APPENDIX J

Phase I Environmental Site Assessment

TŌR Environmental, Inc.

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Phase I Environmental Site Assessment

Laguna Hills Mall
24099, 24100, 24155, 24196, 24200 and 24300 Laguna Hills Mall; 24001 Avenida De La Carlota; 23541 Calle De La Louisa; and 24032 El Toro Road
Laguna Hills, California 92653

Prepared for

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10250 Constellation Boulevard, 19th Floor
Los Angeles, California 90067

TOR Project No. GW077

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25 January 2013
Prepared for

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Executive Summary

TOR Environmental, Inc. (TOR) was retained by Glaser Weil Fink Jacobs Howard Avchen & Shapiro LLP (Glaser Weil) on behalf of Merlone Geier Partners, L.P. (MGP) to prepare a Phase I Environmental Site Assessment (Phase I ESA) for the retail shopping center located at 24099, 24100, 24155, 24196, 24200 and 24300 Laguna Hills Mall; 24001 Avenida De La Carlota; 23541 Calle De La Louisa; and 24032 El Toro Road, Laguna Hills, California (Subject Property). The Subject Property is also identified by Assessor Parcel Numbers (APNs) 621-051-25, -29, -33, -34, -35 and 621-141-48, -49, -50, -51, -53, -54, -54, -55, -57, -58, -59, and -81.

The Phase I ESA was conducted on behalf of Glaser Weil and MGP as part of a property transfer to MGP, and they will be referred to as the User throughout this report. This Phase I ESA will provide the User with a baseline understanding of environmental conditions present at the Subject Property using the guidelines set forth in the American Society of Testing and Materials (ASTM) E1527-05 Standard.

The purpose of this Phase I ESA is to identify recognized environmental conditions ("*RECs*"), as defined by ASTM E1527-05 that may have affected the Subject Property. Findings that are not *RECs*, but do have some potential to have affected the Subject Property are identified as *Notable Findings* for the purpose of this report.

As defined by ASTM, a *REC* is "the presence or likely presence of any hazardous substance or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum products into the structure, on the property, or into the ground, groundwater, or surface water of the property". The term *historical recognized environmental condition* means an environmental condition which in the past would have been considered a *recognized environmental condition*, but which may or may not be considered as a *recognized environmental condition* currently.

Conclusions

The Subject Property consists of 16 contiguous tax assessor parcels constituting the Laguna Hills Mall situated southeast of El Toro Road, southwest of Avenida De La Carlota, northwest of Calle De Los Caballeros and northeast of Ronda De Rossmoor/Calle De La Louisa. The eight buildings currently present on the Subject Property are located on approximately 43.2 acres of land. The buildings

provide retail shopping, restaurant and other services for the surrounding residential community.

Recognized Environmental Conditions (RECs)

This assessment has revealed no evidence of *Recognized Environmental Conditions (RECs)* (as that term is defined in ASTM Standard Practice E1527-05) in connection with the Property, with the exception of the following:

- **Onsite Auto Service Facilities:** Three auto service facilities have historically operated on the Subject Property. These three facilities are currently the Sears Auto Center, Firestone Complete Auto Care Center, and Just Tires. These three facilities are identified as historical oil or used oil UST operators. In-ground clarifiers or oil/water separators are present associated with all three of these facilities. These facilities currently (Sears and Just Tires) or historically (Firestone) operated in-ground hydraulic lifts. Current and historical operations at the three onsite auto repair facilities represents a *REC* due to the potential for subsurface impact from hydraulic lifts, wastewater treatment devices (oil/water separator or clarifiers), and use and storage of oil and other auto maintenance chemicals.

- **JC Penney Diesel Fuel UST:** Review of the Orphan List in the EDR report indicates the historical presence of a 1,000-gallon diesel fuel UST associated with the JC Penney store. Due to the potential for residual impact from stored petroleum products, the presence of historical UST at the JC Penney facility represents a *REC*.

- **Adjacent Upgradient LUST Sites:** Six LUST sites were identified adjacent and upgradient to the Subject Property. Review of reports available on GeoTracker and EnviroStor (Appendix I) indicate that TPH as gasoline (TPHg), BTEX, and Fuel Oxygenates have impacted the groundwater, including groundwater monitoring wells on the Subject Property. Since recent groundwater sampling indicates groundwater beneath the Subject Property has been impacted, the adjacent upgradient LUST sites represent a *REC*.

Historical Recognized Environmental Conditions (*HRECs*)

An *HREC* is an environmental condition which in the past would have been considered a *recognized environmental condition*, but which may or may not be considered a *recognized environmental condition* currently. One *HREC* was identified during this assessment.

- The Laguna Hills Cleaners (23521 Calle de la Louisa) represents a *HREC* for the Subject Property. The dry cleaning business reportedly ceased

operating in 1994 and the building was demolished as a part of a redevelopment of the parcel in 2003. The earth work completed in preparation for the new structure (Nordstrom Rack/Total Woman Gym & Spa) involved extensive excavation, redistribution and re-grading of the soil beneath the former cleaner. Dry cleaning impacts to soil were not documented in the historic information revealed during the completion of this Phase I ESA. The potential for the historic Laguna Hills Cleaners to have impacted soil and groundwater beneath the Subject Property appears low. Although the business may have been considered a *REC* in 1994, subsequent redevelopment of the site in 2003 reclassifies it as a *HREC* that is not considered a REC currently.

Notable Findings

Findings that are not *RECs* or *HRECs*, but do have some potential to have affected the Subject Property are identified as *Notable Findings* for the purpose of this report.

- **Easement with Asbestos-concrete Pipe:** An easement from 1973 was identified on the Subject Property that includes a 16-inch asbestos cement water main (pipe). The use of asbestos cement for water mains was a common practice in 1973, and does not indicate an exposure concern. However, should redevelopment activities impact the easement area and include abandonment of the asbestos-cement pipe, it should be managed in accordance with state and federal regulations. The presence of an asbestos-cement pipe is considered a *Notable Condition*.

- **Asbestos-containing Materials (ACMs) Identified Onsite:** Historical asbestos surveys have identified the presence of asbestos in various building materials within the Laguna Hills Mall structures. The evaluation of the current presence or condition of asbestos-containing materials was outside of the scope of TOR's Phase I ESA; however, the historical presence of asbestos-containing building materials onsite is considered a *Notable Condition*.

- **Historical Legal Action of Shopping Center Associates against Upgradient LUST Concerns:** From 1990 through 1995, Shopping Center Associates (SCA) entered into legal action against parties that they perceived were the source of contaminated soil and groundwater beneath the Subject Property. Review of the provided documents indicates that these parties appeared to be associated with parties that owned or operated land occupied by the various fueling facilities located adjacent and upgradient of the Subject Property. In 1995, various payments to SCA were made and the legal action was settled. This historical legal action is considered a *Notable Condition*, especially as it pertains to indemnifications and guarantees to remediate the Laguna Hills

Mall property. TOR recommends that the User review the implications of these legal documents and proceedings.

Recommendations

Further environmental assessment for the Subject Property would be required to evaluate the identified *REC*s.

Section 1: Introduction

TOR Environmental, Inc. (TOR) was retained by Glaser Weil Fink Jacobs Howard Avchen & Shapiro LLP (Glaser Weil) on behalf of Merlone Geier Partners, L.P. (MGP) to prepare a Phase I Environmental Site Assessment (Phase I ESA) for the property located at 24099, 24100, 24155, 24196, 24200 and 24300 Laguna Hills Mall; 24001 Avenida De La Carlota; 23541 Calle De La Louisa; and 24032 El Toro Road, Laguna Hills, California (Subject Property) (*Illustration 1*). The Subject Property is also identified by 16 Assessor Parcel Numbers (APNs): 621-051-25, -29, -33, -34, -35 and 621-141-48, -49, -50, -51, -53, -54, -54, -55, -57, -58, -59, and -81. The Subject Property has been improved with eight commercial buildings designed for retail store use, as shown in *Illustration 2*.

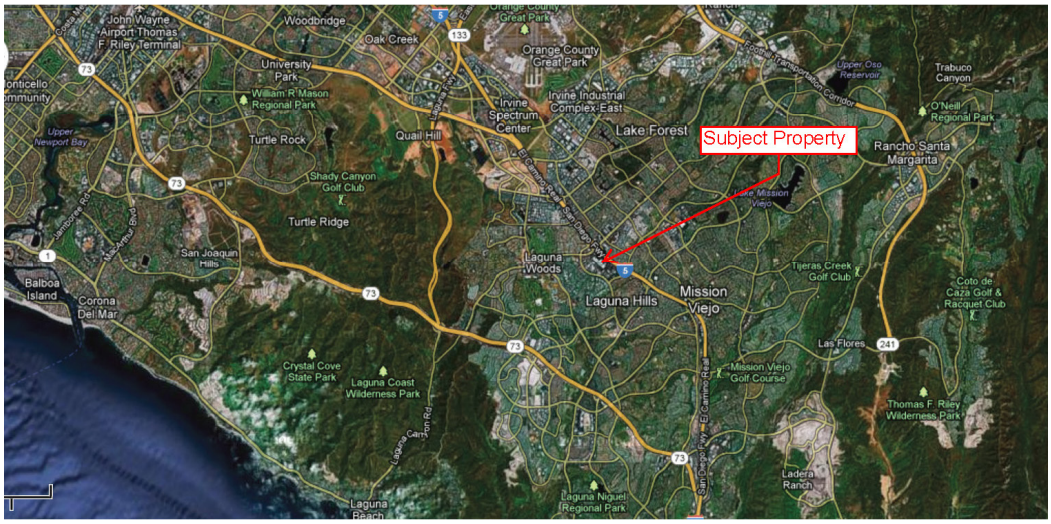

Illustration 1: Subject Property Location Map, Laguna Hills, CA

This Phase I ESA was conducted on behalf of Glaser Weil and MGP as part of a property transfer to MGP, and all will be referred to as the User throughout this report. This Phase I ESA will provide the User with a baseline understanding of environmental conditions present at the Subject Property using the guidelines set forth in the American Society of Testing and Materials (ASTM) E1527-05 standard practice for environmental site assessments.

1.1 Purpose

The purpose of this Phase I ESA is to identify *recognized environmental conditions ("RECs"*), as defined by ASTM E1527-05 that may have affected the Subject Property. Findings that are not *RECs*, but do have some potential to have affected the Subject Property are identified as *Notable Findings* for the purpose of this report.

As defined by the ASTM, a *REC* is "the presence or likely presence of any hazardous substance or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum products into the structure, on the property, or into the ground, groundwater, or surface water of the property". The term *historical recognized environmental condition* means an environmental condition which in the past would have been considered a *recognized environmental condition*, but which may or may not be considered as a *recognized environmental condition* currently.

The work was conducted pursuant to authorization to proceed, with the project dated 18 January 2013 from Mr. Daniel G. Jordan, Esq. of Glaser Weil.

1.2 Detailed Scope of Services

1.2.1 Phase I ESA

The Phase I ESA was conducted in general accordance with the United States Environmental Protection Agency (USEPA) All-Appropriate Inquiry (AAI) rule (40 CFR, Part 312), as described in the ASTM E1527-05 for the performance of a Phase I ESA. At a minimum, the following activities were performed to accomplish the Phase I ESA objectives:

- **Subject Property Reconnaissance** – A visual and physical observation of the Subject Property was conducted in readily accessible areas to identify *RECs* or *Notable Findings* associated with environmental conditions. Additionally, visual observations of adjoining properties were made from the vantage point of the Subject Property as well as from public right-of-ways to assess the potential impact of these properties on the Subject Property.

- **Subject Property Representative Interview** – An interview was conducted with individuals knowledgeable and familiar with the Subject Property if such individuals were available during the project.

- **Environmental Lien Search** – An environmental lien is a charge, security, or encumbrance on a property's title to secure payment of cost or debt arising from response actions, cleanup, or other remediation of hazardous substances or petroleum products. An environmental lien search was conducted and no environmental liens or Activity and Usage Limitations (AULs) were reported by the User.

- **Online Agency Records Review** – Available environmental reports, agency records (state and local agencies), and appropriate permits were reviewed to identify any reported environmental concern or incident associated with the Subject Property.

- **Historical Research** – At a minimum, readily available sources of historical information related to the Subject Property and adjoining properties were researched to identify historical land use practices that have the potential to adversely impact environmental conditions at the Subject Property. Sources of historical information to help identify *RECs* or *Notable Findings* in connection with the Subject Property include historical aerial photographs, historical topographic maps, Sanborn Fire Insurance Maps, and City Directories.

- **Government Database Review** – Published governmental federal and state databases were reviewed to identify properties within ASTM-specified radii of the Subject Property with a reported environmental concern or incident. TOR subcontracted the compilation of government database search to Environmental Data Resources, Inc. (EDR).

- **Report Preparation** – This written summary of the findings and recommendations of the Phase I ESA was prepared.

1.3 Environmental Professional Qualifications

This Phase I ESA was prepared under the supervision of Jeffrey D. Borum (PG 4149, EG 1330) of TOR. Mr. Borum has a Bachelor of Science degree in Earth Science, a Master of Science degree in Geology, and is a California Professional Geologist with over 30 years of professional experience. Mr. Borum meets the qualifications for an environmental professional as stated in the ASTM E1527-05 standard.

1.4 Limitations and Exceptions

This Phase I ESA is based on review of readily available environmental records, results of limited interviews, and visual observations of recent Subject Property conditions. The collection or analysis of environmental samples; surveys regarding the presence of asbestos, radon, heavy metal-based paints; or compliance of individual property operations with environmental regulations were not executed during this Phase I ESA. This assessment was not intended to be a comprehensive inspection or assessment of all conditions that might exist at the Subject Property. Findings were developed based on our professional opinion and do not represent a warranty, guarantee, certification, or positive assertion as to the presence, absence, or extent of potential contamination. TOR's activities were conducted in accordance with practices and procedures generally accepted in the consulting field. TOR's services were limited to those specified in our proposal, which was accepted and authorized by Glaser Weil and MGP.

1.5 Special Terms and Conditions

This report represents TOR's professional opinion and judgment, which are dependent upon information obtained during performance of consulting services. Environmental conditions may exist at the Subject Property that cannot be identified by visual observations or were obscured from view by vegetation, poor lighting, or other materials during TOR's visit to the Subject Property. TOR's conclusions were based in part on information supplied by others, the accuracy or sufficiency of which has not been independently reviewed by TOR. No investigation can be thorough enough to exclude the presence of hazardous materials at a given Subject Property; therefore, if no hazardous materials are identified during an assessment, such a finding should not be construed as a guarantee of the absence of such materials on the Subject Property, but rather the results of services performed within project scope, cost, schedule, and other limitations.

Any opinions presented apply to the Subject Property conditions at the time of performance of services and do not address the potential for future releases. Changes in applicable environmental standards, practices, or regulations may occur following performance of services, which could impact the opinions presented.

1.6 Reliance

This report is intended for the sole use of Glaser Weil, MGP and affiliates of MGP. If other parties wish to rely on this report, please have them contact TOR so that a mutual understanding and agreement of the terms and conditions for our services can be established prior to their use of this information.

Section 2: Subject Property Description

The following section provides information about the Subject Property, such as its ownership, general description, environmental setting, current property usage, and also describes the general uses of the adjoining properties and surrounding area.

2.1 Property Owner Information

Title to the Subject Property is vested in Shopping Center Associates, a New York General Partnership. The Subject Property includes 16 Assessor Parcel Numbers (APNs): 621-051-25, -29, -33, -34, -35 and 621-141-48, -49, -50, -51, -53, -54, -54, -55, -57, -58, -59, and -81.

2.2 Subject Property Description

The Subject Property consists of 16 contiguous tax assessor parcels constituting the Laguna Hills Mall situated southeast of El Toro Road, southwest of Avenida De La Carlota, northwest of Calle De Los Caballeros and northeast of Ronda De Rossmoor/Calle De La Louisa (*Illustrations 1 and 2*). The eight buildings currently present on the Subject Property are located on approximately 43.2 acres of land. The buildings provide retail shopping, restaurant and other services for the surrounding residential community. The businesses currently operating on the Subject Property along with their respective locations are shown in *Illustration 2*.

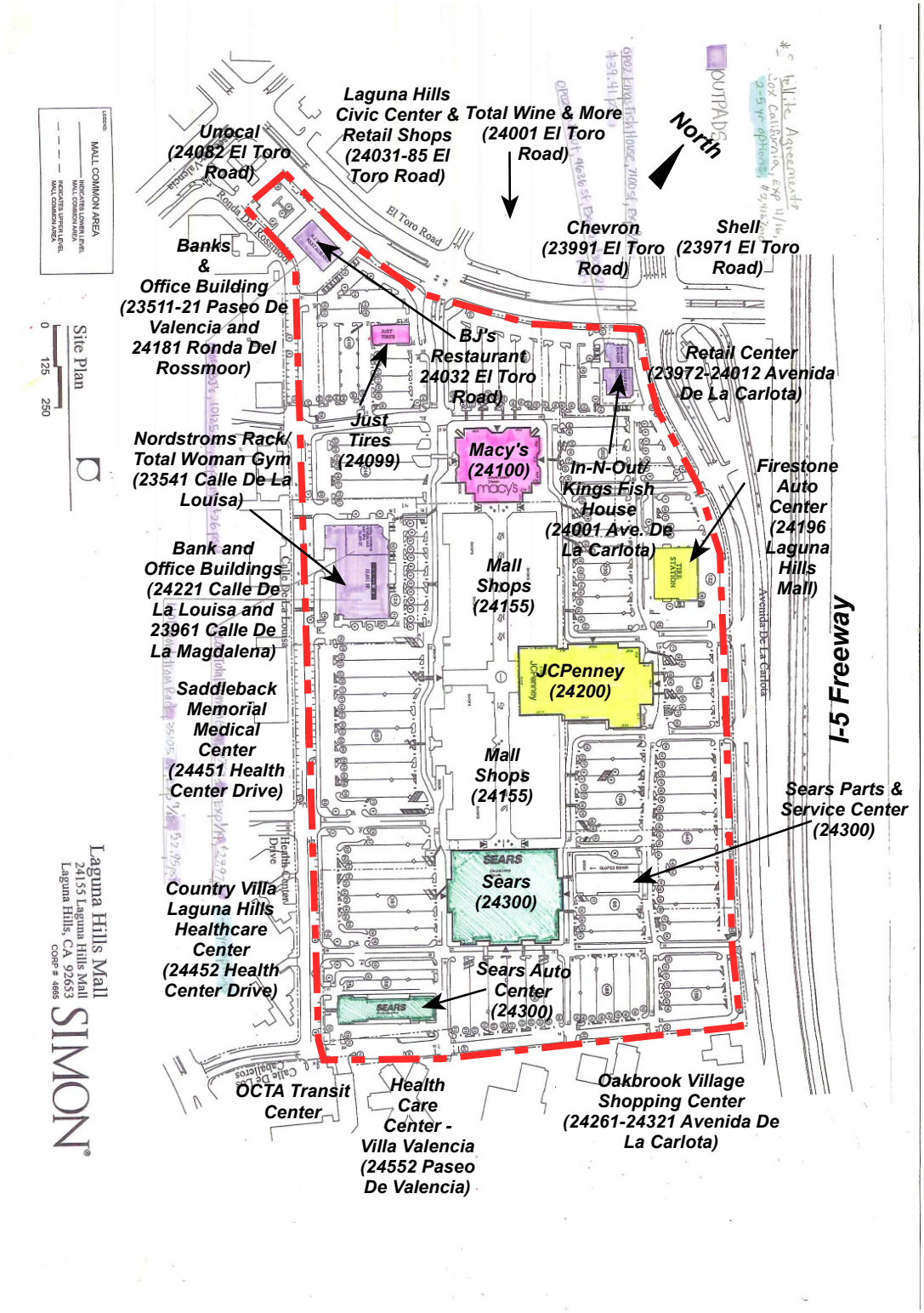

Illustration 2: Subject Property and Adjacent Site Map

A summary of the main businesses and addresses currently operating on the Subject Property is shown in the table below.

Business Name	Ste./Address	Business Name	Ste./Address
Just Tires	24099 Laguna Hills Mall	**Sears Auto Center**	24300 Laguna Hills Mall
Macy's	24100 Laguna Hills Mall	**Kings Fish House/ In-N-Out**	24001 Avenida De La Carlota
Mall Shops	24155 Laguna Hills Mall	**Nordstrom's Rack**	23541 Calle De La Louisa Suite A
Firestone Complete Auto Care Store	24196 Laguna Hills Mall	**Total Woman Spa**	23541 Calle De La Louisa Suite B
JC Penney	24200 Laguna Hills Mall	**BJ's Brewhouse**	24032 El Toro Road
Sears	24300 Laguna Hills Mall		

The Subject Property was agricultural land until it was developed with the current retail buildings between 1969 and 1972 as part of shopping center businesses that serve the regional residential community. The current businesses are not of the type that historically have stored, distributed or disposed of small or large quantities of hazardous wastes unless such material was included in a retail product the store was selling and had to be disposed because it was damaged or expired, with the exception of the following:

- **Just Tires:** Just Tires (formerly Broadway Tire Center) provides tire repair, oil and fluid replacement and light automotive repair services. The facility operates a number of in-ground hydraulic lifts, operates aboveground storage tanks (ASTs) for new and used oil and new and used antifreeze, and maintains an in-ground clarifier for pretreatment of shop-derived wastewater.

- **Firestone Complete Auto Care Store:** Firestone Complete Auto Care Store provides full service auto repair services. The facility operates a number of aboveground hydraulic lifts, however a number of abandoned in-ground hydraulic lifts are visible in the shop floor. The facility also operates ASTs for new and used oil and new and used antifreeze, and maintains an in-ground oil/water separator for pretreatment of shop-derived wastewater. A separate clarifier is located west of the Firestone building, and appears to provide pretreatment for wastewater generated at the two refuse compactors located west of the Firestone building. An area of patched concrete adjacent to the south

side of the Firestone building appears to be the former location of a used oil underground storage tank (UST).

- **Sears Auto Center:** Sears Auto Center provides full service auto repair services. The facility operates a number of in-ground hydraulic lifts, ASTs for new and used oil and new and used antifreeze, and maintains an in-ground clarifier for pretreatment of shop-derived wastewater.

Current and historical operations at the three onsite auto repair facilities represents a Recognized Environmental Condition (*REC*) due to the potential for subsurface impact from hydraulic lifts, wastewater treatment devices (oil/water separator or clarifiers), and use and storage of oil and other auto maintenance chemicals.

2.3 Adjoining Properties and Surrounding Vicinity

The relationship between the Subject Property and adjacent streets and businesses is shown in *Illustration 2*.

A generalized description of the surrounding area is as follows:

North: The north side of the Subject Property is bound by El Toro Road and Avenida De La Carlota; followed by Laguna Hills Civic Center and Retail Shops (24031 – 24085 El Toro Road), Total Wine & More (24001 El Toro Road), Chevron (23991 El Toro Road), Shell (23971 El Toro Road), a retail center (23972 – 24012 Avenida De La Carlota) and the I-5 Freeway. The current adjacent civic center and retail occupants are not listed on the environmental databases and exhibit a low potential to cause soil or groundwater contamination at the Subject Property. The adjacent Chevron and Shell gasoline station are listed in several databases, and are further discussed in Section 3.2.

East: The east side of the Subject Property is bound by Avenida De La Carlota, followed by the I-5 Freeway. The current adjacent freeway corridor use exhibits a low potential to cause soil or groundwater contamination at the Subject Property.

South: The south side of the Subject Property is bound by Calle De Los Caballeros and Calle De La Louisa; followed by an Orange County Transit Authority (OCTA) Bus Transit Center, Health Care Center – Villa Valencia (24552 Paseo De Valencia), Oakbrook Village Shopping Center (24261 – 24321 Avenida De La Carlota), Country Villa Laguna Hills Healthcare Center (24452 Health Center Drive), Saddleback Memorial Medical Center (24451 Health Center Drive) and Bank and Office Buildings (24221 Calle De La Louisa and 23961 Calle De La Magdalena). The adjacent medical, office and retail parcels exhibit a low potential to cause soil or groundwater contamination at the Subject Property.

West: The west side of the Subject Property is bound by Unocal at 24082 El Toro Road. The adjacent Unocal gasoline station is listed in several databases, and is further discussed in Section 3.2.

2.4 Environmental Setting

This section describes the geologic and hydrogeologic features in the region surrounding and beneath the Subject Property.

2.4.1 Regional Geology

According to the EDR GeoCheck (Appendix A), the Subject Property is located at 33.6109 north latitude and 117.707 west longitude and is at a topographic elevation of 355 feet above mean sea level (msl). The regional and local topographic gradient is to the south-southwest.

The Subject Property is located in the Peninsular Ranges physiographic province of California, which consists of Quaternary alluvial materials (California Geological Survey, Geologic Map of California, 1979). The site is underlain by Sorrento loam, which is a well-drained, loamy textured soil with a depth to approximately 72 inches. (USDA NRCS, EDR Report)

2.4.2 Hydrogeologic Information

The subject property is located within the Aliso Creek Watershed of Orange County. This drainage area covers approximately 36 square miles and reaches the Pacific Ocean in southern Laguna Beach.

Groundwater sampling associated with the adjacent Shell gasoline station to the north, conducted by Atlas Environmental Engineering, Inc. during the fourth quarter of 2012 at monitoring wells both adjacent to the north of the Subject Property and within the north portion of the Subject Property, indicate a groundwater depth beneath and nearby the Subject Property ranging from 9 to 18 feet below ground surface (bgs), with a flow generally towards the south-southwest. (Atlas, 2012)

2.5 Public Water Wells

According to the "EDR Geocheck" (Appendix A), Federal United States Geological Survey (USGS) well information lists no groundwater wells within a mile of the Subject Property. The Federal FRDS Public Water Supply System Information lists one public water supply well from ¼ to ½ mile west-northwest (crossgradient) of the Subject Property.

No State of California wells are indicated on the database listing.

2.6 Oil and Gas Wells

Based on TOR's review of maps provided by the State of California Department of Conservation Division of Oil, Gas, & Geothermal Resources (DOGGR) and the EDR Geocheck (Appendix A), no active or plugged oil and gas or geothermal wells are located within a one-mile radius of the Subject Property.

Section 3: Government Database Review

A review of federal, state, and tribal environmental databases related to the Subject Property and surrounding area in accordance with the ASTM E 1527-05 search radius was conducted to identify potential *RECs*. Properties listed have, or might have, the potential for existing or future site contamination, environmental liabilities, or the potential for contamination migration to surrounding areas. Information from these various databases was compiled by EDR and presented in the Radius Map Report (Appendix A).

Government database listings reviewed during this Phase I ESA included, but were not limited to:

- USEPA National Priorities List (NPL) within a 1-mile radius;
- USEPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) sites within a ½-mile radius;
- USEPA Comprehensive Environmental Response-No Further Remedial Action Planned (CERC-NFRAP) sites within a ¼-mile radius;
- USEPA Corrective Action Report (CORRACTS) sites within a 1-mile radius;
- USEPA Resource Conservation and Recovery Information System-Treatment, Storage, and Disposal (RCRIS-TSD) sites within a ½-mile radius;
- USEPA "RCRIS-Large Quantity Generator" (RCRIS-LQG) within a ¼-mile radius;
- USEPA "RCRIS-Small Quantity Generator" (RCRIS-SQG) within a ¼ mile radius;
- USEPA Facility Index System/Facility Registry System (FINDS) for the Subject Property only;
- USEPA Emergency Response Notification System (ERNS) sites within the target property;
- California EnviroStor Database – ENVIROSTOR within a 1-mile radius;
- California Calsites Database – HIST CAL-SITES within a 1-mile radius;
- California Bond Expenditure Plan (BEP) within a 1-mile radius;
- California Waste Management Unit Database System (WMUDS/SWAT) within a ½-mile radius;
- California Cortese within a ½-mile radius;
- California Leaking Underground Storage Tank (LUST) within a ½-mile radius;

- California Facility Inventory Database (CA FID) within a ¼-mile radius;
- California Spills, Leaks, Investigation and Cleanups (SLIC) sites within a ½-mile radius;
- California Underground Storage Tanks (UST) within a ¼-mile radius;
- California Hazardous Substance Storage Container (HIST UST) within a ¼-mile radius;
- California Statewide Environmental Evaluation and Planning System (SWEEPS UST) within a ¼-mile radius;
- California Hazardous Material Incident Report System (CHMIRS) for the Subject Property only;
- California 65 Notification Records within a 1-mile radius;
- California Voluntary Cleanup Program Properties (VCP) within a ½-mile radius;
- California Cleaners within a ¼-mile radius; and
- California Facility and Manifest Data (HAZNET) for the Subject Property only.

The full list of databases compiled, along with definitions for each, is included in Appendix A. The lists record activities associated with hazardous substances, but are not of themselves indicative of contamination or the threat of contamination. Topography and stream gradient at the Subject Property are to the south-southwest. The depth to groundwater beneath the Subject Property is estimated to range from 9 to 18 feet bgs, based on monitoring wells on and adjacent to the north portion of the Subject Property associated with the adjacent Shell gasoline station at the west corner of El Toro Road and Avenida De La Carlota. Local groundwater flow direction has been measured to be towards the south-southwest based on measurements at the referenced monitoring wells. Sites located hydraulically cross- or downgradient or in areas separated from the Subject Property by a topographic ridge or river channel (drainage divide) or located downgradient in relation to the Subject Property, are evaluated but not necessarily discussed in the report; however, are included in Appendix A.

3.1 Subject Property Summary

The Subject Property was listed on the following environmental databases searched by EDR:

HAZNET	**ERNS**	**RCRA-LQG**
RCRA-SQG	**FINDS**	**UST**
CA FID UST	**HIST UST**	**SWEEPS UST**
AST	**EDR US HIST AUTO STATIONS**	

HAZNET: The HAZNET database includes facilities that have generated hazardous waste under the universal hazardous waste manifest system. The Subject Property is listed on the HAZNET database for the following:

- JC Penney Store #1223/JC Penney Inc. (24200 Laguna Hills Mall). Hazardous waste generated by JC Penney includes waste organics and oil-related wastes, typical of maintenance-related wastes generated at a large department store. The noted waste generation does not represent a *REC*.

- Kits Camera #29 (24155 Laguna Hills Mall). Hazardous waste generated by Kits Camera includes waste oil and mixed oil, oxygenated solvents, and photochemical/photo processing wastes, typical of a photo processing facility. The noted waste generation does not represent a *REC*.

- Sears #6788/1548 (24300 Laguna Hills Mall). Hazardous waste generated by Sears includes hydrocarbon solvents, other organic solids, oil/water separator sludge, aqueous waste, and other wastes associated with operating an auto service facility. The operation of an auto service facility represents a REC, due to potential residual impact from use and storage of chemicals and wastes, including petroleum, heavy metals and chlorinated solvents.

- Broadway Tire Center #9377 (24099 Laguna Hills Mall). Hazardous waste generated by Broadway Tire Center includes waste oil, oil/water separation sludge, and aqueous wastes typically associated with operating an auto service facility. The operation of an auto service facility represents a *REC*, due to potential residual impact from use and storage of chemicals and wastes.

ERNS: The ERNS database includes collects data on facilities that have had a release of hazardous chemicals that caused an emergency services response. The Subject Property is listed

on the ERNS database for a release of 16.68 pounds of quick melt at the mall in 1991. The fire department responded to the release and cleaned up the spill. The database indicates that no soil contamination was identified. Based on the size of the release and the status, it does not represent a *REC*.

RCRA-SQG, RCRA-LQG and FINDS: The RCRA-SQG database identifies small quantity generators of hazardous waste. The RCRA-LQG database identifies large quantity generators of hazardous waste. The FINDS database identifies those sites that have been listed in the RCRIS system. The Subject Property is listed due to the presence of the following:

- Time O Max 1-Hour Photo (24199 Laguna Hills Mall). Small quantity hazardous waste generation by Time O Max 1-Hour Photo is consistent with operation of a small photo processing facility. No violations are noted in the database. Based on the status, the site does not represent a *REC*.

- Sears #6788/1548 (24300 Laguna Hills Mall). Large quantity hazardous waste generation by Sears is consistent with operation of an auto service facility. Wastes include: batteries, flammable wastes, low pH wastes, lead-containing wastes, benzene-containing wastes, MEK-containing wastes, TCE-containing wastes, halogenated wastes, pesticide-containing wastes (toxaphene and chlordane), and acetone-containing wastes. A notice of violation is noted in the database from 1992 (corrected by 1994). The operation of an auto service facility represents a *REC*, due to potential residual impact from use and storage of chemicals and wastes, including petroleum, heavy metals and chlorinated solvents.

UST, CA FID UST, HIST UST and **SWEEPS UST:** The four UST databases include current and historical facilities that operated registered underground storage tanks (USTs). The Subject Property is listed for the following facilities:

- The Tire Station/Firestone Store #27FF (24196 Laguna Hills Mall). This facility is listed on the UST, CA FID UST, HIST UST and SWEEPS UST databases for the following USTs:

    - 500-gallon waste oil UST installed in 1975 (HIST UST database)

    - 550-gallon petroleum UST, which was present onsite from 1988 through 1992 (SWEEPS UST database).

  The 500-gallon waste oil UST and the 550-gallon petroleum UST referenced by the HIST UST and SWEEPS UST databases may be the same UST or different USTs. No operational USTs were observed or reported during TOR's 2013 site walk of the Firestone facility.

- Sears #6788/1548 (24300 Laguna Hills Mall). This facility is listed on the HIST UST database for the following UST:

    - Waste oil UST (size not reported in the database) installed in 1973.

- Broadway Tire Center #9377 (24099 Laguna Hills Mall). This facility is listed on the HIST UST database for the following UST:

    - 100-gallon waste oil UST, no reported date of installation

- JC Penney Co. Inc. (200 Laguna Hills Mall – Orphan Site List). This facility is listed on the UST database for the following UST:

    - 1,000-gallon diesel fuel UST for motor vehicle fuel, no reported date of installation, but indicated on the database in 1988 – 1992.

Due to the potential for residual impact from stored petroleum products, the presence of historical USTs at the three auto service facilities and the JC Penney facility represents a *REC*.

AST: The AST database contains registered Aboveground Storage Tanks. The data comes from the State Water Resources Control Board's Hazardous Substance Storage Container Database. The Subject Property is listed due to the presence of Sears Auto Center at 24300 Laguna Hills. The database indicates that a total of 1,320 gallons of oils are stored in aboveground storage tanks at the facility, which is consistent with an oil change facility. There is no record of a release that has impacted soil or groundwater. The presence of oil-containing ASTs at the Sears Auto Center does not represent a *REC* to the Subject Property at this time.

EDR US HISTORICAL AUTO STATIONS: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. The following facilities were identified on the Subject Property:

- Firestone Tire & Service Center/Firestone Complete Car Care (24196 Laguna Hills Mall). The auto service facility is listed in the database as operating onsite in 2003 through 2012. The operation of an auto service facility represents a REC, due to potential residual impact from use and storage of chemicals and wastes, including petroleum, heavy metals and chlorinated solvents.

- Sears Auto Center (24300 Laguna Hills Mall). The auto center is listed in the database as operating onsite in 2010 and 2011. The operation of an auto service facility represents a REC, due to potential residual impact from use and storage of chemicals and wastes, including petroleum, heavy metals and chlorinated solvents.

3.2 Surrounding Property Summary

The purpose of this portion of the assessment is to screen those sites in the vicinity of the Subject Property where hazardous substances have contaminated groundwater and evaluate their potential to impact the Subject Property based on the direction of groundwater flow. As such, government environmental databases are reviewed for information suggesting a potential for

impact to the Subject Property. Where appropriate and available, background reports are reviewed and considered in the evaluation.

Definitions for each of the database lists as well as further details, explanations and summaries are included in Section 3.1 and in Appendix A. Facility information including distance from the Subject Property and location with respect to local topographic gradient are also provided.

As discussed in Section 2.4.2, regional topographic gradient is to the south-southwest. The location of businesses hydraulically upgradient of the Subject Property and listed on the environmental databases within ¼ mile are shown on *Illustration 3*.

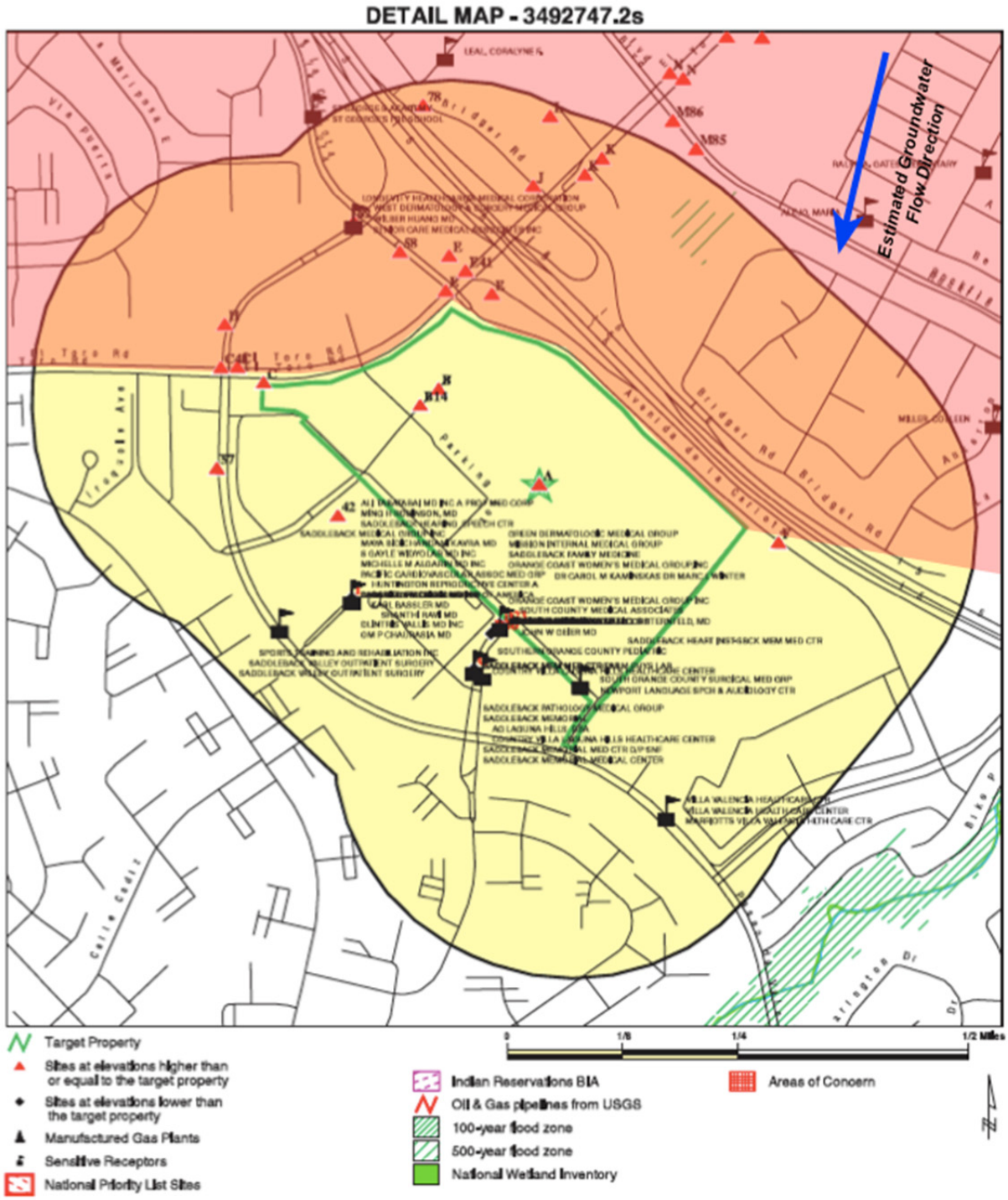

Illustration 4: Environmental database listed businesses within a ¼-mile radius of the Subject Property (Modified from EDR Radius Map™ with GeoCheck®, 2013, Appendix A)

The following paragraphs discuss adjacent or upgradient sites identified in the EDR Report (Appendix A).

Site C16 – C22: Unocal/Unocal #5408/Union Oil Service Station #5408/Laguna Hills Circle K at 24082 El Toro Road is located at the southeast corner of El Toro Road and Paseo De Valencia, adjacent to the east (crossgradient) of the Subject Property. At the time of TOR's assessment, this gasoline station was located adjacent to the BJ's Brewhouse and Restaurant. The current Unocal Gasoline Station/Circle K Store is listed on the HIST UST, SWEEPS UST, LUST, HAZNET, UST, HIST CORTESE and CA FID UST databases. The databases indicate that the facility is a closed LUST case, with a fuel release that has impacted soil and groundwater. Review of reports available on GeoTracker and EnviroStor (Appendix I), indicate that TPH as gasoline (TPHg), BTEX, and Fuel Oxygenates have impacted the groundwater, including groundwater monitoring wells adjacent to the west Subject Property line (TRC, 2006 and 2007). Although the adjacent LUST case has been closed, sampling in 2006 and 2007 suggests that the groundwater beneath the Subject Property has been impacted; therefore the adjacent Unocal Gasoline Station represents a *REC*.

Site E24 – E29: Trans-Tech Resources, Inc./Wright Oil #9/Texaco at 23991/G&M Oil Co. Inc. #40/GW Cleanup-Laguna Hills, El Toro Road at 23991 El Toro Road is located at the northwest corner of El Toro Road and Avenida De La Carlota, adjacent to the north (upgradient) of the Subject Property. At the time of TOR's assessment, this gasoline station was located adjacent to the In-N-Out Burger/King's Fish House. The current Chevron Gasoline Station is listed on the CERC-NFRAP, HIST UST, UST, SWEEPS UST, HAZNET, HIST CORTESE, LUST, ENF and CA FID UST databases. The databases indicate that the facility is an open LUST case, with a fuel release that has impacted soil and groundwater. Review of reports available on GeoTracker and EnviroStor (Appendix I), indicate that TPH as gasoline (TPHg), BTEX, and Fuel Oxygenates have impacted the groundwater, including groundwater monitoring wells on the Subject Property (Atlas, 2012). Since groundwater sampling in the last quarter of 2012 indicates groundwater beneath the Subject Property has been impacted the adjacent Chevron Gasoline Station represents a *REC*.

Site C31 – C34: Laguna Hills Chevron/Walgreens #4207/99384 at 24081 El Toro Road is located at the northeast corner of El Toro Road and Paseo De Valencia, adjacent to the northwest (upgradient) of the Subject Property. The current Walgreens pharmacy is listed on the HIST CORTESE, LUST, CA FID UST, ORANGE CO INDUSTRIAL SITE, LUST, HAZNET, UST, SWEEPS UST and HIST UST databases. Review of reports available on GeoTracker and EnviroStor (Appendix I), indicate that TPH as gasoline (TPHg), BTEX, and Fuel Oxygenates have impacted the groundwater, including offsite downgradient wells. Review of the most recent report (OCHCA, 2005) indicates that the site was granted low risk closure in 2005, with known remaining impact to the onsite and downgradient offsite groundwater. Although the adjacent LUST case has been closed, historical data suggests that the groundwater beneath the Subject Property has been impacted; therefore the adjacent former Chevron gasoline station represents a *REC*.

Site E35 – E37: Former ARCO #3079/Carlota Plaza - 24012 at 24012 Avenida De La Carlota is located at the southeast corner of El Toro Road and Avenida De La Carlota, adjacent to the north

(upgradient) of the Subject Property. The current Carlota Plaza retail center is listed on the HIST CORTESE and LUST databases. No reports are available on GeoTracker and EnviroStor for this facility. Available database information indicates that gasoline has impacted the groundwater, but the site received closure from the Santa Ana Regional Water Quality Control Board (SARWQCB) on January 16, 2004. Review of well locations on GeoTracker indicates that groundwater wells were located in the street immediately upgradient of the Subject Property. Although the adjacent LUST case has been closed, historical data suggests that the groundwater immediately upgradient of the Subject Property has been impacted; therefore the adjacent former ARCO gasoline station represents a *REC*.

Site E41, E44 – E47: Shell Service Station/Shell (4056-0207)/Ashdon Development Laguna Hills at 23971 El Toro Road is located at the northwest corner of El Toro Road and Avenida De La Carlota, adjacent to the north (upgradient) of the Subject Property. At the time of TOR's assessment, this gasoline station was located adjacent to the In-N-Out Burger/King's Fish House. The current Chevron Gasoline Station is listed on the EDR US HISTORICA AUTO STATIONS, SWEEPS UST, LUST, HAZNET, RCFRA-SQG, HIST CORTESE, CA FID UST, HIST UST and UST databases. The databases indicate that the facility is an open LUST case, with a fuel release that has impacted soil and groundwater. Review of reports available on GeoTracker and EnviroStor (Appendix I), indicate that TPH as gasoline (TPHg), BTEX, and Fuel Oxygenates have impacted the groundwater, including groundwater monitoring wells upgradient of the Subject Property (CRA, 2012). Since groundwater sampling in the last quarter of 2012 indicates groundwater immediately upgradient of the Subject Property has been impacted the adjacent Shell Gasoline Station represents a *REC*.

Site C43: American Savings Bank (former Mobil Station) at 24085 El Toro Road is located at the northeast corner of El Toro Road and Paseo De Valencia, adjacent to the north (upgradient) of the Subject Property. The current American Savings Bank is listed on the HIST CORTESE and LUST databases. Review of reports available on GeoTracker and EnviroStor (Appendix I), indicate that TPH as gasoline (TPHg), BTEX, and Fuel Oxygenates have impacted the groundwater, including offsite downgradient wells. Review of the most recent report (OCHCA, 2004) indicates that the site was granted low risk closure in 2004, with known remaining impact to the onsite and downgradient offsite groundwater. Although the adjacent LUST case has been closed, historical data suggests that the groundwater immediately upgradient of the Subject Property has been impacted; therefore the adjacent former Mobil gasoline station represents a *REC*.

3.2.1 Orphan Site List

Due to incomplete address information, 15 orphan sites in the vicinity were not detailed in the EDR Radius Map Report. The lists reported suggested general site locations and normally associated reasons behind these sites becoming listed. One of these 15 sites is located on the Subject Property, and is discussed above. Review of the site specific supplemental data available associated with the remaining orphan sites did not reveal information indicating the potential impairment of soil or groundwater at the Subject Property (Appendix A).

3.2.2 Summary of Surrounding Sites Database Review

Limited information concerning regulatory status, location and distance from the Subject Property, topographic gradient, geologic conditions and assumed groundwater hydraulic gradient were considered for each business listed on the regulatory databases provided by EDR. The potential for these businesses to have had a release to soil or groundwater that could have impacted the Subject Property is discussed in Section 3.2.

Section 4: Historical Use

4.1 Historical Aerial Photographic Review

Historical aerial photographs of the Subject Property and surrounding area were obtained from EDR. Photographs from 1938, 1947, 1953, 1960, 1968, 1977, 1989, 1994 and 2005 were provided to and reviewed by TOR (Appendix B). A narrative description of historical aerial photography is provided below:

- In the 1938, 1947, 1953 and 1960 aerial photographs, the Subject Property appears to be agricultural fields or undeveloped land. El Toro Road is present as a 2-lane road in roughly its present alignment to the north. A two lane highway centered on the current alignment of the I-5 Freeway is present to the north, except for the 1960 photograph, where the I-5 Freeway is present. No other current adjacent streets are present. Adjacent parcels appear to be agricultural fields in the photos from 1939 through 1960.

- In the 1968 aerial photograph, the Subject Property appears to be an undeveloped parcel, with the exception that the building at 24032 El Toro Road (BJ's Brewhouse and Restaurant in 2013) is present at the northwest portion of the Subject Property, as is an L-shaped retail building at 23521 – 23541 Avenida De La Louisa (a different building, but in the same location as the current Total Woman Spa/Nordstrom's Rack). Paved parking is also visible surrounding these buildings. Additionally, small structures appear to be present along the south boundary of the Subject Property. El Toro Road has been widened to the north, Avenida De La Carlota is present to the north, and Ronda Del Rossmoor and Calle De La Louisa is present to the south/west. Adjacent parcels include undeveloped land, with retail structures to the west/northwest (including gasoline stations at the northeast and southeast corners of the intersection of El Toro Road and Avenida Paseo De Valencia) and what appears to be a rural residential complex to the south.

- The 1977, 1990, 1994 and 2005 aerial photographs show the Subject Property to be developed with the current Laguna Hills Mall buildings and associated surface parking, with the exception that the L-shaped retail building is visible within the footprint of the current Total Woman Spa/Nordstrom's Rack building in 1977, 1990 and 1994, while the current building is visible in the 2005 aerial photograph. Adjacent land appears to be developed substantially as noted in the 2013 site visit.

4.2 Sanborn Fire Insurance Maps

The Sanborn Fire Insurance Maps consist of a uniform series of large-scale detailed maps, dating from 1867 through 1969 depicting the commercial, industrial, and residential sections of cities. A search of the Sanborn Fire Insurance Maps was conducted for the Subject Property and they were not available. Verification of this is included in Appendix C.

4.3 City Directories

City directories have been published for many cities and towns across the United States since the 18th century. For each address within an area, city directories list the name of each resident or, if a business operates from that address, the name, and sometimes, type of business. While the geographic coverage of city directories is comprehensive for most major cities, many rural areas and small towns may not be included. In addition, many towns and cities have discontinued the practice of issuing city directories.

City directory coverage was requested from EDR for the Subject Property and surrounding area. A copy of the report is included in Appendix D.

The results indicate various historical retail and restaurant occupants in the mall from 1972 through 2010. The Laguna Hills Cleaners, formerly located at 23521 Calle de la Louisa on the west side of the Subject Property, was listed between 1972 and 1990. The building was demolished during redevelopment of the parcel in 2003. This historic dry cleaning business was evaluated in a Phase I ESA completed by EMG in 1997 and is discussed in more detail in Section 5.

4.4 Topographic Maps

Historic topographic maps of the Subject Property and surrounding area were obtained from EDR. TOR evaluated maps from 1901, 1902, 1942, 1948, 1968, 1978 and 1981. A review of the topographic maps is provided below. The topographic maps are included in Appendix E.

- The Subject Property is situated at approximately 350 feet above mean sea level in a flat alluvial plain that gently slopes towards the south-southwest. Aliso Creek runs from the northeast to the southwest approximately ½ mile southeast of the Subject Property.

- The topographic maps from 1901, 1902 and 1942 show the Subject Property and adjacent land to be unimproved. El Toro Road is present in roughly its present alignment, as are two roads branching to the south (visible in 1901, 1902, 1942 and 1948) and southwest (visible in 1901, 1902 and 1942), which are not present in later years, as is a road in the future easement of the I-5 Freeway to the east.

- The 1948 topographic map shows the Subject Property to be unimproved land. Adjacent parcels are similarly unimproved with the exception of a water well indicated to be present in the land to the south. El Toro Road is present, as is a road in the future easement of the I-5 Freeway to the east.

- The 1968 topographic map shows the Subject Property to be improved with the building currently (2012) occupied by BJ Brewhouse and Restaurant, an L-shaped retail structure within the current footprint of the Total Woman Spa/Nordstrom's Rack building, and five small rural residential or commercial structures along the southwest edge of the Subject Property. The remainder of the Subject Property is shown to be unimproved land. Adjacent

parcels are improved with various commercial structures to the north and west, vacant land to the south, and the I-5 Freeway to the east.

- The 1981 topographic map shows the Subject Property to be improved with the current retail structures.

4.5 Environmental Liens or Activity and Use Limitations

An environmental lien search was conducted for the Subject Property (Appendix G). Environmental liens or Activity and Usage Limitations (AULs) were not reported by EDR (Appendix F). In addition, no environmental liens on the APNs associated with the Subject Property were reported by the User.

Section 5: User Provided Information

5.1 Proposed Use

This Phase I ESA was requested as part of a property transfer involving the Users of this report.

5.2 User Provided Documents

As part of the Phase I ESA, TOR reviews relevant documentation, specialized knowledge, and/or commonly known information available from Glaser Weil and MGP pertaining to the Subject Property.

The following documents were provided by the User and were reviewed by TOR while conducting this Phase I ESA. Copies of relevant documents are included in Appendix G.

January 1967, Orange County California Tax Assessor, *Tract Maps for Tract No. 6106*. 5p.

> The January 1967 tract map includes the portion of the Subject Property currently improved with BJ's Brewhouse and Total Woman Gym/Nordstrom's Rack, as well as paved parking adjacent to these structures. This information, in conjunction with other historical resources, indicates that development of this portion of the Subject Property began shortly after January 1967, when the area was subdivided with the assessor.

March 1973, Orange County California Tax Assessor, *Tax Assessor Parcel Map 621-05*. 1p.

> The tax assessor parcel map page 621-05 includes the portion of the Subject Property not included in Tract No. 6106 (from January 1967). The date of the tax assessor page modification of March 1973, in conjunction with other historical resources, indicates that the mall, with the exception of the portion included in Tract No. 6106, was under development in 1973.

13 July 1973, Orange County California Tax Assessor, *Deed of Easement No. 110, Rossmoor Water Company for installation and maintenance of a 16-inch asbestos cement water main*. 7p.

> This easement indicates that a 16-inch asbestos cement water main (pipe) was installed beneath the Subject Property at the location indicated in the easement. The use of asbestos cement for water mains was a common practice in 1973, and does not indicate an exposure concern. However, should redevelopment activities impact the easement area and include abandonment of the asbestos-cement pipe, it should be managed in accordance with state and federal regulations. The presence of an asbestos-cement pipe is considered a *Notable Condition*.

29 September 1989, Certified Environmental and Testing (CET), *Asbestos Survey at the Laguna Hills Mall and Laguna Hills Shopping Center, Laguna Hills, California*. 122p.

The report indicates that the mall was constructed in two phases: Phase I was completed in 1973 and Phase II was completed in 1977. The approximate square footage of the mall and shopping center is estimated at 1,097,960 square feet. The asbestos survey did not include a survey of the building, which is currently (2013) occupied by BJ's Brewhouse.

The report identifies the following as asbestos-containing materials:

- Floor Tile
- Transite Wall Board
- Sprayed-on Ceiling Material
- Linoleum Floor Covering Materials (not sampled but assumed to contain asbestos)

A sampling plan on page 75 of 122 of the report is a floor plan of the "Laguna Hills Shopping Center", which is the L-shaped structure that was located within the footprint of the current Total Woman Gym/Nordstrom's Rack building. This plan shows the location of a historical dry cleaner at the northwest corner of the building (*Illustration 4*). The former dry cleaning business reportedly ceased operations in 1994.

The evaluation of the current presence or condition of asbestos-containing materials was outside of the scope of TOR's Phase I ESA; however, the historical presence of asbestos-containing building materials onsite is considered a *Notable Condition*.

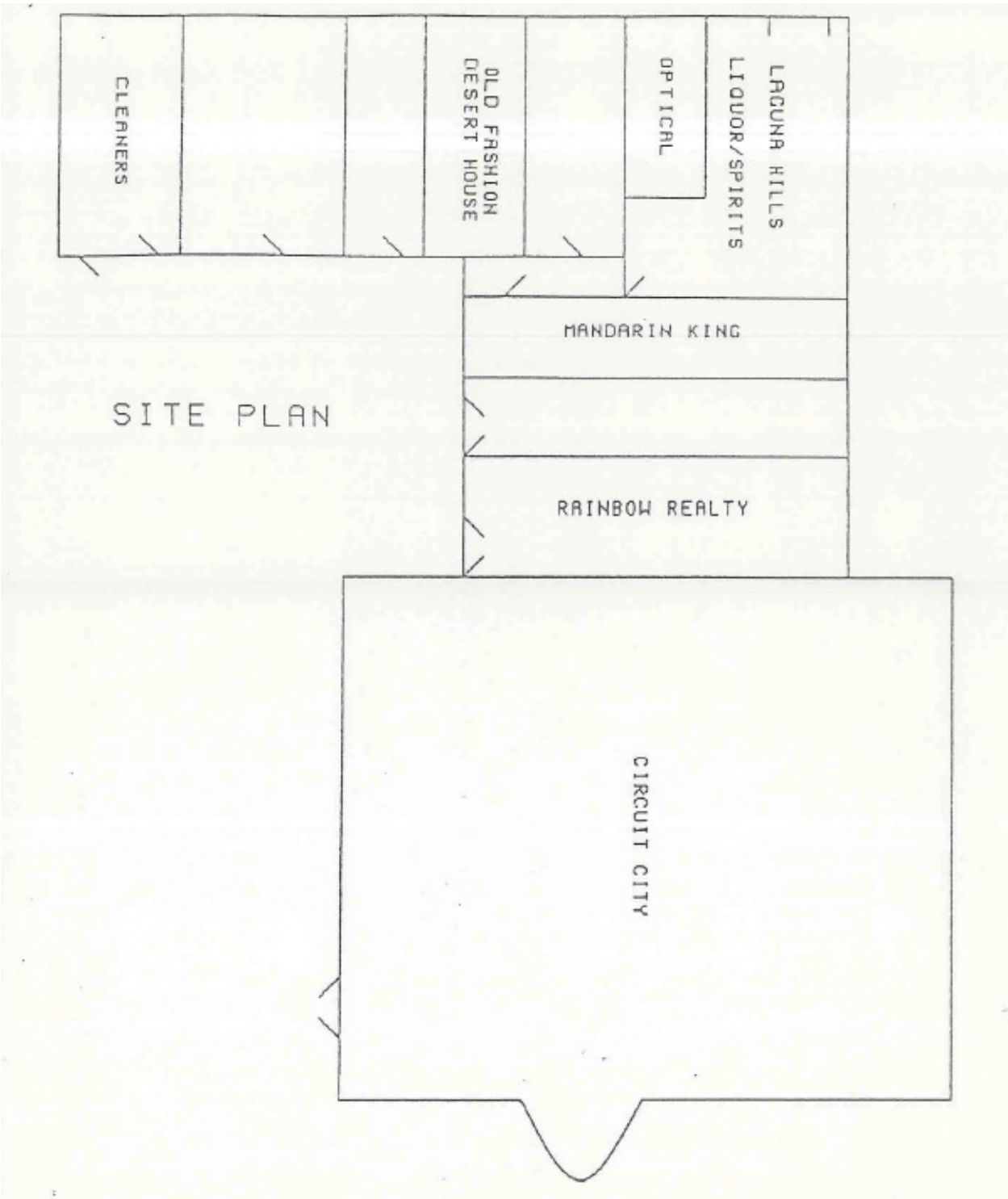

Illustration 4: Site Sketch of Former Laguna Hills Shopping Center Building, Showing Historical Dry Cleaner Location.

14 August 1992, CTL Environmental Services (CTL), *Asbestos Survey Report for Buffums, 24231 Laguna Hills Mall, Laguna Hills, CA 92653*. 65p.

The asbestos survey conducted by CTL included only the Buffums Department Store, which corresponds to the 2-story former food court area of the mall. The survey identified the following asbestos-containing materials:

- Fireproofing
- Floor Tile/Mastic
- Linoleum
- Roofing Material and Roof Patches

The evaluation of the current presence or condition of asbestos-containing materials was outside of the scope of TOR's Phase I ESA; however, the historical presence of asbestos-containing building materials onsite is considered a *Notable Condition*.

September 1992, Various Authors, *Comments on Laguna Hills EIR*. 51p.

The comments on the EIR are associated with an expansion of the mall that was planned as of 1992. The comments do not contain information with substance for TOR's Phase I ESA.

05 May 1993, Bing Yen & Associates, Inc., *Status Report on Remediation Activities for Wright Petroleum Site 23991 El Toro Road, Laguna Hills, CA*. 69p.

This report summarizes remedial activities conducted to date in 1993 at the gasoline station at 23991 El Toro Road. This facility is an adjacent, upgradient, active LUST case that data collected in the fourth quarter of 2012 indicates is a continued potential source of groundwater impact to the Subject Property. As discussed in Section 3.2, this upgradient, adjacent LUST site represents a *REC*.

1994 – 1995, Various Authors, *Correspondence and Legal Documents Regarding Shopping Center Associates v. HomeFed Bank, et. al.* 193p.

From 1990 through 1995, Shopping Center Associates (SCA) entered into legal action against parties that they perceived were the source of contaminated soil and groundwater beneath the Subject Property. Review of the provided documents indicates that these parties appeared to be associated with parties that owned or operated land occupied by the various fueling facilities located adjacent and upgradient of the Subject Property. In 1995, various payments to SCA were made and the legal action was settled. This historical legal action is considered a *Notable Condition*, especially as it pertains to indemnifications and guarantees to

remediate the Laguna Hills Mall property. TOR recommends that the User review the implications of these legal documents and proceedings.

19 February 1996, Bing Yen & Associates, Inc., *Status Report on Remediation Activities for 23991 El Toro Road, Laguna Hills, California*. 116p.

This report summarizes remedial activities conducted to date in 1996 at the gasoline station at 23991 El Toro Road. This facility is an adjacent, upgradient, active LUST case that data collected in the fourth quarter of 2012 indicates is a continued potential source of groundwater impact to the Subject Property. As discussed in Section 3.2, this upgradient, adjacent LUST site represents a *REC*.

05 September 1997, EMG, *Phase I Environmental Site Assessment of Laguna Hills Mall, 24155 Laguna Hills Mall, Laguna Hills, California 92653*. 195p.

EMG's Phase I ESA included the entire Subject Property, with the exception of the JC Penney structure, which was excluded from the scope of the assessment.

The Phase I ESA identified the following items of concern:

- An unmarked 55-gallon drum was identified on the south side of the JC Penney's structure. EMG recommended its removal.

- EMG recommended that development and implementation of an Asbestos Operations and Maintenance (O&M) Program.

- EMG indicated that several USTs were identified with the Laguna Hills Mall and recommended file reviews to evaluate these concerns. The review document is summarized below.

- EMG indicated that several LUST sites were identified in the area of the Subject Property and groundwater monitoring wells were observed throughout the Laguna Hills Mall. File reviews were recommended at the SARWQCB. The review document is summarized below.

- EMG identified that a dry cleaner formerly occupied a tenant space within Building 3 (the former Laguna Hills Shopping Center building within the footprint of the current Total Woman Spa/Nordstrom's Rack building) from at least 1983 through 1994. Although EMG indicated that there is a potential for subsurface contamination, they did not identify the historical dry cleaner as a *REC*, and they did not recommend further assessment of the dry cleaner. *Illustration 5* indicates the location of the former dry cleaner on the current site map.

  The former building and associated foundations housing the historic dry cleaning business were razed and removed from the Subject Property in

approximately 2003 based on TOR's interview with Simon Property Group who has managed the Laguna Hills Mall property since 1996. The new multi-story commercial building that replaced the Laguna Hills Shopping Center is anticipated to have foundations that exceeded the depth of the foundations of the former building. It is anticipated that re-grading and possibly soil removal and replacement were required to accommodate the new structure, associated loading docks and receiving areas. At a minimum, soil beneath the historic business was excavated, redistributed and recompacted at this location exposing potential residual impacts to contractors, engineers, government inspectors and stakeholders working on the project. If hazardous wastes were encountered, these conditions would likely be reported, characterized and remediated. The data gaps created appear to be the result of not encountering the potential impacts. Reports of contamination were not found during the research reported in EMG's Phase I ESA. TORs review of historic information did not reveal additional documentation or information indicating the discovery of a release from this former business. No government databases list the business as a generator of hazardous waste nor do they document a release to the environment. Additional investigation would require drilling and sampling soil gas from inside the Nordstrom's Rack/Total Woman Gym and Day Spa. Evaluation of the information reviewed during this assessment suggests the potential for the historic dry cleaner to have impacted soil and groundwater beneath the Subject Property is low. Although the business may have been considered a *REC* in 1994, subsequent redevelopment of the site in 2003 reclassifies it as a *HREC* than is not considered a REC currently.

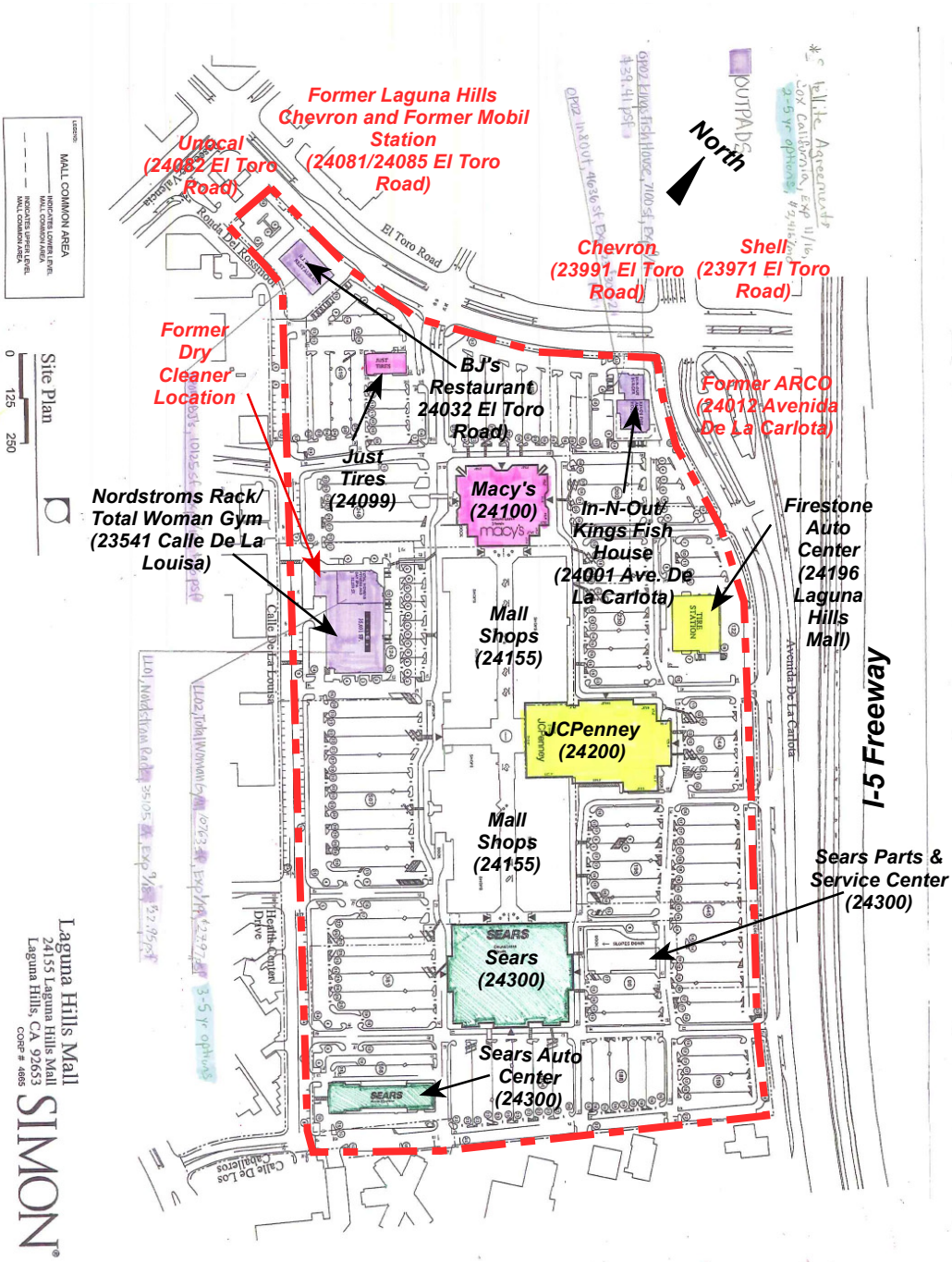

Illustration 5: Former Dry Cleaner Location and Upgradient/Adjacent LUST Sites

01 October 1997, EMG, *File Review, Laguna Hills Mall, 24155 Laguna Hills Mall, Laguna Hills, California 92653*. 121p.

EMG reviewed the files for the adjacent upgradient LUST sites at the SARWQCB. EMG concluded that:

> "No information was presented in the reviewed files that would indicate that the current owners of the Project would be held responsible for the cleanup of any of the identified contamination. In addition, there does not appear to be an immediate health risk to the occupants of the Project…"

EMG reviewed OCHCA files for tenants of the Laguna Hills Mall, including Kits Cameras, Lenscrafters and Laguna Hills Cleaners. The file information for Laguna Hills cleaners indicates that the dry cleaner utilized PCE as dry cleaning fluid, and operated at the suite onsite from at least 1983 through 1994. EMG found no UST files and no reports of a release to soil or groundwater for the Subject Property addresses.

EMG reviewed Orange County Fire Authority (OCFA) files for 24099 Laguna Hills Mall (Goodyear/Just Tires). Hazardous materials storage records were found, but no record of historical USTs.

27 July 2005, AllWest, *Environmental Site Assessment, Parking Lot, Laguna Hills Mall, Southwest Portion of Orange County Assessor Parcel No. 621-051-33 (24300 Calle De La Louisa), Laguna Hills, California*. 26p.

AllWest's Phase I ESA included only the 150,000 square feet of the Subject Property, which included the southwest portion of Parcel No. 621-051-33.

AllWest did not identify any *REC*s associated with the portion of the Subject Property evaluated, and did not recommend further assessment.

21 September 2012, R.A. Smith National, *ALTA/ACSM Land Title Survey, Laguna Hills Mall, 24155 Laguna Hills Mall, Laguna Hills, CA 92653*. 10p.

The ALTA/ACSM Land Title Survey provides surveying and parcel information for the Subject Property.

21 December 2012, First American Title Insurance Company, *Preliminary Title Report*. 37p.

The preliminary title insurance report provides surveying and parcel information for the Subject Property.

Section 6: Agency Records Review

TOR used the following agency sources to obtain information on the Subject Property and surrounding area:

- ***Department of Oil, Gas & Geothermal Resources (DOGGR):*** According to Version 2.0 of the Online Mapping System (DOMS), no oil and gas wells are located on the Subject Property.
- ***California Department of Water Resources:*** geologic information.
- ***State Water Resource Control Board (SWRCB):*** hydrogeologic information.
- ***State Water Resources Control Board (SWRCB) GeoTracker Database:*** The Subject Property is not listed on the SWRCB's *GeoTracker* database, with the exception of The Tire Station, at 24196 Laguna Hills Mall, which is identified as a permitted UST site. This record corresponds to the address for the Firestone Complete Auto Care Center, and is discussed in Section 3.1. A number of sites were identified adjacent and/or upgradient of the Subject Property, these sites were researched and TOR's review is summarized in Section 3.2. Reports downloaded from GeoTracker are included in Appendix I.
- ***Department of Toxic Substance Control (DTSC) ENVIROSTOR Database:*** The Subject Property was not indicated on this website; no sites listed in the vicinity on the Envirostor database were identified.

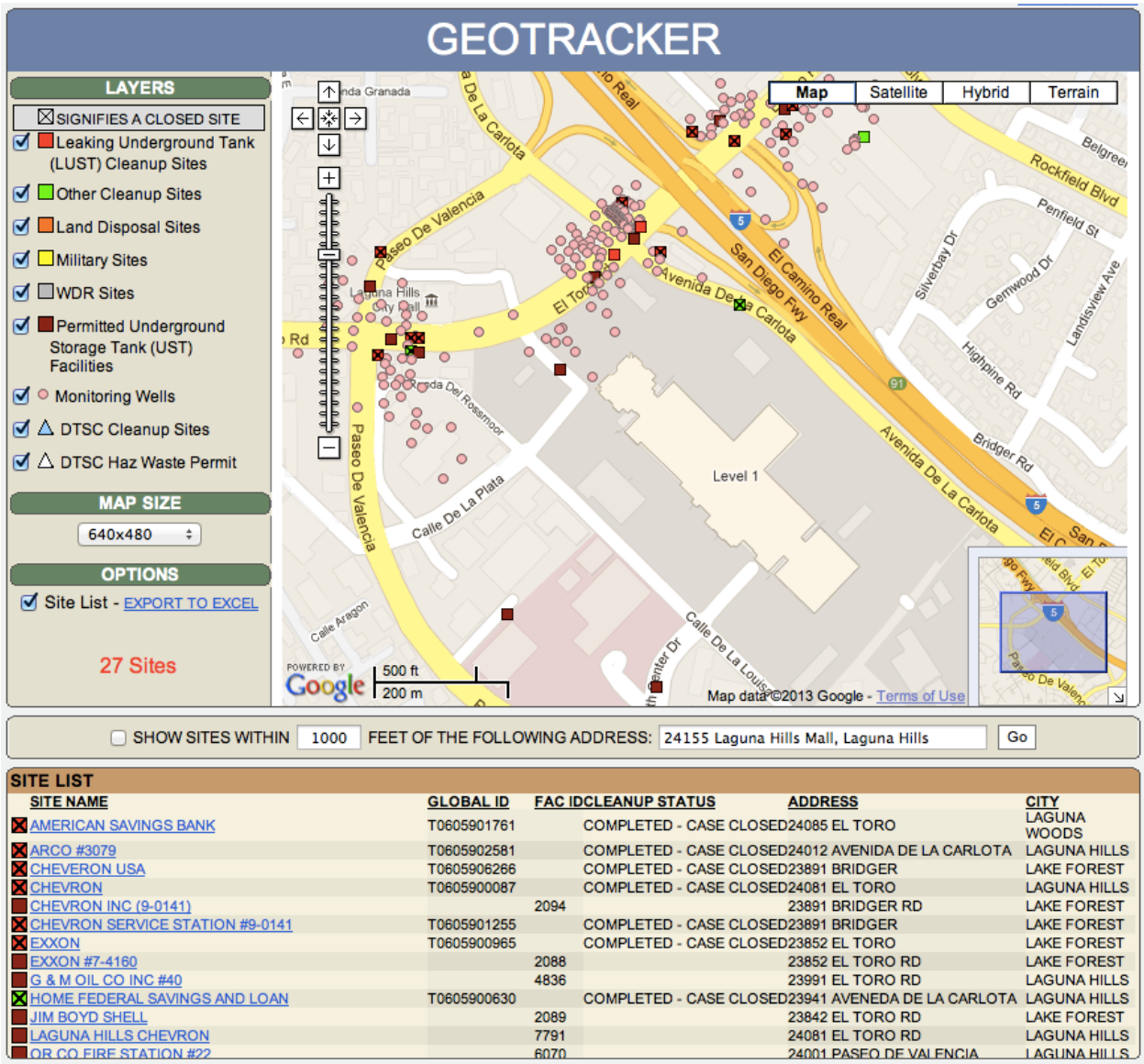

Illustration 6: GeoTracker Database Map of Vicinity of Subject Property

Section 7: Interviews and Subject Property Reconnaissance

7.1 Interview

TOR interviewed the current Laguna Hills Mall Area Manager, Melissa Palencia of Simon Property Group, Inc. Information from TOR's interview is incorporated in the Summary Table in Section 7.2.

7.2 Subject Property Reconnaissance-Visual and Physical Observations

Jeffrey Borum of TOR performed the Subject Property reconnaissance on 3 and 14 January 2013. Visual observations noted during the ground reconnaissance are included in the table below. Photographs of Subject Property are included in Appendix H. TOR reviewed the publically accessible portions of the retail facilities, and the interior of the auto service facilities. TOR did not access the shipping and storage areas of the retail businesses at the Subject Property.

Subject Property Reconnaissance Summary Table

Feature / Characteristic	Y/N	Comments
Current Use of Subject Property	NA	Retail Shopping Center including three auto service facilities.
Vacant Spaces / Undeveloped Areas / Wetlands	N	The entire Subject Property is developed.
Landscaping *(potential pesticide use)*	N	Asphalt/concrete paved- greater than 95%.
Parking Lots / Structures *(potential for vapor intrusion or chem. Spills)*	Y	Parking is provided by asphalt-paved surface parking. No subsurface parking is present on the Subject Property.
Previous Uses or Investigations		
Concrete pads *(associated with electrical systems or large machinery)*	Y	Transformers (SCE owned), irrigation controls, electrical installations.
Former Pump Islands	N	None identified
Fill Ports *(small manholes associated with USTs)*	Y	A suspect used oil fill port was noted in the floor on the south side of the Firestone Auto Center shop. This suspect fill port may have been associated with a former UST identified at the Firestone facility.
Vent Pipes *(associated with USTs)*	N	None identified.
Former Building Foundations	N	
Drums and Containers	Y	Drums of used and new oil were noted at the auto service facilities.
Sumps	N	

Subject Property Reconnaissance Summary Table

Feature / Characteristic	Y/N	Comments
Clarifiers	Y	Each auto service facility operates one in-ground clarifier or oil/water separator. Two additional clarifiers were located west of the Firestone Auto Care Center that appear to be associated with collection and pre-treatment of runoff from two refuse compactors located in this area. Due to the potential for releases from the clarifiers, the in-ground clarifiers represent a *REC*.
Hoists or Lifts *(often associated with hydraulic fluids & auto repair)*	Y	Refuse compactors (5) were identified onsite. Although hydraulic oil staining was noted at the base of the compactor reservoir, the condition appeared to be a *de minimis* condition. The three auto service facilities currently operate (Sears and Just Tires) or formerly operated (Firestone) in-ground hydraulic lifts. Due to the potential for leakage and subsurface petroleum impact, these in-ground lifts represent a *REC.* No other significant leaks or staining representing a *REC* were observed.
Concrete / Asphalt patches	Y	Various concrete/asphalt patches were noted throughout the paved portion of the facility. A concrete patch on the south side of the Firestone Auto Center is located on the other side of the wall from a suspect fill port, and represents a *REC* as a suspected former UST location.
Monitor/Supply/Disposal Wells	Y	Onsite wells noted. Monitoring wells are associated with adjacent active and closed LUST sites (six facilities) to the north and are further discussed in Section 3.2.
Containers / Containment		
Aboveground Storage Tanks (ASTs)	Y	Used and new oil ASTs are maintained by the auto service facilities.
Underground Storage Tanks (USTs)	N	No currently in-use USTs were identified.
Hazardous Chemicals *(Storage, Use, Disposal)*	N	Hazardous chemical use in association with facility maintenance, janitorial service, and auto service and repair were noted onsite.
Petroleum Hydrocarbons	Y	Petroleum hydrocarbon use and storage associated with auto repair facilities was identified onsite.
Pesticide Usage or Storage	Y	Rodent traps
Unlabeled Containers/Substances	N	
Solid Waste Storage *(i.e. bins)*	Y	Refuse containers in good condition.
Septic Tanks	N	Facility connected to sanitary sewer.
Berms *(potential secondary containment)*	N	
Potential Waste Disposal Systems / Containment		
Waste Water Generation	N	Domestic wastewater only.
Pits, Ponds, Lagoons	N	
Pools Of Liquid	N	
Floor Drains	Y	Connected to sewer

Subject Property Reconnaissance Summary Table

Feature / Characteristic	Y/N	Comments
Drainage Systems *(i.e. ditches)*	N	No waste drainage ditches observed
Dumping or Filling Activities *(i.e. soil or debris piles)*	N	None observed
Roads And Trails With No Apparent Purpose *(potential for illicit dumping)*	N	
Potential Evidence for Chemical Impacts		
Materials Spills	Y	Various spills of oils and lubricants were evident in the auto service facilities. Noted spilled materials appeared to be on concrete or paved surfaces in a condition that would prevent migration to the subsurface.
Unusually Stained or Corroded Pavement or Flooring	N	Staining typical of auto repair facilities and waste management activities was noted in the auto repair facilities and in the waste management areas.
Odors	N	
Air Emissions	N	
Interior water damage / mold *(potential pathway for impacts)*	N	Not observed
Stained Or Disturbed Soil	N	
Stressed Vegetation	N	
Non ASTM items & Miscellaneous		
Electrical Transformers (PCBs)	Y	SCE pad-mounted transformers noted onsite, installed circa 1968 - 1977.
Florescent Lighting (PCBs)	Y	PCB content unknown (anticipated)
Suspect Asbestos-Building Materials	Y	Due to pre-1981 construction, Presumed Asbestos-containing Materials (PACM) is present onsite.
Water damage / Mold	N	Not observed
Suspect Lead-Based Paint	Y	Not tested, possible (1968 - 1977 construction date)
Fiber Optics Lines	N	Not observed
Heating Systems (associated with heating oil, gas, electric or steam radiators)	N	Not observed
High Voltage Power Lines/ Magnetic Fields	N	High voltage lines not noted onsite.
Cellular Phone Tower	N	Cell towers not noted onsite.
Neighboring Dry Cleaners	Y	Nearest offsite dry cleaner identified is located approximately 300 feet to the south (downgradient).
Neighboring Property USTs	Y	Three currently operational adjacent gasoline stations as discussed in Section 3.2.
Any sites NOT listed in EDR? Incorrect addresses?	N	

Section 8: Historical Materials of Concern

8.1 Suspect Asbestos-Containing Materials

While the use of asbestos in the manufacture of most building materials has not been fully prohibited by law, the use of asbestos, for the most part, has voluntarily been discontinued since the late 1970s. Some non-friable materials, such as roofing material and floor coverings (floor tile and mastic) may have been manufactured with asbestos materials and may have been used into the early 1980s. Given the Subject Property was initially developed in 1968, building materials must be assumed to be Presumed Asbestos-containing Materials (PACM) unless sampling or documentation indicates that no asbestos is present. Suspect materials should always be characterized, tested and planned for, monitored and documented as with any removal or maintenance activities involving PACMs.

8.2 Lead-based Paint

In 1978, the Consumer Products Safety Commission banned paint and other surface coating materials containing lead. Because the property was first developed in 1968, these materials may be present.

8.3 PCB Equipment

Polychlorinated biphenyls (PCBs) were historically used as coolants and lubricants in transformers, capacitors, and other electrical equipment beginning in 1929, because they do not burn easily and serve as a good insulating material. Pad-mounted transformers were observed on the Subject Property during the site visit. The transformers appeared to be operable and no perimeter oil staining was noted at the time of the site visit. The transformers were not all clearly marked but may contain PCBs since they were installed beginning in 1968.

Fluorescent light fixtures were observed in the ceilings of the buildings as well as around the lighted parking lot areas. PCBs are known to be present in fluorescent light ballasts and electric transformers; although, there were no documented or observed releases of PCBs on the Subject Property at the time of the site visit. Proper handling and disposal procedures are required when handling these materials.

8.4 Radon

The Federal Environmental Protection Agency put Orange County in Radon Zone 3 (indoor air average level of < 2 pCi/L). One federal test of radon in 1st floor living areas revealed an average concentration of 2.200 pCi/L. This information is not specific to the Subject Property and site specific testing would be required to evaluate any risk from radon.

8.5 Mold

TOR did not (i) perform a mold/fungi inspection, (ii) perform any building material surface mold sampling, or (iii) perform air sampling for mold spores at the Subject Property as part of this

Phase I ESA. The property is developed and includes air conditioner and refrigeration facilities that are sometimes responsible for mold development. Any demolition activities involving the structures should include inspections for mold development prior to initiation. Employee complaints or observations in this regard should also be investigated and appropriately mitigated for the protection of human health.

Section 9: Conclusions and Recommendations

TOR conducted the Phase I ESA in conformance with the scope and limitations of ASTM E1527-05 for the retail shopping center located at 24099, 24100, 24155, 24196, 24200 and 24300 Laguna Hills Mall; 24001 Avenida De La Carlota; 23541 Calle De La Louisa; and 24032 El Toro Road, Laguna Hills, California. Any exceptions or deletions from this practice are detailed in Section 10 of this report.

9.1 Conclusions

The Subject Property consists of 16 contiguous tax assessor parcels constituting the Laguna Hills Mall situated southeast of El Toro Road, southwest of Avenida De La Carlota, northwest of Calle De Los Caballeros and northeast of Ronda De Rossmoor/Calle De La Louisa. The eight buildings currently present on the Subject Property are located on approximately 43.2 acres of land. The buildings provide retail shopping, restaurant and other services for the surrounding residential community.

Recognized Environmental Conditions (RECs)

This assessment has revealed no evidence of *Recognized Environmental Conditions (RECs)* (as that term is defined in ASTM Standard Practice E1527-05) in connection with the Property, with the exception of the following:

- **Onsite Auto Service Facilities:** Three auto service facilities have historically operated on the Subject Property. These three facilities are currently the Sears Auto Center, Firestone Complete Auto Care Center, and Just Tires. These three facilities are identified as historical oil or used oil UST operators. In-ground clarifiers or oil/water separators are present associated with all three of these facilities. These facilities currently (Sears and Just Tires) or historically (Firestone) operated in-ground hydraulic lifts. Current and historical operations at the three onsite auto repair facilities represents a *REC* due to the potential for subsurface impact from hydraulic lifts, wastewater treatment devices (oil/water separator or clarifiers), and use and storage of oil and other auto maintenance chemicals.

- **JC Penney Diesel Fuel UST:** Review of the Orphan List in the EDR report indicates the historical presence of a 1,000-gallon diesel fuel UST associated with the JC Penney store. Due to the potential for residual impact from stored petroleum products, the presence of historical UST at the JC Penney facility represents a *REC*.

- **Adjacent Upgradient LUST Sites:** Six LUST sites were identified adjacent and upgradient to the Subject Property. Review of reports available on GeoTracker and EnviroStor (Appendix I) indicate that TPH as gasoline (TPHg), BTEX, and Fuel Oxygenates have impacted the groundwater, including groundwater monitoring wells on the Subject Property. Since recent groundwater sampling indicates groundwater beneath

the Subject Property has been impacted, the adjacent upgradient LUST sites represent a *REC*.

Historical Recognized Environmental Conditions (*HRECs*)

An *HREC* is an environmental condition which in the past would have been considered a *recognized environmental condition*, but which may or may not be considered a *recognized environmental condition* currently. One *HREC* was identified during this assessment.

- The Laguna Hills Cleaners (23521 Calle de la Louisa) represents a *HREC* for the Subject Property. The dry cleaning business reportedly ceased operating in 1994 and the building was demolished as a part of a redevelopment of the parcel in 2003. The earth work completed in preparation for the new structure (Nordstrom Rack/Total Woman Gym & Spa) involved extensive excavation, redistribution and re-grading of the soil beneath the former cleaner. Dry cleaning impacts to soil were not documented in the historic information revealed during the completion of this Phase I ESA. The potential for the historic Laguna Hills Cleaners to have impacted soil and groundwater beneath the Subject Property appears low. Although the business may have been considered a *REC* in 1994, subsequent redevelopment of the site in 2003 reclassifies it as a *HREC.*

Notable Findings

Findings that are not *RECs* or *HRECs*, but do have some potential to have affected the Subject Property are identified as *Notable Findings* for the purpose of this report.

- **Easement with Asbestos-concrete Pipe:** An easement from 1973 was identified on the Subject Property that includes a 16-inch asbestos cement water main (pipe). The use of asbestos cement for water mains was a common practice in 1973, and does not indicate an exposure concern. However, should redevelopment activities impact the easement area and include abandonment of the asbestos-cement pipe, it should be managed in accordance with state and federal regulations. The presence of an asbestos-cement pipe is considered a *Notable Condition*.

- **Asbestos-containing Materials (ACMs) Identified Onsite:** Historical asbestos surveys have identified the presence of asbestos in various building materials within the Laguna Hills Mall structures. The evaluation of the current presence or condition of asbestos-containing materials was outside of the scope of TOR's Phase I ESA; however, the historical presence of asbestos-containing building materials onsite is considered a *Notable Condition*.

- **Historical Legal Action of Shopping Center Associates against Upgradient LUST Concerns:** From 1990 through 1995, Shopping Center Associates (SCA) entered into legal action against parties that they perceived were the source of contaminated soil and groundwater beneath the Subject Property. Review of the provided documents indicates that these parties appeared to be associated with parties that owned or operated land occupied by the various fueling facilities located adjacent and upgradient of the Subject

Property. In 1995, various payments to SCA were made and the legal action was settled. This historical legal action is considered a *Notable Condition*, especially as it pertains to indemnifications and guarantees to remediate the Laguna Hills Mall property. TOR recommends that the User review the implications of these legal documents and proceedings.

9.2 Recommendations

Further environmental assessment for the Subject Property would be required to evaluate the identified *REC*s.

Section 10: Deviations

No deviations from the ASTM E 1527-05 standard were made during the preparation of the Phase I ESA portion of this report.

The history of the Property was not researched back to the first developed use (including agricultural use or an incidence of import of fill material), or to 1940, whichever was earlier, since agricultural use of the Subject Vicinity was evident as of the oldest site-specific historical source researched (topographic map from 1901). However, since no commercial or industrial use of the Subject Property vicinity is anticipated prior to 1901, the data failure does not represent a *REC*.

When conducting the historical review, intervals of not greater than five years were researched, unless the use of the Property was unchanged over a period of longer than five years.

No further historical data sources were evaluated, because: (1) they were not *reasonably ascertainable*, and/or (2) the assessor's experience indicates that additional available sources were not likely to be sufficiently useful, accurate, or complete in terms of satisfying the historical research objectives. Based on these two criteria, no attempt was made to evaluate the following historical sources:

- Recorded Land Title Records
- Property Tax Files
- Zoning/Land Use Records

Other Historical Sources, including miscellaneous maps, newspaper archives, Internet sites, community organizations, local libraries, historical societies, and current owners/occupants of neighboring parcels.

Section 11: References

Published References

04 December 2012, Atlas Environmental Engineering, Inc. (Atlas), *G&M Oil Company Station #40 (Former Wright Petroleum), 23991 El Toro Road, Laguna Hills, CA 92606, Quarterly Status Report, 4th Quarter 2012, SARWQCB Case #083000580T.* 138p.

27 August 2012, Conestoga-Rovers & Associates (CRA), *Corrective Action Plan and Request for Closure, Shell-Branded Service Station, 23971 El Toro Road, Laguna Hills, California*. 308p.

11 January 2013, Environmental Data Resources, Inc., EDR *Building Permit Report.*

25 January 2013, Environmental Data Resources, Inc., EDR *City Directory Abstract*.

11 January 2013, Environmental Data Resources, Inc., EDR *Historical Topographic Map Report.*

11 January 2013, Environmental Data Resources, Inc., EDR *Property Tax Map Report.*

11 January 2013, Environmental Data Resources, Inc., EDR *Certified Sanborn Map Report*.

11 January 2013, Environmental Data Resources, Inc., EDR *Radius Map Report with GeoCheck.*

28 January 2013, Environmental Data Resources, Inc., EDR *Environmental Lien Search.*

15 January 2013, Environmental Data Resources, Inc., EDR *Aerial Photo Decade Package*.

28 June 2004, Orange County Health Care Agency, Environmental Health (OCHCA), *Remedial Action Completion Certification, UST Case, American Savings Bank/Former Mobil Station No. 99-384, 24085 El Toro Road, Laguna Hills, CA #94UT017 and Case Closure Summary*. 6p

06 June 2005, OCHCA, *Remedial Action Completion Certification, UST Case, Former Chevron Service Station No. 9-9384, 24081 El Toro Road, Laguna Hills, CA #85UT106 and Case Closure Summary*. 6p.

18 July 2006, TRC, *Revised Vapor Survey and Groundwater Evaluation Report, 76 Station 5408, 24082 El Toro Road, Laguna Hills, CA*. 115p.

18 January 2007, TRC, *Quarterly Monitoring Report, October through December 2006, 76 Station 5408, 24082 El Toro Road, Laguna Hills, CA*. 197p.

Electronic Database References

http://www.geotracker.waterboards.ca.gov

http://www.envirostor.dtsc.ca.gov/public/

Section 12: Signature of Environmental Professional

We declare that to the best of our professional knowledge and belief, we meet the definition of an Environmental Professional as defined in § 312.10 of this part. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. We have developed and performed the all appropriate inquiries in conformance with the standards set forth in in ASTM Practice E 1527-05.

Date: 22 January 2013

Roy A. Litzenberg, C.P.E.A.

Date: 22 January 2013

Jeffrey D. Borum, P.G., C.E.G

Appendix A

EDR Radius Map Report with GeoCheck

Laguna Hills Mall
24155 Laguna Hills Mall
Laguna Hills, CA 92653

Inquiry Number: 3492747.2s
January 11, 2013

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

24155 LAGUNA HILLS MALL
LAGUNA HILLS, CA 92653

COORDINATES

Latitude (North):	33.6109000 - 33˚ 36' 39.24''
Longitude (West):	117.7070000 - 117˚ 42' 25.20''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	434411.8
UTM Y (Meters):	3719045.5
Elevation:	355 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	33117-E6 SAN JUAN CAPISTRANO, CA
Most Recent Revision:	1981
North Map:	33117-F6 EL TORO, CA
Most Recent Revision:	1982

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2009, 2010
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
JC PENNEY STORE #1223 24200 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653	HAZNET	N/A
24155 LAGUNA HILLS MALL RD 24155 LAGUNA HILLS MALL RD LAGUNA HILLS, CA 92654	ERNS	N/A
JC PENNEY INC 24155 LAGUNA HILLS MALL STE 1223-7 LAGUNA HILLS, CA 92653	HAZNET	N/A

EXECUTIVE SUMMARY

KITS CAMERA #29 24155 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653	HAZNET	N/A
JC PENNEY INC 24155 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653	HAZNET	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls
LUCIS ..... Land Use Control Information System

EXECUTIVE SUMMARY

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Properties

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
Toxic Pits..... Toxic Pits Cleanup Act Sites
CDL..... Clandestine Drug Labs
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LIENS..... Environmental Liens Listing
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

EXECUTIVE SUMMARY

CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
Orange Co. Industrial Site	List of Industrial Site Cleanups

Other Ascertainable Records

DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
CA BOND EXP. PLAN	Bond Expenditure Plan
NPDES	NPDES Permits Listing
UIC	UIC Listing
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
WIP	Well Investigation Program Case List
ENF	Enforcement Action Listing
HAZNET	Facility and Manifest Data
EMI	Emissions Inventory Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
EPA WATCH LIST	EPA WATCH LIST
WDS	Waste Discharge System
US AIRS	Aerometric Information Retrieval System Facility Subsystem
PRP	Potentially Responsible Parties
US FIN ASSUR	Financial Assurance Information
2020 COR ACTION	2020 Corrective Action Program List
PCB TRANSFORMER	PCB Transformer Registration Database
PROC	Certified Processors Database
MWMP	Medical Waste Management Program Listing
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
HWT	Registered Hazardous Waste Transporter Database
HWP	EnviroStor Permitted Facilities Listing
Financial Assurance	Financial Assurance Information Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 11/02/2012 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRANS-TECH RESOURCES INC.	23991 EL TORO ROAD	NNW 0 - 1/8 (0.022 mi.)	E24	35

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 09/11/2012 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEARS #6788/1548	***24300 LAGUNA HILLS MALL***	***0 - 1/8 (0.000 mi.)***	***B12***	***16***

EXECUTIVE SUMMARY

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/11/2012 has revealed that there are 12 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TIME O MAX 1 HOUR PHOTO	24199 LAGUNA HILLS MALL	0 - 1/8 (0.000 mi.)	B7	12
TIME-O-MAX 1 HR PHOTO	***24199 LAGUNA HILLS MALL***	***0 - 1/8 (0.000 mi.)***	***B8***	***13***
QUEST DIAGNOSTICS LAGUNA HILLS	24022 CALLE DE LA PLATA	W 0 - 1/8 (0.046 mi.)	42	82
SHELL OIL CO	***23971 EL TORO/ CARLOTA***	***NNW 0 - 1/8 (0.059 mi.)***	***E46***	***91***
TESORO WEST COAST COMPANY LLC	***23852 EL TORO RD***	***N 1/8 - 1/4 (0.190 mi.)***	***K68***	***145***
JACKS CAMERAS	***23811 BRIDGER RD***	***NNW 1/8 - 1/4 (0.225 mi.)***	***78***	***161***
A TO Z CLEANERS	***23803 EL TORO***	***N 1/8 - 1/4 (0.236 mi.)***	***L82***	***173***
EXXONMOBIL OIL CORPORATION 130	23771 EL TORO RD	N 1/8 - 1/4 (0.236 mi.)	L84	175

Lower Elevation	Address	Direction / Distance	Map ID	Page
SADDLEBACK OUTPATIENT X RAY	***24411 HEALTH CTR DR***	***SSW 0 - 1/8 (0.008 mi.)***	***D23***	***34***
SADDLEBACK BREAST CTR	***24421 HEALTH CTR DR***	***SSW 0 - 1/8 (0.022 mi.)***	***D30***	***69***
SADDLEBACK HOSPITAL	***24451 HEALTH CTR DR***	***SSW 0 - 1/8 (0.062 mi.)***	***G50***	***112***
SADDLEBACK C T AND M R I CTRS	***23961 CALLE DE LA MAGDA***	***WSW 0 - 1/8 (0.098 mi.)***	***I61***	***129***

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 11/05/2012 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PROTHERO ENTERPRISES INC. (ORA	***23512-23532 EL TORO ROA***	***NNE 1/2 - 1 (0.687 mi.)***	***98***	***200***
Status: Inactive - Action Required				

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 10/17/2012 has revealed that there are 24

EXECUTIVE SUMMARY

LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL	***24082 EL TORO RD***	***WNW 0 - 1/8 (0.004 mi.)***	***C18***	***27***
Status: Completed - Case Closed				
UNOCAL SERVICE STATION #5408	***24082 EL TORO RD***	***WNW 0 - 1/8 (0.004 mi.)***	***C21***	***31***
GW CLEANUP-L.HILLS,EL TORO RD	***23991 EL TORO***	***NNW 0 - 1/8 (0.022 mi.)***	***E28***	***43***
Status: Open - Remediation				
G & M OIL CO INC #40	***23991 EL TORO RD***	***NNW 0 - 1/8 (0.022 mi.)***	***E29***	***67***
LAGUNA HILLS CHEVRON	***24081 EL TORO RD***	***WNW 0 - 1/8 (0.034 mi.)***	***C31***	***70***
Status: Completed - Case Closed				
WALGREENS #4207	***24081 EL TORO RD***	***WNW 0 - 1/8 (0.034 mi.)***	***C32***	***72***
FORMER ARCO FACILITY NO. 3079	24012 AVENIDA DE LA CAR	NNW 0 - 1/8 (0.037 mi.)	E36	78
ARCO #3079	***24012 AVENIDA DE LA CAR***	***NNW 0 - 1/8 (0.037 mi.)***	***E37***	***78***
Status: Completed - Case Closed				
AMERICAN SAVINGS BANK	***24085 EL TORO***	***WNW 0 - 1/8 (0.049 mi.)***	***C43***	***84***
Status: Completed - Case Closed				
ASHDON DEVELOPMENT LAGUNA HILL	***23971 EL TORO RD***	***NNW 0 - 1/8 (0.059 mi.)***	***E45***	***89***
SHELL OIL CO	***23971 EL TORO/ CARLOTA***	***NNW 0 - 1/8 (0.059 mi.)***	***E46***	***91***
Status: Open - Remediation				
Status: Completed - Case Closed				
ORANGE COUNTY FIRE STATION #22	***24001 PASEO DE VALENCIA***	***WNW 0 - 1/8 (0.078 mi.)***	***H54***	***121***
ORANGE COUNTY FIRE STATION #22	***24001 PASEO DE VALENCIA***	***WNW 0 - 1/8 (0.078 mi.)***	***H56***	***123***
Status: Completed - Case Closed				
HOME FEDERAL SAVINGS AND LOAN	***23941 AVENEDA DE LA CAR***	***NNW 0 - 1/8 (0.084 mi.)***	***58***	***126***
IMATAH INC	***23891 BRIDGER RD***	***N 1/8 - 1/4 (0.162 mi.)***	***J64***	***133***
Status: Completed - Case Closed				
EXXON	***23852 EL TORO***	***N 1/8 - 1/4 (0.190 mi.)***	***K71***	***149***
Status: Completed - Case Closed				
SHELL OIL	23842 EL TORO	N 1/8 - 1/4 (0.213 mi.)	K76	157
Status: Completed - Case Closed				
MOBIL #18-378	***23771 EL TORO***	***N 1/8 - 1/4 (0.236 mi.)***	***L79***	***162***
Status: Completed - Case Closed				
Status: Open - Site Assessment				
S O I MOBIL (18-378)	***23771 EL TORO RD***	***N 1/8 - 1/4 (0.236 mi.)***	***L80***	***168***
SHELL OIL	***23751 EL TORO***	***NNE 1/4 - 1/2 (0.325 mi.)***	***N88***	***178***
Status: Open - Site Assessment				
Status: Completed - Case Closed				
ARCO #3013	***23742 EL TORO RD***	***NNE 1/4 - 1/2 (0.328 mi.)***	***N91***	***185***
Status: Open - Verification Monitoring				
UNOCAL #4966	***24201 EL TORO RD # 4966***	***NNE 1/4 - 1/2 (0.359 mi.)***	***N92***	***191***
Status: Completed - Case Closed				
EL TORO WATER DISTRICT	***24251 LOS ALISOS BLVD***	***E 1/4 - 1/2 (0.371 mi.)***	***O93***	***193***
EL TORO WATER DISTRICT	***24251 LOS ALISOS***	***E 1/4 - 1/2 (0.371 mi.)***	***O94***	***195***
Status: Completed - Case Closed				

EXECUTIVE SUMMARY

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 10/17/2012 has revealed that there are 6 SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VALENCIA SHOPPING CENTER	***24191 PASEO DE VALENCIA***	***W 0 - 1/8 (0.081 mi.)***	***57***	***125***
Facility Status: Completed - Case Closed				
HOME FEDERAL SAVINGS AND LOAN	***23941 AVENEDA DE LA CAR***	***NNW 0 - 1/8 (0.084 mi.)***	***58***	***126***
Facility Status: Completed - Case Closed				
THE SHOPS AT LAKE FOREST	24336 ROCKFIELD	NNE 1/4 - 1/2 (0.267 mi.)	M85	176
THE SHOPS AT LAKE FOREST SHOPP	24312-24422 ROCKFIELD B	NNE 1/4 - 1/2 (0.282 mi.)	M86	177
Facility Status: Open - Site Assessment				
SADDLEBACK VALLEY PLAZA	23684 EL TORO ROAD - SU	NNE 1/4 - 1/2 (0.390 mi.)	P95	198
SILVER DRY CLEANERS	***23684 EL TORO RD STE S***	***NNE 1/4 - 1/2 (0.390 mi.)***	***P96***	***198***
Facility Status: Open - Site Assessment				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 10/17/2012 has revealed that there are 12 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THE TIRE STATION	24196 LAGUNA HILLS MALL	0 - 1/8 (0.000 mi.)	B9	15
LAGUNA HILLS CIRCLE K	24082 EL TORO RD	WNW 0 - 1/8 (0.004 mi.)	C19	30
G & M OIL CO INC #40	***23991 EL TORO RD***	***NNW 0 - 1/8 (0.022 mi.)***	***E27***	***40***
LAGUNA HILLS CHEVRON	***24081 EL TORO RD***	***WNW 0 - 1/8 (0.034 mi.)***	***C33***	***75***
SHELL (4056-0207)	23971 EL TORO RD	NNW 0 - 1/8 (0.059 mi.)	E47	110
OR CO FIRE STATION #22	24001 PASEO DE VALENCIA	WNW 0 - 1/8 (0.078 mi.)	H53	121
CHEVRON INC (9-0141)	23891 BRIDGER RD	N 1/8 - 1/4 (0.162 mi.)	J65	142
EXXON #7-4160	23852 EL TORO RD	N 1/8 - 1/4 (0.190 mi.)	K72	155
JIM BOYD SHELL	***23842 EL TORO RD***	***N 1/8 - 1/4 (0.213 mi.)***	***K77***	***159***
MOBIL (18-378)	23771 EL TORO RD	N 1/8 - 1/4 (0.236 mi.)	L83	175

Lower Elevation	Address	Direction / Distance	Map ID	Page
SADDLEBACK MEMORIAL MEDICAL CE	***24451 HEALTH CENTER DR***	***SSW 0 - 1/8 (0.062 mi.)***	***G49***	***111***
SADDLEBACK VALLEY MEDICAL CENT	23961 CALLE DE LA MAGDA	WSW 0 - 1/8 (0.098 mi.)	I60	129

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the AST list, as provided by EDR, and dated 08/01/2009 has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	24300 LAGUNA HILLS	0 - 1/8 (0.000 mi.)	B15	25
Not reported	24001 PASEO DE VALENCIA	WNW 0 - 1/8 (0.075 mi.)	H51	120

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 7 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FIRESTONE STORE #27FF	***24196 LAGUNA HILLS MALL***	***0 - 1/8 (0.000 mi.)***	***B10***	***15***
UNOCAL #5408	***24082 EL TORO RD***	***WNW 0 - 1/8 (0.004 mi.)***	***C20***	***30***
G & M OIL CO INC #40	***23991 EL TORO RD***	***NNW 0 - 1/8 (0.022 mi.)***	***E29***	***67***
LAGUNA HILLS CHEVRON	***24081 EL TORO RD***	***WNW 0 - 1/8 (0.034 mi.)***	***C31***	***70***
SHELL OIL CO	***23971 EL TORO/ CARLOTA***	***NNW 0 - 1/8 (0.059 mi.)***	***E46***	***91***
OR CO FIRE STATION #22	***24001 PASEO DE VALENCIA***	***WNW 0 - 1/8 (0.075 mi.)***	***H52***	***120***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SADDLEBACK COMMUNITY HOSPITAL	***24451 HEALTH CENTER DR***	***SSW 0 - 1/8 (0.062 mi.)***	***G48***	***110***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 14 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FIRESTONE STORE #27FF	***24196 LAGUNA HILLS MALL***	***0 - 1/8 (0.000 mi.)***	***B10***	***15***
SEARS #6788/1548	***24300 LAGUNA HILLS MALL***	***0 - 1/8 (0.000 mi.)***	***B12***	***16***
BROADWAY TIRE CENTER #9377	***24099 LAGUNA HILLS MALL***	***0 - 1/8 (0.000 mi.)***	***B14***	***23***
UNION OIL SERV. STATION #5408	24082 EL TORO RD	WNW 0 - 1/8 (0.004 mi.)	C16	25
STATION #5408	24082 EL TORO RD	WNW 0 - 1/8 (0.004 mi.)	C22	33
WRIGHT OIL #9	23991 EL TORO RD	NNW 0 - 1/8 (0.022 mi.)	E25	36
TEXACO	23991 EL TORO RD	NNW 0 - 1/8 (0.022 mi.)	E26	37
99384	24081 EL TORO RD	WNW 0 - 1/8 (0.034 mi.)	C34	76
SHELL OIL CO	***23971 EL TORO/ CARLOTA***	***NNW 0 - 1/8 (0.059 mi.)***	***E46***	***91***
ORANGE COUNTY FIRE STATION #22	***24001 PASEO DE VALENCIA***	***WNW 0 - 1/8 (0.078 mi.)***	***H56***	***123***
90141	23891 BRIDGER RD	N 1/8 - 1/4 (0.162 mi.)	J66	142
EXXON SERVICE STATION	23852 EL TORO RD	N 1/8 - 1/4 (0.190 mi.)	K67	143
JAMES P. BOYD	23842 EL TORO RD	N 1/8 - 1/4 (0.213 mi.)	K73	155
S M I	23771 EL TORO RD	N 1/8 - 1/4 (0.236 mi.)	L81	172

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 11 SWEEPS UST sites within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FIRESTONE STORE #27FF	24196 LAGUNA HILLS MALL	0 - 1/8 (0.000 mi.)	B13	23
UNOCAL #5408	24082 EL TORO RD	WNW 0 - 1/8 (0.004 mi.)	C17	26
G & M OIL CO INC #40	***23991 EL TORO RD***	***NNW 0 - 1/8 (0.022 mi.)***	***E27***	***40***
LAGUNA HILLS CHEVRON	***24081 EL TORO RD***	***WNW 0 - 1/8 (0.034 mi.)***	***C33***	***75***
SHELL (4056-0207)	23971 EL TORO RD	NNW 0 - 1/8 (0.059 mi.)	E44	87
OR CO FIRE STATION #22	24001 PASEO DE VALENCIA	WNW 0 - 1/8 (0.078 mi.)	H55	122
IMATAH INC	***23891 BRIDGER RD***	***N 1/8 - 1/4 (0.162 mi.)***	***J64***	***133***
EXXON #7-4160	23852 EL TORO RD	N 1/8 - 1/4 (0.190 mi.)	K69	147
JIM BOYD SHELL	***23842 EL TORO RD***	***N 1/8 - 1/4 (0.213 mi.)***	***K77***	***159***
S O I MOBIL (18-378)	***23771 EL TORO RD***	***N 1/8 - 1/4 (0.236 mi.)***	***L80***	***168***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SADDLEBACK COMMUNITY HOSPITAL	***24451 HEALTH CENTER DR***	***SSW 0 - 1/8 (0.062 mi.)***	***G48***	***110***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/11/2012 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SADDLEBACK VALLEY RADIOLOGY	***23961 CALLE DE LA MAGDA***	***WSW 0 - 1/8 (0.098 mi.)***	***I59***	***128***

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 17 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL #5408	***24082 EL TORO RD***	***WNW 0 - 1/8 (0.004 mi.)***	***C20***	***30***
GW CLEANUP-L.HILLS,EL TORO RD	***23991 EL TORO***	***NNW 0 - 1/8 (0.022 mi.)***	***E28***	***43***
G & M OIL CO INC #40	***23991 EL TORO RD***	***NNW 0 - 1/8 (0.022 mi.)***	***E29***	***67***
LAGUNA HILLS CHEVRON	***24081 EL TORO RD***	***WNW 0 - 1/8 (0.034 mi.)***	***C31***	***70***
ARCO #3079/CAROLOTA PLAZA	24012	NNW 0 - 1/8 (0.037 mi.)	E35	77
ARCO #3079	***24012 AVENIDA DE LA CAR***	***NNW 0 - 1/8 (0.037 mi.)***	***E37***	***78***
AMERICAN SAVINGS BANK	***24085 EL TORO***	***WNW 0 - 1/8 (0.049 mi.)***	***C43***	***84***
SHELL OIL CO	***23971 EL TORO/ CARLOTA***	***NNW 0 - 1/8 (0.059 mi.)***	***E46***	***91***
OR CO FIRE STATION #22	***24001 PASEO DE VALENCIA***	***WNW 0 - 1/8 (0.075 mi.)***	***H52***	***120***
HOME FEDERAL SAVINGS AND LOAN	***23941 AVENEDA DE LA CAR***	***NNW 0 - 1/8 (0.084 mi.)***	***58***	***126***
IMATAH INC	***23891 BRIDGER RD***	***N 1/8 - 1/4 (0.162 mi.)***	***J64***	***133***
MOBIL #18-378	***23771 EL TORO***	***N 1/8 - 1/4 (0.236 mi.)***	***L79***	***162***
S O I MOBIL (18-378)	***23771 EL TORO RD***	***N 1/8 - 1/4 (0.236 mi.)***	***L80***	***168***
TEXACO REFINING AND MARKETING	***23751 EL TORO & ROCKFIE***	***NNE 1/4 - 1/2 (0.327 mi.)***	***N89***	***184***

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO #3013	23742	NNE 1/4 - 1/2 (0.328 mi.)	N90	185
EL TORO WATER DISTRICT	***24251 LOS ALISOS***	***E 1/4 - 1/2 (0.371 mi.)***	***O94***	***195***
UNOCAL SERVICE STATION #4	24201 EL TORO	NNE 1/4 - 1/2 (0.408 mi.)	P97	200

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOS ALISOS & SANTA ANA PKWY		ESE 1/4 - 1/2 (0.320 mi.)	87	178

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, and dated 12/11/2012 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KINZIE COMPANY INC	***24261 AVENIDA DE LA CAR***	***ESE 0 - 1/8 (0.039 mi.)***	***F38***	***80***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 6 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	24196 LAGUNA HILLS MAL	0 - 1/8 (0.000 mi.)	B6	12
Not reported	24300 LAGUNA HILLS MAL	0 - 1/8 (0.000 mi.)	B11	16
Not reported	23971 EL TORO RD	NNW 0 - 1/8 (0.045 mi.)	E41	82
Not reported	23891 BRIDGER RD	N 1/8 - 1/4 (0.162 mi.)	J63	132
Not reported	23852 EL TORO RD	N 1/8 - 1/4 (0.190 mi.)	K70	148

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	23842 EL TORO RD	N 1/8 - 1/4 (0.213 mi.)	K75	157

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 4 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

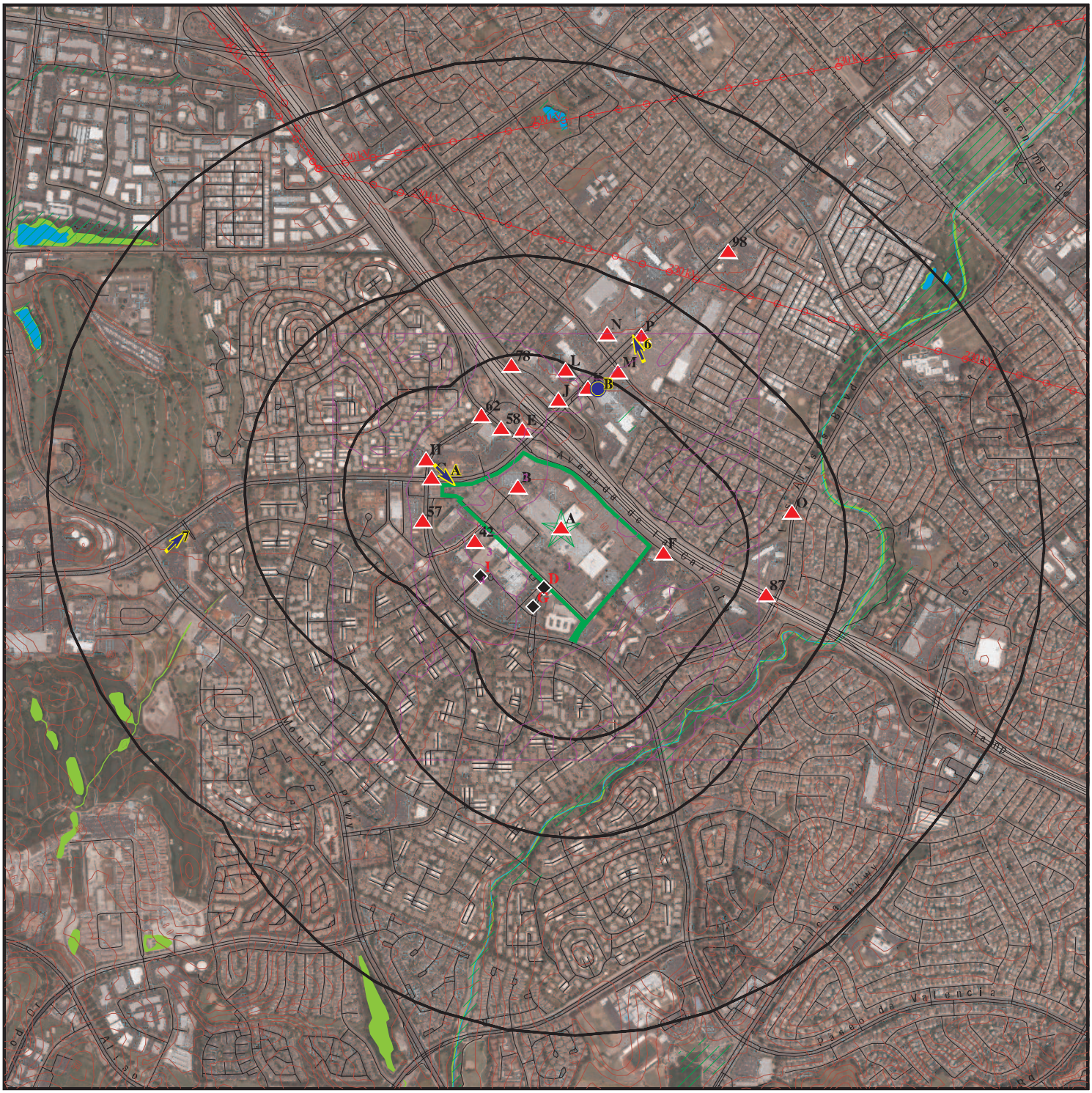
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	24261 AVENUE DE LA CAR	ESE 0 - 1/8 (0.039 mi.)	F39	81
Not reported	24261 AVENIDA DE LA CA	ESE 0 - 1/8 (0.039 mi.)	F40	81
Not reported	23521 PASEO DE VALENCI	NW 1/8 - 1/4 (0.143 mi.)	62	132
Not reported	23842 EL TORO RD	N 1/8 - 1/4 (0.213 mi.)	K74	156

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 15 records.

Site Name	Database(s)
UNOCAL #4966	HIST CORTESE
CFA EL TORO ROAD LAGUNA HILLS	NPDES
LAGUNA HILLS DR PAVEMENT REHABILIT	NPDES
J C PENNEY CO INC	UST, SWEEPS UST
PACIFIC BELL (LE140/ELTRCA11)	SWEEPS UST
UNOCAL SERVICE STATION #4966	LUST, SWEEPS UST
BP WEST COAST PRODUCTS LLC 9747	RCRA-SQG, FINDS, HAZNET
LAGUNA HILLS CIVIC CENTER	HAZNET
FORD CLEANERS OF LAGUNA HILLS	RCRA-SQG, FINDS, HAZNET
LAGUNA WOODS MUTUAL 50 & PCM INC	HAZNET
EXXONMOBIL OIL CORP 12813	RCRA-SQG
TRABUCO HILLS HIGH	FINDS
LAGUNA HILLS SHOPPING CENTER	Orange Co. Industrial Site
LAGUNA WOODS MS4	WDS
EL TORO MATERIALS CO.	MINES

OVERVIEW MAP - 3492747.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Laguna Hills Mall	CLIENT:	Tor Environmental, Inc.
ADDRESS:	24155 Laguna Hills Mall Laguna Hills CA 92653	CONTACT:	Jeff Borum
		INQUIRY #:	3492747.2s
LAT/LONG:	33.6109 / 117.707	DATE:	January 11, 2013 10:16 am

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DETAIL MAP - 3492747.2s

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/8 1/4 1/2 Miles

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Laguna Hills Mall	CLIENT:	Tor Environmental, Inc.
ADDRESS:	24155 Laguna Hills Mall Laguna Hills CA 92653	CONTACT:	Jeff Borum
		INQUIRY #:	3492747.2s
LAT/LONG:	33.6109 / 117.707	DATE:	January 11, 2013 10:17 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		1	0	0	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250		8	4	NR	NR	NR	12
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP	1	NR	NR	NR	NR	NR	1
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	1	NR	1
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		14	5	5	NR	NR	24

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500		2	0	4	NR	NR	6
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		8	4	NR	NR	NR	12
AST	0.250		2	0	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		7	0	NR	NR	NR	7
HIST UST	0.250		10	4	NR	NR	NR	14
SWEEPS UST	0.250		7	4	NR	NR	NR	11
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MCS	TP		NR	NR	NR	NR	NR	0
Orange Co. Industrial Site	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		10	3	4	NR	NR	17
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	1	0	NR	1
DRYCLEANERS	0.250		1	0	NR	NR	NR	1
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	4	NR	NR	NR	NR	NR	4
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Financial Assurance	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		3	3	NR	NR	NR	6
EDR US Hist Cleaners	0.250		2	2	NR	NR	NR	4

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property | **JC PENNEY STORE #1223**
24200 LAGUNA HILLS MALL
LAGUNA HILLS, CA 92653 | **HAZNET** | **S111082951**
N/A

Site 1 of 5 in cluster A

Actual: 355 ft.

HAZNET:

Year:	2011
Gepaid:	CAL000322628
Contact:	AIMEE PASQUIER
Telephone:	9724311032
Mailing Name:	Not reported
Mailing Address:	6501 LEGACY DR
Mailing City,St,Zip:	PLANO, TX 750243612
Gen County:	Not reported
TSD EPA ID:	AZD081705402
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0135
Facility County:	Orange

Year:	2010
Gepaid:	CAL000322628
Contact:	AIMEE PASQUIER
Telephone:	9724311032
Mailing Name:	Not reported
Mailing Address:	6501 LEGACY DRIVE
Mailing City,St,Zip:	PLANO, TX 750243698
Gen County:	Not reported
TSD EPA ID:	AZD081705402
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0025
Facility County:	Orange

Year:	2010
Gepaid:	CAL000322628
Contact:	AIMEE PASQUIER
Telephone:	9724311032
Mailing Name:	Not reported
Mailing Address:	6501 LEGACY DRIVE
Mailing City,St,Zip:	PLANO, TX 750243698
Gen County:	Not reported
TSD EPA ID:	AZD081705402
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0045
Facility County:	Orange

Year:	2010
Gepaid:	CAL000322628
Contact:	AIMEE PASQUIER
Telephone:	9724311032

JC PENNEY STORE #1223 (Continued) **S111082951**

Mailing Name:	Not reported
Mailing Address:	6501 LEGACY DRIVE
Mailing City,St,Zip:	PLANO, TX 750243698
Gen County:	Not reported
TSD EPA ID:	AZD081705402
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.004
Facility County:	Orange

Year:	2010
Gepaid:	CAL000322628
Contact:	AIMEE PASQUIER
Telephone:	9724311032
Mailing Name:	Not reported
Mailing Address:	6501 LEGACY DRIVE
Mailing City,St,Zip:	PLANO, TX 750243698
Gen County:	Not reported
TSD EPA ID:	AZD081705402
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.003
Facility County:	Orange

Click this hyperlink while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

A2
Target Property
Actual: 355 ft.

ERNS **91203463**
N/A

24155 LAGUNA HILLS MALL RD
LAGUNA HILLS, CA 92654

Site 2 of 5 in cluster A

Click this hyperlink while viewing on your computer to access
additional ERNS detail in the EDR Site Report.

A3
Target Property
Actual: 355 ft.

JC PENNEY INC **HAZNET** **S107140675**
24155 LAGUNA HILLS MALL STE 1223-7 **N/A**
LAGUNA HILLS, CA 92653

Site 3 of 5 in cluster A

HAZNET:

Year:	2003
Gepaid:	CAC002563669
Contact:	OSCAR DIAZ
Telephone:	9495817700
Mailing Name:	Not reported
Mailing Address:	24155 LAGUNA HILLS MALL STE 1223-7
Mailing City,St,Zip:	LAGUNA HILLS, CA 92653
Gen County:	Orange
TSD EPA ID:	CAT028409039
TSD County:	Orange

JC PENNEY INC (Continued) **S107140675**

Waste Category: Unspecified oil-containing waste
Disposal Method: Treatment, Tank
Tons: 4.17
Facility County: Orange

A4 Target Property **KITS CAMERA #29** **HAZNET** **S103973561**
24155 LAGUNA HILLS MALL **N/A**
LAGUNA HILLS, CA 92653

Site 4 of 5 in cluster A

Actual: 355 ft.

HAZNET:
Year: 2010
Gepaid: CAC002656524
Contact: STAN MARSH
Telephone: 6263029711
Mailing Name: Not reported
Mailing Address: 2244 WALNUT GROVE AVE
Mailing City,St,Zip: ROSEMEAD, CA 91770
Gen County: Not reported
TSD EPA ID: CAD050806850
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 2.128
Facility County: Orange

Year: 2008
Gepaid: CAC002629431
Contact: STEVEN ROOT/X121
Telephone: 2127516300
Mailing Name: CHAINSTAR USA
Mailing Address: 200 VARICK ST
Mailing City,St,Zip: NEW YORK, NY 10014
Gen County: Orange
TSD EPA ID: TXD077603371
TSD County: 99
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.05
Facility County: Orange

Year: 1996
Gepaid: CAL000116155
Contact: RITZ CAMERA CENTERS INC
Telephone: 3014190000
Mailing Name: Not reported
Mailing Address: 6711 RITZ WAY
Mailing City,St,Zip: BELTSVILLE, MD 207051318
Gen County: Orange
TSD EPA ID: CAT000613976
TSD County: Orange
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Tons: .0864
Facility County: Orange

KITS CAMERA #29 (Continued) **S103973561**

Year:	1995
Gepaid:	CAL000116155
Contact:	RITZ CAMERA CENTERS INC
Telephone:	3014190000
Mailing Name:	Not reported
Mailing Address:	6711 RITZ WAY
Mailing City,St,Zip:	BELTSVILLE, MD 207051318
Gen County:	Orange
TSD EPA ID:	CAT000613976
TSD County:	Orange
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Transfer Station
Tons:	.0208
Facility County:	Orange

Year:	1995
Gepaid:	CAL000116155
Contact:	RITZ CAMERA CENTERS INC
Telephone:	3014190000
Mailing Name:	Not reported
Mailing Address:	6711 RITZ WAY
Mailing City,St,Zip:	BELTSVILLE, MD 207051318
Gen County:	Orange
TSD EPA ID:	CAD070148432
TSD County:	1
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Treatment, Incineration
Tons:	.0417
Facility County:	Orange

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

A5
Target
Property

JC PENNEY INC **HAZNET** **S108210067**
24155 LAGUNA HILLS MALL **N/A**
LAGUNA HILLS, CA 92653

Site 5 of 5 in cluster A

Actual:
355 ft.

HAZNET:

Year:	2004
Gepaid:	CAC002574811
Contact:	PRICE BAYLOR
Telephone:	9495817700
Mailing Name:	Not reported
Mailing Address:	PO BOX 660104
Mailing City,St,Zip:	DALLAS, TX 75266
Gen County:	Orange
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Transfer Station
Tons:	3.2
Facility County:	Not reported

B6 **EDR US Hist Auto Stat** **1015356328**
N/A

< 1/8
1 ft.

24196 LAGUNA HILLS MALL
LAGUNA HILLS, CA 92653

Site 1 of 10 in cluster B

Relative:
Higher

Actual:
359 ft.

EDR Historical Auto Stations:

Name:	FIRESTONE TIRE & SRVC CNTR LGN
Year:	2003
Address:	24196 LAGUNA HILLS MALL
Name:	FIRE STONE TIRE & SERVICE CTR
Year:	2004
Address:	24196 LAGUNA HILLS MALL
Name:	FIRESTONE TIRE & SERVICE CENTERS
Year:	2007
Address:	24196 LAGUNA HILLS MALL
Name:	FIRESTONE COMPLETE CAR CARE
Year:	2012
Address:	24196 LAGUNA HILLS MALL

B7 **TIME O MAX 1 HOUR PHOTO** **RCRA-SQG** **1000197785**
24199 LAGUNA HILLS MALL **CAD982035255**

< 1/8
1 ft.

LAGUNA HILLS, CA 92653

Site 2 of 10 in cluster B

Relative:
Higher

Actual:
360 ft.

RCRA-SQG:

Date form received by agency:	09/18/1987
Facility name:	TIME O MAX 1 HOUR PHOTO
Facility address:	24199 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653
EPA ID:	CAD982035255
Mailing address:	LAGUNA HILLS MALL LAGUNA HILLS, CA 92653
Contact:	ENVIRONMENTAL MANAGER
Contact address:	24199 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653
Contact country:	US
Contact telephone:	(714) 380-9732
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	PHILLIP SHIN
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner

TIME O MAX 1 HOUR PHOTO (Continued) **1000197785**

Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

B8 **TIME-O-MAX 1 HR PHOTO** **RCRA-SQG** **1000199764**
24199 LAGUNA HILLS MALL **FINDS** **CAD981453343**
< 1/8 **LAGUNA HILLS, CA 92653**
1 ft.

Site 3 of 10 in cluster B

Relative: Higher

Actual: 360 ft.

RCRA-SQG:

Date form received by agency:	03/18/1986
Facility name:	TIME-O-MAX 1 HR PHOTO
Facility address:	24199 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653
EPA ID:	CAD981453343
Mailing address:	LAGUNA HILLS MALL LAGUNA HILLS, CA 92653
Contact:	ENVIRONMENTAL MANAGER
Contact address:	24199 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653
Contact country:	US
Contact telephone:	(714) 380-9732
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

TIME-O-MAX 1 HR PHOTO (Continued) **1000199764**

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	PHILLIP SHIN
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110009542888

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

B9 **THE TIRE STATION** **UST** **U003783043**
24196 LAGUNA HILLS MALL **N/A**
< 1/8 **LAGUNA HILLS, CA 92653**
1 ft.

Site 4 of 10 in cluster B

Relative:
Higher

Actual:
359 ft.

UST:
Facility ID: 4838
Latitude: 33.61233
Longitude: -117.70984

B10 **FIRESTONE STORE #27FF** **CA FID UST** **1000222921**
24196 LAGUNA HILLS MALL **HIST UST** **N/A**
< 1/8 **LAGUNA HILLS, CA 92653**
1 ft.

Site 5 of 10 in cluster B

Relative:
Higher

Actual:
359 ft.

CA FID UST:
Facility ID: 30007371
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7145814700
Mail To: Not reported
Mailing Address: 1200 FIRESTONE PKY
Mailing Address 2: Not reported
Mailing City,St,Zip: LAGUNA HILLS 92653
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST UST:
Region: STATE
Facility ID: 00000031872
Facility Type: Other
Other Type: AUTO SERVICE CENTER
Total Tanks: 0001
Contact Name: CARL PETERSEN
Telephone: 7145814700
Owner Name: FIRESTONE TIRE & RUBBER CO
Owner Address: 1200 FIRESTONE PARKWAY
Owner City,St,Zip: AKRON, OH 44317

Tank Num: 001
Container Num: 1
Year Installed: 1975
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: None

B11 **EDR US Hist Auto Stat** **1015357540**
N/A

24300 LAGUNA HILLS MALL
< 1/8 **LAGUNA HILLS, CA 92653**
1 ft.

Site 6 of 10 in cluster B

Relative:
Higher

Actual:
360 ft.

EDR Historical Auto Stations:

Name:	SEARS AUTO CTR
Year:	2010
Address:	24300 LAGUNA HILLS MALL
Name:	SEARS AUTO CENTER
Year:	2011
Address:	24300 LAGUNA HILLS MALL

B12 **SEARS #6788/1548** **RCRA-LQG** **1000369398**
24300 LAGUNA HILLS MALL **FINDS** **CAD126622760**
< 1/8 **LAGUNA HILLS, CA 92653** **HIST UST**
1 ft. **HAZNET**

Site 7 of 10 in cluster B

Relative:
Higher

Actual:
360 ft.

RCRA-LQG:

Date form received by agency:	04/30/2010
Facility name:	SEARS #6788/1548
Facility address:	24300 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653
EPA ID:	CAD126622760
Mailing address:	BEVERLY ROAD B5-362A HOFFMAN ESTATES, IL 60179
Contact:	MICHAEL OLSEN
Contact address:	BEVERLY ROAD B5-362A HOFFMAN ESTATES, IL 60179
Contact country:	Not reported
Contact telephone:	(847) 286-7222
Contact email:	MICHAEL.OLSEN@SEARSHC.COM
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	SEARS
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private

SEARS #6788/1548 (Continued) **1000369398**

Owner/Operator Type: Operator
Owner/Op start date: 04/11/1973
Owner/Op end date: Not reported

Owner/operator name: SEARS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: KMART CORPORATION
Owner/operator address: BEVERLY ROAD B5-362A
HOFFMAN ESTATES, IL 60179
Owner/operator country: Not reported
Owner/operator telephone: (847) 286-7222
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/11/1973
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

SEARS #6788/1548 (Continued) **1000369398**

Historical Generators:

Date form received by agency: 09/01/1996
Facility name: SEARS #6788/1548
Site name: SEARS- LAGUNA HILLS
Classification: Small Quantity Generator

Date form received by agency: 02/29/1996
Facility name: SEARS #6788/1548
Site name: SEARS UNIT # 1548 AND 8278
Classification: Large Quantity Generator

Date form received by agency: 10/09/1985
Facility name: SEARS #6788/1548
Site name: SEARS- LAGUNA HILLS
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Waste code: D018
Waste name: BENZENE

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

SEARS #6788/1548 (Continued) **1000369398**

Waste code: P051
Waste name: 2,7:3,6-DIMETHANONAPHTH [2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,2BETA,2ABETA,3ALPHA,6ALPHA,6ABETA,7BETA, 7AALPHA)-, & METABOLITES

Waste code: P123
Waste name: TOXAPHENE

Waste code: U002
Waste name: ACETONE (I)

Waste code: U036
Waste name: CHLORDANE, ALPHA & GAMMA ISOMERS

Waste code: U070
Waste name: BENZENE, 1,2-DICHLORO-

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 758.5

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 20

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 150

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 42

Waste code: D039
Waste name: TETRACHLOROETHYLENE
Amount (Lbs): 141.1

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE,

SEARS #6788/1548 (Continued) **1000369398**

1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 100

Waste code: P051
Waste name: 2,7:3,6-DIMETHANONAPHTH [2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,2BETA,2ABETA,3ALPHA,6ALPHA,6ABETA,7BETA, 7AALPHA)-, & METABOLITES
Amount (Lbs): 100

Waste code: P123
Waste name: TOXAPHENE
Amount (Lbs): 100

Waste code: U036
Waste name: CHLORDANE, ALPHA & GAMMA ISOMERS
Amount (Lbs): 100

Waste code: U070
Waste name: BENZENE, 1,2-DICHLORO-
Amount (Lbs): 100

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 03/30/1992
Date achieved compliance: 03/16/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Evaluation Action Summary:
Evaluation date: 03/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 03/30/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/16/1994
Evaluation lead agency: State Contractor/Grantee

SEARS #6788/1548 (Continued) **1000369398**

FINDS:

Registry ID: 110000851070

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

HIST UST:

Region:	STATE
Facility ID:	00000021555
Facility Type:	Other
Other Type:	RETAIL SALES
Total Tanks:	0001
Contact Name:	JOHN REESE
Telephone:	7145861100
Owner Name:	SEARS, ROEBUCK & CO.
Owner Address:	24300 LAUGNA HILLS MALL
Owner City,St,Zip:	LAGUNA HILLS, CA 92653
Tank Num:	001
Container Num:	1
Year Installed:	1973
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Tank Construction:	Not reported
Leak Detection:	None

HAZNET:

Year:	2011
Gepaid:	CAD126622760
Contact:	MICHAEL OLSEN-DIR ENV AFFAIRS
Telephone:	8472867222
Mailing Name:	Not reported
Mailing Address:	3333 BEVERLY RD B5-362A
Mailing City,St,Zip:	HOFFMAN ESTATES, IL 601790000
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.025

SEARS #6788/1548 (Continued) **1000369398**

Facility County: Orange

Year: 2011
Gepaid: CAD126622760
Contact: MICHAEL OLSEN-DIR ENV AFFAIRS
Telephone: 8472867222
Mailing Name: Not reported
Mailing Address: 3333 BEVERLY RD B5-362A
Mailing City,St,Zip: HOFFMAN ESTATES, IL 601790000
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.1
Facility County: Orange

Year: 2011
Gepaid: CAD126622760
Contact: MICHAEL OLSEN-DIR ENV AFFAIRS
Telephone: 8472867222
Mailing Name: Not reported
Mailing Address: 3333 BEVERLY RD B5-362A
Mailing City,St,Zip: HOFFMAN ESTATES, IL 601790000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Oil/water separation sludge
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 6.0465
Facility County: Orange

Year: 2011
Gepaid: CAD126622760
Contact: MICHAEL OLSEN-DIR ENV AFFAIRS
Telephone: 8472867222
Mailing Name: Not reported
Mailing Address: 3333 BEVERLY RD B5-362A
Mailing City,St,Zip: HOFFMAN ESTATES, IL 601790000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0168
Facility County: Orange

Year: 2011
Gepaid: CAD126622760
Contact: MICHAEL OLSEN-DIR ENV AFFAIRS
Telephone: 8472867222
Mailing Name: Not reported
Mailing Address: 3333 BEVERLY RD B5-362A
Mailing City,St,Zip: HOFFMAN ESTATES, IL 601790000

SEARS #6788/1548 (Continued) **1000369398**

Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.063
Facility County: Orange

Click this hyperlink while viewing on your computer to access
38 additional CA_HAZNET: record(s) in the EDR Site Report.

B13 **FIRESTONE STORE #27FF** **SWEEPS UST** **S106926228**
24196 LAGUNA HILLS MALL A **N/A**
< 1/8 **LAGUNA HILLS, CA 92653**
1 ft.

Site 8 of 10 in cluster B

Relative: Higher
Actual: 359 ft.

SWEEPS UST:
Status: A
Comp Number: 4838
Number: 9
Board Of Equalization: 44-016279
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-004838-000001
Actv Date: Not reported
Capacity: 550
Tank Use: PETROLEUM
Stg: P
Content: Not reported
Number Of Tanks: 1

B14 **BROADWAY TIRE CENTER #9377** **HIST UST** **U001577398**
24099 LAGUNA HILLS MALL **HAZNET** **N/A**
< 1/8 **LAGUNA HILLS, CA 92653**
1 ft.

Site 9 of 10 in cluster B

Relative: Higher
Actual: 359 ft.

HIST UST:
Region: STATE
Facility ID: 00000008237
Facility Type: Other
Other Type: RETAIL TIRE & SERVIC
Total Tanks: 0001
Contact Name: GREG LINN
Telephone: 7145867630
Owner Name: BROADWAY
Owner Address: MISSION RD
Owner City,St,Zip: LOS ANGELES, CA

Tank Num: 001
Container Num: #1

BROADWAY TIRE CENTER #9377 (Continued) **U001577398**

Year Installed:	Not reported
Tank Capacity:	00000100
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Tank Construction:	Not reported
Leak Detection:	Visual

HAZNET:

Year:	2009
Gepaid:	CAL000120381
Contact:	MATTHEW MCCLELLAN
Telephone:	3307960339
Mailing Name:	Not reported
Mailing Address:	1144 E MARKET ST
Mailing City,St,Zip:	AKRON, OH 443161000
Gen County:	Orange
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Oil/water separation sludge
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	4.17
Facility County:	Orange

Year:	2004
Gepaid:	CAL000120381
Contact:	DARRYL L MOYER/RETAIL SYSTEMS
Telephone:	3307966240
Mailing Name:	Not reported
Mailing Address:	1144 E MARKET ST
Mailing City,St,Zip:	AKRON, OH 443161000
Gen County:	Orange
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Oil/water separation sludge
Disposal Method:	Recycler
Tons:	3.73
Facility County:	Not reported

Year:	2003
Gepaid:	CAL000120381
Contact:	DARRYL L MOYER/RETAIL SYSTEMS
Telephone:	3307966240
Mailing Name:	Not reported
Mailing Address:	1144 E MARKET ST
Mailing City,St,Zip:	AKRON, OH 443161000
Gen County:	Orange
TSD EPA ID:	CAT000613893
TSD County:	Orange
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	0.02
Facility County:	Orange

B15 **AST** **A100336894**
N/A

24300 LAGUNA HILLS
LAGUNA HILLS, CA 92653

< 1/8
1 ft.

Site 10 of 10 in cluster B

Relative:
Higher

Actual:
360 ft.

AST:

Owner:	SEARS #1548/6788/8278
Total Gallons:	1,320
Certified Unified Program Agencies:	Orange

C16 **UNION OIL SERV. STATION #5408** **HIST UST** **U001577389**
WNW **24082 EL TORO RD** **N/A**
< 1/8 **LAGUNA HILLS, CA 92651**
0.004 mi.
19 ft. **Site 1 of 12 in cluster C**

Relative:
Higher

Actual:
367 ft.

HIST UST:

Region:	STATE
Facility ID:	00000020047
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0003
Contact Name:	GILBERT ORR
Telephone:	7148372361
Owner Name:	UNION OIL CO. OF CALIF.
Owner Address:	123 CAMINO DELA REINA
Owner City,St,Zip:	SAN DIEGO, CA 92108
Tank Num:	001
Container Num:	5408-34
Year Installed:	1965
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Tank Construction:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	5408-22
Year Installed:	1965
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Tank Construction:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	003
Container Num:	5408-11
Year Installed:	1965
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	Stock Inventor

C17 WNW < 1/8 0.004 mi. 19 ft. | **UNOCAL #5408**
24082 EL TORO RD
LAGUNA HILLS, CA 92653

Site 2 of 12 in cluster C

SWEEPS UST | **U003981955**
N/A

Relative: Higher

Actual: 367 ft.

SWEEPS UST:

Status:	A
Comp Number:	2185
Number:	9
Board Of Equalization:	44-001057
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002185-000001
Actv Date:	Not reported
Capacity:	500
Tank Use:	PETROLEUM
Stg:	P
Content:	Not reported
Number Of Tanks:	3

Status:	A
Comp Number:	2185
Number:	9
Board Of Equalization:	44-001057
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002185-000004
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	2185
Number:	9
Board Of Equalization:	44-001057
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002185-000005
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	Not reported

C18 WNW < 1/8 0.004 mi. 19 ft. | **UNOCAL 24082 EL TORO RD LAGUNA HILLS, CA 92653** | **LUST HAZNET** | **S103992044 N/A**

Site 3 of 12 in cluster C

Relative: Higher

Actual: 367 ft.

LUST:

Region:	STATE
Global Id:	T0605901215
Latitude:	33.612451311
Longitude:	-117.712727814
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	01/18/2007
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	KL
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083001599T
LOC Case Number:	90UT056
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0605901215
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN LAMBERT
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E DYER ROAD SUITE 120
City:	SANTA ANA
Email:	klambert@ochca.com
Phone Number:	7144336261

Global Id:	T0605901215
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0605901215
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Soil Vapor Extraction (SVE)

Global Id:	T0605901215
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	In Situ Physical/Chemical Treatment (other than SVE)

Global Id:	T0605901215
Action Type:	Other
Date:	01/01/1950

UNOCAL (Continued) **S103992044**

Action: Leak Reported

Global Id: T0605901215
Action Type: ENFORCEMENT
Date: 08/09/2004
Action: Staff Letter

Global Id: T0605901215
Action Type: ENFORCEMENT
Date: 01/18/2007
Action: Closure/No Further Action Letter

Global Id: T0605901215
Action Type: ENFORCEMENT
Date: 03/15/1990
Action: * Corrective Action Orders

Global Id: T0605901215
Action Type: ENFORCEMENT
Date: 03/15/1990
Action: Notice of Responsibility

Global Id: T0605901215
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 90UT056
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 01/18/2007
Case Type: Other Ground Water
Record ID: RO0002248

HAZNET:
Year: 2003
Gepaid: CAL000135585
Contact: HAZMAT SPECIALIST
Telephone: 6027284180
Mailing Name: Not reported
Mailing Address: PO BOX 52085
Mailing City,St,Zip: PHOENIX, AZ 850722085
Gen County: Orange
TSD EPA ID: CAD028409019
TSD County: Orange
Waste Category: Waste oil and mixed oil
Disposal Method: Treatment, Tank
Tons: 0.13
Facility County: Orange

Year: 2003
Gepaid: CAL000135585
Contact: HAZMAT SPECIALIST

UNOCAL (Continued) **S103992044**

Telephone:	6027284180
Mailing Name:	Not reported
Mailing Address:	PO BOX 52085
Mailing City,St,Zip:	PHOENIX, AZ 850722085
Gen County:	Orange
TSD EPA ID:	CAD028409019
TSD County:	Orange
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Treatment, Tank
Tons:	0.31
Facility County:	Orange

Year:	2003
Gepaid:	CAL000135585
Contact:	HAZMAT SPECIALIST
Telephone:	6027284180
Mailing Name:	Not reported
Mailing Address:	PO BOX 52085
Mailing City,St,Zip:	PHOENIX, AZ 850722085
Gen County:	Orange
TSD EPA ID:	CAD028409019
TSD County:	Orange
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	0.4
Facility County:	Orange

Year:	2001
Gepaid:	CAL000135585
Contact:	HAZMAT SPECIALIST
Telephone:	6027284180
Mailing Name:	Not reported
Mailing Address:	PO BOX 52085
Mailing City,St,Zip:	PHOENIX, AZ 850722085
Gen County:	Orange
TSD EPA ID:	Not reported
TSD County:	Los Angeles
Waste Category:	Unspecified aqueous solution
Disposal Method:	Transfer Station
Tons:	0.22
Facility County:	Not reported

Year:	2000
Gepaid:	CAL000135585
Contact:	TOSCO MARKETING
Telephone:	6027284180
Mailing Name:	Not reported
Mailing Address:	P O BOX 52085
Mailing City,St,Zip:	PHOENIX, AZ 850722085
Gen County:	Orange
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Recycler
Tons:	.0417
Facility County:	Orange

UNOCAL (Continued) **S103992044**

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

C19
WNW
< 1/8
0.004 mi.
19 ft.

LAGUNA HILLS CIRCLE K **UST** **U003913404**
24082 EL TORO RD **N/A**
LAGUNA HILLS, CA 92653

Site 4 of 12 in cluster C

Relative:
Higher

Actual:
367 ft.

UST:
Facility ID: 2185
Latitude: 33.61256
Longitude: -117.71214

ORANGE CO. UST:
Facility ID: FA0060505

C20
WNW
< 1/8
0.004 mi.
19 ft.

UNOCAL #5408 **HIST CORTESE** **S101631407**
24082 EL TORO RD **CA FID UST** **N/A**
LAGUNA HILLS, CA 92653

Site 5 of 12 in cluster C

Relative:
Higher

Actual:
367 ft.

CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083001599T

CA FID UST:
Facility ID: 30001059
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7148372360
Mail To: Not reported
Mailing Address: 911 WILSHIRE BLVD STE 10
Mailing Address 2: Not reported
Mailing City,St,Zip: LAGUNA HILLS 92653
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

C21 WNW < 1/8 0.004 mi. 19 ft. | **UNOCAL SERVICE STATION #5408**
24082 EL TORO RD
LAGUNA HILLS, CA 92653

Site 6 of 12 in cluster C

LUST **S106176646**
HAZNET **N/A**

Relative: Higher

Actual: 367 ft.

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Post remedial action monitoring
Case Number:	083001599T
Local Case Num:	90UT056
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	SA
How Stopped:	Other Means
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901215
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Review Date:	Not reported
Prelim Assess:	Not reported
Discover Date:	8/23/1989
Enforcement Date:	Not reported
Close Date:	Not reported
Workplan:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	10/1/1999
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.612696
Longitude:	-117.7120806
MTBE Date:	5/16/2002
Max MTBE GW:	4700
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	NOM
Staff Initials:	JS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN

UNOCAL SERVICE STATION #5408 (Continued) **S106176646**

Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

HAZNET:

Year: 2011
Gepaid: CAL000325769
Contact: ANDREA MUNOZ, COMPLIANCE MANAGER
Telephone: 7143754700
Mailing Name: Not reported
Mailing Address: 16868 A ST
Mailing City,St,Zip: HUNTINGTON BEACH, CA 926474831
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.075
Facility County: Orange

Year: 2008
Gepaid: CAL000325769
Contact: JIM SMITH
Telephone: 7144756322
Mailing Name: Not reported
Mailing Address: 16868 A ST
Mailing City,St,Zip: HUNTINGTON BEACH, CA 926474831
Gen County: Orange
TSD EPA ID: CAD981696420
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0504
Facility County: Orange

Year: 2008
Gepaid: CAL000325769
Contact: JIM SMITH
Telephone: 7144756322
Mailing Name: Not reported
Mailing Address: 16868 A ST
Mailing City,St,Zip: HUNTINGTON BEACH, CA 926474831
Gen County: Orange
TSD EPA ID: CAD981696420
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.04
Facility County: Orange

Year: 2007
Gepaid: CAL000325769
Contact: JIM SMITH

UNOCAL SERVICE STATION #5408 (Continued) **S106176646**

Telephone:	7144756322
Mailing Name:	Not reported
Mailing Address:	16868 A ST
Mailing City,St,Zip:	HUNTINGTON BEACH, CA 926474831
Gen County:	Orange
TSD EPA ID:	CAD981696420
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.15
Facility County:	Orange

Year:	2003
Gepaid:	CAL000046550
Contact:	CHRISTOPHER Z HILL
Telephone:	7144286802
Mailing Name:	HAZMAT COMPL COORD, RM 9001
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Orange
TSD EPA ID:	CAT080033681
TSD County:	Orange
Waste Category:	Unspecified aqueous solution
Disposal Method:	Recycler
Tons:	2.98
Facility County:	Orange

Click this hyperlink while viewing on your computer to access
11 additional CA_HAZNET: record(s) in the EDR Site Report.

C22 **STATION #5408** **HIST UST** **U001577386**
WNW **24082 EL TORO RD** **N/A**
< 1/8 **LAGUNA HILLS, CA 92651**
0.004 mi.
19 ft. **Site 7 of 12 in cluster C**

Relative:
Higher

Actual:
367 ft.

HIST UST:

Region:	STATE
Facility ID:	00000043709
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0001
Contact Name:	GILBERT N. ORR
Telephone:	7148372361
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	1450 FRAZEE ROAD
Owner City,St,Zip:	SAN DIEGO, CA 92108

Tank Num:	001
Container Num:	5408-00
Year Installed:	1965
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Tank Construction:	6 inches
Leak Detection:	Visual

D23 SSW < 1/8 0.008 mi. 44 ft. | **SADDLEBACK OUTPATIENT X RAY**
24411 HEALTH CTR DR
LAGUNA HILLS, CA 92653 | **RCRA-SQG FINDS** | **1000597928 CAD983619636**

Site 1 of 2 in cluster D

Relative: Lower

Actual: 346 ft.

RCRA-SQG:

Date form received by agency:	02/21/1992
Facility name:	SADDLEBACK OUTPATIENT X RAY
Facility address:	24411 HEALTH CTR DR LAGUNA HILLS, CA 92653
EPA ID:	CAD983619636
Mailing address:	24451 HEALTH CTR DR LAGUNA HILLS, CA 92653
Contact:	DUANE NIELSON
Contact address:	24411 HEALTH CTR DR LAGUNA HILLS, CA 92653
Contact country:	US
Contact telephone:	(714) 770-3573
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	SADDLEBACK MEM MED CTR
Owner/operator address:	24451 HEALTH CTR DR LAGUNA HILLS, CA 92653
Owner/operator country:	Not reported
Owner/operator telephone:	(714) 837-4500
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

SADDLEBACK OUTPATIENT X RAY (Continued) **1000597928**

FINDS:

Registry ID: 110002869487

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

E24
NNW
< 1/8
0.022 mi.
117 ft.

TRANS-TECH RESOURCES INC.
23991 EL TORO ROAD
LAGUNA HILLS, CA 92653

CERC-NFRAP **1003879940**
CA0000305052

Site 1 of 14 in cluster E

Relative:
Higher

Actual:
370 ft.

CERC-NFRAP:
Site ID: 0905021
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: SI Start Needed

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13051899.00000
Person ID: 9271184.00000

Contact Sequence ID: 13287710.00000
Person ID: 13003854.00000

Contact Sequence ID: 13293305.00000
Person ID: 13003858.00000

Contact Sequence ID: 13299163.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 05/20/1994
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 02/23/1999
Date Completed: 06/29/1999
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 07/07/1999
Priority Level: Not reported

E25 NNW < 1/8 0.022 mi. 117 ft. | **WRIGHT OIL #9**
23991 EL TORO RD
LAGUNA HILLS, CA 92653

Site 2 of 14 in cluster E | **HIST UST** | **U001577413**
N/A

Relative: Higher

Actual: 370 ft.

HIST UST:

Region:	STATE
Facility ID:	00000043924
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0005
Contact Name:	A.S. SWAIN
Telephone:	7145867484
Owner Name:	WILLIAM AND BARBARA WRIGHT
Owner Address:	8681 N. MAGNOLIA
Owner City,St,Zip:	SANTEE, CA 92071
Tank Num:	001
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	002
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	003
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Tank Construction:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	004
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	005
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT

WRIGHT OIL #9 (Continued) **U001577413**

Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

E26
NNW
< 1/8
0.022 mi.
117 ft.

TEXACO **HIST UST** **U001577412**
23991 EL TORO RD **N/A**
LAGUNA HILLS, CA 92653

Site 3 of 14 in cluster E

Relative:
Higher

Actual:
370 ft.

HIST UST:
Region: STATE
Facility ID: 00000004509
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0018
Contact Name: Not reported
Telephone: 6194495140
Owner Name: EXPRESS GASOLINE
Owner Address: 8681 N MAGNOLIA AVE
Owner City,St,Zip: SANTEE, CA 92071

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor, Groundwater Monitoring Well

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor, Groundwater Monitoring Well

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor, Groundwater Monitoring Well

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor, Groundwater Monitoring Well

TEXACO (Continued) **U001577412**

Tank Num: 005
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor, Groundwater Monitoring Well, Pressure Test

Tank Num: 006
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 007
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 008
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 009
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 010
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 011
Container Num: 6
Year Installed: Not reported

TEXACO (Continued) **U001577412**

Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 012
Container Num: 7
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 013
Container Num: 8
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 014
Container Num: 9
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 015
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 016
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 017
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR

TEXACO (Continued) **U001577412**

Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 018
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

E27 **G & M OIL CO INC #40** **UST** **U003700373**
NNW **23991 EL TORO RD** **SWEEPS UST** **N/A**
< 1/8 **LAGUNA HILLS, CA 92653** **HAZNET**
0.022 mi.
117 ft. **Site 4 of 14 in cluster E**

Relative:
Higher

Actual:
370 ft.

UST:
Facility ID: 4836
Latitude: 33.61359
Longitude: -117.70927

ORANGE CO. UST:
Facility ID: FA0024216

SWEEPS UST:
Status: A
Comp Number: 4836
Number: 9
Board Of Equalization: Not reported
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-004836-000001
Actv Date: Not reported
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: 5

Status: A
Comp Number: 4836
Number: 9
Board Of Equalization: Not reported
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-004836-000002
Actv Date: Not reported
Capacity: 12000
Tank Use: M.V. FUEL

G & M OIL CO INC #40 (Continued) **U003700373**

Stg: P
Content: OTHER
Number Of Tanks: Not reported

Status: A
Comp Number: 4836
Number: 9
Board Of Equalization: Not reported
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-004836-000003
Actv Date: Not reported
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 4836
Number: 9
Board Of Equalization: Not reported
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-004836-000004
Actv Date: Not reported
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: A
Comp Number: 4836
Number: 9
Board Of Equalization: Not reported
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-004836-000005
Actv Date: Not reported
Capacity: 8000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

HAZNET:
Year: 2011

G & M OIL CO INC #40 (Continued) **U003700373**

Gepaid:	CAL000050339
Contact:	ANDREA MUNOZ, COMPLIANCE MANAGER
Telephone:	7143754700
Mailing Name:	Not reported
Mailing Address:	16868 A ST
Mailing City,St,Zip:	HUNTINGTON BEACH, CA 926474831
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Tank bottom waste
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	2.7105
Facility County:	Orange

Year:	2011
Gepaid:	CAL000050339
Contact:	ANDREA MUNOZ, COMPLIANCE MANAGER
Telephone:	7143754700
Mailing Name:	Not reported
Mailing Address:	16868 A ST
Mailing City,St,Zip:	HUNTINGTON BEACH, CA 926474831
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.175
Facility County:	Orange

Year:	2011
Gepaid:	CAL000050339
Contact:	ANDREA MUNOZ, COMPLIANCE MANAGER
Telephone:	7143754700
Mailing Name:	Not reported
Mailing Address:	16868 A ST
Mailing City,St,Zip:	HUNTINGTON BEACH, CA 926474831
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.079
Facility County:	Orange

Year:	2010
Gepaid:	CAL000050339
Contact:	ANDREA MUNOZ, COMPLIANCE MANAGER
Telephone:	7143754700
Mailing Name:	Not reported
Mailing Address:	16868 A ST
Mailing City,St,Zip:	HUNTINGTON BEACH, CA 926474831
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported

G & M OIL CO INC #40 (Continued) **U003700373**

Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.15
Facility County: Orange

Year: 2010
Gepaid: CAL000050339
Contact: ANDREA MUNOZ, COMPLIANCE MANAGER
Telephone: 7143754700
Mailing Name: Not reported
Mailing Address: 16868 A ST
Mailing City,St,Zip: HUNTINGTON BEACH, CA 926474831
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.2085
Facility County: Orange

Click this hyperlink while viewing on your computer to access
23 additional CA_HAZNET: record(s) in the EDR Site Report.

E28 **GW CLEANUP-L.HILLS,EL TORO RD** **HIST CORTESE** **S101299823**
NNW **23991 EL TORO** **LUST** **N/A**
< 1/8 **LAGUNA HILLS, CA 92654** **ENF**
0.022 mi. **HAZNET**
117 ft. **Site 5 of 14 in cluster E**

Relative:
Higher

Actual:
370 ft.

CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: WBC&D
Reg Id: 8 302505001

LUST:
Region: STATE
Global Id: T0605900466
Latitude: 33.613824
Longitude: -117.7088745
Case Type: LUST Cleanup Site
Status: Open - Remediation
Status Date: 06/18/2007
Lead Agency: SANTA ANA RWQCB (REGION 8)
Case Worker: NOM
Local Agency: Not reported
RB Case Number: 083000580T
LOC Case Number: 85UT052
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: .

Click here to access the California GeoTracker records for this facility:

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

LUST:

Global Id:	T0605900466
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0605900466
Action Type:	ENFORCEMENT
Date:	06/24/2003
Action:	Rescission of Enforcement Action
Global Id:	T0605900466
Action Type:	ENFORCEMENT
Date:	09/16/2003
Action:	* Verbal Communication
Global Id:	T0605900466
Action Type:	ENFORCEMENT
Date:	10/10/2003
Action:	* No Action
Global Id:	T0605900466
Action Type:	ENFORCEMENT
Date:	10/01/2006
Action:	Verbal Enforcement
Global Id:	T0605900466
Action Type:	ENFORCEMENT
Date:	06/22/2005
Action:	* Verbal Communication
Global Id:	T0605900466
Action Type:	ENFORCEMENT
Date:	10/07/2004
Action:	* No Action
Global Id:	T0605900466
Action Type:	ENFORCEMENT
Date:	08/02/2005
Action:	* Verbal Communication
Global Id:	T0605900466
Action Type:	RESPONSE
Date:	11/01/2010
Action:	Monitoring Report - Quarterly
Global Id:	T0605900466
Action Type:	RESPONSE
Date:	01/30/2003
Action:	NPDES / WDR Reports

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Global Id: T0605900466
Action Type: RESPONSE
Date: 09/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 11/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: REMEDIATION
Date: 01/01/1950
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605900466
Action Type: RESPONSE
Date: 08/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 06/28/2010
Action: Other Report / Document

Global Id: T0605900466
Action Type: RESPONSE
Date: 06/01/2012
Action: Verbal Communication

Global Id: T0605900466
Action Type: RESPONSE
Date: 03/30/2005
Action: NPDES / WDR Reports

Global Id: T0605900466
Action Type: RESPONSE
Date: 08/10/2012
Action: Verbal Communication

Global Id: T0605900466
Action Type: RESPONSE
Date: 08/10/2012
Action: Correspondence

Global Id: T0605900466
Action Type: RESPONSE
Date: 08/10/2012
Action: Verbal Communication

Global Id: T0605900466
Action Type: RESPONSE
Date: 07/30/2010
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Date: 07/31/2006
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 09/03/2008
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 10/01/2007
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 02/08/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 06/23/2005
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 05/11/2005
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 05/12/2005
Action: File review

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 07/03/2007
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 07/21/2010
Action: Meeting

Global Id: T0605900466
Action Type: RESPONSE
Date: 06/18/2007
Action: Remedial Progress Report

Global Id: T0605900466
Action Type: REMEDIATION
Date: 01/01/1950
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605900466
Action Type: REMEDIATION
Date: 01/01/1950
Action: In Situ Physical/Chemical Treatment (other than SVE)

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Global Id: T0605900466
Action Type: RESPONSE
Date: 04/30/2004
Action: Remedial Progress Report

Global Id: T0605900466
Action Type: RESPONSE
Date: 12/30/2004
Action: NPDES / WDR Reports

Global Id: T0605900466
Action Type: RESPONSE
Date: 02/11/2005
Action: Soil and Water Investigation Workplan

Global Id: T0605900466
Action Type: RESPONSE
Date: 08/05/2011
Action: Other Report / Document

Global Id: T0605900466
Action Type: RESPONSE
Date: 08/05/2011
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 11/30/2011
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 12/13/2011
Action: Verbal Communication

Global Id: T0605900466
Action Type: RESPONSE
Date: 12/14/2011
Action: Correspondence

Global Id: T0605900466
Action Type: RESPONSE
Date: 11/18/2011
Action: Correspondence

Global Id: T0605900466
Action Type: RESPONSE
Date: 06/28/2005
Action: Other Report / Document

Global Id: T0605900466
Action Type: RESPONSE
Date: 02/16/2010
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Date: 01/25/2010
Action: Correspondence

Global Id: T0605900466
Action Type: RESPONSE
Date: 10/01/2009
Action: Well Destruction Report

Global Id: T0605900466
Action Type: RESPONSE
Date: 11/09/2009
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 07/30/2008
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 02/25/2011
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 07/01/2009
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 03/03/2006
Action: Rescission of Enforcement Action

Global Id: T0605900466
Action Type: RESPONSE
Date: 03/30/2011
Action: Correspondence

Global Id: T0605900466
Action Type: RESPONSE
Date: 04/08/2011
Action: Correspondence

Global Id: T0605900466
Action Type: RESPONSE
Date: 03/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 06/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 12/28/2006
Action: Technical Correspondence / Assistance / Other

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 06/28/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 08/15/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 06/25/2008
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 03/26/2012
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 12/03/2003
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 04/16/2004
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 12/20/2004
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 05/27/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 03/28/2003
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 05/16/2003
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 03/21/2002
Action: Site Visit / Inspection / Sampling

Global Id: T0605900466
Action Type: ENFORCEMENT

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Date: 03/20/2003
Action: * No Action

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 03/22/2004
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 03/14/2004
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 04/20/2004
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 11/06/2003
Action: * No Action

Global Id: T0605900466
Action Type: RESPONSE
Date: 05/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: REMEDIATION
Date: 01/01/1950
Action: Soil Vapor Extraction (SVE)

Global Id: T0605900466
Action Type: RESPONSE
Date: 02/15/2009
Action: Soil and Water Investigation Report

Global Id: T0605900466
Action Type: RESPONSE
Date: 12/06/2011
Action: Correspondence

Global Id: T0605900466
Action Type: RESPONSE
Date: 07/16/2010
Action: Verbal Communication

Global Id: T0605900466
Action Type: RESPONSE
Date: 05/03/2010
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 07/16/2010
Action: Verbal Communication

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Global Id: T0605900466
Action Type: RESPONSE
Date: 07/20/2005
Action: Other Report / Document

Global Id: T0605900466
Action Type: RESPONSE
Date: 11/30/2006
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 03/30/2006
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 11/22/2006
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 12/03/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 06/29/2001
Action: Site Visit / Inspection / Sampling

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 09/28/2005
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 06/28/2005
Action: Meeting

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 07/01/2005
Action: * No Action

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 04/01/2005
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 03/25/2005
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Date: 02/24/2005
Action: * No Action

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 03/07/2007
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 04/19/2005
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 04/22/2005
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 09/09/2005
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 09/07/2005
Action: * No Action

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 08/30/2006
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900466
Action Type: RESPONSE
Date: 07/08/2008
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 09/11/2008
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T0605900466
Action Type: RESPONSE
Date: 10/26/2004
Action: Other Report / Document

Global Id: T0605900466
Action Type: RESPONSE
Date: 04/30/2003
Action: Tank Removal Report / UST Sampling Report

Global Id: T0605900466
Action Type: RESPONSE
Date: 09/15/2003
Action: Soil and Water Investigation Workplan

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Global Id: T0605900466
Action Type: RESPONSE
Date: 06/30/2003
Action: NPDES / WDR Reports

Global Id: T0605900466
Action Type: RESPONSE
Date: 01/30/2004
Action: Remedial Progress Report

Global Id: T0605900466
Action Type: RESPONSE
Date: 12/22/2011
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 03/30/2012
Action: Verbal Communication

Global Id: T0605900466
Action Type: RESPONSE
Date: 09/04/2008
Action: Verbal Communication

Global Id: T0605900466
Action Type: RESPONSE
Date: 09/10/2008
Action: Corrective Action Plan / Remedial Action Plan - Addendum

Global Id: T0605900466
Action Type: RESPONSE
Date: 06/28/2005
Action: Soil and Water Investigation Report

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 03/18/2009
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 06/09/2006
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 05/11/2011
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 03/17/2010
Action: Staff Letter

Global Id: T0605900466
Action Type: RESPONSE

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Date: 03/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 08/30/2003
Action: NPDES / WDR Reports

Global Id: T0605900466
Action Type: RESPONSE
Date: 01/31/2011
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 03/16/2011
Action: Correspondence

Global Id: T0605900466
Action Type: REMEDIATION
Date: 01/01/1950
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605900466
Action Type: RESPONSE
Date: 05/05/2004
Action: Other Report / Document

Global Id: T0605900466
Action Type: RESPONSE
Date: 08/01/2008
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T0605900466
Action Type: RESPONSE
Date: 10/06/2008
Action: Verbal Communication

Global Id: T0605900466
Action Type: RESPONSE
Date: 02/03/2009
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 08/26/2009
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 03/28/2012
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 03/30/2012
Action: Correspondence

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Global Id: T0605900466
Action Type: RESPONSE
Date: 06/25/2012
Action: Well Installation Report

Global Id: T0605900466
Action Type: RESPONSE
Date: 04/04/2012
Action: Correspondence

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 05/11/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 08/18/2002
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 03/28/2003
Action: File review

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 05/06/2003
Action: * No Action

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 10/24/2003
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 04/01/2004
Action: * No Action

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 09/16/2004
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 11/10/2003
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 07/15/2004
Action: Meeting

Global Id: T0605900466
Action Type: ENFORCEMENT

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Date: 07/20/2005
Action: * No Action

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 03/29/2005
Action: * No Action

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 03/04/2005
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 12/15/2004
Action: * No Action

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 06/02/2005
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 12/28/2004
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 01/20/2004
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 07/29/2004
Action: * No Action

Global Id: T0605900466
Action Type: RESPONSE
Date: 02/16/2004
Action: Soil and Water Investigation Report

Global Id: T0605900466
Action Type: RESPONSE
Date: 12/30/2004
Action: NPDES / WDR Reports

Global Id: T0605900466
Action Type: RESPONSE
Date: 10/26/2004
Action: Soil and Water Investigation Workplan

Global Id: T0605900466
Action Type: REMEDIATION
Date: 01/01/1950
Action: Soil Vapor Extraction (SVE)

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Global Id: T0605900466
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0605900466
Action Type: RESPONSE
Date: 03/05/2012
Action: Tank Removal Report / UST Sampling Report

Global Id: T0605900466
Action Type: RESPONSE
Date: 08/14/2006
Action: Unknown

Global Id: T0605900466
Action Type: RESPONSE
Date: 09/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 09/22/2009
Action: Correspondence

Global Id: T0605900466
Action Type: RESPONSE
Date: 08/10/2009
Action: Other Report / Document

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 07/26/2005
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 10/27/2005
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 08/24/2005
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 08/25/2005
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 05/18/2006
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Date: 11/14/2006
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 08/19/2009
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 08/09/2006
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 03/21/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 06/03/2003
Action: * Mandatory Minimum Penalty

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 05/06/2003
Action: Site Visit / Inspection / Sampling

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 10/26/2004
Action: Meeting

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 09/07/2004
Action: Meeting

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 02/25/2005
Action: * No Action

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 12/12/2004
Action: * Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 05/14/2004
Action: * No Action

Global Id: T0605900466
Action Type: RESPONSE
Date: 02/28/2007
Action: Monitoring Report - Quarterly

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Global Id: T0605900466
Action Type: RESPONSE
Date: 08/10/2009
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 03/30/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0605900466
Action Type: RESPONSE
Date: 09/30/2010
Action: Correspondence

Global Id: T0605900466
Action Type: RESPONSE
Date: 05/09/2011
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 05/25/2011
Action: Other Report / Document

Global Id: T0605900466
Action Type: RESPONSE
Date: 10/28/2011
Action: Correspondence

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 04/01/2003
Action: * Verbal Communication

Global Id: T0605900466
Action Type: RESPONSE
Date: 03/23/2005
Action: Other Report / Document

Global Id: T0605900466
Action Type: RESPONSE
Date: 10/30/2004
Action: NPDES / WDR Reports

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 05/30/2008
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 11/10/1988
Action: Clean-up and Abatement Order

Global Id: T0605900466
Action Type: RESPONSE

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Date: 05/01/2006
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 09/10/2008
Action: Soil and Water Investigation Workplan

Global Id: T0605900466
Action Type: RESPONSE
Date: 06/08/2009
Action: Correspondence

Global Id: T0605900466
Action Type: RESPONSE
Date: 11/18/2008
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 07/15/2009
Action: Other Report / Document

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 03/01/2005
Action: Staff Letter

Global Id: T0605900466
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0605900466
Action Type: RESPONSE
Date: 07/30/2010
Action: Other Report / Document

Global Id: T0605900466
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

Global Id: T0605900466
Action Type: RESPONSE
Date: 02/28/2007
Action: Remedial Progress Report

Global Id: T0605900466
Action Type: RESPONSE
Date: 03/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 06/30/2007
Action: Monitoring Report - Quarterly

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Global Id: T0605900466
Action Type: RESPONSE
Date: 06/27/2008
Action: Other Report / Document

Global Id: T0605900466
Action Type: RESPONSE
Date: 06/28/2011
Action: Correspondence

Global Id: T0605900466
Action Type: RESPONSE
Date: 05/30/2012
Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 05/08/2009
Action: Staff Letter

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 08/17/2005
Action: Notice of Responsibility

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 01/10/1986
Action: * Historical Enforcement

Global Id: T0605900466
Action Type: RESPONSE
Date: 07/30/2004
Action: NPDES / WDR Reports

Global Id: T0605900466
Action Type: RESPONSE
Date: 07/13/2011
Action: Well Destruction Report

Global Id: T0605900466
Action Type: RESPONSE
Date: 02/16/2004
Action: Other Report / Document

Global Id: T0605900466
Action Type: RESPONSE
Date: 08/30/2003
Action: NPDES / WDR Reports

Global Id: T0605900466
Action Type: RESPONSE
Date: 09/30/2003
Action: Remedial Progress Report

Global Id: T0605900466
Action Type: ENFORCEMENT

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Date:	10/31/2008
Action:	Staff Letter - #10/31/2008
Global Id:	T0605900466
Action Type:	RESPONSE
Date:	10/26/2004
Action:	Other Report / Document
Global Id:	T0605900466
Action Type:	RESPONSE
Date:	01/30/2005
Action:	Remedial Progress Report
Global Id:	T0605900466
Action Type:	RESPONSE
Date:	02/22/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0605900466
Action Type:	RESPONSE
Date:	09/28/2011
Action:	Correspondence
Global Id:	T0605900466
Action Type:	RESPONSE
Date:	01/30/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0605900466
Action Type:	RESPONSE
Date:	08/27/2009
Action:	Correspondence
Global Id:	T0605900466
Action Type:	RESPONSE
Date:	09/02/2008
Action:	Verbal Communication

ENF:

Region:	8
Facility Id:	228393
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	4959
SIC Desc 1:	Sanitary Services, NEC
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDES
# Of Programs:	1
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	222312
Region:	8
Order / Resolution Number:	86-014
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	01/10/1986
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 8 302505001
Description:	INITIATE GROUNDWATER CLEANUP.

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Program:	NPDES
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	8
Facility Id:	228393
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	4959
SIC Desc 1:	Sanitary Services, NEC
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDES
# Of Programs:	1
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	222209
Region:	8
Order / Resolution Number:	88-109
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	11/10/1988
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	03/03/2006
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	CAO 88-109 for Wright Oil Company
Description:	GROUNDWATER CLEANUP
Program:	NPDES
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	8
Facility Id:	228377
Agency Name:	23991 EL TORO, INC.
Place Type:	Facility
Place Subtype:	Groundwater Cleanup Site
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	4959
SIC Desc 1:	Sanitary Services, NEC
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.001
Threat To Water Quality:	3
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Hazardous contaminated ground water
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	8 302708001
Reg Measure Id:	205976
Reg Measure Type:	Enrollee
Region:	8
Order #:	R8-2002-0033
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	08/16/2006
Effective Date:	08/15/2002
Expiration/Review Date:	Not reported
Termination Date:	08/16/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	243498
Region:	8
Order / Resolution Number:	R8-2003-0059
Enforcement Action Type:	Admin Civil Liability
Effective Date:	05/30/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	Enforcement - 8 302708001
Description:	Mandatory penalty based MTBE effluent violation. Based on new information submitted by the legal representative and the insurance

GW CLEANUP-L.HILLS,EL TORO RD (Continued) **S101299823**

carrier, this MPC was withdrawn.

Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HAZNET:

Year:	2011
Gepaid:	CAC002680139
Contact:	EDNA GALINDO
Telephone:	5627625776
Mailing Name:	Not reported
Mailing Address:	17125 ROSETON AVE
Mailing City,St,Zip:	ARTESIA, CA 90701
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	Orange

Year:	2011
Gepaid:	CAC002680139
Contact:	EDNA GALINDO
Telephone:	5627625776
Mailing Name:	Not reported
Mailing Address:	17125 ROSETON AVE
Mailing City,St,Zip:	ARTESIA, CA 90701
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	Orange

E29 **G & M OIL CO INC #40** **HIST CORTESE** **S101631404**
NNW **23991 EL TORO RD** **LUST** **N/A**
< 1/8 **LAGUNA HILLS, CA 92653** **CA FID UST**
0.022 mi.
117 ft. **Site 6 of 14 in cluster E**

Relative:
Higher

Actual:
370 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083000580T

G & M OIL CO INC #40 (Continued) **S101631404**

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Pollution Characterization
Case Number:	083000580T
Local Case Num:	85UT052
Case Type:	Aquifer affected
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	EDFPGTVE
Cross Street:	AVENIDA DE LA CARLOTTA
Enf Type:	SEL
Funding:	Federal Funds
How Discovered:	Nuisance Conditions
How Stopped:	Not reported
Leak Cause:	Loose Fitting
Leak Source:	Piping
Global ID:	T0605900466
How Stopped Date:	11/1/1983
Enter Date:	7/20/1987
Review Date:	Not reported
Prelim Assess:	2/16/2004
Discover Date:	11/1/1983
Enforcement Date:	11/10/1988
Close Date:	Not reported
Workplan:	Not reported
Pollution Char:	10/26/2004
Remed Plan:	6/15/1990
Remed Action:	4/30/2004
Monitoring:	Not reported
Enter Date:	7/20/1987
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.613824
Longitude:	-117.7088745
MTBE Date:	11/1/2000
Max MTBE GW:	1600
MTBE Concentration:	5
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	C
Staff:	NOM
Staff Initials:	JCS
Lead Agency:	Regional Board
Local Agency:	30000L
Hydr Basin #:	ALISO CREEK (9-31)
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	REVISED RAP SUBMITTED 6/15/90 (BING YEN & AGI). FURTHER ENFORCEMENT ACTION

G & M OIL CO INC #40 (Continued) **S101631404**

MAY BE REQUIRED. SIX RESPONSIBLE PARTIES FOR THIS SITE (CAO #88-109) SEE FILE. CONDUCTED LAST NPDES INSPECTION ON 10/16/96.

CA FID UST:

Facility ID:	30000628
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	15402 ELECTRONIC LN O J OT
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LAGUNA HILLS 92653
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

D30 **SADDLEBACK BREAST CTR** **RCRA-SQG** **1000597927**
SSW **24421 HEALTH CTR DR** **FINDS** **CAD983619628**
< 1/8 **LAGUNA HILLS, CA 92653**
0.022 mi.
118 ft. **Site 2 of 2 in cluster D**

Relative:
Lower

Actual:
346 ft.

RCRA-SQG:

Date form received by agency:	02/21/1992
Facility name:	SADDLEBACK BREAST CTR
Facility address:	24421 HEALTH CTR DR LAGUNA HILLS, CA 92653
EPA ID:	CAD983619628
Mailing address:	24451 HEALTH CTR DR LAGUNA HILLS, CA 92653
Contact:	ARDELL LOEBMANN
Contact address:	24421 HEALTH CTR DR LAGUNA HILLS, CA 92653
Contact country:	US
Contact telephone:	(714) 472-7200
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	SADDLEBACK MEM MED CTR
Owner/operator address:	24451 HEALTH CTR DR LAGUNA HILLS, CA 92653
Owner/operator country:	Not reported
Owner/operator telephone:	(714) 437-8500
Legal status:	Private

SADDLEBACK BREAST CTR (Continued) **1000597927**

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002869478

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

C31 **LAGUNA HILLS CHEVRON** **HIST CORTESE** **U001742869**
WNW **24081 EL TORO RD** **LUST** **N/A**
< 1/8 **LAGUNA HILLS, CA 92653** **CA FID UST**
0.034 mi. **Orange Co. Industrial Site**
179 ft. **Site 8 of 12 in cluster C**

Relative:
Higher

Actual:
369 ft.

CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083000113T

LUST:
Region: STATE
Global Id: T0605900087
Latitude: 33.612696
Longitude: -117.7120506
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 06/06/2005
Lead Agency: ORANGE COUNTY LOP

LAGUNA HILLS CHEVRON (Continued) **U001742869**

Case Worker:	KL
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083000113T
LOC Case Number:	85UT106
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0605900087
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN LAMBERT
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E DYER ROAD SUITE 120
City:	SANTA ANA
Email:	klambert@ochca.com
Phone Number:	7144336261

Global Id:	T0605900087
Contact Type:	Regional Board Caseworker
Contact Name:	TOM E. MBEKE-EKANEM
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	tmbeke-ekanem@waterboards.ca.gov
Phone Number:	9513202007

LUST:

Global Id:	T0605900087
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Free Product Removal

Global Id:	T0605900087
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	In Situ Physical/Chemical Treatment (other than SVE)

Global Id:	T0605900087
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Pump & Treat (P&T) Groundwater

Global Id:	T0605900087
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

Global Id:	T0605900087
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0605900087

LAGUNA HILLS CHEVRON (Continued) **U001742869**

Action Type: ENFORCEMENT
Date: 06/06/2005
Action: Closure/No Further Action Letter

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 85UT106
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 06/06/2005
Case Type: Other Ground Water
Record ID: RO0000791

CA FID UST:
Facility ID: 30000488
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7148373370
Mail To: Not reported
Mailing Address: 1300 S BCH BLVD / P O BOX 2
Mailing Address 2: Not reported
Mailing City,St,Zip: LAGUNA HILLS 92653
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Orange Co. Industrial Site:
Case ID: 91IC048
Region: ORANGE
Record ID: RO0000335
Current Status: CLOSED 12/12/1991
Closure Type: Closed pre 1994, file review required to determine closure type
Released Chemical: WASTE (OR SLOP) OIL

C32 **WALGREENS #4207** **LUST** **S105774343**
WNW **24081 EL TORO RD** **HAZNET** **N/A**
< 1/8 **LAGUNA HILLS, CA 92653**
0.034 mi.
179 ft. **Site 9 of 12 in cluster C**

Relative:
Higher

Actual:
369 ft.

LUST REG 8:
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Post remedial action monitoring
Case Number: 083000113T
Local Case Num: 85UT106
Case Type: Other ground water affected
Substance: Gasoline

WALGREENS #4207 (Continued) **S105774343**

Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	SA
How Stopped:	Other Means
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900087
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Review Date:	Not reported
Prelim Assess:	Not reported
Discover Date:	11/5/1985
Enforcement Date:	Not reported
Close Date:	Not reported
Workplan:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	5/22/2001
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.612696
Longitude:	-117.7120506
MTBE Date:	12/5/2001
Max MTBE GW:	470
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	TME
Staff Initials:	JS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

HAZNET:

Year:	2011
Gepaid:	CAL000323431
Contact:	ANDREW MARKS
Telephone:	8473152602
Mailing Name:	Not reported
Mailing Address:	104 WILMOT RD MS 1434
Mailing City,St,Zip:	DEERFIELD, IL 600150000

WALGREENS #4207 (Continued) **S105774343**

Gen County: Not reported
TSD EPA ID: OHD083377010
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0075
Facility County: Orange

Year: 2011
Gepaid: CAL000323431
Contact: ANDREW MARKS
Telephone: 8473152602
Mailing Name: Not reported
Mailing Address: 104 WILMOT RD MS 1434
Mailing City,St,Zip: DEERFIELD, IL 600150000
Gen County: Not reported
TSD EPA ID: OHD083377010
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0075
Facility County: Orange

Year: 2011
Gepaid: CAL000323431
Contact: ANDREW MARKS
Telephone: 8473152602
Mailing Name: Not reported
Mailing Address: 104 WILMOT RD MS 1434
Mailing City,St,Zip: DEERFIELD, IL 600150000
Gen County: Not reported
TSD EPA ID: OHD083377010
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Not reported
Tons: 0.0005
Facility County: Orange

Year: 2011
Gepaid: CAL000323431
Contact: ANDREW MARKS
Telephone: 8473152602
Mailing Name: Not reported
Mailing Address: 104 WILMOT RD MS 1434
Mailing City,St,Zip: DEERFIELD, IL 600150000
Gen County: Not reported
TSD EPA ID: OHD083377010
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Not reported
Tons: 0.0005
Facility County: Orange

Year: 2011
Gepaid: CAL000323431

WALGREENS #4207 (Continued) **S105774343**

Contact:	ANDREW MARKS
Telephone:	8473152602
Mailing Name:	Not reported
Mailing Address:	104 WILMOT RD MS 1434
Mailing City,St,Zip:	DEERFIELD, IL 600150000
Gen County:	Not reported
TSD EPA ID:	OHD083377010
TSD County:	Not reported
Waste Category:	Pharmaceutical waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.002
Facility County:	Orange

Click this hyperlink while viewing on your computer to access
11 additional CA_HAZNET: record(s) in the EDR Site Report.

C33 **LAGUNA HILLS CHEVRON** **UST** **U003895529**
WNW **24081 EL TORO RD** **SWEEPS UST** **N/A**
< 1/8 **LAGUNA HILLS, CA 92653**
0.034 mi.
179 ft. **Site 10 of 12 in cluster C**

Relative:
Higher

Actual:
369 ft.

UST:

Facility ID:	7791
Latitude:	33.61274
Longitude:	-117.71258

SWEEPS UST:

Status:	A
Comp Number:	7791
Number:	9
Board Of Equalization:	44-016634
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-007791-000001
Actv Date:	Not reported
Capacity:	1000
Tank Use:	PETROLEUM
Stg:	P
Content:	Not reported
Number Of Tanks:	4

Status:	A
Comp Number:	7791
Number:	9
Board Of Equalization:	44-016634
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-007791-000004
Actv Date:	Not reported

LAGUNA HILLS CHEVRON (Continued) **U003895529**

Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	7791
Number:	9
Board Of Equalization:	44-016634
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-007791-000005
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	7791
Number:	9
Board Of Equalization:	44-016634
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-007791-000006
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	Not reported

C34 **99384** **HIST UST** **U001577397**
WNW **24081 EL TORO RD** **N/A**
< 1/8 **LAGUNA HILLS, CA 92653**
0.034 mi.
179 ft. **Site 11 of 12 in cluster C**

Relative:
Higher

Actual:
369 ft.

HIST UST:

Region:	STATE
Facility ID:	00000063203
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0004
Contact Name:	RASH,WILLIAM A
Telephone:	7148373370
Owner Name:	CHEVRON U.S.A. INC.
Owner Address:	575 MARKET
Owner City,St,Zip:	SAN FRANCISCO, CA 94105

99384 (Continued) **U001577397**

Tank Num:	001
Container Num:	1
Year Installed:	1965
Tank Capacity:	00009000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	0000250 unknown
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	2
Year Installed:	1965
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	0000250 unknown
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	3
Year Installed:	1965
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	0000170 unknown
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	1965
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	Not reported
Tank Construction:	0000100 unknown
Leak Detection:	Stock Inventor

E35 **ARCO #3079/CAROLOTA PLAZA** **HIST CORTESE** **S103249093**
NNW **24012** **N/A**
< 1/8 **LAGUNA HILLS, CA 92653**
0.037 mi.
195 ft. **Site 7 of 14 in cluster E**

Relative:
Higher

Actual:
375 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083002934T

E36 NNW < 1/8 0.037 mi. 195 ft. | **FORMER ARCO FACILITY NO. 3079**
24012 AVENIDA DE LA CARLOTA
LAGUNA HILLS, CA 92653 | **LUST** | **S104406498**
N/A

Site 8 of 14 in cluster E

Relative: Higher

Actual: 375 ft.

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT4011
Local Case:	083002934
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	Orange
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Regional Board
Case Type:	Aquifer affected
Date Found:	01/01/1983
Date Stopped:	01/01/1983
Confirm Date:	/ /
Submit Workplan:	2/23/00
Prelim Assess:	01/09/2001
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	01/01/1983
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	UST
Basin Number:	901.13
GW Depth:	12.74
Beneficial Use:	MUNBU
NPDES Number:	Not reported
Priority:	High priority
File Dispn:	Not reported
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

E37 NNW < 1/8 0.037 mi. 195 ft. | **ARCO #3079**
24012 AVENIDA DE LA CARLOTA
LAGUNA HILLS, CA 92653 | **HIST CORTESE**
LUST | **S102445762**
N/A

Site 9 of 14 in cluster E

Relative: Higher

Actual: 375 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	9UT4011

LUST:

Region:	STATE

ARCO #3079 (Continued) **S102445762**

Global Id:	T0605902581
Latitude:	33.6138576006582
Longitude:	-117.708127051592
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	01/16/2004
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Worker:	JME
Local Agency:	Not reported
RB Case Number:	9UT4011
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0605902581
Action Type:	ENFORCEMENT
Date:	09/10/2003
Action:	* Verbal Communication

Global Id:	T0605902581
Action Type:	ENFORCEMENT
Date:	09/08/2003
Action:	Notification - Preclosure

Global Id:	T0605902581
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

Global Id:	T0605902581
Action Type:	ENFORCEMENT
Date:	09/11/2003
Action:	* Verbal Communication

Global Id:	T0605902581
Action Type:	ENFORCEMENT
Date:	01/16/2004
Action:	Closure/No Further Action Letter

Global Id:	T0605902581
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

Global Id:	T0605902581
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

F38 ESE < 1/8 0.039 mi. 206 ft. | **KINZIE COMPANY INC** | **DRYCLEANERS** | **S106833857**
24261 AVENIDA DE LA CARLOTA STE Q3 | **EMI** | **N/A**
LAGUNA HILLS, CA 92653

Site 1 of 3 in cluster F

Relative: Higher

Actual: 363 ft.

DRYCLEANERS:

EPA Id:	CAR000017772
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	06/19/1997
Facility Active:	No
Inactive Date:	06/30/2002
Facility Addr2:	Not reported
Owner Name:	KINZIE & COMPANY INC
Owner Address:	24261 AVENIDA DELA CARLOTA
Owner Address 2:	Not reported
Owner Telephone:	9496993673
Contact Name:	JIM DUENAS
Contact Address:	24261 AVENIDA DE LA CARLOTA STE Q3
Contact Address 2:	Not reported
Contact Telephone:	9496993673

EMI:

Year:	2002
County Code:	30
Air Basin:	SC
Facility ID:	136358
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	30
Air Basin:	SC
Facility ID:	136358
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

KINZIE COMPANY INC (Continued) **S106833857**

Year:	2004
County Code:	30
Air Basin:	SC
Facility ID:	136358
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00467
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.0301
NOX - Oxides of Nitrogen Tons/Yr:	0.0358
SOX - Oxides of Sulphur Tons/Yr:	0.000215
Particulate Matter Tons/Yr:	0.00272
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

F39 **EDR US Hist Cleaners** **1015026411**
ESE **24261 AVENUE DE LA CARLOTA** **N/A**
< 1/8 **LAGUNA HILLS, CA 92653**
0.039 mi.
206 ft. **Site 2 of 3 in cluster F**

Relative:
Higher

Actual:
363 ft.

EDR Historical Cleaners:

Name:	MY FAVORITE CLEANERS
Year:	2010
Address:	24261 AVENUE DE LA CARLOTA

F40 **EDR US Hist Cleaners** **1015026410**
ESE **24261 AVENIDA DE LA CARLOTA** **N/A**
< 1/8 **LAGUNA HILLS, CA 92653**
0.039 mi.
206 ft. **Site 3 of 3 in cluster F**

Relative:
Higher

Actual:
363 ft.

EDR Historical Cleaners:

Name:	MY FAVORITE CLEANERS
Year:	2007
Address:	24261 AVENIDA DE LA CARLOTA
Name:	MY FAVORITE CLEANERS
Year:	2008
Address:	24261 AVENIDA DE LA CARLOTA
Name:	MY FAVORITE CLEANERS
Year:	2011
Address:	24261 AVENIDA DE LA CARLOTA
Name:	MY FAVORITE CLEANERS
Year:	2012
Address:	24261 AVENIDA DE LA CARLOTA

E41
NNW
< 1/8
0.045 mi.
239 ft.

23971 EL TORO RD
LAGUNA HILLS, CA 92653

Site 10 of 14 in cluster E

EDR US Hist Auto Stat **1015352752**
N/A

Relative:
Higher

Actual:
376 ft.

EDR Historical Auto Stations:

Name: SHELL SERVICE STATION
Year: 1999
Address: 23971 EL TORO RD

Name: SHELL SERVICE STATION
Year: 2001
Address: 23971 EL TORO RD

Name: SHELL SERVICE STATION
Year: 2002
Address: 23971 EL TORO RD

Name: SHELL SERVICE STATION
Year: 2003
Address: 23971 EL TORO RD

Name: SHELL SERVICE STATION
Year: 2005
Address: 23971 EL TORO RD

Name: SHELL SERVICE STATION
Year: 2006
Address: 23971 EL TORO RD

Name: SHELL SERVICE STATION
Year: 2007
Address: 23971 EL TORO RD

Name: SHELL SERVICE STATIONS
Year: 2009
Address: 23971 EL TORO RD

42
West
< 1/8
0.046 mi.
243 ft.

QUEST DIAGNOSTICS LAGUNA HILLS RRL
24022 CALLE DE LA PLATA
LAGUNA HILLS, CA 92653

RCRA-SQG **1008402452**
CAR000165530

Relative:
Higher

Actual:
358 ft.

RCRA-SQG:

Date form received by agency:	09/07/2005
Facility name:	QUEST DIAGNOSTICS LAGUNA HILLS RRL
Facility address:	24022 CALLE DE LA PLATA LAGUNA HILLS, CA 92653
EPA ID:	CAR000165530
Mailing address:	18408 OXNARD STREET‘ TARZANA, CA 91358
Contact:	MARK GAMER
Contact address:	18408 OXNARD STREET‘ TARZANA, CA 91358
Contact country:	US
Contact telephone:	451-264-2932
Contact email:	Not reported
EPA Region:	09

QUEST DIAGNOSTICS LAGUNA HILLS RRL (Continued) **1008402452**

Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: QUEST DIAGNOSTICS
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/25/2005
Owner/Op end date: Not reported

Owner/operator name: QUEST DIAGNOSTICS
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/25/2005
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

C43 WNW < 1/8 0.049 mi. 261 ft. | **AMERICAN SAVINGS BANK 24085 EL TORO LAGUNA WOODS, CA 92653** | **HIST CORTESE LUST** | **S100929448 N/A**

Site 12 of 12 in cluster C

Relative: Higher

Actual: 370 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083002480T

LUST:

Region:	STATE
Global Id:	T0605901761
Latitude:	33.612696
Longitude:	-117.7121706
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/28/2004
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	KL
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083002480T
LOC Case Number:	94UT017
File Location:	Local Agency Warehouse
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0605901761
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN LAMBERT
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E DYER ROAD SUITE 120
City:	SANTA ANA
Email:	klambert@ochca.com
Phone Number:	7144336261

Global Id:	T0605901761
Contact Type:	Regional Board Caseworker
Contact Name:	ROSE SCOTT
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	rscott@waterboards.ca.gov
Phone Number:	9513206375

LUST:

Global Id:	T0605901761
Action Type:	ENFORCEMENT
Date:	06/28/2004
Action:	Closure/No Further Action Letter

Global Id:	T0605901761
Action Type:	Other

AMERICAN SAVINGS BANK (Continued) **S100929448**

Date: 01/01/1950
Action: Leak Reported

Global Id: T0605901761
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 94UT017
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 06/28/2004
Case Type: Other Ground Water
Record ID: RO0001324

LUST REG 8:
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083002480T
Local Case Num: 94UT017
Case Type: Other ground water affected
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: CLOS
Funding: Not reported
How Discovered: SA
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global ID: T0605901761
How Stopped Date: 9/9/9999
Enter Date: Not reported
Review Date: Not reported
Prelim Assess: Not reported
Discover Date: 9/1/1993
Enforcement Date: Not reported
Close Date: 6/28/2004
Workplan: Not reported
Pollution Char: 9/1/1993
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: ND
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST

AMERICAN SAVINGS BANK (Continued) **S100929448**

Latitude: 33.612696
Longitude: -117.7121706
MTBE Date: 11/8/2003
Max MTBE GW: 2
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class: *
Staff: RS
Staff Initials: JS
Lead Agency: Local Agency
Local Agency: 30000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

LUST REG 9:
Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3188
Local Case: 94UT17
Substance: 0
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: Orange
How Found: Not reported
How Stopped: Not reported
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: / /
Date Stopped: / /
Confirm Date: 03/28/1994
Submit Workplan: 4/15/94
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 03/28/1994
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.11
GW Depth: Not reported
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: Not reported
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported

AMERICAN SAVINGS BANK (Continued) **S100929448**

Waste Discharge Requirement Number: Not reported

E44 NNW < 1/8 0.059 mi. 311 ft. **SHELL (4056-0207)** **SWEEPS UST** **U003984025**
23971 EL TORO RD **N/A**
LAGUNA HILLS, CA 92653

Site 11 of 14 in cluster E

Relative: Higher

Actual: 377 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	2183
Number:	Not reported
Board Of Equalization:	44-000074
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002183-000002
Actv Date:	Not reported
Capacity:	8000
Tank Use:	UNKNOWN
Stg:	PRODUCT
Content:	Not reported
Number Of Tanks:	3

Status:	Not reported
Comp Number:	2183
Number:	Not reported
Board Of Equalization:	44-000074
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002183-000003
Actv Date:	Not reported
Capacity:	8000
Tank Use:	UNKNOWN
Stg:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2183
Number:	Not reported
Board Of Equalization:	44-000074
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002183-000004
Actv Date:	Not reported
Capacity:	10000
Tank Use:	UNKNOWN
Stg:	PRODUCT
Content:	Not reported

SHELL (4056-0207) (Continued) **U003984025**

Number Of Tanks: Not reported

Status: A
Comp Number: 2183
Number: 9
Board Of Equalization: 44-000074
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-002183-000001
Actv Date: Not reported
Capacity: 550
Tank Use: PETROLEUM
Stg: P
Content: Not reported
Number Of Tanks: 5

Status: A
Comp Number: 2183
Number: 9
Board Of Equalization: 44-000074
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-002183-000009
Actv Date: Not reported
Capacity: 9700
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 2183
Number: 9
Board Of Equalization: 44-000074
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-002183-000010
Actv Date: Not reported
Capacity: 9700
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 2183
Number: 9
Board Of Equalization: 44-000074

SHELL (4056-0207) (Continued) **U003984025**

Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002183-000011
Actv Date:	Not reported
Capacity:	9700
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	2183
Number:	9
Board Of Equalization:	44-000074
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002183-000012
Actv Date:	Not reported
Capacity:	9700
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	Not reported

E45
NNW
< 1/8
0.059 mi.
311 ft.

ASHDON DEVELOPMENT LAGUNA HILLS **LUST** **S104791742**
23971 EL TORO RD **HAZNET** **N/A**
LAGUNA HILLS, CA 92653

Site 12 of 14 in cluster E

Relative:
Higher

Actual:
377 ft.

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Remedial action (cleanup) Underway
Case Number:	083000362T
Local Case Num:	90UT018
Case Type:	Aquifer affected
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	FPVEGTEDAS
Cross Street:	AVENIDA DE LA CARLOTTA
Enf Type:	VER
Funding:	Not reported
How Discovered:	Tank Test
How Stopped:	Not reported
Leak Cause:	Loose Fitting
Leak Source:	Piping
Global ID:	T0605900287
How Stopped Date:	10/11/1989
Enter Date:	Not reported
Review Date:	Not reported

ASHDON DEVELOPMENT LAGUNA HILLS (Continued) **S104791742**

Prelim Assess:	2/26/1990
Discover Date:	10/11/1989
Enforcement Date:	1/1/1965
Close Date:	Not reported
Workplan:	12/1/1989
Pollution Char:	2/9/2001
Remed Plan:	10/28/2004
Remed Action:	11/2/2004
Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Yes
Oversite Program:	LUST
Latitude:	33.6141849
Longitude:	-117.7084485
MTBE Date:	3/6/2002
Max MTBE GW:	55000
MTBE Concentration:	13
Max MTBE Soil:	6000
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	NOM
Staff Initials:	JCS
Lead Agency:	Regional Board
Local Agency:	30000L
Hydr Basin #:	ALISO CREEK (9-31)
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	GW DEPTH = 13-17' BGS; GRADIENT = SW @ 0.0085 FT/FT. 1/96 - FP STILL PRESENT IN MW-2. DISSOLVED PHASE BENZENE IN 1/96 WAS 10,193 PPB. CONDUCTED LAST NPDES INSPECTION "B" ON 10/16/96.

HAZNET:

Year:	2009
Gepaid:	CAL000335792
Contact:	KEVIN HURLEY
Telephone:	6618106114
Mailing Name:	Not reported
Mailing Address:	23971 EL TORO RD
Mailing City,St,Zip:	LAGUNA HILLS, CA 926533122
Gen County:	Orange
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.2604
Facility County:	Orange

E46 NNW < 1/8 0.059 mi. 311 ft. | **SHELL OIL CO**
23971 EL TORO/ CARLOTA
LAGUNA HILLS, CA 92653

Site 13 of 14 in cluster E

RCRA-SQG
HIST CORTESE
LUST
CA FID UST
HIST UST
HAZNET

1000288479
CAD981458326

Relative: Higher

Actual: 377 ft.

RCRA-SQG:

Date form received by agency:	04/08/1998
Facility name:	SHELL OIL CO
Facility address:	23971 EL TORO/ CARLOTA LAGUNA HILLS, CA 92653
EPA ID:	CAD981458326
Mailing address:	P O BOX 4453 HOUSTON, TX 772104453
Contact:	SONDRA BIENVENU
Contact address:	P O BOX 4453 HOUSTON, TX 772104453
Contact country:	US
Contact telephone:	(713) 241-2258
Contact email:	Not reported
EPA Region:	09
Land type:	Private
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	EQUILON ENTERPRISES LLC
Owner/operator address:	P O BOX 4453 HOUSTON, TX 77210
Owner/operator country:	Not reported
Owner/operator telephone:	(713) 241-2258
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

SHELL OIL CO (Continued) **1000288479**

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/01/1996
Facility name: SHELL OIL CO
Classification: Small Quantity Generator

Date form received by agency: 02/24/1992
Facility name: SHELL OIL CO
Site name: SHELL SERVICE STATION 204-4056-0207
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 07/28/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083000362T

LUST:
Region: STATE
Global Id: T0605900287
Latitude: 33.6141849
Longitude: -117.7084485
Case Type: LUST Cleanup Site
Status: Open - Remediation
Status Date: 01/31/2008

SHELL OIL CO (Continued) **1000288479**

Lead Agency:	SANTA ANA RWQCB (REGION 8)
Case Worker:	NOM
Local Agency:	Not reported
RB Case Number:	083000362T
LOC Case Number:	90UT018
File Location:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	.

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0605900287
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0605900287
Action Type:	ENFORCEMENT
Date:	08/18/2003
Action:	Staff Letter
Global Id:	T0605900287
Action Type:	ENFORCEMENT
Date:	08/02/2005
Action:	* Verbal Communication
Global Id:	T0605900287
Action Type:	RESPONSE
Date:	11/01/2010
Action:	Remedial Progress Report
Global Id:	T0605900287
Action Type:	RESPONSE
Date:	01/31/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0605900287
Action Type:	RESPONSE
Date:	02/04/2010
Action:	Remedial Progress Report
Global Id:	T0605900287
Action Type:	RESPONSE
Date:	02/04/2010
Action:	Monitoring Report - Quarterly
Global Id:	T0605900287
Action Type:	RESPONSE
Date:	12/30/2004
Action:	Monitoring Report - Quarterly

SHELL OIL CO (Continued) **1000288479**

Global Id: T0605900287
Action Type: RESPONSE
Date: 12/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 12/30/2007
Action: Remedial Progress Report

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 03/07/2008
Action: Staff Letter

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 02/04/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 03/06/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 07/06/2005
Action: * No Action

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 11/14/2006
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 09/06/2006
Action: Staff Letter

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 11/04/2005
Action: * No Action

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 05/27/2009
Action: Staff Letter

Global Id: T0605900287
Action Type: REMEDIATION
Date: 01/01/1950
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605900287
Action Type: RESPONSE

SHELL OIL CO (Continued) **1000288479**

Date: 10/26/2004
Action: Other Report / Document

Global Id: T0605900287
Action Type: RESPONSE
Date: 10/30/2004
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0605900287
Action Type: RESPONSE
Date: 09/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0605900287
Action Type: RESPONSE
Date: 10/30/2009
Action: Remedial Progress Report

Global Id: T0605900287
Action Type: RESPONSE
Date: 05/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 07/23/2009
Action: Other Report / Document

Global Id: T0605900287
Action Type: RESPONSE
Date: 07/23/2009
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 07/24/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 02/25/2011
Action: Staff Letter

Global Id: T0605900287
Action Type: RESPONSE
Date: 05/02/2011
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 04/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 08/12/2008
Action: Staff Letter

SHELL OIL CO (Continued) **1000288479**

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 07/09/2008
Action: Staff Letter

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 12/03/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 04/16/2008
Action: Verbal Enforcement

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 06/12/2003
Action: * No Action

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 01/10/2003
Action: * Verbal Communication

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 01/12/2005
Action: * Verbal Communication

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 11/03/2004
Action: Staff Letter

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 08/28/2003
Action: * Verbal Communication

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 10/22/2003
Action: * Verbal Communication

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 11/13/2003
Action: * No Action

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 11/25/2003
Action: Staff Letter

Global Id: T0605900287
Action Type: ENFORCEMENT

SHELL OIL CO (Continued) **1000288479**

Date: 09/09/2003
Action: * Verbal Communication

Global Id: T0605900287
Action Type: RESPONSE
Date: 05/06/2003
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 10/06/2008
Action: Verbal Communication

Global Id: T0605900287
Action Type: RESPONSE
Date: 11/01/2005
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 02/03/2006
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 04/30/2010
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 04/30/2010
Action: Remedial Progress Report

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 03/14/2008
Action: * Verbal Communication

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 07/03/2008
Action: File review

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 03/12/2008
Action: * Verbal Communication

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 05/09/2008
Action: * Verbal Communication

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 04/01/2005
Action: * Verbal Communication

SHELL OIL CO (Continued) **1000288479**

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 09/10/2004
Action: * No Action

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 03/07/2007
Action: * Verbal Communication

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 10/26/2004
Action: Meeting

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 02/20/2007
Action: * Verbal Communication

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 11/28/2011
Action: Staff Letter

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 06/17/2011
Action: Staff Letter

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 02/06/2006
Action: * No Action

Global Id: T0605900287
Action Type: RESPONSE
Date: 02/29/2012
Action: Sensitive Receptor Survey Report

Global Id: T0605900287
Action Type: RESPONSE
Date: 09/20/2012
Action: Well Installation Workplan

Global Id: T0605900287
Action Type: RESPONSE
Date: 01/17/2012
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 11/12/2008
Action: Verbal Communication

Global Id: T0605900287
Action Type: ENFORCEMENT

SHELL OIL CO (Continued) **1000288479**

Date: 05/19/2009
Action: Site Visit / Inspection / Sampling

Global Id: T0605900287
Action Type: RESPONSE
Date: 08/30/2002
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 12/30/2002
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0605900287
Action Type: RESPONSE
Date: 10/30/2002
Action: NPDES / WDR Reports

Global Id: T0605900287
Action Type: RESPONSE
Date: 07/02/2003
Action: Other Report / Document

Global Id: T0605900287
Action Type: RESPONSE
Date: 05/12/2011
Action: Other Report / Document

Global Id: T0605900287
Action Type: RESPONSE
Date: 11/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 10/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 05/30/2009
Action: Remedial Progress Report

Global Id: T0605900287
Action Type: RESPONSE
Date: 03/30/2012
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 08/18/2002
Action: * Verbal Communication

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 07/01/2009
Action: Staff Letter

SHELL OIL CO (Continued) **1000288479**

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 05/06/2003
Action: * No Action

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 08/30/2002
Action: * No Action

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 10/08/2002
Action: * No Action

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 04/05/2004
Action: Staff Letter

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 11/19/2010
Action: Staff Letter

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 03/09/2004
Action: * Verbal Communication

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 10/07/2005
Action: * Verbal Communication

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 12/29/2004
Action: * No Action

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 04/15/2005
Action: * No Action

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 04/11/2008
Action: * Verbal Communication

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 05/14/2004
Action: Staff Letter

Global Id: T0605900287
Action Type: ENFORCEMENT

SHELL OIL CO (Continued) **1000288479**

Date: 05/10/2004
Action: * No Action

Global Id: T0605900287
Action Type: RESPONSE
Date: 07/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 06/30/2003
Action: Other Report / Document

Global Id: T0605900287
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0605900287
Action Type: RESPONSE
Date: 09/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 07/01/2005
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 04/30/2009
Action: Remedial Progress Report

Global Id: T0605900287
Action Type: RESPONSE
Date: 08/15/2009
Action: Other Report / Document

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 06/28/2005
Action: Meeting

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 09/01/2006
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 05/15/2006
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 03/19/2008
Action: * Verbal Communication

SHELL OIL CO (Continued) **1000288479**

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 05/06/2003
Action: Site Visit / Inspection / Sampling

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 07/15/2004
Action: Meeting

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 03/05/2004
Action: * Verbal Communication

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 03/11/2004
Action: * No Action

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 03/11/2005
Action: * Verbal Communication

Global Id: T0605900287
Action Type: RESPONSE
Date: 09/11/2012
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 07/08/2011
Action: Correspondence

Global Id: T0605900287
Action Type: RESPONSE
Date: 11/15/2011
Action: Site Assessment Report

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 09/07/2004
Action: Meeting

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 07/18/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0605900287
Action Type: RESPONSE
Date: 05/07/2004
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE

SHELL OIL CO (Continued) **1000288479**

Date: 03/20/2004
Action: Other Report / Document

Global Id: T0605900287
Action Type: RESPONSE
Date: 06/09/2005
Action: Soil and Water Investigation Report

Global Id: T0605900287
Action Type: RESPONSE
Date: 02/28/2008
Action: Other Workplan

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 06/18/2003
Action: Staff Letter

Global Id: T0605900287
Action Type: RESPONSE
Date: 07/31/2006
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 10/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 07/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0605900287
Action Type: RESPONSE
Date: 01/31/2011
Action: Remedial Progress Report

Global Id: T0605900287
Action Type: RESPONSE
Date: 09/26/2012
Action: Correspondence

Global Id: T0605900287
Action Type: RESPONSE
Date: 08/30/2012
Action: Other Report / Document

Global Id: T0605900287
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

SHELL OIL CO (Continued) **1000288479**

Global Id: T0605900287
Action Type: RESPONSE
Date: 01/31/2007
Action: Remedial Progress Report

Global Id: T0605900287
Action Type: RESPONSE
Date: 01/31/2007
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 09/30/2007
Action: Remedial Progress Report

Global Id: T0605900287
Action Type: RESPONSE
Date: 05/01/2008
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 08/01/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0605900287
Action Type: RESPONSE
Date: 05/05/2006
Action: Remedial Progress Report

Global Id: T0605900287
Action Type: RESPONSE
Date: 02/28/2007
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 01/09/2003
Action: Staff Letter

Global Id: T0605900287
Action Type: RESPONSE
Date: 08/09/2004
Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: RESPONSE
Date: 06/02/2008
Action: Well Installation Report

Global Id: T0605900287
Action Type: RESPONSE

SHELL OIL CO (Continued) **1000288479**

Date:	11/01/2010
Action:	Monitoring Report - Quarterly
Global Id:	T0605900287
Action Type:	RESPONSE
Date:	03/01/2004
Action:	Other Report / Document
Global Id:	T0605900287
Action Type:	RESPONSE
Date:	02/27/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0605900287
Action Type:	RESPONSE
Date:	10/30/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0605900287
Action Type:	RESPONSE
Date:	04/30/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0605900287
Action Type:	RESPONSE
Date:	11/30/2006
Action:	Monitoring Report - Quarterly

Region:	STATE
Global Id:	T0605914410
Latitude:	33.614508
Longitude:	-117.708741
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/16/1987
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	KL
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083000362T
LOC Case Number:	86UT103
File Location:	Local Agency
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0605914410
Contact Type:	Regional Board Caseworker
Contact Name:	CARL BERNHARDT
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	cbernhardt@waterboards.ca.gov
Phone Number:	9517824495

SHELL OIL CO (Continued) **1000288479**

Global Id:	T0605914410
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN LAMBERT
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E DYER ROAD SUITE 120
City:	SANTA ANA
Email:	klambert@ochca.com
Phone Number:	7144336261

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	86UT103
Current Status:	Certification (Case Closed)
Released Substance:	Waste oil/Used oil
Date Closed:	08/16/1987
Case Type:	Undetermined
Record ID:	RO0000913

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083000362T
Local Case Num:	86UT103
Case Type:	Undefined
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605914410
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Review Date:	Not reported
Prelim Assess:	Not reported
Discover Date:	1/1/1965
Enforcement Date:	Not reported
Close Date:	8/16/1987
Workplan:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported

SHELL OIL CO (Continued) **1000288479**

Oversite Program: LUST
Latitude: Not reported
Longitude: Not reported
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
MTBE Class: *
Staff: CAB
Staff Initials: JS
Lead Agency: Local Agency
Local Agency: 30000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

CA FID UST:
Facility ID: 30000539
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7148303930
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: LAGUNA HILLS 92653
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST UST:
Region: STATE
Facility ID: 00000016230
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0004
Contact Name: EED ENTERPRISES, INC
Telephone: 7148303930
Owner Name: SHELL OIL COMPANY
Owner Address: P. O. BOX 4848
Owner City,St,Zip: ANAHEIM, CA 92803

Tank Num: 001
Container Num: 1
Year Installed: 1973
Tank Capacity: 00010000

SHELL OIL CO (Continued) **1000288479**

Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 2
Year Installed: 1973
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: 1/6 inches
Leak Detection: Stock Inventor, 10

Tank Num: 003
Container Num: 3
Year Installed: 1973
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor, Groundwater Monitoring Well, 10

Tank Num: 004
Container Num: 4
Year Installed: 1973
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: 12 gauge
Leak Detection: Stock Inventor, 10

HAZNET:
Year: 2004
Gepaid: CAL000187689
Contact: CHARLIE MAZZA
Telephone: 7148303930
Mailing Name: Not reported
Mailing Address: 23971 ELTORO RD
Mailing City,St,Zip: LAGUNA HILLS, CA 926530000
Gen County: Orange
TSD EPA ID: CAD099452708
TSD County: Los Angeles
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: 0.22
Facility County: Not reported

Year: 2003
Gepaid: CAL000187689
Contact: CHARLIE MAZZA
Telephone: 7148303930
Mailing Name: Not reported
Mailing Address: 23971 ELTORO RD
Mailing City,St,Zip: LAGUNA HILLS, CA 926530000
Gen County: Orange
TSD EPA ID: CAD099452708

SHELL OIL CO (Continued) **1000288479**

TSD County: Orange
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: 0.66
Facility County: Orange

Year: 2002
Gepaid: CAL000187689
Contact: CHARLIE MAZZA
Telephone: 7148303930
Mailing Name: Not reported
Mailing Address: 23971 ELTORO RD
Mailing City,St,Zip: LAGUNA HILLS, CA 926530000
Gen County: Orange
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: 0.64
Facility County: Not reported

Year: 2001
Gepaid: CAL000187689
Contact: CHARLIE MAZZA
Telephone: 7148303930
Mailing Name: Not reported
Mailing Address: 23971 ELTORO RD
Mailing City,St,Zip: LAGUNA HILLS, CA 926530000
Gen County: Orange
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: 0.68
Facility County: Not reported

Year: 2000
Gepaid: CAL000187689
Contact: LAGUNA HILLS SHELL
Telephone: 7148303930
Mailing Name: Not reported
Mailing Address: 23971 ELTORO RD
Mailing City,St,Zip: LAGUNA HILLS, CA 926530000
Gen County: Orange
TSD EPA ID: CAD099452708
TSD County: Los Angeles
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: .9381
Facility County: Orange

Click this hyperlink while viewing on your computer to access
6 additional CA_HAZNET: record(s) in the EDR Site Report.

E47 NNW < 1/8 0.059 mi. 311 ft. | **SHELL (4056-0207)** | **UST** | **U003996895** | **N/A**

23971 EL TORO RD
LAGUNA HILLS, CA 92653

Site 14 of 14 in cluster E

Relative: Higher

Actual: 377 ft.

UST:

Facility ID:	2183
Latitude:	33.6141
Longitude:	-117.70863

ORANGE CO. UST:

Facility ID:	FA0052519

G48 SSW < 1/8 0.062 mi. 327 ft. | **SADDLEBACK COMMUNITY HOSPITAL** | **CA FID UST** | **U001559594**
SWEEPS UST | **N/A**

24451 HEALTH CENTER DR
LAGUNA HILLS, CA 92653

Site 1 of 3 in cluster G

Relative: Lower

Actual: 343 ft.

CA FID UST:

Facility ID:	30017627
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7148374500
Mail To:	Not reported
Mailing Address:	24451 HEALTH CENTER DR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LAGUNA HILLS 92653
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SWEEPS UST:

Status:	A
Comp Number:	9699
Number:	9
Board Of Equalization:	44-016779
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-009699-000001
Actv Date:	Not reported
Capacity:	20000
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	1

G49 SSW < 1/8 0.062 mi. 327 ft. | **SADDLEBACK MEMORIAL MEDICAL CENTER** | **UST** | **U003433393**
24451 HEALTH CENTER DR | **HAZNET** | **N/A**
LAGUNA HILLS, CA 92653

Site 2 of 3 in cluster G

Relative: Lower

Actual: 343 ft.

UST:
Facility ID: 9699
Latitude: 33.60805
Longitude: -117.70826

ORANGE CO. UST:
Facility ID: FA0024449

HAZNET:
Year: 2003
Gepaid: CAD981370265
Contact: BILL BUCHER-SUPVR, BLDG. SVCS
Telephone: 9494523521
Mailing Name: BUILDING SERVICES DEPT
Mailing Address: 24451 HEALTH CENTER DR
Mailing City,St,Zip: LAGUNA HILLS, CA 926530000
Gen County: Orange
TSD EPA ID: CAD028409019
TSD County: Orange
Waste Category: Alkaline solution without metals pH >= 12.5
Disposal Method: Transfer Station
Tons: 0.01
Facility County: Orange

Year: 2003
Gepaid: CAD981370265
Contact: BILL BUCHER-SUPVR, BLDG. SVCS
Telephone: 9494523521
Mailing Name: BUILDING SERVICES DEPT
Mailing Address: 24451 HEALTH CENTER DR
Mailing City,St,Zip: LAGUNA HILLS, CA 926530000
Gen County: Orange
TSD EPA ID: CAD028409019
TSD County: Orange
Waste Category: Unspecified solvent mixture
Disposal Method: Transfer Station
Tons: 0.97
Facility County: Orange

Year: 2003
Gepaid: CAD981370265
Contact: BILL BUCHER-SUPVR, BLDG. SVCS
Telephone: 9494523521
Mailing Name: BUILDING SERVICES DEPT
Mailing Address: 24451 HEALTH CENTER DR
Mailing City,St,Zip: LAGUNA HILLS, CA 926530000
Gen County: Orange
TSD EPA ID: CAD028409019
TSD County: Orange
Waste Category: Waste oil and mixed oil
Disposal Method: Treatment, Tank
Tons: 0.43

SADDLEBACK MEMORIAL MEDICAL CENTER (Continued) **U003433393**

Facility County:	Orange
Year:	2003
Gepaid:	CAD981370265
Contact:	BILL BUCHER-SUPVR, BLDG. SVCS
Telephone:	9494523521
Mailing Name:	BUILDING SERVICES DEPT
Mailing Address:	24451 HEALTH CENTER DR
Mailing City,St,Zip:	LAGUNA HILLS, CA 926530000
Gen County:	Orange
TSD EPA ID:	CAD028409019
TSD County:	Orange
Waste Category:	Laboratory waste chemicals
Disposal Method:	Transfer Station
Tons:	0
Facility County:	Orange
Year:	2003
Gepaid:	CAD981370265
Contact:	BILL BUCHER-SUPVR, BLDG. SVCS
Telephone:	9494523521
Mailing Name:	BUILDING SERVICES DEPT
Mailing Address:	24451 HEALTH CENTER DR
Mailing City,St,Zip:	LAGUNA HILLS, CA 926530000
Gen County:	Orange
TSD EPA ID:	CAD028409019
TSD County:	Orange
Waste Category:	Liquids with mercury >= 20 Mg./L
Disposal Method:	Transfer Station
Tons:	0.04
Facility County:	Orange

Click this hyperlink while viewing on your computer to access
52 additional CA_HAZNET: record(s) in the EDR Site Report.

G50 **SADDLEBACK HOSPITAL** **RCRA-SQG** **1000190046**
SSW **24451 HEALTH CTR DR** **FINDS** **CAD981370265**
< 1/8 **LAGUNA HILLS, CA 92653** **HAZNET**
0.062 mi. **EMI**
327 ft. **Site 3 of 3 in cluster G**

Relative:
Lower

Actual:
343 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	SADDLEBACK HOSPITAL
Facility address:	24451 HEALTH CTR DR LAGUNA HILLS, CA 92653
EPA ID:	CAD981370265
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

SADDLEBACK HOSPITAL (Continued) **1000190046**

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/31/1986
Facility name: SADDLEBACK HOSPITAL
Classification: Large Quantity Generator

Date form received by agency: 01/31/1986
Facility name: SADDLEBACK HOSPITAL
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 11/02/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110009534593

Environmental Interest/Information System
The NEI (National Emissions Inventory) database contains information

SADDLEBACK HOSPITAL (Continued) **1000190046**

on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

HAZNET:

Year:	2011
Gepaid:	CAD981370265
Contact:	BILL BUCHER, MGR BLDG SERVICES
Telephone:	9494523521
Mailing Name:	Not reported
Mailing Address:	24451 HEALTH CENTER DR
Mailing City,St,Zip:	LAGUNA HILLS, CA 926530000
Gen County:	Not reported
TSD EPA ID:	FLD980711071
TSD County:	Not reported
Waste Category:	Pharmaceutical waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.037
Facility County:	Orange

Year:	2011
Gepaid:	CAD981370265
Contact:	BILL BUCHER, MGR BLDG SERVICES
Telephone:	9494523521
Mailing Name:	Not reported
Mailing Address:	24451 HEALTH CENTER DR
Mailing City,St,Zip:	LAGUNA HILLS, CA 926530000
Gen County:	Not reported
TSD EPA ID:	FLD980711071
TSD County:	Not reported
Waste Category:	Pharmaceutical waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.037
Facility County:	Orange

Year:	2011
Gepaid:	CAD981370265
Contact:	BILL BUCHER, MGR BLDG SERVICES
Telephone:	9494523521
Mailing Name:	Not reported
Mailing Address:	24451 HEALTH CENTER DR

SADDLEBACK HOSPITAL (Continued) **1000190046**

Mailing City,St,Zip: LAGUNA HILLS, CA 926530000
Gen County: Not reported
TSD EPA ID: TXD982560294
TSD County: Not reported
Waste Category: Liquids with mercury >= 20 Mg./L
Disposal Method: Other Treatment
Tons: 0.0005
Facility County: Orange

Year: 2011
Gepaid: CAD981370265
Contact: BILL BUCHER, MGR BLDG SERVICES
Telephone: 9494523521
Mailing Name: Not reported
Mailing Address: 24451 HEALTH CENTER DR
Mailing City,St,Zip: LAGUNA HILLS, CA 926530000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.648
Facility County: Orange

Year: 2011
Gepaid: CAD981370265
Contact: BILL BUCHER, MGR BLDG SERVICES
Telephone: 9494523521
Mailing Name: Not reported
Mailing Address: 24451 HEALTH CENTER DR
Mailing City,St,Zip: LAGUNA HILLS, CA 926530000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.648
Facility County: Orange

Click this hyperlink while viewing on your computer to access
96 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:
Year: 1990
County Code: 30
Air Basin: SC
Facility ID: 5484
Air District Name: SC
SIC Code: 8060
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 1

SADDLEBACK HOSPITAL (Continued) **1000190046**

NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1995
County Code:	30
Air Basin:	SC
Facility ID:	5484
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1996
County Code:	30
Air Basin:	SC
Facility ID:	5484
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1997
County Code:	30
Air Basin:	SC
Facility ID:	5484
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1998

SADDLEBACK HOSPITAL (Continued) **1000190046**

County Code:	30
Air Basin:	SC
Facility ID:	5484
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1999
County Code:	30
Air Basin:	SC
Facility ID:	5484
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	30
Air Basin:	SC
Facility ID:	5484
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	30
Air Basin:	SC
Facility ID:	5484
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD

SADDLEBACK HOSPITAL (Continued) **1000190046**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	30
Air Basin:	SC
Facility ID:	5484
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	30
Air Basin:	SC
Facility ID:	5484
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	30
Air Basin:	SC
Facility ID:	5484
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.654919
Reactive Organic Gases Tons/Yr:	0.3
Carbon Monoxide Emissions Tons/Yr:	1.85
NOX - Oxides of Nitrogen Tons/Yr:	2.783

SADDLEBACK HOSPITAL (Continued) **1000190046**

SOX - Oxides of Sulphur Tons/Yr:	0.0239
Particulate Matter Tons/Yr:	0.2079
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.2

Year:	2005
County Code:	30
Air Basin:	SC
Facility ID:	5484
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.1944
Reactive Organic Gases Tons/Yr:	.10354398
Carbon Monoxide Emissions Tons/Yr:	1.835
NOX - Oxides of Nitrogen Tons/Yr:	2.678
SOX - Oxides of Sulphur Tons/Yr:	.0222
Particulate Matter Tons/Yr:	.2007
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.1995552

Year:	2006
County Code:	30
Air Basin:	SC
Facility ID:	5484
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.3861227841464467614
Reactive Organic Gases Tons/Yr:	.205
Carbon Monoxide Emissions Tons/Yr:	1.819
NOX - Oxides of Nitrogen Tons/Yr:	2.61
SOX - Oxides of Sulphur Tons/Yr:	.021
Particulate Matter Tons/Yr:	.196
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.196

Year:	2007
County Code:	30
Air Basin:	SC
Facility ID:	5484
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.3861227841464467614
Reactive Organic Gases Tons/Yr:	.205
Carbon Monoxide Emissions Tons/Yr:	1.819
NOX - Oxides of Nitrogen Tons/Yr:	2.61
SOX - Oxides of Sulphur Tons/Yr:	.021
Particulate Matter Tons/Yr:	.196
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.196

Year:	2007
County Code:	30

SADDLEBACK HOSPITAL (Continued) **1000190046**

Air Basin:	SC
Facility ID:	5484
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.2845069235647739689
Reactive Organic Gases Tons/Yr:	.1300269700000000016
Carbon Monoxide Emissions Tons/Yr:	1.83
NOX - Oxides of Nitrogen Tons/Yr:	2.4
SOX - Oxides of Sulphur Tons/Yr:	.0145795
Particulate Matter Tons/Yr:	.18
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.18

H51 **AST** **A100336892**
WNW **24001 PASEO DE VALENCIA** **N/A**
< 1/8 **LAGUNA HILLS, CA 92653**
0.075 mi.
395 ft. **Site 1 of 6 in cluster H**

Relative:
Higher

Actual:
370 ft.

AST:

Owner:	ORANGE COUNTY FIRE AUTHORTY STA #22
Total Gallons:	1,320
Certified Unified Program Agencies:	Orange

H52 **OR CO FIRE STATION #22** **HIST CORTESE** **U002096242**
WNW **24001 PASEO DE VALENCIA** **CA FID UST** **N/A**
< 1/8 **LAGUNA HILLS, CA 92653**
0.075 mi.
397 ft. **Site 2 of 6 in cluster H**

Relative:
Higher

Actual:
370 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083002314T

CA FID UST:

Facility ID:	30007979
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7148375471
Mail To:	Not reported
Mailing Address:	180 S WATER ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LAGUNA HILLS 92653
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

H53 WNW < 1/8 0.078 mi. 413 ft. — **OR CO FIRE STATION #22**, **24001 PASEO DE VALENCIA**, **LAGUNA HILLS, CA 92637** — **UST** — **U004050573** / **N/A**

Site 3 of 6 in cluster H

Relative: Higher

Actual: 371 ft.

UST:

Facility ID:	6070
Latitude:	33.61346
Longitude:	-117.71292

H54 WNW < 1/8 0.078 mi. 413 ft. — **ORANGE COUNTY FIRE STATION #22**, **24001 PASEO DE VALENCIA**, **LAGUNA HILLS, CA 92653** — **LUST**, **HAZNET** — **S103444577** / **N/A**

Site 4 of 6 in cluster H

Relative: Higher

Actual: 371 ft.

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083002314T
Local Case Num:	93UT062
Case Type:	Other ground water affected
Substance:	12034,800661
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	New Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901687
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Review Date:	Not reported
Prelim Assess:	Not reported
Discover Date:	7/21/1993
Enforcement Date:	Not reported
Close Date:	8/21/2003
Workplan:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	7/18/1997
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.613843
Longitude:	-117.7126686
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0

ORANGE COUNTY FIRE STATION #22 (Continued) **S103444577**

Max MTBE Soil: Not reported
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
MTBE Class: *
Staff: NOM
Staff Initials: JS
Lead Agency: Local Agency
Local Agency: 30000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

HAZNET:
Year: 2003
Gepaid: CAC002560600
Contact: Christine Duker/mgt assist
Telephone: 7142897837
Mailing Name: Not reported
Mailing Address: PO Box 86
Mailing City,St,Zip: Orange, CA 928569086
Gen County: Orange
TSD EPA ID: CAT080013352
TSD County: Orange
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: 12.51
Facility County: Orange

H55 **OR CO FIRE STATION #22** **SWEEPS UST** **U003940940**
WNW **24001 PASEO DE VALENCIA** **N/A**
< 1/8 **LAGUNA HILLS, CA 92653**
0.078 mi.
413 ft. **Site 5 of 6 in cluster H**

Relative:
Higher

Actual:
371 ft.

SWEEPS UST:
Status: A
Comp Number: 6070
Number: 9
Board Of Equalization: Not reported
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-006070-000001
Actv Date: Not reported
Capacity: 1000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: 2

Status: A
Comp Number: 6070

OR CO FIRE STATION #22 (Continued) **U003940940**

Number:	9
Board Of Equalization:	Not reported
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-006070-000002
Actv Date:	Not reported
Capacity:	2000
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	Not reported

H56 WNW < 1/8 0.078 mi. 413 ft. **ORANGE COUNTY FIRE STATION #22** **LUST** **U001577411**
24001 PASEO DE VALENCIA **HIST UST** **N/A**
LAGUNA HILLS, CA 92653

Site 6 of 6 in cluster H

Relative: Higher

Actual: 371 ft.

LUST:

Region:	STATE
Global Id:	T0605901687
Latitude:	33.613843
Longitude:	-117.7126686
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/21/2003
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	KL
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083002314T
LOC Case Number:	93UT062
File Location:	Local Agency Warehouse
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel, Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0605901687
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0605901687
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN LAMBERT
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E DYER ROAD SUITE 120
City:	SANTA ANA
Email:	klambert@ochca.com

ORANGE COUNTY FIRE STATION #22 (Continued) **U001577411**

Phone Number: 7144336261

LUST:

Global Id: T0605901687
Action Type: ENFORCEMENT
Date: 08/21/2003
Action: Closure/No Further Action Letter

Global Id: T0605901687
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

Global Id: T0605901687
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0605901687
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 93UT062
Current Status: Certification (Case Closed)
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed: 08/21/2003
Case Type: Other Ground Water
Record ID: RO0002483

Region: ORANGE
Facility Id: 93UT062
Current Status: Not reported
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 08/21/2003
Case Type: Not reported
Record ID: RO0002483

HIST UST:

Region: STATE
Facility ID: 00000027202
Facility Type: Other
Other Type: FIRE DEPARTMENT
Total Tanks: 0002
Contact Name: CAPTS. FURST, BALDRIDGE, PAWLO
Telephone: 7148375471
Owner Name: ORANGE COUNTY FIRE DEPARTMENT
Owner Address: 180 SO. WATER STREET
Owner City,St,Zip: ORANGE, CA 92666

Tank Num: 001
Container Num: 1
Year Installed: Not reported

ORANGE COUNTY FIRE STATION #22 (Continued) **U001577411**

Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

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57 West < 1/8 0.081 mi. 426 ft.

VALENCIA SHOPPING CENTER
24191 PASEO DE VALENCIA
LAGUNA HILLS, CA

SLIC **S101854123**
HAZNET **N/A**

Relative: Higher

Actual: 368 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/22/1996
Global Id:	SLT8R2344011
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	33.612577
Longitude:	-117.712266
Case Type:	Cleanup Program Site
Case Worker:	MGC
Local Agency:	Not reported
RB Case Number:	SLT8R234
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	Tetrachloroethylene (PCE)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 8:

Type:	Soil and Groundwater
Facility Status:	Closed
Region:	8
Staff:	MGC
Substance:	MGC
Lead Agency:	MGC
Location Code:	MGC
Thomas Bros Code:	MGC

HAZNET:

Year:	1997
Gepaid:	CAL000128365
Contact:	CHU PARK
Telephone:	7145863530
Mailing Name:	Not reported

VALENCIA SHOPPING CENTER (Continued) **S101854123**

Mailing Address:	24191 PASEO DE VALENCIA
Mailing City,St,Zip:	LAGUNA HILLS, CA 926533135
Gen County:	Orange
TSD EPA ID:	CAD981397417
TSD County:	Los Angeles
Waste Category:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	Recycler
Tons:	.0750
Facility County:	Orange

Year:	1996
Gepaid:	CAL000128365
Contact:	CHU PARK
Telephone:	7145863530
Mailing Name:	Not reported
Mailing Address:	24191 PASEO DE VALENCIA
Mailing City,St,Zip:	LAGUNA HILLS, CA 926533135
Gen County:	Orange
TSD EPA ID:	CAD981397417
TSD County:	Los Angeles
Waste Category:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	Recycler
Tons:	.1668
Facility County:	Orange

Year:	1995
Gepaid:	CAL000128365
Contact:	CHU PARK
Telephone:	7145863530
Mailing Name:	Not reported
Mailing Address:	24191 PASEO DE VALENCIA
Mailing City,St,Zip:	LAGUNA HILLS, CA 926533135
Gen County:	Orange
TSD EPA ID:	CAD981397417
TSD County:	Los Angeles
Waste Category:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	Recycler
Tons:	.4400
Facility County:	Orange

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58 **HOME FEDERAL SAVINGS AND LOAN** **HIST CORTESE** **S101299820**
NNW **23941 AVENEDA DE LA CARLOTA** **LUST** **N/A**
< 1/8 **LAGUNA HILLS, CA 92667** **SLIC**
0.084 mi.
446 ft.

Relative:
Higher

Actual:
365 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083000799T

LUST REG 8:

Region:	8

HOME FEDERAL SAVINGS AND LOAN (Continued) **S101299820**

County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083000799T
Local Case Num:	91ic57
Case Type:	Aquifer affected
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Pump and Treat Ground Water - generally employed to remove dissolved contaminants
Cross Street:	EL TORO
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Not reported
How Stopped:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Global ID:	T0605900630
How Stopped Date:	Not reported
Enter Date:	3/28/1988
Review Date:	Not reported
Prelim Assess:	Not reported
Discover Date:	Not reported
Enforcement Date:	Not reported
Close Date:	5/7/1992
Workplan:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	3/28/1988
Monitoring:	Not reported
Enter Date:	3/28/1988
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LOCNL
Latitude:	33.6142749
Longitude:	-117.7093125
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	NOM
Staff Initials:	Not reported
Lead Agency:	Local Agency
Local Agency:	30000
Hydr Basin #:	ALISO CREEK (9-31)
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	50,000 GAL/DAY OF TREATED WATER AND UP TO 300,000 GAL/DAY OF UNCONTAMINATED WATER FROM CONSTRUCTION DEWATERING SHALL BE DISCHARGED TO A STORM DRAIN ON EL

HOME FEDERAL SAVINGS AND LOAN (Continued) **S101299820**

TORO ROAD, TRIBUTARY TO ALISO CK.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/07/1992
Global Id:	T0605900630
Lead Agency:	ORANGE COUNTY
Lead Agency Case Number:	91ic57
Latitude:	33.6132003
Longitude:	-117.7069281
Case Type:	Cleanup Program Site
Case Worker:	OC
Local Agency:	ORANGE COUNTY
RB Case Number:	083000799T
File Location:	Not reported
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

I59 **SADDLEBACK VALLEY RADIOLOGY** **RCRA NonGen / NLR** **1000597802**
WSW **23961 CALLE DE LA MAGDALENA** **FINDS** **CAD983618323**
< 1/8 **LAGUNA HILLS, CA 92653**
0.098 mi.
519 ft. **Site 1 of 3 in cluster I**

Relative:
Lower

Actual:
351 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/09/1995
Facility name:	SADDLEBACK VALLEY RADIOLOGY
Facility address:	23961 CALLE DE LA MAGDALENA STE 217 LAGUNA HILLS, CA 92653
EPA ID:	CAD983618323
Contact:	SHIRLEY TURLEY
Contact address:	23961 CALLE DE LA MAGDALENA STE 217 LAGUNA HILLS, CA 92653
Contact country:	US
Contact telephone:	(714) 855-4301
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SADDLEBACK VALLEY RAD TECH SERV
Owner/operator address:	23961 CALLE MAGDALENA STE 217 LAGUNA HILLS, CA 92653
Owner/operator country:	Not reported
Owner/operator telephone:	(714) 855-4301
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

SADDLEBACK VALLEY RADIOLOGY (Continued) **1000597802**

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002868503

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

I60 **SADDLEBACK VALLEY MEDICAL CENTER** **UST** **U003778974**
WSW **23961 CALLE DE LA MAGDALENA** **N/A**
< 1/8 **LAGUNA HILLS, CA 92653**
0.098 mi.
519 ft. **Site 2 of 3 in cluster I**

Relative:
Lower

Actual:
351 ft.

UST:

Facility ID:	12192
Latitude:	33.60902
Longitude:	-117.71069

I61 **SADDLEBACK C T AND M R I CTRS** **RCRA-SQG** **1000597812**
WSW **23961 CALLE DE LA MAGDALENA** **HAZNET** **CAD983618430**
< 1/8 **LAGUNA HILLS, CA 92653**
0.098 mi.
519 ft. **Site 3 of 3 in cluster I**

Relative:
Lower

Actual:
351 ft.

RCRA-SQG:

Date form received by agency:	02/05/1992
Facility name:	SADDLEBACK C T AND M R I CTRS
Facility address:	23961 CALLE DE LA MAGDALENA STE 243 LAGUNA HILLS, CA 92653
EPA ID:	CAD983618430

SADDLEBACK C T AND M R I CTRS (Continued) **1000597812**

Mailing address:	CALLE DE LA MAGDALENA STE 243 LAGUNA HILLS, CA 92653
Contact:	CAROLYN TURNER
Contact address:	23961 CALLE DE LA MAGDALENA STE 243 LAGUNA HILLS, CA 92653
Contact country:	US
Contact telephone:	(714) 770-3977
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	SADDLEBACK C T CTR
Owner/operator address:	23961 CALLE MAGDALENA STE 243 LAGUNA HILLS, CA 92653
Owner/operator country:	Not reported
Owner/operator telephone:	(714) 770-3977
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

HAZNET:

Year:	1996
Gepaid:	CAD983618430
Contact:	SADDLEBACK C T CTR
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	23961 CALLE DE LA MAGDALENA STE 243
Mailing City,St,Zip:	LAGUNA HILLS, CA 926530000
Gen County:	Orange
TSD EPA ID:	CAD982433575

SADDLEBACK C T AND M R I CTRS (Continued) **1000597812**

TSD County:	Los Angeles
Waste Category:	Other inorganic solid waste
Disposal Method:	Recycler
Tons:	.0050
Facility County:	Orange

Year:	1996
Gepaid:	CAD983618430
Contact:	SADDLEBACK C T CTR
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	23961 CALLE DE LA MAGDALENA STE 243
Mailing City,St,Zip:	LAGUNA HILLS, CA 926530000
Gen County:	Orange
TSD EPA ID:	CAD982433575
TSD County:	Los Angeles
Waste Category:	Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	Recycler
Tons:	.0208
Facility County:	Orange

Year:	1996
Gepaid:	CAD983618430
Contact:	SADDLEBACK C T CTR
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	23961 CALLE DE LA MAGDALENA STE 243
Mailing City,St,Zip:	LAGUNA HILLS, CA 926530000
Gen County:	Orange
TSD EPA ID:	CAD981402522
TSD County:	Kern
Waste Category:	Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	Recycler
Tons:	.0541
Facility County:	Orange

Year:	1995
Gepaid:	CAD983618430
Contact:	SADDLEBACK C T CTR
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	23961 CALLE DE LA MAGDALENA STE 243
Mailing City,St,Zip:	LAGUNA HILLS, CA 926530000
Gen County:	Orange
TSD EPA ID:	CAD982433575
TSD County:	Los Angeles
Waste Category:	Other inorganic solid waste
Disposal Method:	Recycler
Tons:	.0015
Facility County:	Orange

Year:	1995
Gepaid:	CAD983618430
Contact:	SADDLEBACK C T CTR
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	23961 CALLE DE LA MAGDALENA STE 243

SADDLEBACK C T AND M R I CTRS (Continued) **1000597812**

Mailing City,St,Zip: LAGUNA HILLS, CA 926530000
Gen County: Orange
TSD EPA ID: CAD982433575
TSD County: Los Angeles
Waste Category: Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: Recycler
Tons: .0375
Facility County: Orange

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

62
NW
1/8-1/4
0.143 mi.
754 ft.

23521 PASEO DE VALENCIA
LAGUNA HILLS, CA 92653

EDR US Hist Cleaners **1015024594**
N/A

Relative:
Higher

Actual:
367 ft.

EDR Historical Cleaners:
Name: STAR LAUNDRY
Year: 2003
Address: 23521 PASEO DE VALENCIA

J63
North
1/8-1/4
0.162 mi.
853 ft.

23891 BRIDGER RD
LAKE FOREST, CA 92630

Site 1 of 4 in cluster J

EDR US Hist Auto Stat **1015352250**
N/A

Relative:
Higher

Actual:
377 ft.

EDR Historical Auto Stations:
Name: LAGUNA HILLS CHEVRON
Year: 1999
Address: 23891 BRIDGER RD

Name: EL TORO AUTO CTR
Year: 2001
Address: 23891 BRIDGER RD

Name: EL TORO CHEVRON SERVICE
Year: 2002
Address: 23891 BRIDGER RD

Name: EL TORO CHEVRON SUBWAY
Year: 2003
Address: 23891 BRIDGER RD

Name: EL TORO CHEVRON SUBWAY
Year: 2005
Address: 23891 BRIDGER RD

Name: CHEVRON SUBWAY LLC
Year: 2006
Address: 23891 BRIDGER RD

Name: CHEVRON SUBWAY LLC
Year: 2007

(Continued) **1015352250**

Address: 23891 BRIDGER RD

Name: EL TORO CHEVRON
Year: 2008
Address: 23891 BRIDGER RD

Name: EL TORO CHEVRON SUBWAY
Year: 2009
Address: 23891 BRIDGER RD

Name: EL TORO CHEVRON
Year: 2010
Address: 23891 BRIDGER RD

Name: EL TORO CHEVRON SUBWAY
Year: 2012
Address: 23891 BRIDGER RD

J64 **IMATAH INC** **HIST CORTESE** **S103644904**
North **23891 BRIDGER RD** **LUST** **N/A**
1/8-1/4 **LAKE FOREST, CA 92630** **SWEEPS UST**
0.162 mi. **HAZNET**
853 ft. **Site 2 of 4 in cluster J**

Relative:
Higher

Actual:
377 ft.

CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083001666T

LUST:
Region: STATE
Global Id: T0605901255
Latitude: 33.6153569
Longitude: -117.7069164
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 03/16/2004
Lead Agency: ORANGE COUNTY LOP
Case Worker: KL
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083001666T
LOC Case Number: 90UT201
File Location: Local Agency Warehouse
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel, Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
Global Id: T0605901255
Contact Type: Regional Board Caseworker
Contact Name: TOM E. MBEKE-EKANEM
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: tmbeke-ekanem@waterboards.ca.gov

IMATAH INC (Continued) **S103644904**

Phone Number: 9513202007

Global Id: T0605901255
Contact Type: Local Agency Caseworker
Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP
Address: 1241 E DYER ROAD SUITE 120
City: SANTA ANA
Email: klambert@ochca.com
Phone Number: 7144336261

LUST:
Global Id: T0605901255
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

Global Id: T0605901255
Action Type: REMEDIATION
Date: 01/01/1950
Action: Soil Vapor Extraction (SVE)

Global Id: T0605901255
Action Type: ENFORCEMENT
Date: 03/16/2004
Action: Closure/No Further Action Letter

Global Id: T0605901255
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0605901255
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Region: STATE
Global Id: T0605906266
Latitude: 33.615471
Longitude: -117.7076
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/28/1990
Lead Agency: ORANGE COUNTY LOP
Case Worker: KL
Local Agency: ORANGE COUNTY LOP
RB Case Number: Not reported
LOC Case Number: 90UT102
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

IMATAH INC (Continued) **S103644904**

LUST:

Global Id:	T0605906266
Contact Type:	Regional Board Caseworker
Contact Name:	TOM E. MBEKE-EKANEM
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	tmbeke-ekanem@waterboards.ca.gov
Phone Number:	9513202007

Global Id:	T0605906266
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN LAMBERT
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E DYER ROAD SUITE 120
City:	SANTA ANA
Email:	klambert@ochca.com
Phone Number:	7144336261

LUST:

Global Id:	T0605906266
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

Global Id:	T0605906266
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	90UT201
Current Status:	Certification (Case Closed)
Released Substance:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed:	03/16/2004
Case Type:	Other Ground Water
Record ID:	RO0001747

Region:	ORANGE
Facility Id:	90UT201
Current Status:	Not reported
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	03/16/2004
Case Type:	Not reported
Record ID:	RO0001747

Region:	ORANGE
Facility Id:	90UT102
Current Status:	Certification (Case Closed)
Released Substance:	Waste oil/Used oil
Date Closed:	10/28/1990
Case Type:	Soil Only
Record ID:	RO0001792

IMATAH INC (Continued) **S103644904**

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083001666T
Local Case Num:	90UT201
Case Type:	Other ground water affected
Substance:	12034,800661
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	New Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901255
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Review Date:	Not reported
Prelim Assess:	Not reported
Discover Date:	7/10/1990
Enforcement Date:	Not reported
Close Date:	3/16/2004
Workplan:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	4/1/1996
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6153569
Longitude:	-117.7069164
MTBE Date:	6/10/2002
Max MTBE GW:	121
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	TME
Staff Initials:	JS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

IMATAH INC (Continued) **S103644904**

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	Not reported
Local Case Num:	90UT102
Case Type:	Soil only
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605906266
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Review Date:	Not reported
Prelim Assess:	Not reported
Discover Date:	4/17/1990
Enforcement Date:	Not reported
Close Date:	10/28/1990
Workplan:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	Not reported
Longitude:	Not reported
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	TME
Staff Initials:	JS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

IMATAH INC (Continued) **S103644904**

SWEEPS UST:

Status:	Not reported
Comp Number:	2094
Number:	Not reported
Board Of Equalization:	44-015903
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002094-000001
Actv Date:	Not reported
Capacity:	1000
Tank Use:	UNKNOWN
Stg:	PRODUCT
Content:	Not reported
Number Of Tanks:	5

Status:	Not reported
Comp Number:	2094
Number:	Not reported
Board Of Equalization:	44-015903
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002094-000005
Actv Date:	Not reported
Capacity:	10000
Tank Use:	UNKNOWN
Stg:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2094
Number:	Not reported
Board Of Equalization:	44-015903
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002094-000006
Actv Date:	Not reported
Capacity:	10000
Tank Use:	UNKNOWN
Stg:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2094
Number:	Not reported
Board Of Equalization:	44-015903
Ref Date:	Not reported

IMATAH INC (Continued) **S103644904**

Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002094-000007
Actv Date:	Not reported
Capacity:	5000
Tank Use:	UNKNOWN
Stg:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2094
Number:	Not reported
Board Of Equalization:	44-015903
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002094-000008
Actv Date:	Not reported
Capacity:	10000
Tank Use:	UNKNOWN
Stg:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	A
Comp Number:	2094
Number:	9
Board Of Equalization:	44-015903
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002094-000009
Actv Date:	Not reported
Capacity:	10054
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	5

Status:	A
Comp Number:	2094
Number:	9
Board Of Equalization:	44-015903
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002094-000010
Actv Date:	Not reported

IMATAH INC (Continued) **S103644904**

Capacity:	10054
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	2094
Number:	9
Board Of Equalization:	44-015903
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002094-000011
Actv Date:	Not reported
Capacity:	10054
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	2094
Number:	9
Board Of Equalization:	44-015903
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002094-000012
Actv Date:	Not reported
Capacity:	10054
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	Not reported

Status:	A
Comp Number:	2094
Number:	9
Board Of Equalization:	44-015903
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002094-000013
Actv Date:	Not reported
Capacity:	1019
Tank Use:	PETROLEUM
Stg:	P
Content:	Not reported
Number Of Tanks:	Not reported

IMATAH INC (Continued) **S103644904**

HAZNET:

Year:	2011
Gepaid:	CAL000122993
Contact:	FRED HATAMI
Telephone:	9498371459
Mailing Name:	Not reported
Mailing Address:	23891 BRIDGER RD
Mailing City,St,Zip:	LAKE FOREST, CA 926303712
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.125
Facility County:	Orange

Year:	2011
Gepaid:	CAL000122993
Contact:	FRED HATAMI
Telephone:	9498371459
Mailing Name:	Not reported
Mailing Address:	23891 BRIDGER RD
Mailing City,St,Zip:	LAKE FOREST, CA 926303712
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.126
Facility County:	Orange

Year:	2009
Gepaid:	CAL000122993
Contact:	FRED HATAMI
Telephone:	9498371459
Mailing Name:	Not reported
Mailing Address:	23891 BRIDGER RD
Mailing City,St,Zip:	LAKE FOREST, CA 926303712
Gen County:	Orange
TSD EPA ID:	CAD982444481
TSD County:	San Bernardino
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.21
Facility County:	Orange

Year:	2009
Gepaid:	CAL000122993
Contact:	FRED HATAMI
Telephone:	9498371459
Mailing Name:	Not reported
Mailing Address:	23891 BRIDGER RD
Mailing City,St,Zip:	LAKE FOREST, CA 926303712
Gen County:	Orange

IMATAH INC (Continued) **S103644904**

TSD EPA ID: CAD982444481
TSD County: San Bernardino
Waste Category: Other organic solids
Disposal Method: Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 0.05
Facility County: Orange

Year: 2001
Gepaid: CAL000122993
Contact: FRED HATAMI
Telephone: 7148371459
Mailing Name: Not reported
Mailing Address: 23891 BRIDGER RD
Mailing City,St,Zip: LAKE FOREST, CA 926300000
Gen County: Orange
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.83
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

J65 **CHEVRON INC (9-0141)** **UST** **U003432878**
North **23891 BRIDGER RD** **N/A**
1/8-1/4 **LAKE FOREST, CA 92630**
0.162 mi.
853 ft. **Site 3 of 4 in cluster J**

Relative:
Higher

Actual:
377 ft.

UST:
Facility ID: 2094
Latitude: 33.61569
Longitude: -117.70725

ORANGE CO. UST:
Facility ID: FA0024983

J66 **90141** **HIST UST** **U001576927**
North **23891 BRIDGER RD** **N/A**
1/8-1/4 **EL TORO, CA 92630**
0.162 mi.
853 ft. **Site 4 of 4 in cluster J**

Relative:
Higher

Actual:
377 ft.

HIST UST:
Region: STATE
Facility ID: 00000061733
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0005
Contact Name: WILLIAMS,DARRELL
Telephone: 7145867319
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105

90141 (Continued) **U001576927**

Tank Num: 001
Container Num: 1
Year Installed: 1970
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1970
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1979
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1970
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: 1970
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 0000130 unknown
Leak Detection: Stock Inventor

K67 **EXXON SERVICE STATION** **HIST UST** **U001576937**
North **23852 EL TORO RD** **N/A**
1/8-1/4 **EL TORO, CA 92630**
0.190 mi.
1005 ft. **Site 1 of 11 in cluster K**

Relative:
Higher

Actual:
379 ft.

HIST UST:
Region: STATE
Facility ID: 00000024031
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0005
Contact Name: ARNOLD GASSER

EXXON SERVICE STATION (Continued) **U001576937**

Telephone: 7147689919
Owner Name: EXXON COMPANY U.S.A.
Owner Address: 16945 NORTH CHASE BLVD.
Owner City,St,Zip: HOUSTON, TX 77210

Tank Num: 001
Container Num: 1
Year Installed: 1981
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1981
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1981
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1981
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: 1981
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Stock Inventor

K68 North 1/8-1/4 0.190 mi. 1005 ft. | **TESORO WEST COAST COMPANY LLC NO 68146**
23852 EL TORO RD
LAKE FOREST, CA 92630

RCRA-SQG
FINDS
HAZNET

1006806012
CAR000144154

Site 2 of 11 in cluster K

Relative: Higher

Actual: 379 ft.

RCRA-SQG:

Date form received by agency:	05/09/2007
Facility name:	TESORO WEST COAST COMPANY LLC NO 68146
Facility address:	23852 EL TORO RD LAKE FOREST, CA 92630
EPA ID:	CAR000144154
Mailing address:	3450 S 344TH WAY STE 201 AUBURN, WA 98001
Contact:	ROB DONOVAN
Contact address:	3450 S 344TH WAY STE 201 AUBURN, WA 98001
Contact country:	US
Contact telephone:	253-896-8716
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	TESORO WEST COAST COMPANY LLC
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	05/01/2007
Owner/Op end date:	Not reported

Owner/operator name:	TESORO WEST COAST COMPANY LLC
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	05/01/2007
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No

TESORO WEST COAST COMPANY LLC NO 68146 (Continued) **1006806012**

Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	03/13/2003
Facility name:	TESORO WEST COAST COMPANY LLC NO 68146
Site name:	USA GASOLINE CORPORATION FACILITY NO 825
Classification:	Small Quantity Generator

Hazardous Waste Summary:

Waste code:	D018
Waste name:	BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110014461938

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year:	2005
Gepaid:	CAR000144154
Contact:	C. MILLER/MGR
Telephone:	8052149200
Mailing Name:	Not reported
Mailing Address:	905 RANCHO CONEJO BLVD
Mailing City,St,Zip:	NEWBURY PARK, CA 913200000
Gen County:	Orange
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Recycler
Tons:	2.91
Facility County:	Not reported

Year: 2004

TESORO WEST COAST COMPANY LLC NO 68146 (Continued) **1006806012**

Gepaid:	CAR000144154
Contact:	C. MILLER/MGR
Telephone:	8052149200
Mailing Name:	Not reported
Mailing Address:	905 RANCHO CONEJO BLVD
Mailing City,St,Zip:	NEWBURY PARK, CA 913200000
Gen County:	Orange
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Recycler
Tons:	2.91
Facility County:	Not reported

K69
North
1/8-1/4
0.190 mi.
1005 ft.

EXXON #7-4160 **SWEEPS UST** **U003939664**
23852 EL TORO RD **N/A**
LAKE FOREST, CA 92630

Site 3 of 11 in cluster K

Relative:
Higher

Actual:
379 ft.

SWEEPS UST:

Status:	A
Comp Number:	2088
Number:	9
Board Of Equalization:	44-000285
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002088-000006
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	LEADED
Number Of Tanks:	4

Status:	A
Comp Number:	2088
Number:	9
Board Of Equalization:	44-000285
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002088-000007
Actv Date:	Not reported
Capacity:	12000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	2088
Number:	9

EXXON #7-4160 (Continued) **U003939664**

Board Of Equalization:	44-000285
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002088-000008
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	Not reported

Status:	A
Comp Number:	2088
Number:	9
Board Of Equalization:	44-000285
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002088-000009
Actv Date:	Not reported
Capacity:	6000
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	Not reported

K70 **EDR US Hist Auto Stat** **1015352154**
North **23852 EL TORO RD** **N/A**
1/8-1/4 **LAKE FOREST, CA 92630**
0.190 mi.
1005 ft. **Site 4 of 11 in cluster K**

Relative:
Higher

Actual:
379 ft.

EDR Historical Auto Stations:

Name:	USA PETROLEUM CORPORATION
Year:	1999
Address:	23852 EL TORO RD

Name:	USA PETROLEUM CORP
Year:	2001
Address:	23852 EL TORO RD

Name:	USA PETROLEUM CORP
Year:	2003
Address:	23852 EL TORO RD

Name:	USA PETROLEUM CORP
Year:	2004
Address:	23852 EL TORO RD

Name:	USA PETROLEUM CORP
Year:	2005
Address:	23852 EL TORO RD

(Continued) **1015352154**

Name: USA PETROLEUM CORP
Year: 2006
Address: 23852 EL TORO RD

Name: USA PETROLEUM CORP
Year: 2007
Address: 23852 EL TORO RD

Name: USA PETROLEUM CORP
Year: 2008
Address: 23852 EL TORO RD

Name: USA PETROLEUM CORP
Year: 2009
Address: 23852 EL TORO RD

Name: USA GAS
Year: 2011
Address: 23852 EL TORO RD

Name: USA PETROLEUM CORP
Year: 2012
Address: 23852 EL TORO RD

K71 **EXXON** **LUST** **S106175189**
North **23852 EL TORO** **ENF** **N/A**
1/8-1/4 **LAKE FOREST, CA 92630**
0.190 mi.
1005 ft. **Site 5 of 11 in cluster K**

Relative:
Higher

Actual:
379 ft.

LUST:
Region: STATE
Global Id: T0605936712
Latitude: 33.615446
Longitude: -117.706086
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 12/14/2005
Lead Agency: ORANGE COUNTY LOP
Case Worker: KL
Local Agency: ORANGE COUNTY LOP
RB Case Number: Not reported
LOC Case Number: 03UT024
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel, Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
Global Id: T0605936712
Contact Type: Regional Board Caseworker
Contact Name: Roger Mitchell
Organization Name: SAN DIEGO RWQCB (REGION 9)
Address: 9174 SKY PARK COURT, SUITE 100
City: SAN DIEGO
Email: Not reported

EXXON (Continued) **S106175189**

Phone Number: Not reported

Global Id: T0605936712
Contact Type: Local Agency Caseworker
Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP
Address: 1241 E DYER ROAD SUITE 120
City: SANTA ANA
Email: klambert@ochca.com
Phone Number: 7144336261

LUST:
Global Id: T0605936712
Action Type: ENFORCEMENT
Date: 06/18/2003
Action: * Corrective Action Orders

Global Id: T0605936712
Action Type: ENFORCEMENT
Date: 06/18/2003
Action: Notice of Responsibility

Global Id: T0605936712
Action Type: ENFORCEMENT
Date: 05/14/2004
Action: Staff Letter

Global Id: T0605936712
Action Type: ENFORCEMENT
Date: 12/14/2005
Action: Closure/No Further Action Letter

Global Id: T0605936712
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

Global Id: T0605936712
Action Type: RESPONSE
Date: 09/29/2003
Action: Soil and Water Investigation Workplan

Global Id: T0605936712
Action Type: RESPONSE
Date: 07/14/2003
Action: Other Report / Document

Global Id: T0605936712
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0605936712
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

EXXON (Continued) **S106175189**

Region:	STATE
Global Id:	T0605900965
Latitude:	33.6157689
Longitude:	-117.7060684
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/20/2004
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	KL
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083001244T
LOC Case Number:	88UT067
File Location:	Local Agency Warehouse
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0605900965
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN LAMBERT
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E DYER ROAD SUITE 120
City:	SANTA ANA
Email:	klambert@ochca.com
Phone Number:	7144336261

Global Id:	T0605900965
Contact Type:	Regional Board Caseworker
Contact Name:	CARL BERNHARDT
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	cbernhardt@waterboards.ca.gov
Phone Number:	9517824495

LUST:

Global Id:	T0605900965
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	In Situ Physical/Chemical Treatment (other than SVE)

Global Id:	T0605900965
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation

Global Id:	T0605900965
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Soil Vapor Extraction (SVE)

Global Id:	T0605900965
Action Type:	ENFORCEMENT
Date:	05/28/2003

EXXON (Continued) **S106175189**

Action: * Historical Enforcement

Global Id: T0605900965
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0605900965
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0605900965
Action Type: ENFORCEMENT
Date: 09/20/2004
Action: Closure/No Further Action Letter

Global Id: T0605900965
Action Type: RESPONSE
Date: 09/22/2003
Action: Soil and Water Investigation Report

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 88UT067
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 08/19/2004
Case Type: Other Ground Water
Record ID: RO0002476

Region: ORANGE
Facility Id: 03UT024
Current Status: Certification (Case Closed)
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed: 12/14/2005
Case Type: Other Ground Water
Record ID: RO0003205

Region: ORANGE
Facility Id: 03UT024
Current Status: Not reported
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 12/14/2005
Case Type: Not reported
Record ID: RO0003205

LUST REG 8:
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083001244T
Local Case Num: 88UT067
Case Type: Other ground water affected

EXXON (Continued) **S106175189**

Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	OM
How Stopped:	Other Means
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900965
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Review Date:	Not reported
Prelim Assess:	4/6/1988
Discover Date:	4/6/1988
Enforcement Date:	Not reported
Close Date:	9/20/2004
Workplan:	Not reported
Pollution Char:	7/22/1993
Remed Plan:	Not reported
Remed Action:	2/1/1996
Monitoring:	8/1/1998
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6157689
Longitude:	-117.7060684
MTBE Date:	9/19/2001
Max MTBE GW:	360
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	CAB
Staff Initials:	JS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

ENF:

Region:	9
Facility Id:	269510
Agency Name:	Orange Cnty Health Care Agency
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities

EXXON (Continued) **S106175189**

Agency Type:	County Agency
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	TANKS
# Of Programs:	1
WDID:	03UT024
Reg Measure Id:	153949
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	256549
Region:	9

EXXON (Continued) **S106175189**

Order / Resolution Number:	R9-2005-0164
Enforcement Action Type:	13267 Letter
Effective Date:	05/20/2005
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 03UT024
Description:	ORDER ISSUED UNDER AUTHORITY WC SEC 13325, REQUIRING COUNTY LOP TO COMPEL DISCHARGER TO COMPLY WITH MINIMUM ELECTRONIC REPORTING REGULATIONS BEFORE SUBMITTING LOP CASE CLOSURE SUMMARY TO REGIONAL BOARD FOR REVIEW.
Program:	TANKS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

K72 **EXXON #7-4160** **UST** **U003832066**
North **23852 EL TORO RD** **N/A**
1/8-1/4 **LAKE FOREST, CA 92630**
0.190 mi.
1005 ft. **Site 6 of 11 in cluster K**

Relative:
Higher

Actual:
379 ft.

UST:

Facility ID:	2088
Latitude:	33.61585
Longitude:	-117.70619

ORANGE CO. UST:

Facility ID:	FA0049698

K73 **JAMES P. BOYD** **HIST UST** **U001576939**
North **23842 EL TORO RD** **N/A**
1/8-1/4 **EL TORO, CA 92630**
0.213 mi.
1124 ft. **Site 7 of 11 in cluster K**

Relative:
Higher

Actual:
380 ft.

HIST UST:

Region:	STATE
Facility ID:	00000009515
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0004
Contact Name:	SAME
Telephone:	7148370500
Owner Name:	SHELL OIL COMPANY
Owner Address:	P.O. BOX 4848
Owner City,St,Zip:	ANAHEIM, CA 92803

JAMES P. BOYD (Continued) **U001576939**

Tank Num:	001
Container Num:	1
Year Installed:	1968
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Tank Construction:	12 gauge
Leak Detection:	Stock Inventor, 10

Tank Num:	002
Container Num:	2
Year Installed:	1983
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor, Groundwater Monitoring Well, 10

Tank Num:	003
Container Num:	3
Year Installed:	1983
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor, Groundwater Monitoring Well, 10

Tank Num:	004
Container Num:	4
Year Installed:	1983
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor, Groundwater Monitoring Well, 10

K74 **EDR US Hist Cleaners** **1015025107**
North **23842 EL TORO RD** **N/A**
1/8-1/4 **LAKE FOREST, CA 92630**
0.213 mi.
1124 ft. **Site 8 of 11 in cluster K**

Relative:
Higher

Actual:
380 ft.

EDR Historical Cleaners:

Name:	DRY CLEAN EXPRESS
Year:	2009
Address:	23842 EL TORO RD

Name:	DRY CLEAN EXPRESS
Year:	2010
Address:	23842 EL TORO RD

Name:	DRY CLEAN EXPRESS
Year:	2011
Address:	23842 EL TORO RD

Name:	DRY CLEAN EXPRESS
Year:	2012
Address:	23842 EL TORO RD

K75 **EDR US Hist Auto Stat** **1015352115**
North **23842 EL TORO RD** **N/A**
1/8-1/4 **LAKE FOREST, CA 92630**
0.213 mi.
1124 ft. **Site 9 of 11 in cluster K**

Relative:
Higher

Actual:
380 ft.

EDR Historical Auto Stations:

Name:	SHELL SERVICE STATIONS LAKE FOREST
Year:	1999
Address:	23842 EL TORO RD

K76 **SHELL OIL** **LUST** **S105774352**
North **23842 EL TORO** **N/A**
1/8-1/4 **LAKE FOREST, CA 92630**
0.213 mi.
1124 ft. **Site 10 of 11 in cluster K**

Relative:
Higher

Actual:
380 ft.

LUST:

Region:	STATE
Global Id:	T0605902278
Latitude:	33.6158299
Longitude:	-117.7059824
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/29/2005
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	KL
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	99UT030
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0605902278
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN LAMBERT
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E DYER ROAD SUITE 120
City:	SANTA ANA
Email:	klambert@ochca.com
Phone Number:	7144336261

Global Id:	T0605902278
Contact Type:	Regional Board Caseworker
Contact Name:	Roger Mitchell
Organization Name:	SAN DIEGO RWQCB (REGION 9)
Address:	9174 SKY PARK COURT, SUITE 100
City:	SAN DIEGO
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0605902278
Contact Type:	Regional Board Caseworker
Contact Name:	CARL BERNHARDT
Organization Name:	SANTA ANA RWQCB (REGION 8)

SHELL OIL (Continued) **S105774352**

Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: cbernhardt@waterboards.ca.gov
Phone Number: 9517824495

LUST:
Global Id: T0605902278
Action Type: ENFORCEMENT
Date: 09/29/2005
Action: Closure/No Further Action Letter

Global Id: T0605902278
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

Global Id: T0605902278
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0605902278
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 99UT030
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 09/29/2005
Case Type: Other Ground Water
Record ID: RO0001822

LUST REG 8:
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Pollution Characterization
Case Number: 083003449T
Local Case Num: 99UT030
Case Type: Other ground water affected
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Close Tank
Leak Cause: Unknown
Leak Source: Unknown
Global ID: T0605902278
How Stopped Date: 9/9/9999

SHELL OIL (Continued) **S105774352**

Enter Date:	Not reported
Review Date:	Not reported
Prelim Assess:	Not reported
Discover Date:	1/7/1999
Enforcement Date:	Not reported
Close Date:	Not reported
Workplan:	Not reported
Pollution Char:	12/8/1999
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6158299
Longitude:	-117.7059824
MTBE Date:	9/18/2002
Max MTBE GW:	12000
MTBE Concentration:	0
Max MTBE Soil:	2600
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	CAB
Staff Initials:	JS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

K77 **JIM BOYD SHELL** **UST** **U003984020**
North **23842 EL TORO RD** **SWEEPS UST** **N/A**
1/8-1/4 **LAKE FOREST, CA 92630**
0.213 mi.
1124 ft. **Site 11 of 11 in cluster K**

Relative:
Higher

Actual:
380 ft.

UST:

Facility ID:	2089
Latitude:	33.61612
Longitude:	-117.70584

SWEEPS UST:

Status:	A
Comp Number:	2089
Number:	9
Board Of Equalization:	44-015900
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88

JIM BOYD SHELL (Continued) **U003984020**

Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002089-000001
Actv Date:	Not reported
Capacity:	550
Tank Use:	PETROLEUM
Stg:	P
Content:	Not reported
Number Of Tanks:	4

Status:	A
Comp Number:	2089
Number:	9
Board Of Equalization:	44-015900
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002089-000004
Actv Date:	Not reported
Capacity:	12000
Tank Use:	M.V. FUEL
Stg:	P
Content:	LEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	2089
Number:	9
Board Of Equalization:	44-015900
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002089-000005
Actv Date:	Not reported
Capacity:	12000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	2089
Number:	9
Board Of Equalization:	44-015900
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-002089-000006
Actv Date:	Not reported
Capacity:	12000
Tank Use:	M.V. FUEL

JIM BOYD SHELL (Continued) **U003984020**

Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

---

78 NNW 1/8-1/4 0.225 mi. 1186 ft.

JACKS CAMERAS
23811 BRIDGER RD
EL TORO, CA 92630

RCRA-SQG FINDS **1000272188 CAD982475220**

Relative: Higher

Actual: 375 ft.

RCRA-SQG:
Date form received by agency: 06/16/1988
Facility name: JACKS CAMERAS
Facility address: 23811 BRIDGER RD
EL TORO, CA 92630
EPA ID: CAD982475220
Contact: ENVIRONMENTAL MANAGER
Contact address: 23811 BRIDGER RD
EL TORO, CA 92630
Contact country: US
Contact telephone: (714) 586-3331
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: JACK H CANNON
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No

JACKS CAMERAS (Continued) **1000272188**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002822447

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

L79
North
1/8-1/4
0.236 mi.
1247 ft.

MOBIL #18-378 **HIST CORTESE** **S102433791**
23771 EL TORO **LUST** **N/A**
LAKE FOREST, CA 92630 **HAZNET**

Site 1 of 6 in cluster L

Relative:
Higher

Actual:
382 ft.

CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083000271T

LUST:
Region: STATE
Global Id: T0605900211
Latitude: 33.6173027
Longitude: -117.7047362
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/02/1986
Lead Agency: ORANGE COUNTY LOP
Case Worker: KL
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083000271T
LOC Case Number: 86UT087
File Location: Local Agency
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

MOBIL #18-378 (Continued) **S102433791**

LUST:

Global Id:	T0605900211
Contact Type:	Regional Board Caseworker
Contact Name:	ROSE SCOTT
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	rscott@waterboards.ca.gov
Phone Number:	9513206375

Global Id:	T0605900211
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN LAMBERT
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E DYER ROAD SUITE 120
City:	SANTA ANA
Email:	klambert@ochca.com
Phone Number:	7144336261

Region:	STATE
Global Id:	T0605902221
Latitude:	33.6169788
Longitude:	-117.7052813
Case Type:	LUST Cleanup Site
Status:	Open - Site Assessment
Status Date:	03/10/2009
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	KL
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083003311T
LOC Case Number:	98UT091
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0605902221
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN LAMBERT
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E DYER ROAD SUITE 120
City:	SANTA ANA
Email:	klambert@ochca.com
Phone Number:	7144336261

Global Id:	T0605902221
Contact Type:	Regional Board Caseworker
Contact Name:	ROSE SCOTT
Organization Name:	SANTA ANA RWQCB (REGION 8)

MOBIL #18-378 (Continued) **S102433791**

Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rscott@waterboards.ca.gov
Phone Number: 9513206375

LUST:

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 11/18/2010
Action: Staff Letter

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 04/26/2010
Action: Staff Letter

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 05/04/2012
Action: Staff Letter

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 07/14/2009
Action: Staff Letter

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 03/10/2009
Action: Staff Letter

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 08/07/2003
Action: * Historical Enforcement

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 11/27/2006
Action: Staff Letter

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 06/01/2007
Action: Staff Letter

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 01/18/2007
Action: Staff Letter

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 10/11/2007
Action: Staff Letter

Global Id: T0605902221

MOBIL #18-378 (Continued) **S102433791**

Action Type: ENFORCEMENT
Date: 11/03/2006
Action: Staff Letter

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 05/09/2008
Action: Staff Letter

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 02/17/2011
Action: Staff Letter

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 09/10/2012
Action: Staff Letter

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 06/30/2011
Action: Staff Letter

Global Id: T0605902221
Action Type: REMEDIATION
Date: 01/01/1950
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605902221
Action Type: REMEDIATION
Date: 01/01/1950
Action: Free Product Removal

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 04/28/2009
Action: Staff Letter

Global Id: T0605902221
Action Type: RESPONSE
Date: 10/30/2003
Action: Soil and Water Investigation Report

Global Id: T0605902221
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0605902221
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 01/30/2009

MOBIL #18-378 (Continued) **S102433791**

Action: Staff Letter

Global Id: T0605902221
Action Type: ENFORCEMENT
Date: 12/02/2008
Action: Staff Letter

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 98UT091
Current Status: 5C
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: Not reported
Case Type: Other Ground Water
Record ID: RO0000891

Region: ORANGE
Facility Id: 86UT087
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 09/02/1986
Case Type: Undetermined
Record ID: RO0002874

HAZNET:
Year: 2003
Gepaid: CAL000055734
Contact: DALE VIATOR, ENVT'L ADVISOR
Telephone: 2816548470
Mailing Name: VEEDER-ROOT CMS
Mailing Address: 16825 NORTHCHASE DRIVE RM 911
Mailing City,St,Zip: HOUSTON, TX 770600000
Gen County: Orange
TSD EPA ID: CAD028409019
TSD County: Orange
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.01
Facility County: Orange

Year: 2003
Gepaid: CAL000055734
Contact: DALE VIATOR, ENVT'L ADVISOR
Telephone: 2816548470
Mailing Name: VEEDER-ROOT CMS
Mailing Address: 16825 NORTHCHASE DRIVE RM 911
Mailing City,St,Zip: HOUSTON, TX 770600000
Gen County: Orange
TSD EPA ID: CAD028409019
TSD County: Orange
Waste Category: Unspecified oil-containing waste
Disposal Method: Treatment, Tank
Tons: 0.08
Facility County: Orange

MOBIL #18-378 (Continued) **S102433791**

Year:	2003
Gepaid:	CAL000055734
Contact:	DALE VIATOR, ENVT'L ADVISOR
Telephone:	2816548470
Mailing Name:	VEEDER-ROOT CMS
Mailing Address:	16825 NORTHCHASE DRIVE RM 911
Mailing City,St,Zip:	HOUSTON, TX 770600000
Gen County:	Orange
TSD EPA ID:	CAD028409019
TSD County:	Orange
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Treatment, Tank
Tons:	0.2
Facility County:	Orange

Year:	2003
Gepaid:	CAL000055734
Contact:	DALE VIATOR, ENVT'L ADVISOR
Telephone:	2816548470
Mailing Name:	VEEDER-ROOT CMS
Mailing Address:	16825 NORTHCHASE DRIVE RM 911
Mailing City,St,Zip:	HOUSTON, TX 770600000
Gen County:	Orange
TSD EPA ID:	CAD028409019
TSD County:	Orange
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Treatment, Tank
Tons:	0.35
Facility County:	Orange

Year:	2001
Gepaid:	CAL000055734
Contact:	E JOANN DAIGNEAU-COMPL ANALYST
Telephone:	5123807140
Mailing Name:	Not reported
Mailing Address:	11044 RESEARCH BLVD SUITE B200
Mailing City,St,Zip:	AUSTIN, TX 787592667
Gen County:	Orange
TSD EPA ID:	Not reported
TSD County:	Los Angeles
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Not reported
Tons:	0
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
10 additional CA_HAZNET: record(s) in the EDR Site Report.

L80 North 1/8-1/4 0.236 mi. 1247 ft. | **S O I MOBIL (18-378)**
23771 EL TORO RD
LAKE FOREST, CA 92630

Site 2 of 6 in cluster L

HIST CORTESE
LUST
SWEEPS UST
CHMIRS

S103943569
N/A

Relative: Higher

Actual: 382 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083003311T

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083000271T
Local Case Num:	86UT087
Case Type:	Undefined
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900211
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Review Date:	Not reported
Prelim Assess:	Not reported
Discover Date:	1/1/1965
Enforcement Date:	Not reported
Close Date:	9/2/1986
Workplan:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6168698
Longitude:	-117.7050693
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*

S O I MOBIL (18-378) (Continued) **S103943569**

Staff:	RS
Staff Initials:	JS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Preliminary site assessment underway
Case Number:	083003311T
Local Case Num:	98UT091
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	OEFA
Funding:	Not reported
How Discovered:	UM
How Stopped:	NPP
Leak Cause:	Unknown
Leak Source:	Piping
Global ID:	T0605902221
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Review Date:	Not reported
Prelim Assess:	1/10/2001
Discover Date:	11/9/1998
Enforcement Date:	Not reported
Close Date:	Not reported
Workplan:	2/11/1999
Pollution Char:	1/11/2000
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6169788
Longitude:	-117.7052813
MTBE Date:	8/2/2002
Max MTBE GW:	90000
MTBE Concentration:	0
Max MTBE Soil:	.0038
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*

S O I MOBIL (18-378) (Continued) **S103943569**

Staff: RS
Staff Initials: JS
Lead Agency: Local Agency
Local Agency: 30000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

SWEEPS UST:
Status: A
Comp Number: 4639
Number: 9
Board Of Equalization: 44-016231
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-004639-000001
Actv Date: Not reported
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: 4

Status: A
Comp Number: 4639
Number: 9
Board Of Equalization: 44-016231
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-004639-000002
Actv Date: Not reported
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 4639
Number: 9
Board Of Equalization: 44-016231
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-004639-000003
Actv Date: Not reported

S O I MOBIL (18-378) (Continued) **S103943569**

Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	4639
Number:	9
Board Of Equalization:	44-016231
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-004639-000004
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	Not reported

CHMIRS:

OES Incident Number:	02-2243
OES notification:	4/24/200206:34:32 PM
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported

S O I MOBIL (18-378) (Continued) **S103943569**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	Veeder Root
Incident Date:	4/24/200212:00:00 AM
Admin Agency:	Orange County Emergency Managment Div
Amount:	Not reported
Contained:	Yes
Site Type:	Service Station
E Date:	Not reported
Substance:	Gasoline
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	1
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	Auto shutoff malfunctioned.

L81 **S M I** **HIST UST** **U001576946**
North **23771 EL TORO RD** **N/A**
1/8-1/4 **EL TORO, CA 92630**
0.236 mi.
1247 ft. **Site 3 of 6 in cluster L**

Relative:
Higher

Actual:
382 ft.

HIST UST:

Region:	STATE
Facility ID:	00000039374
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0004
Contact Name:	GILBERT PINO 08-378
Telephone:	7147703339
Owner Name:	MOBIL OIL CORPORATION
Owner Address:	612 S. FLOWER STREET

S M I (Continued) **U001576946**

Owner City,St,Zip: LOS ANGELES, CA 90017

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Stock Inventor

L82 **A TO Z CLEANERS** **RCRA-SQG** **1000263449**
North **23803 EL TORO** **FINDS** **CAD981641210**
1/8-1/4 **EL TORO, CA 92630**
0.236 mi.
1247 ft. **Site 4 of 6 in cluster L**

Relative:
Higher

Actual:
382 ft.

RCRA-SQG:
Date form received by agency: 01/02/1987
Facility name: A TO Z CLEANERS
Facility address: 23803 EL TORO
EL TORO, CA 92630
EPA ID: CAD981641210
Contact: NASRULLAH FARSHAI
Contact address: 23803 EL TORO
EL TORO, CA 92603
Contact country: US
Contact telephone: (714) 700-9570
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator

A TO Z CLEANERS (Continued) **1000263449**

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	FARSAI NASRULLAH
Owner/operator address:	23803 EL TORO RD EL TORO, CA 92360
Owner/operator country:	Not reported
Owner/operator telephone:	(714) 770-7570
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110008271146

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

L83 North 1/8-1/4 0.236 mi. 1247 ft. | **MOBIL (18-378)** | **UST** | **U003721266**
23771 EL TORO RD | **N/A**
LAKE FOREST, CA 92630

Site 5 of 6 in cluster L

Relative: Higher

Actual: 382 ft.

UST:

Facility ID:	4639
Latitude:	33.61698
Longitude:	-117.70507

L84 North 1/8-1/4 0.236 mi. 1247 ft. | **EXXONMOBIL OIL CORPORATION 13011** | **RCRA-SQG** | **1010313532**
23771 EL TORO RD | **CAR000174581**
LAKE FOREST, CA 92630

Site 6 of 6 in cluster L

Relative: Higher

Actual: 382 ft.

RCRA-SQG:

Date form received by agency:	06/13/2006
Facility name:	EXXONMOBIL OIL CORPORATION 13011
Facility address:	23771 EL TORO RD LAKE FOREST, CA 92630
EPA ID:	CAR000174581
Mailing address:	16945 NORTHCHASE DR RM 538 HOUSTON, TX 77060
Contact:	DALE VIATOR
Contact address:	16945 NORTHCHASE DR RM 538 HOUSTON, TX 77060
Contact country:	Not reported
Contact telephone:	281-654-8470
Contact email:	DALE.VIATOR@EXXONMOBIL.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	EXXONMOBIL OIL CORPORATION
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/01/1999
Owner/Op end date:	Not reported

Owner/operator name:	BUCHHEIM PROPERTIES 1
Owner/operator address:	11440 SAN VINCENTE BLVD STE 200 LOS ANGELES, CA 90049
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1991

EXXONMOBIL OIL CORPORATION 13011 (Continued) **1010313532**

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Violation Status: No violations found

M85 **THE SHOPS AT LAKE FOREST** **SLIC** **S108985894**
NNE **24336 ROCKFIELD** **N/A**
1/4-1/2 **LAGUNA HILLS, CA**
0.267 mi.
1412 ft. **Site 1 of 2 in cluster M**

Relative:
Higher

Actual:
381 ft.

SLIC REG 8:

Type:	Soil and Groundwater
Facility Status:	Post-Investigation/Remediation Monitoring
Region:	8
Staff:	WDM
Substance:	WDM
Lead Agency:	WDM
Location Code:	WDM
Thomas Bros Code:	WDM

M86 NNE 1/4-1/2 0.282 mi. 1489 ft. | **THE SHOPS AT LAKE FOREST SHOPPING CENTER**
24312-24422 ROCKFIELD BOULEVARD
LAKE FOREST, CA 92630

Site 2 of 2 in cluster M

SLIC | **S109277262**
N/A

Relative: Higher

Actual: 385 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	04/01/2012
Global Id:	SL208213876
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	33.6154703240445
Longitude:	-117.70490437746
Case Type:	Cleanup Program Site
Case Worker:	WDM
Local Agency:	Not reported
RB Case Number:	SL208213876
File Location:	Regional Board
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	The Site is in the Orange County Groundwater Management Zone of the Santa Ana River Watershed. The Site is a former dry cleaner located in a shopping center on the southeast corner of El Toro Road and Rockfield Boulevard in Lake Forest, approximately 700 feet to the north of Interstate 5 Freeway (the freeway). The shopping center was developed in the late 1960s and early 1970s. The dry cleaner location was operational since the completion of the shopping center until February 2007. The former dry cleaning facility is currently vacant. Several subsurface investigations were performed at the Site between 1991 and 1998. Chlorinated volatile organic compounds (VOCs), including tetrachloroethylene (PCE), trichloroethylene (TCE), 1,2-dichloroethylene (DCE), 1,1-DCE, and 1,2-dichloroethane (DCA) have been detected as a result of this release. However, PCE was the primary contaminant that was encountered in the soil and groundwater at the Site. Groundwater monitoring wells MW-1A, MW-2, MW-3, and MW-6 and deep monitoring wells DMW-1, DMW-2, and DMW-3 were installed in the parking lot just to the south of the dry cleaner building. Two additional wells, MW-4 (shallow) and MW-103 (deep) were also installed on the southern edge of the shopping center prior to 1999. Additional monitoring wells MW-7 through MW-12 and MW-14 were installed in the vegetation covered areas next to the entrance and exit ramps for the freeway. One monitoring well, MW-13, was installed to the south of the freeway as a downgradient well to monitor the migration of the groundwater plume in that area. The highest PCE concentration detected in the groundwater was in monitoring well MW-1A at 40,000 micrograms per liter (a%g/L) in February 1997. MW-1A is located approximately 20 feet to the south of the former dry cleaning building. From March 2000 to June 2004, ENVIRON operated a 2-PHASE extraction system at the Site to treat impacted soil and groundwater. A horizontal vapor extraction well was extended from the parking lot under the dry cleaning facility to improve soil vapor recovery in that area. Pneumatic fracturing of the soil around well SVE-1 was also applied, to enhance the recovery of soil gas from that well. Approximately 224 million cubic feet of vapor were treated, and 704 pounds of VOCs were removed. A pilot test for injection of sodium permanganate was conducted in August 2005, and a full-scale injection was conducted in February 2007. A total of 31,700 gallons of 10%

THE SHOPS AT LAKE FOREST SHOPPING CENTER (Continued) **S109277262**

sodium permanganate solution was injected into soil and groundwater at 32 injection points at on and off-site locations. Depth to groundwater in the onsite wells is in the range of 12.50 and 13.50 feet below ground surface (bgs). Groundwater appears to flow towards the west to southwest with an onsite gradient of 0.004 foot/foot. In April 2009, RB agreed to a reduction of groundwater monitoring frequency from quarterly to semi-annual. PCE concentration is some of the on-site and downgradient wells have shown considerable rebound from their values immediately after the implementation of ISCO. In August 2009 CPT and groundwater sampling was conducted in the off-site downgradient area located to the South of I-5 Freeway. Low concentrations of PCE was detected in the shallow groundwater. Sampling results from September 2009 groundwater monitoring showed higher concentrations of PCE in some of the on-site wells located immediately downgradient of the source area. This provided evidence that a) ISCO does not provide a long-term and permanent solution for the groundwater issue and b) residual concentrations of PCE in soil are still contributing to the groundwater contamination. Additional soil and soil gas sampling was conducted in March 2010 at the source area. A RAP was submitted in December 2011 and commented on in Janaury 2012. Soil excavation in the source area was proposed in the RAP.

Click here to access the California GeoTracker records for this facility:

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87 **LOS ALISOS & SANTA ANA PKWY** **Notify 65** **S100178435**
ESE **N/A**
1/4-1/2 **MISSION VIEJO, CA 90305**
0.320 mi.
1689 ft.

Relative:
Higher

Actual:
382 ft.

Notify 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	90305

N88 **SHELL OIL** **LUST** **S100934589**
NNE **23751 EL TORO** **HAZNET** **N/A**
1/4-1/2 **LAKE FOREST, CA 92630**
0.325 mi.
1716 ft. **Site 1 of 5 in cluster N**

Relative:
Higher

Actual:
391 ft.

LUST:

Region:	STATE
Global Id:	T0605986985
Latitude:	33.617528403
Longitude:	-117.704743511
Case Type:	LUST Cleanup Site
Status:	Open - Site Assessment
Status Date:	03/22/2004
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	KL
Local Agency:	ORANGE COUNTY LOP

SHELL OIL (Continued) **S100934589**

RB Case Number: Not reported
LOC Case Number: 03UT020
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

Click here to access the California GeoTracker records for this facility:

LUST:
Global Id: T0605986985
Contact Type: Regional Board Caseworker
Contact Name: Roger Mitchell
Organization Name: SAN DIEGO RWQCB (REGION 9)
Address: 9174 SKY PARK COURT, SUITE 100
City: SAN DIEGO
Email: Not reported
Phone Number: Not reported

Global Id: T0605986985
Contact Type: Local Agency Caseworker
Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP
Address: 1241 E DYER ROAD SUITE 120
City: SANTA ANA
Email: klambert@ochca.com
Phone Number: 7144336261

LUST:
Global Id: T0605986985
Action Type: ENFORCEMENT
Date: 01/20/2011
Action: File review

Global Id: T0605986985
Action Type: ENFORCEMENT
Date: 07/14/2009
Action: Staff Letter

Global Id: T0605986985
Action Type: ENFORCEMENT
Date: 05/13/2003
Action: * Corrective Action Orders

Global Id: T0605986985
Action Type: ENFORCEMENT
Date: 05/13/2003
Action: Notice of Responsibility

Global Id: T0605986985
Action Type: ENFORCEMENT
Date: 01/03/2006
Action: Staff Letter

SHELL OIL (Continued) **S100934589**

Global Id: T0605986985
Action Type: ENFORCEMENT
Date: 03/16/2007
Action: Staff Letter

Global Id: T0605986985
Action Type: ENFORCEMENT
Date: 01/24/2007
Action: Staff Letter

Global Id: T0605986985
Action Type: ENFORCEMENT
Date: 12/11/2006
Action: Staff Letter

Global Id: T0605986985
Action Type: ENFORCEMENT
Date: 02/26/2007
Action: Staff Letter

Global Id: T0605986985
Action Type: ENFORCEMENT
Date: 08/21/2003
Action: Staff Letter

Global Id: T0605986985
Action Type: ENFORCEMENT
Date: 11/17/2011
Action: File Review - Closure

Global Id: T0605986985
Action Type: RESPONSE
Date: 08/18/2003
Action: Soil and Water Investigation Workplan

Global Id: T0605986985
Action Type: RESPONSE
Date: 06/02/2003
Action: Other Report / Document

Global Id: T0605986985
Action Type: RESPONSE
Date: 12/08/2003
Action: Soil and Water Investigation Report

Global Id: T0605986985
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0605986985
Action Type: ENFORCEMENT
Date: 12/30/1899
Action: Staff Letter

Global Id: T0605986985
Action Type: Other

SHELL OIL (Continued) **S100934589**

Date: 01/01/1950
Action: Leak Discovery

Region: STATE
Global Id: T0605900581
Latitude: 33.6178674
Longitude: -117.7040457
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/06/1991
Lead Agency: ORANGE COUNTY LOP
Case Worker: KL
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083000732T
LOC Case Number: 86UT218
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
Global Id: T0605900581
Contact Type: Local Agency Caseworker
Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP
Address: 1241 E DYER ROAD SUITE 120
City: SANTA ANA
Email: klambert@ochca.com
Phone Number: 7144336261

Global Id: T0605900581
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rscott@waterboards.ca.gov
Phone Number: 9513206375

LUST:
Global Id: T0605900581
Action Type: REMEDIATION
Date: 01/01/1950
Action: Other (Use Description Field)

Global Id: T0605900581
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0605900581
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

SHELL OIL (Continued) **S100934589**

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	86UT218
Current Status:	Certification (Case Closed)
Released Substance:	Unleaded gasoline
Date Closed:	05/06/1991
Case Type:	Soil Only
Record ID:	RO0001124

Region:	ORANGE
Facility Id:	86UT218
Current Status:	Not reported
Released Substance:	Regular gasoline
Date Closed:	05/06/1991
Case Type:	Not reported
Record ID:	RO0001124

Region:	ORANGE
Facility Id:	86UT218
Current Status:	Not reported
Released Substance:	Waste oil/Used oil
Date Closed:	05/06/1991
Case Type:	Not reported
Record ID:	RO0001124

Region:	ORANGE
Facility Id:	03UT020
Current Status:	5C
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	Not reported
Case Type:	Other Ground Water
Record ID:	RO0003195

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083000732T
Local Case Num:	86UT218
Case Type:	Soil only
Substance:	12031,12032,
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900581
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Review Date:	Not reported
Prelim Assess:	Not reported

SHELL OIL (Continued) **S100934589**

Discover Date: 11/13/1986
Enforcement Date: Not reported
Close Date: 5/6/1991
Workplan: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.6173178
Longitude: -117.7049153
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
MTBE Class: *
Staff: RS
Staff Initials: JS
Lead Agency: Local Agency
Local Agency: 30000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

HAZNET:
Year: 2002
Gepaid: CAL921985724
Contact: WILLIAM S HILO
Telephone: 9494579892
Mailing Name: Not reported
Mailing Address: 23751 EL TORO RD
Mailing City,St,Zip: LAKE FOREST, CA 926304712
Gen County: Orange
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: 0.22
Facility County: Not reported

Year: 1995
Gepaid: CAL921985724
Contact: TEXACO
Telephone: 7144579892
Mailing Name: Not reported
Mailing Address: 23751 EL TORO RD

SHELL OIL (Continued) **S100934589**

Mailing City,St,Zip: LAKE FOREST, CA 926304712
Gen County: Orange
TSD EPA ID: CAD093459485
TSD County: Fresno
Waste Category: Unspecified solvent mixture
Disposal Method: Transfer Station
Tons: .0498
Facility County: Orange

Year: 1994
Gepaid: CAL921985724
Contact: TEXACO
Telephone: 7144579892
Mailing Name: Not reported
Mailing Address: 23751 EL TORO RD
Mailing City,St,Zip: LAKE FOREST, CA 926304712
Gen County: Orange
TSD EPA ID: CAT000613976
TSD County: Orange
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Tons: .1245
Facility County: Orange

Year: 1993
Gepaid: CAL921985724
Contact: TEXACO
Telephone: 7144579892
Mailing Name: Not reported
Mailing Address: 23751 EL TORO RD
Mailing City,St,Zip: LAKE FOREST, CA 926304712
Gen County: Orange
TSD EPA ID: CAT000613976
TSD County: Orange
Waste Category: Organic liquids (nonsolvents) with halogens
Disposal Method: Transfer Station
Tons: .1245
Facility County: Orange

N89 **TEXACO REFINING AND MARKETING INC** **HIST CORTESE** **S103644816**
NNE **23751 EL TORO & ROCKFIELD** **HAZNET** **N/A**
1/4-1/2 **EL TORO, CA 92630**
0.327 mi.
1725 ft. **Site 2 of 5 in cluster N**

Relative:
Higher

Actual:
391 ft.

CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083000732T

HAZNET:
Year: 1995
Gepaid: CAL000032961
Contact: TEXACO REFINING AND MARKETING
Telephone: 8185052802
Mailing Name: Not reported

TEXACO REFINING AND MARKETING INC (Continued) **S103644816**

Mailing Address:	10 UNIVERSAL CITY PLAZA 7TH FLOOR
Mailing City,St,Zip:	UNIVERSAL CITY, CA 916081009
Gen County:	Orange
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Transfer Station
Tons:	.8340
Facility County:	Orange

Year:	1995
Gepaid:	CAL000032961
Contact:	TEXACO REFINING AND MARKETING
Telephone:	8185052802
Mailing Name:	Not reported
Mailing Address:	10 UNIVERSAL CITY PLAZA 7TH FLOOR
Mailing City,St,Zip:	UNIVERSAL CITY, CA 916081009
Gen County:	Orange
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	.2000
Facility County:	Orange

N90 **ARCO #3013** **HIST CORTESE** **U003432748**
NNE **23742** **N/A**
1/4-1/2 **LAKE FOREST, CA 92630**
0.328 mi.
1732 ft. **Site 3 of 5 in cluster N**

Relative:
Higher

Actual:
390 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083001923T

N91 **ARCO #3013** **LUST** **U003713764**
NNE **23742 EL TORO RD** **UST** **N/A**
1/4-1/2 **LAKE FOREST, CA 92630** **SWEEPS UST**
0.328 mi.
1732 ft. **Site 4 of 5 in cluster N**

Relative:
Higher

Actual:
390 ft.

LUST:

Region:	STATE
Global Id:	T0605901431
Latitude:	33.6170434666666
Longitude:	-117.7042993
Case Type:	LUST Cleanup Site
Status:	Open - Verification Monitoring
Status Date:	08/01/2004
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	KL
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083001923T
LOC Case Number:	91UT105

ARCO #3013 (Continued) **U003713764**

File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

Click here to access the California GeoTracker records for this facility:

LUST:
Global Id: T0605901431
Contact Type: Local Agency Caseworker
Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP
Address: 1241 E DYER ROAD SUITE 120
City: SANTA ANA
Email: klambert@ochca.com
Phone Number: 7144336261

Global Id: T0605901431
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: vjahn-bull@waterboards.ca.gov
Phone Number: 9517824903

LUST:
Global Id: T0605901431
Action Type: ENFORCEMENT
Date: 02/08/2011
Action: Staff Letter

Global Id: T0605901431
Action Type: ENFORCEMENT
Date: 04/05/2010
Action: Staff Letter

Global Id: T0605901431
Action Type: ENFORCEMENT
Date: 01/26/2012
Action: File review

Global Id: T0605901431
Action Type: ENFORCEMENT
Date: 07/14/2009
Action: Staff Letter

Global Id: T0605901431
Action Type: ENFORCEMENT
Date: 10/06/2004
Action: Staff Letter

Global Id: T0605901431
Action Type: ENFORCEMENT

ARCO #3013 (Continued) **U003713764**

Date: 02/03/2006
Action: Staff Letter

Global Id: T0605901431
Action Type: ENFORCEMENT
Date: 01/29/2007
Action: Staff Letter

Global Id: T0605901431
Action Type: ENFORCEMENT
Date: 01/18/2007
Action: Staff Letter

Global Id: T0605901431
Action Type: ENFORCEMENT
Date: 06/29/2007
Action: Staff Letter

Global Id: T0605901431
Action Type: ENFORCEMENT
Date: 08/21/2007
Action: Staff Letter

Global Id: T0605901431
Action Type: ENFORCEMENT
Date: 01/25/2011
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0605901431
Action Type: ENFORCEMENT
Date: 04/21/2009
Action: Staff Letter

Global Id: T0605901431
Action Type: ENFORCEMENT
Date: 06/24/2009
Action: Staff Letter

Global Id: T0605901431
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0605901431
Action Type: ENFORCEMENT
Date: 09/21/2009
Action: Staff Letter

Global Id: T0605901431
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0605901431
Action Type: REMEDIATION
Date: 01/01/1950
Action: Free Product Removal

ARCO #3013 (Continued) **U003713764**

Global Id: T0605901431
Action Type: REMEDIATION
Date: 01/01/1950
Action: Soil Vapor Extraction (SVE)

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 91UT105
Current Status: Post Remedial Action
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: Not reported
Case Type: Other Ground Water
Record ID: RO0002116

LUST REG 8:
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Remedial action (cleanup) Underway
Case Number: 083001923T
Local Case Num: 91UT105
Case Type: Other ground water affected
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: SA
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global ID: T0605901431
How Stopped Date: 9/9/9999
Enter Date: Not reported
Review Date: Not reported
Prelim Assess: Not reported
Discover Date: 5/1/1991
Enforcement Date: Not reported
Close Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: 9/25/1996
Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: =
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.6172268
Longitude: -117.7046493
MTBE Date: 11/15/2001

ARCO #3013 (Continued) **U003713764**

Max MTBE GW: 6800
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class: *
Staff: VJJ
Staff Initials: JS
Lead Agency: Local Agency
Local Agency: 30000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

UST:
Facility ID: 4455
Latitude: 33.61795
Longitude: -117.70358

SWEEPS UST:
Status: A
Comp Number: 4455
Number: 9
Board Of Equalization: Not reported
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-004455-000001
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: 5

Status: A
Comp Number: 4455
Number: 9
Board Of Equalization: Not reported
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-004455-000002
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

ARCO #3013 (Continued) **U003713764**

Status:	A
Comp Number:	4455
Number:	9
Board Of Equalization:	Not reported
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-004455-000003
Actv Date:	Not reported
Capacity:	8000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	4455
Number:	9
Board Of Equalization:	Not reported
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-004455-000004
Actv Date:	Not reported
Capacity:	6000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	4455
Number:	9
Board Of Equalization:	Not reported
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-004455-000005
Actv Date:	Not reported
Capacity:	6000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

N92 NNE 1/4-1/2 0.359 mi. 1894 ft. | **UNOCAL #4966**
24201 EL TORO RD # 4966
LAKE FOREST, CA 92630

Site 5 of 5 in cluster N

LUST **U003942662**
UST **N/A**

Relative: Higher

Actual: 400 ft.

LUST:

Region:	STATE
Global Id:	T0605902479
Latitude:	33.6438587
Longitude:	-117.6708312
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/31/2006
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	KL
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	9UT2436
LOC Case Number:	93UT020
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0605902479
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN LAMBERT
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E DYER ROAD SUITE 120
City:	SANTA ANA
Email:	klambert@ochca.com
Phone Number:	7144336261

Global Id:	T0605902479
Contact Type:	Regional Board Caseworker
Contact Name:	Roger Mitchell
Organization Name:	SAN DIEGO RWQCB (REGION 9)
Address:	9174 SKY PARK COURT, SUITE 100
City:	SAN DIEGO
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T0605902479
Action Type:	Other
Date:	01/01/1950
Action:	Leak Began

Global Id:	T0605902479
Action Type:	ENFORCEMENT
Date:	08/31/2006
Action:	Closure/No Further Action Letter

Global Id:	T0605902479
Action Type:	REMEDIATION
Date:	01/01/1950

UNOCAL #4966 (Continued) **U003942662**

Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605902479
Action Type: REMEDIATION
Date: 01/01/1950
Action: Free Product Removal

Global Id: T0605902479
Action Type: REMEDIATION
Date: 01/01/1950
Action: Soil Vapor Extraction (SVE)

Global Id: T0605902479
Action Type: ENFORCEMENT
Date: 06/20/2006
Action: Staff Letter

Global Id: T0605902479
Action Type: ENFORCEMENT
Date: 08/10/2005
Action: Staff Letter

Global Id: T0605902479
Action Type: ENFORCEMENT
Date: 08/31/2006
Action: Closure/No Further Action Letter

Global Id: T0605902479
Action Type: ENFORCEMENT
Date: 01/24/2006
Action: Staff Letter

Global Id: T0605902479
Action Type: ENFORCEMENT
Date: 10/06/2003
Action: Staff Letter

Global Id: T0605902479
Action Type: ENFORCEMENT
Date: 06/29/2005
Action: Staff Letter

Global Id: T0605902479
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0605902479
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 93UT020
Current Status: Certification (Case Closed)

UNOCAL #4966 (Continued) **U003942662**

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 08/31/2006
Case Type: Other Ground Water
Record ID: RO0001384

UST:
Facility ID: 4641
Latitude: 33.61837
Longitude: -117.70307

O93 **EL TORO WATER DISTRICT** **LUST** **U003432970**
East **24251 LOS ALISOS BLVD** **UST** **N/A**
1/4-1/2 **LAKE FOREST, CA 92630** **AST**
0.371 mi. **SWEEPS UST**
1961 ft. **Site 1 of 2 in cluster O** **HAZNET**

Relative:
Higher

Actual:
381 ft.

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT157
Local Case: 86UT102
Substance: Unleaded Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Local Agency: Orange
How Found: Tank Test
How Stopped: Remove Contents
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 05/29/1986
Date Stopped: 07/01/1986
Confirm Date: / /
Submit Workplan: 7/2/86
Prelim Assess: 07/11/1986
Desc Pollution: 11/3/86
Remed Plan: 12/11/1986
Remed Action: Not reported
Began Monitor: 9/1/87
Release Date: 06/25/1986
Enforce Date: Not reported
Closed Date: 11/5/90
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.13
GW Depth: 28FT
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

EL TORO WATER DISTRICT (Continued) **U003432970**

UST:
Facility ID: 7072
Latitude: 33.61148
Longitude: -117.69689

AST:
Owner: EL TORO WATER DISTRICT
Total Gallons: 1,320
Certified Unified Program Agencies: Orange

SWEEPS UST:
Status: A
Comp Number: 7072
Number: 9
Board Of Equalization: 44-016566
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-007072-000001
Actv Date: Not reported
Capacity: 1100
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: 2

Status: A
Comp Number: 7072
Number: 9
Board Of Equalization: 44-016566
Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 30-000-007072-000002
Actv Date: Not reported
Capacity: 5000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

HAZNET:
Year: 2010
Gepaid: CAC002649600
Contact: ERICK WILSON
Telephone: 9498371660
Mailing Name: Not reported
Mailing Address: 24251 LOS ALISOS BLVD
Mailing City,St,Zip: LAKE FOREST, CA 926305246
Gen County: Not reported
TSD EPA ID: NVT330010000

EL TORO WATER DISTRICT (Continued) **U003432970**

TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 2
Facility County: Orange

O94 **EL TORO WATER DISTRICT** **HIST CORTESE** **S100230511**
East **24251 LOS ALISOS** **LUST** **N/A**
1/4-1/2 **LAKE FOREST, CA 92630** **HAZNET**
0.371 mi.
1961 ft. **Site 2 of 2 in cluster O**

Relative:
Higher

Actual:
381 ft.

CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT157

LUST:
Region: STATE
Global Id: T0605902394
Latitude: 33.609571
Longitude: -117.698228
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/05/1990
Lead Agency: ORANGE COUNTY LOP
Case Worker: KL
Local Agency: ORANGE COUNTY LOP
RB Case Number: 9UT157
LOC Case Number: 86UT102
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline, Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
Global Id: T0605902394
Contact Type: Regional Board Caseworker
Contact Name: Roger Mitchell
Organization Name: SAN DIEGO RWQCB (REGION 9)
Address: 9174 SKY PARK COURT, SUITE 100
City: SAN DIEGO
Email: Not reported
Phone Number: Not reported

Global Id: T0605902394
Contact Type: Local Agency Caseworker
Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP
Address: 1241 E DYER ROAD SUITE 120
City: SANTA ANA
Email: klambert@ochca.com
Phone Number: 7144336261

EL TORO WATER DISTRICT (Continued) **S100230511**

LUST:

Global Id:	T0605902394
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0605902394
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	86UT102
Current Status:	Certification (Case Closed)
Released Substance:	Unleaded gasoline
Date Closed:	11/05/1990
Case Type:	Other Ground Water
Record ID:	RO0000898
Region:	ORANGE
Facility Id:	86UT102
Current Status:	Not reported
Released Substance:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed:	11/05/1990
Case Type:	Not reported
Record ID:	RO0000898

HAZNET:

Year:	2011
Gepaid:	CAL000010485
Contact:	R MARIN TECHNICAL/REGULATORY
Telephone:	9498377050
Mailing Name:	Not reported
Mailing Address:	PO BOX 4000
Mailing City,St,Zip:	LAGUNA HILLS, CA 926544000
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	5
Facility County:	Orange
Year:	2010
Gepaid:	CAL000010485
Contact:	R MARIN TECHNICAL/REGULATORY
Telephone:	9498377050
Mailing Name:	Not reported
Mailing Address:	PO BOX 4000
Mailing City,St,Zip:	LAGUNA HILLS, CA 926544000
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported

EL TORO WATER DISTRICT (Continued) **S100230511**

Waste Category:	Other inorganic solid waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	5
Facility County:	Orange

Year:	2010
Gepaid:	CAL000010485
Contact:	R MARIN TECHNICAL/REGULATORY
Telephone:	9498377050
Mailing Name:	Not reported
Mailing Address:	PO BOX 4000
Mailing City,St,Zip:	LAGUNA HILLS, CA 926544000
Gen County:	Not reported
TSD EPA ID:	CAD097030993
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.015
Facility County:	Orange

Year:	2007
Gepaid:	CAL000010485
Contact:	R MARIN TECHNICAL/REGULATORY
Telephone:	9498377050
Mailing Name:	Not reported
Mailing Address:	PO BOX 4000
Mailing City,St,Zip:	LAGUNA HILLS, CA 926544000
Gen County:	Orange
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Other inorganic solid waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	5
Facility County:	Orange

Year:	2006
Gepaid:	CAL000010485
Contact:	R MARIN TECHNICAL/REGULATORY
Telephone:	9498377050
Mailing Name:	Not reported
Mailing Address:	PO BOX 4000
Mailing City,St,Zip:	LAGUNA HILLS, CA 926544000
Gen County:	Orange
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Tank bottom waste
Disposal Method:	Recycler
Tons:	2.5
Facility County:	Orange

Click this hyperlink while viewing on your computer to access
21 additional CA_HAZNET: record(s) in the EDR Site Report.

P95 NNE 1/4-1/2 0.390 mi. 2061 ft. | **SADDLEBACK VALLEY PLAZA** | **SLIC** | **S107504399**
23684 EL TORO ROAD - SUITE S | **N/A**
LAKE FOREST, CA

Site 1 of 3 in cluster P

Relative: Higher

Actual: 396 ft.

SLIC REG 8:

Type:	Soil and Groundwater
Facility Status:	Additional Characterization Underway
Region:	8
Staff:	WDM
Substance:	WDM
Lead Agency:	WDM
Location Code:	WDM
Thomas Bros Code:	WDM

P96 NNE 1/4-1/2 0.390 mi. 2061 ft. | **SILVER DRY CLEANERS** | **RCRA-SQG** | **1000820064**
23684 EL TORO RD STE S | **FINDS** | **CAD983660879**
LAKE FOREST, CA 92630 | **SLIC**
Orange Co. Industrial Site

Site 2 of 3 in cluster P

Relative: Higher

Actual: 396 ft.

RCRA-SQG:

Date form received by agency:	12/21/1993
Facility name:	SILVER DRY CLEANERS
Facility address:	23684 EL TORO RD STE S LAKE FOREST, CA 92630
EPA ID:	CAD983660879
Mailing address:	EL TORO RD STE S LAKE FOREST, CA 92630
Contact:	LORENZO NICASIO
Contact address:	23684 EL TORO RD STE S LAKE FOREST, CA 92630
Contact country:	US
Contact telephone:	(714) 859-4337
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	LORENZO NICASIO
Owner/operator address:	23684 EL TORO RD LAKE FOREST, CA 92630
Owner/operator country:	Not reported
Owner/operator telephone:	(714) 859-4337
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No

SILVER DRY CLEANERS (Continued) **1000820064**

Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002893735

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	06/02/2009
Global Id:	SL0605942036
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	33.6180591063786
Longitude:	-117.70144701004
Case Type:	Cleanup Program Site
Case Worker:	WDM
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Tetrachloroethylene (PCE)
Site History:	The former Silver Dry Cleaners facility was located in Suite S (or Suite 698) of the former Saddleback Valley Plaza. The dry cleaners had operated at this site for 16 years (1982-1998). In November 1999, tetrachloroethylene (PCE) was detected in soil vapor samples collected at 2 and 5 feet below ground surface. The soil vapor sampling results showed up to 13,000 micrograms per liter (a%g/l) PCE at 2 feet below ground surface (bgs) and 5,700 a%g/l PCE at 5 feet bgs, beneath the former dry cleaner space. No other volatile organic compounds (VOCs) were detected in the soil vapor samples. In September 2002, six borings, which were advanced to depths ranging from 26 to 49 feet bgs. Soil and groundwater samples were collected from the boreholes. Elevated concentrations of PCE were detected in

SILVER DRY CLEANERS (Continued) **1000820064**

soil samples from the borings in the tenant space west of the former dry cleaner and near the center of the dry cleaner space. The maximum PCE concentration detected in the soil was 370 micrograms per kilogram (a%g/kg) at 10 feet bgs. The maximum PCE concentration detected in the groundwater was 520 a%g/L. In October 2003 additional assessment of the site was conducted using Cone Penetrometer Test (CPT) probes in four locations to characterize subsurface geology. The probes were advance at each location until refusal. The depths achieved ranged from 28 to 68 feet bgs. Fourteen additional borings were drilled at the site using a push rig. Soil and groundwater samples were collected and submitted for laboratory analysis. Groundwater was encountered at The highest concentrations of PCE (240 a%g/kg) was detected in the soil sample collected at 10 feet bgs from boring GP-7 located in the dry cleaner space. The highest concentrations of PCE (4,100 a%g/L) was detected in the groundwater sample was also collected from boring GP-7. Grou

Click here to access the California GeoTracker records for this facility:

Orange Co. Industrial Site:

Case ID:	05IC001
Region:	ORANGE
Record ID:	RO0003327
Current Status:	CLOSED 6/16/2005
Closure Type:	Closure certification issued
Released Chemical:	PERCHLOROETHYLENE TRICHLOROETHYLENE

P97 **UNOCAL SERVICE STATION #4** **HIST CORTESE** **S103065316**
NNE **24201 EL TORO** **N/A**
1/4-1/2 **EL TORO, CA**
0.408 mi.
2156 ft. **Site 3 of 3 in cluster P**

Relative:
Higher

Actual:
393 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	9UT2436

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98 **PROTHERO ENTERPRISES INC. (ORANGE TREE PLAZA SITE)** **VCP** **S111120529**
NNE **23512-23532 EL TORO ROAD** **ENVIROSTOR** **N/A**
1/2-1 **LAKE FOREST, CA 92630**
0.687 mi.
3628 ft.

Relative:
Higher

Actual:
402 ft.

VCP:

Facility ID:	60001482
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.25
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager:	Aslam Shareef

PROTHERO ENTERPRISES INC. (ORANGE TREE PLAZA SITE) (Continued) **S111120529**

Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	401582
Assembly:	68
Senate:	37
Special Programs Code:	Voluntary Cleanup Program
Status:	Inactive - Action Required
Status Date:	07/19/2011
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.62086 / -117.6986
APN:	NONE SPECIFIED
Past Use:	DRY CLEANING
Potential COC:	30022, 30027
Confirmed COC:	30022,30027
Potential Description:	IA, SV, UE
Alias Name:	401582
Alias Type:	Project Code (Site Code)
Alias Name:	60001482
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	07/19/2011
Comments:	DTSC determined that further investigation is necessary at the site.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Reimbursement Agreement
Completed Date:	06/22/2011
Comments:	Agreement fully executed.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	12/08/2011
Comments:	Closeout Memo sent to CRU and DTSC 1431 sent to fiscal to closeout site code in the daily log.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

ENVIROSTOR:

Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.25
NPL:	NO
Regulatory Agencies:	SMBRP

PROTHERO ENTERPRISES INC. (ORANGE TREE PLAZA SITE) (Continued) **S111120529**

Lead Agency:	SMBRP
Program Manager:	Aslam Shareef
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Facility ID:	60001482
Site Code:	401582
Assembly:	68
Senate:	37
Special Program:	Voluntary Cleanup Program
Status:	Inactive - Action Required
Status Date:	07/19/2011
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.62086
Longitude:	-117.6986
APN:	NONE SPECIFIED
Past Use:	DRY CLEANING
Potential COC:	30022, 30027
Confirmed COC:	30022,30027
Potential Description:	IA, SV, UE
Alias Name:	401582
Alias Type:	Project Code (Site Code)
Alias Name:	60001482
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	07/19/2011
Comments:	DTSC determined that further investigation is necessary at the site.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Reimbursement Agreement
Completed Date:	06/22/2011
Comments:	Agreement fully executed.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	12/08/2011
Comments:	Closeout Memo sent to CRU and DTSC 1431 sent to fiscal to closeout site code in the daily log.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Count: 15 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LAGUNA BEACH	1004677810	BP WEST COAST PRODUCTS LLC 9747	590 S PACIFIC COAST HWY	92653	RCRA-SQG, FINDS, HAZNET
LAGUNA HILLS	U003783453	J C PENNEY CO INC	200 LAGUNA HILLS MALL	92653	UST, SWEEPS UST
LAGUNA HILLS	S104857827	LAGUNA WOODS MS4	24310 MOULTON PKY	92653	WDS
LAGUNA HILLS	S108211682	LAGUNA HILLS CIVIC CENTER	24035 E TORO RD	92653	HAZNET
LAGUNA HILLS	S111459461	CFA EL TORO ROAD LAGUNA HILLS	24011 EL TORO RD	92630	NPDES
LAGUNA HILLS	1014922535	EXXONMOBIL OIL CORP 12813	24362 EL TORO RD	92653	RCRA-SQG
LAGUNA HILLS	1001126695	FORD CLEANERS OF LAGUNA HILLS	24261 VIA DE LA CARLATA NO	92653	RCRA-SQG, FINDS, HAZNET
LAGUNA WOODS	S111851325	LAGUNA WOODS MUTUAL 50 & PCM INC	24055 PSO DEL LAGO	92637	HAZNET
LAKE FOREST	S102074973	LAGUNA HILLS SHOPPING CENTER	22312 ROCKFIELD BLVD	92630	Orange Co. Industrial Site
LAKE FOREST	S103943571	UNOCAL #4966	25201 EL TORO RD	92630	HIST CORTESE
LAKE FOREST	U003781763	PACIFIC BELL (LE140/ELTRCA11)	23011 EL TORO RD	92630	SWEEPS UST
LAKE FOREST	S101307745	UNOCAL SERVICE STATION #4966	24201 EL TORO RD	92630	LUST, SWEEPS UST
MISSION VIEJO	1008252787	TRABUCO HILLS HIGH	27501 CORDOVA RD	92691	FINDS
ORANGE	S110734166	LAGUNA HILLS DR PAVEMENT REHABILIT	PKWY FROM MOULTON TO PSO	92653	NPDES
ORANGE COUNTY	M300003123	EL TORO MATERIALS CO.	EL TORO PIT		MINES

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 70

Source: EPA
Telephone: N/A
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 70

Source: EPA
Telephone: N/A
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/01/2012	Source: EPA
Date Data Arrived at EDR: 10/11/2012	Telephone: N/A
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 01/04/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/02/2012	Source: EPA
Date Data Arrived at EDR: 11/28/2012	Telephone: 703-412-9810
Date Made Active in Reports: 01/07/2013	Last EDR Contact: 01/04/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 10/09/2012
Number of Days to Update: 72	Next Scheduled EDR Contact: 01/21/2013
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 11/02/2012	Source: EPA
Date Data Arrived at EDR: 11/28/2012	Telephone: 703-412-9810
Date Made Active in Reports: 01/07/2013	Last EDR Contact: 01/04/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/19/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 132

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/18/2012
Date Data Arrived at EDR: 07/24/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/18/2012
Date Data Arrived at EDR: 07/24/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/15/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 04/02/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 72

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/06/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/06/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/19/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 46

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/19/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/17/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/17/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/01/2012
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 75

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/30/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Semi-Annually

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/12/2012
Date Data Arrived at EDR: 05/09/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 62

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 09/06/2012
Date Data Arrived at EDR: 09/07/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-327-5092
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/12/2012
Date Data Arrived at EDR: 05/02/2012
Date Made Active in Reports: 07/16/2012
Number of Days to Update: 75

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/02/2012
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/01/2012
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 75

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 09/06/2012
Date Data Arrived at EDR: 09/07/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 39

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/15/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/06/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/03/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: No Update Planned

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 09/17/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/12/2012
Number of Days to Update: 23

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/20/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/15/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 45

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 12/14/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/11/2012
Date Data Arrived at EDR: 09/12/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 54

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/06/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2012
Date Data Arrived at EDR: 09/12/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing
Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/16/2012
Date Data Arrived at EDR: 03/26/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 09/18/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 14

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/10/2012
Date Data Arrived at EDR: 09/11/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/01/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 03/28/2012
Date Data Arrived at EDR: 05/01/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 24

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 11/02/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/17/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/17/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/06/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/18/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/19/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 62

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/27/2012
Date Data Arrived at EDR: 03/14/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 92

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/05/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/19/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/19/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/09/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011
Date Data Arrived at EDR: 12/13/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 79

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/30/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of underground control injection wells.

Date of Government Version: 08/14/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 14

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/21/2012
Next Scheduled EDR Contact: 12/31/2012
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/20/2012
Date Data Arrived at EDR: 08/20/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 44

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/19/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 21

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: No Update Planned

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/11/2012
Date Data Arrived at EDR: 12/12/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 23

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 12/24/2012
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 08/15/2011
Date Data Arrived at EDR: 08/23/2011
Date Made Active in Reports: 10/03/2011
Number of Days to Update: 41

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/15/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 14

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/15/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 10/18/2010
Number of Days to Update: 19

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/18/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 10/22/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/16/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/15/2012
Date Data Arrived at EDR: 10/16/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/16/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/26/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/09/2013
Number of Days to Update: 42

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 45

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/16/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 06/01/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 11/02/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/16/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/18/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: N/A

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 32

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 01/18/2012
Date Data Arrived at EDR: 01/27/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 01/18/2012
Date Data Arrived at EDR: 01/27/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

EPA WATCH LIST: EPA WATCH LIST
EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/13/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

US FIN ASSUR: Financial Assurance Information
All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 08/20/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/16/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/02/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 09/17/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 14

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/20/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 09/06/2012
Date Data Arrived at EDR: 09/12/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 21

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 10/09/2012
Date Data Arrived at EDR: 10/12/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 26

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/09/2012
Date Data Arrived at EDR: 10/12/2012
Date Made Active in Reports: 10/24/2012
Number of Days to Update: 12

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Semi-Annually

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 10/16/2012
Date Data Arrived at EDR: 10/17/2012
Date Made Active in Reports: 11/13/2012
Number of Days to Update: 27

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 10/15/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Varies

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 08/16/2012
Date Data Arrived at EDR: 08/22/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 42

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 01/02/2013
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/10/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 27

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Semi-Annually

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 08/20/2012
Date Data Arrived at EDR: 08/22/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 42

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 09/30/2012
Date Data Arrived at EDR: 10/05/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 18

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/28/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 09/10/2012
Date Data Arrived at EDR: 09/11/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 22

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 05/01/2012
Date Data Arrived at EDR: 05/02/2012
Date Made Active in Reports: 06/11/2012
Number of Days to Update: 40

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/04/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/26/2012
Date Data Arrived at EDR: 06/27/2012
Date Made Active in Reports: 08/17/2012
Number of Days to Update: 51

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county?s Certified Unified Program Agency database. California?s Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 07/10/2012
Date Data Arrived at EDR: 07/12/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 56

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 06/28/2012
Date Data Arrived at EDR: 09/25/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 28

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/16/2012
Next Scheduled EDR Contact: 10/26/2012
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/22/2012
Date Data Arrived at EDR: 10/23/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 38

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/23/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 11/16/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 12/29/2011
Date Data Arrived at EDR: 02/02/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 19

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/22/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 10/23/2012
Date Data Arrived at EDR: 10/25/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 36

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/22/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/15/2012
Date Data Arrived at EDR: 10/19/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 19

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/15/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county?s Certified Unified Program Agency database. California?s Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 09/17/2012
Date Data Arrived at EDR: 09/18/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 15

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 07/24/2012
Date Data Arrived at EDR: 07/31/2012
Date Made Active in Reports: 09/14/2012
Number of Days to Update: 45

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 09/18/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 14

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 09/18/2012
Date Data Arrived at EDR: 09/18/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 15

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/05/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 17

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 17

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/15/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 18

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/05/2012
Date Data Arrived at EDR: 09/11/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 22

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/16/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/26/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/16/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/26/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 11/02/2012
Number of Days to Update: 22

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/08/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 11/13/2012
Number of Days to Update: 33

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/29/2012
Date Data Arrived at EDR: 08/30/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 34

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/20/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 44

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 01/02/2013
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 09/24/2012
Date Data Arrived at EDR: 09/25/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 28

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 09/24/2012
Date Data Arrived at EDR: 09/25/2012
Date Made Active in Reports: 11/02/2012
Number of Days to Update: 38

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 10/19/2012
Date Made Active in Reports: 11/13/2012
Number of Days to Update: 25

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/12/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 09/13/2012
Date Data Arrived at EDR: 09/18/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 15

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/12/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 09/04/2012
Date Data Arrived at EDR: 09/06/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/13/2012
Date Data Arrived at EDR: 11/14/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 19

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 08/23/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 36

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/22/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 36

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 09/14/2012
Date Data Arrived at EDR: 10/05/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 18

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/12/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/14/2012
Date Data Arrived at EDR: 10/09/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 14

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/12/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/02/2012
Date Data Arrived at EDR: 10/03/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 20

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 09/06/2012
Date Data Arrived at EDR: 09/11/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 22

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/30/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 42

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/21/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/15/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 10/29/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 27

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 09/20/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 33

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/17/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 10/02/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 19

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 08/16/2012
Date Data Arrived at EDR: 08/16/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 48

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/19/2012
Date Made Active in Reports: 01/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/19/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/16/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 12/11/2012
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/07/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/22/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/27/2012
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/13/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LAGUNA HILLS MALL
24155 LAGUNA HILLS MALL
LAGUNA HILLS, CA 92653

TARGET PROPERTY COORDINATES

Latitude (North):	33.6109 - 33˚ 36’ 39.24’’
Longitude (West):	117.707 - 117˚ 42’ 25.20’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	434411.8
UTM Y (Meters):	3719045.5
Elevation:	355 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33117-E6 SAN JUAN CAPISTRANO, CA
Most Recent Revision:	1981
North Map:	33117-F6 EL TORO, CA
Most Recent Revision:	1982

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

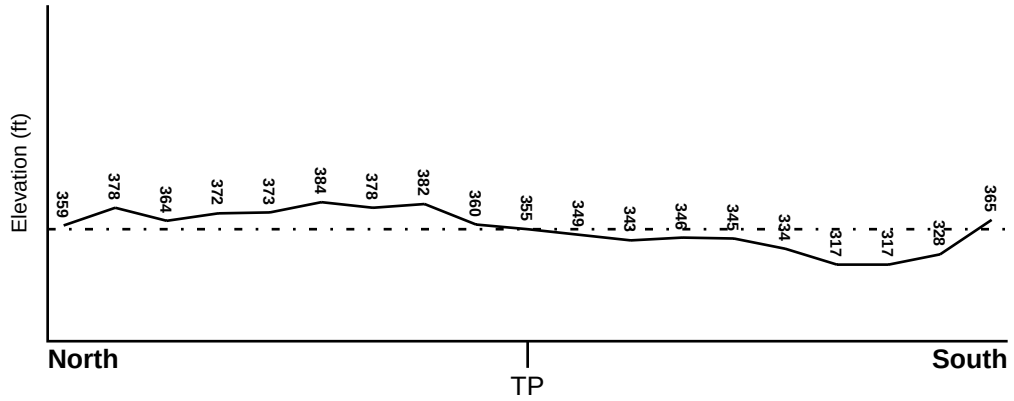
TOPOGRAPHIC INFORMATION

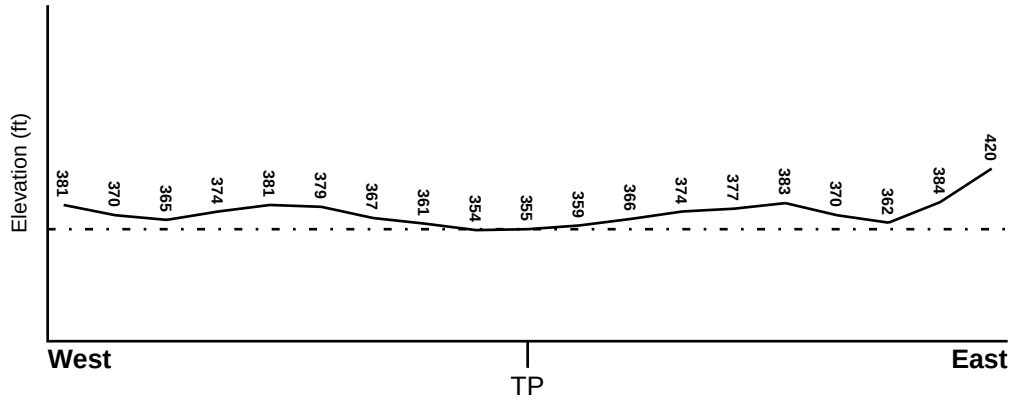
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 355 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
ORANGE, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06059C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SAN JUAN CAPISTRANO	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
A1	1/4 - 1/2 Mile WNW	SE
B3	1/4 - 1/2 Mile NNE	W
B4	1/4 - 1/2 Mile NNE	W
B5	1/4 - 1/2 Mile NNE	Not Reported
6	1/4 - 1/2 Mile NNE	NNW
7	1/2 - 1 Mile West	NE

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

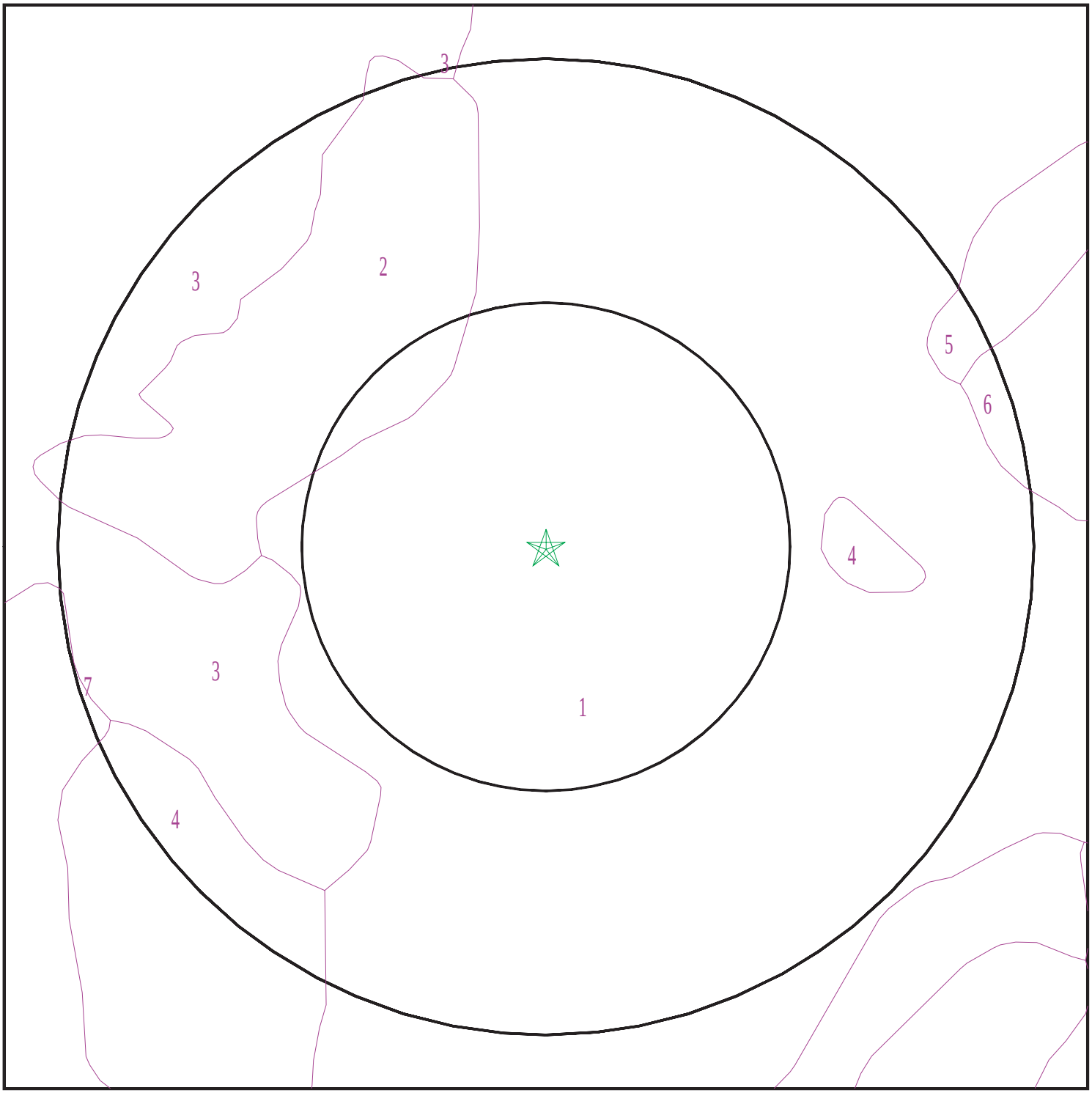
Era:	Cenozoic
System:	Tertiary
Series:	Miocene
Code:	Tm *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 3492747.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME: Laguna Hills Mall ADDRESS: 24155 Laguna Hills Mall Laguna Hills CA 92653 LAT/LONG: 33.6109 / 117.707	CLIENT: Tor Environmental, Inc. CONTACT: Jeff Borum INQUIRY #: 3492747.2s DATE: January 11, 2013 10:17 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: SORRENTO

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	11 inches	61 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	61 inches	72 inches	stratified loamy fine sand to silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: BALCOM

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	33 inches	clay loam	Not reported	Not reported	Max: Min:	Max: Min:
2	33 inches	38 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 3

Soil Component Name: MYFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	11 inches	18 inches	sandy clay	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
3	18 inches	27 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
4	27 inches	70 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
5	70 inches	79 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

Soil Map ID: 4

Soil Component Name: CALLEGUAS

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:
2	14 inches	18 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:

Soil Map ID: 5

Soil Component Name: SORRENTO

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	11 inches	61 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	61 inches	72 inches	stratified loamy fine sand to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 6

Soil Component Name: CROPLEY

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	29 inches	clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	29 inches	59 inches	clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

Soil Map ID: 7

Soil Component Name: CROPLEY

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	29 inches	clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	29 inches	59 inches	clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	CA3601036	1/4 - 1/2 Mile WNW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3492747.2s

0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Laguna Hills Mall	CLIENT:	Tor Environmental, Inc.
ADDRESS:	24155 Laguna Hills Mall Laguna Hills CA 92653	CONTACT:	Jeff Borum
		INQUIRY #:	3492747.2s
LAT/LONG:	33.6109 / 117.707	DATE:	January 11, 2013 10:17 am

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Map ID Direction Distance Elevation			Database	EDR ID Number
A1 **WNW** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083002480T SE Not Reported Not Reported 15.3 01/30/1998	**AQUIFLOW**	**34001**

A2
WNW
1/4 - 1/2 Mile
Higher

FRDS PWS **CA3601036**

PWS ID: CA3601036
Date Initiated: Not Reported Date Deactivated: Not Reported
PWS Name: CALICO LAKE HOMEOWNERS'
YERMO, CA 92398

Addressee / Facility: System Owner/Responsible Party
CALICO LK HOMEOWNERS'
P O BOX 911
YERMO, CA 923980000

Facility Latitude: 33 36 45 Facility Longitude: 117 42 42
City Served: Not Reported
Treatment Class: Untreated Population: 36

Violations information not reported.

ENFORCEMENT INFORMATION:

Truedate: 03/31/2009 Pwsid: CA3601036
Pwsname: Calico Lakes Homeowners
Retpopsrvd: 25 Pwstypecod: C
Vioid: 0000003 Contaminant: COLIFORM (TCR)
Viol. Type: Monitoring, Routine Major (TCR)
Complperbe: 1/1/2000 0:00:00
Complperen: 1/31/2000 0:00:00 Enfdate: No Enf Action as of
Enf action: 7/8/2009 0:00:00
Violmeasur: Not Reported

Truedate: 03/31/2009 Pwsid: CA3601036
Pwsname: Calico Lakes Homeowners
Retpopsrvd: 25 Pwstypecod: C
Vioid: 0000004 Contaminant: COLIFORM (TCR)
Viol. Type: Monitoring, Routine Major (TCR)
Complperbe: 3/1/2000 0:00:00
Complperen: 3/31/2000 0:00:00 Enfdate: No Enf Action as of
Enf action: 7/8/2009 0:00:00
Violmeasur: Not Reported

Truedate:	03/31/2009	Pwsid:	CA3601036
Pwsname:	Calico Lakes Homeowners		
Retpopsrvd:	25	Pwstypecod:	C
Vioid:	0000005	Contaminant:	COLIFORM (TCR)
Viol. Type:	Monitoring, Routine Major (TCR)		
Complperbe:	4/1/2000 0:00:00		
Complperen:	4/30/2000 0:00:00	Enfdate:	No Enf Action as of
Enf action:	7/8/2009 0:00:00		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	CA3601036
Pwsname:	Calico Lakes Homeowners		
Retpopsrvd:	25	Pwstypecod:	C
Vioid:	0000006	Contaminant:	COLIFORM (TCR)
Viol. Type:	Monitoring, Routine Major (TCR)		
Complperbe:	7/1/2000 0:00:00		
Complperen:	7/31/2000 0:00:00	Enfdate:	No Enf Action as of
Enf action:	7/8/2009 0:00:00		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	CA3601036
Pwsname:	Calico Lakes Homeowners		
Retpopsrvd:	25	Pwstypecod:	C
Vioid:	0000007	Contaminant:	COLIFORM (TCR)
Viol. Type:	Monitoring, Routine Major (TCR)		
Complperbe:	9/1/2000 0:00:00		
Complperen:	9/30/2000 0:00:00	Enfdate:	No Enf Action as of
Enf action:	7/8/2009 0:00:00		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	CA3601036
Pwsname:	Calico Lakes Homeowners		
Retpopsrvd:	25	Pwstypecod:	C
Vioid:	0100001	Contaminant:	COLIFORM (TCR)
Viol. Type:	Monitoring, Routine Major (TCR)		
Complperbe:	11/1/2000 0:00:00		
Complperen:	11/30/2000 0:00:00	Enfdate:	No Enf Action as of
Enf action:	7/8/2009 0:00:00		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	CA3601036
Pwsname:	Calico Lakes Homeowners		
Retpopsrvd:	25	Pwstypecod:	C
Vioid:	0100002	Contaminant:	COLIFORM (TCR)
Viol. Type:	Monitoring, Routine Major (TCR)		
Complperbe:	1/1/2001 0:00:00		
Complperen:	1/31/2001 0:00:00	Enfdate:	No Enf Action as of
Enf action:	7/8/2009 0:00:00		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	CA3601036
Pwsname:	Calico Lakes Homeowners		
Retpopsrvd:	25	Pwstypecod:	C
Vioid:	0200001	Contaminant:	COLIFORM (TCR)
Viol. Type:	Monitoring, Routine Major (TCR)		
Complperbe:	9/1/2002 0:00:00		
Complperen:	9/30/2002 0:00:00	Enfdate:	10/23/2002 0:00:00
Enf action:	State Admin Penalty Assessed		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	CA3601036
Pwsname:	Calico Lakes Homeowners		
Retpopsrvd:	25	Pwstypecod:	C
Vioid:	0300001	Contaminant:	COLIFORM (TCR)
Viol. Type:	Monitoring, Routine Major (TCR)		
Complperbe:	8/1/2003 0:00:00		
Complperen:	8/31/2003 0:00:00	Enfdate:	10/2/2003 0:00:00
Enf action:	State Violation/Reminder Notice		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	CA3601036
Pwsname:	Calico Lakes Homeowners		
Retpopsrvd:	25	Pwstypecod:	C
Vioid:	0300002	Contaminant:	COLIFORM (TCR)
Viol. Type:	Monitoring, Routine Major (TCR)		
Complperbe:	10/1/2003 0:00:00		
Complperen:	10/31/2003 0:00:00	Enfdate:	11/20/2003 0:00:00
Enf action:	State Admin Penalty Assessed		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	CA3601036
Pwsname:	Calico Lakes Homeowners		
Retpopsrvd:	25	Pwstypecod:	C
Vioid:	0300002	Contaminant:	COLIFORM (TCR)
Viol. Type:	Monitoring, Routine Major (TCR)		
Complperbe:	10/1/2003 0:00:00		
Complperen:	10/31/2003 0:00:00	Enfdate:	11/20/2003 0:00:00
Enf action:	State Public Notif Requested		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	CA3601036
Pwsname:	Calico Lakes Homeowners		
Retpopsrvd:	25	Pwstypecod:	C
Vioid:	95V0001	Contaminant:	LEAD & COPPER RULE
Viol. Type:	Initial Tap Sampling for Pb and Cu		
Complperbe:	7/1/1993 0:00:00		
Complperen:	9/30/2005 0:00:00	Enfdate:	9/30/2005 0:00:00
Enf action:	Fed Compliance Achieved		
Violmeasur:	0		

System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1/1/2000 0:00:00 - 1/31/2000 0:00:00		
Violation ID:	0066003		
Enforcement Date:	No Enf Action as of	Enf. Action:	10/17/2006 0:00:00

System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1/1/2000 0:00:00 - 1/31/2000 0:00:00		
Violation ID:	0066003		
Enforcement Date:	4/12/2007 0:00:00	Enf. Action:	Not Reported

System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	3/1/2000 0:00:00 - 3/31/2000 0:00:00		
Violation ID:	0066004		
Enforcement Date:	4/12/2007 0:00:00	Enf. Action:	Not Reported

ENFORCEMENT INFORMATION:

System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	3/1/2000 0:00:00 - 3/31/2000 0:00:00		
Violation ID:	0066004		
Enforcement Date:	No Enf Action as of	Enf. Action:	10/17/2006 0:00:00
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	4/1/2000 0:00:00 - 4/30/2000 0:00:00		
Violation ID:	0066005		
Enforcement Date:	4/12/2007 0:00:00	Enf. Action:	Not Reported
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	4/1/2000 0:00:00 - 4/30/2000 0:00:00		
Violation ID:	0066005		
Enforcement Date:	No Enf Action as of	Enf. Action:	10/17/2006 0:00:00
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	7/1/2000 0:00:00 - 7/31/2000 0:00:00		
Violation ID:	0066006		
Enforcement Date:	4/12/2007 0:00:00	Enf. Action:	Not Reported
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	7/1/2000 0:00:00 - 7/31/2000 0:00:00		
Violation ID:	0066006		
Enforcement Date:	No Enf Action as of	Enf. Action:	10/17/2006 0:00:00
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	9/1/2000 0:00:00 - 9/30/2000 0:00:00		
Violation ID:	0066007		
Enforcement Date:	4/12/2007 0:00:00	Enf. Action:	Not Reported
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	9/1/2000 0:00:00 - 9/30/2000 0:00:00		
Violation ID:	0066007		
Enforcement Date:	No Enf Action as of	Enf. Action:	10/17/2006 0:00:00
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	11/1/2000 0:00:00 - 11/30/2000 0:00:00		
Violation ID:	0166001		
Enforcement Date:	No Enf Action as of	Enf. Action:	10/17/2006 0:00:00
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	11/1/2000 0:00:00 - 11/30/2000 0:00:00		
Violation ID:	0166001		
Enforcement Date:	4/12/2007 0:00:00	Enf. Action:	Not Reported

ENFORCEMENT INFORMATION:

System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1/1/2001 0:00:00 - 1/31/2001 0:00:00		
Violation ID:	0166002		
Enforcement Date:	No Enf Action as of	Enf. Action:	10/17/2006 0:00:00
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1/1/2001 0:00:00 - 1/31/2001 0:00:00		
Violation ID:	0166002		
Enforcement Date:	4/12/2007 0:00:00	Enf. Action:	Not Reported
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	9/1/2002 0:00:00 - 9/30/2002 0:00:00		
Violation ID:	0266001		
Enforcement Date:	No Enf Action as of	Enf. Action:	10/17/2006 0:00:00
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	9/1/2002 0:00:00 - 9/30/2002 0:00:00		
Violation ID:	0266001		
Enforcement Date:	4/12/2007 0:00:00	Enf. Action:	Not Reported
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	8/1/2003 0:00:00 - 8/31/2003 0:00:00		
Violation ID:	0300001		
Enforcement Date:	4/12/2007 0:00:00	Enf. Action:	Not Reported
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	8/1/2003 0:00:00 - 8/31/2003 0:00:00		
Violation ID:	0300001		
Enforcement Date:	10/2/2003 0:00:00	Enf. Action:	State Violation/Reminder Notice
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	10/1/2003 0:00:00 - 10/31/2003 0:00:00		
Violation ID:	0300002		
Enforcement Date:	11/20/2003 0:00:00	Enf. Action:	State Public Notif Requested
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	10/1/2003 0:00:00 - 10/31/2003 0:00:00		
Violation ID:	0300002		
Enforcement Date:	11/20/2003 0:00:00	Enf. Action:	State Admin Penalty Assessed
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	10/01/03 - 10/31/03		
Violation ID:	0300002		
Enforcement Date:	11/20/03	Enf. Action:	State Public Notif Requested

ENFORCEMENT INFORMATION:

System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	10/01/03 - 10/31/03		
Violation ID:	0300002		
Enforcement Date:	11/20/03	Enf. Action:	State Admin Penalty Assessed
System Name:	CALICO LAKE HOMEOWNERS'		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-01-01 - 1995-01-31		
Violation ID:	9566004		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	CALICO LAKE HOMEOWNERS'		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-02-01 - 1995-02-28		
Violation ID:	9566005		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	CALICO LAKE HOMEOWNERS'		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-07-01 - 1995-07-31		
Violation ID:	9566007		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	07/01/93 - 09/30/05		
Violation ID:	95V0001		
Enforcement Date:	09/30/05	Enf. Action:	Fed Compliance Achieved
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	7/1/1993 0:00:00 - 9/30/2005 0:00:00		
Violation ID:	95V0001		
Enforcement Date:	9/30/2005 0:00:00	Enf. Action:	Fed Compliance Achieved
System Name:	CALICO LK HOMEOWNERS		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1993-07-01 - 2015-12-31		
Violation ID:	95V0001		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	CALICO LK HOMEOWNERS		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1993-07-01 - 2015-12-31		
Violation ID:	95V0001		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	CALICO LAKES HOMEOWNERS		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1993-07-01 - 2015-12-31		
Violation ID:	95V0001		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported

ENFORCEMENT INFORMATION:

System Name:	CALICO LAKE HOMEOWNERS'		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-12-01 - 1995-12-31		
Violation ID:	9666008		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	CALICO LK HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-01-01 - 1999-01-31		
Violation ID:	9966004		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	CALICO LK HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-02-01 - 1999-02-28		
Violation ID:	9966005		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	CALICO LK HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-03-01 - 1999-03-31		
Violation ID:	9966006		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	CALICO LK HOMEOWNERS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-04-01 - 1999-04-30		
Violation ID:	9966007		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported

CONTACT INFORMATION:

Name:	Calico Lakes Homeowners	Population:	25
Contact:	George Sioss	Phone:	Not Reported
Address:	PO Box 401217		
Address 2:	Hesperia CA, 92 76025		

B3
NNE
1/4 - 1/2 Mile
Higher

Site ID:	083001244T	**AQUIFLOW**	**39018**
Groundwater Flow:	W		
Shallow Water Depth:	13		
Deep Water Depth:	15.5		
Average Water Depth:	Not Reported		
Date:	05/18/1995		

B4
NNE
1/4 - 1/2 Mile
Higher

Site ID:	083001244T	**AQUIFLOW**	**39019**
Groundwater Flow:	W		
Shallow Water Depth:	13		
Deep Water Depth:	15.5		
Average Water Depth:	Not Reported		
Date:	05/18/1995		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
B5 **NNE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083003094T Not Reported 4.88 8.75 Not Reported 08/03/1998	**AQUIFLOW**	**34291**
6 **NNE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083000633T NNW Not Reported Not Reported 8.87 11/24/1997	**AQUIFLOW**	**66490**
7 **West** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083001598T NE Not Reported Not Reported 9.15 01/29/1999	**AQUIFLOW**	**54808**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92653	108	5

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 92653

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.200 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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24155 LAGUNA HILLS MALL RD
LAGUNA HILLS, CA 92654

Inquiry Number:
January 21, 2013

EDR Site Report™

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary . . . . . Page 3

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports . . . . . Page 4

All available detailed information from databases where sites are identified.

Section 3: Databases and Update Information. . . . . Page 5

Name, source, update dates, contact phone number and description of each of the databases for this report.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 24155 LAGUNA HILLS MALL RD LAGUNA HILLS, CA 92654 EDR ID #91203463
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	**YES - p4**
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility has reported emergency releases to the soil

DATABASE: Emergency Response Notification System (ERNS)

24155 LAGUNA HILLS MALL RD
LAGUNA HILLS, CA 92654
EDR ID #91203463

ERNS:

Site ID:	91203463
Site location:	24155 LAGUNA HILLS MALL RD LAGUNA HILLS, CA 92654-
County:	ORANGE
Report number:	Not reported
EPA region:	09
Spill date:	02/01/1991
Spill time:	22:08
Medium affected:	Land
Damage:	False
Damage $ amount:	0.00
Number of injured:	0
Number of fatalities:	0
Notes:	NONE
Discharger:	J.C. PENNEY
Discharger address:	24155 LAGUNA HILLS MALL RD LAGUNA HILLS, CA 92654-
Discharger county:	ORANGE
C.G. Unit:	Not reported
EPA notified:	True
Initial report:	True
Updated report:	True
Spill cause:	Unknown
Spilled material:	QUIK MELT
Spill total qty:	2.00 GAL
In water:	0.00
DOT #:	Not reported
CAS:	Not reported
Quantity (lbs):	16.68
Description:	Not reported
Action:	FD WILL CLEANUP
Comments:	Not reported

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 04/02/2012
Database Release Frequency: Annually

Date of Last EDR Contact: 01/17/2013
Date of Next Scheduled Update: 04/15/2013

J C PENNEY CO INC
200 LAGUNA HILLS MALL
LAGUNA HILLS, CA 92653

Inquiry Number:
January 21, 2013

EDR Site Report™

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary . . . . . Page 3

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports . . . . . Page 4

All available detailed information from databases where sites are identified.

Section 3: Databases and Update Information. . . . . Page 6

Name, source, update dates, contact phone number and description of each of the databases for this report.

Thank you for your business.
Please contact EDR at 1-800-352-0050
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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 **J C PENNEY CO INC** 200 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653 EDR ID #U003783453
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	**YES - p4**
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	**YES - p5**
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	2

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility manages registered underground storage tanks

DATABASE: Petroleum Storage Tank Database (UST)

J C PENNEY CO INC
200 LAGUNA HILLS MALL
LAGUNA HILLS, CA 92653
EDR ID #U003783453

UST:

Facility ID:	5291
Latitude:	33.59612
Longitude:	-117.69903

MULTIMEDIA

Facility is listed in a county/local unique database

DATABASE: State/County (LOCAL)

J C PENNEY CO INC
200 LAGUNA HILLS MALL
LAGUNA HILLS, CA 92653
EDR ID #U003783453

SWEEPS UST:

Status:	A
Comp Number:	5291
Number:	9
Board Of Equalization:	Not reported
Ref Date:	09-30-92
Act Date:	09-15-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	30-000-005291-000002
Actv Date:	Not reported
Capacity:	1000
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	1

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

CA UST: Active UST Facilities
Source: SWRCB
Telephone: 916-341-5851
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 10/17/2012
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 12/18/2012
Date of Next Scheduled Update: 04/01/2013

CA SWEEPS UST: SWEEPS UST Listing
Source: State Water Resources Control Board
Telephone: Not reported
Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 06/03/2005
Date of Next Scheduled Update: Not reported

Appendix B

EDR Historical Aerial Photo Decade Package

Laguna Hills Mall
24155 Laguna Hills Mall
Laguna Hills, CA 92653

Inquiry Number: 3492747.5
January 15, 2013

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography January 15, 2013

Target Property:

24155 Laguna Hills Mall

Laguna Hills, CA 92653

Year	***Scale***	***Details***	***Source***
1938	Aerial Photograph. Scale: 1"=500'	Flight Year: 1938	Laval
1946	Aerial Photograph. Scale: 1"=500'	Flight Year: 1946	Jack Ammann
1953	Aerial Photograph. Scale: 1"=500'	Flight Year: 1953	Pacific Air
1960	Aerial Photograph. Scale: 1"=500'	Flight Year: 1960	Fairchild
1968	Aerial Photograph. Scale: 1"=500'	Flight Year: 1968	Teledyne
1977	Aerial Photograph. Scale: 1"=500'	Flight Year: 1977	Teledyne
1989	Aerial Photograph. Scale: 1"=500'	Flight Year: 1989	USGS
1994	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1994	EDR
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR

INQUIRY #: 3492747.5
YEAR: 1938
= 500'
N
EDR Environmental Data Resources Inc

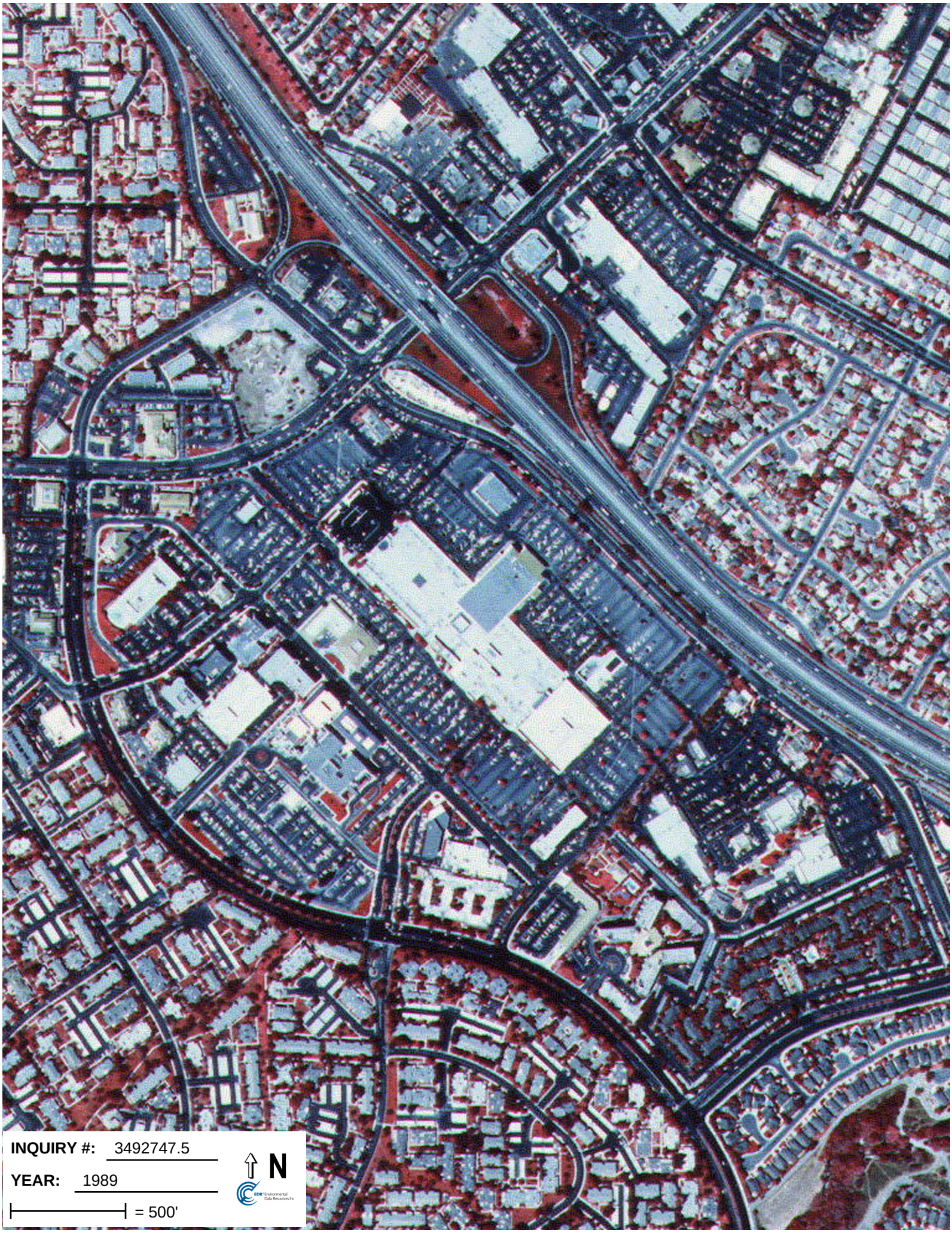
INQUIRY #: 3492747.5
YEAR: 1946
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3492747.5
YEAR: 1953
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3492747.5
YEAR: 1960
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3492747.5
YEAR: 1968
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3492747.5
YEAR: 1977
= 500'
N
EDR Environmental Data Resources Inc


INQUIRY #: 3492747.5
YEAR: 1989
= 500'
N

INQUIRY #: 3492747.5
YEAR: 1994
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3492747.5
YEAR: 2005
= 500'
N

Appendix C

EDR Sanborn Fire Insurance Maps

Laguna Hills Mall
24155 Laguna Hills Mall
Laguna Hills, CA 92653

Inquiry Number: 3492747.3
January 11, 2013

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

1/11/13

Site Name:
Laguna Hills Mall
24155 Laguna Hills Mall
Laguna Hills, CA 92653

Client Name:
Tor Environmental, Inc.
2631 Canto Rompeolas
San Clemente, CA 92673

EDR Inquiry # 3492747.3

Contact: Jeff Borum

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Tor Environmental, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Laguna Hills Mall
Address: 24155 Laguna Hills Mall
City, State, Zip: Laguna Hills, CA 92653
Cross Street:
P.O. # GW077
Project: Laguna Hills Mall
Certification # AEA3-4CE2-8E11

Sanborn® Library search results
Certification # AEA3-4CE2-8E11

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Appendix D

EDR City Directory

Appendix E

EDR Historical Topographic Maps

Laguna Hills Mall
24155 Laguna Hills Mall
Laguna Hills, CA 92653

Inquiry Number: 3492747.4
January 11, 2013

EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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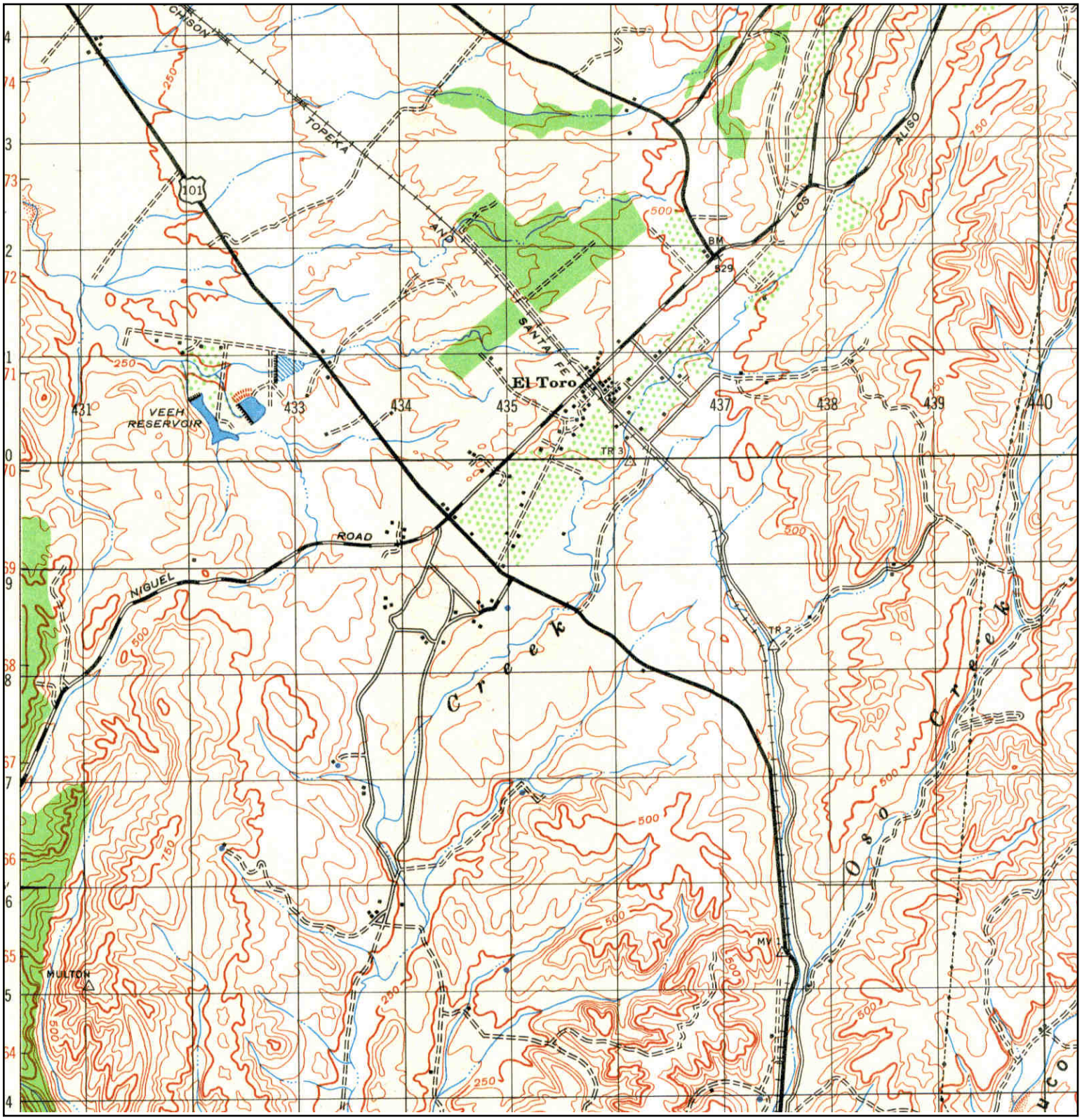
Historical Topographic Map

N	TARGET QUAD NAME: SOUTHERN CA SHEET 1 MAP YEAR: 1901 SERIES: 60 SCALE: 1:250000	SITE NAME: Laguna Hills Mall ADDRESS: 24155 Laguna Hills Mall Laguna Hills, CA 92653 LAT/LONG: 33.6109 / -117.707	CLIENT: Tor Environmental, Inc. CONTACT: Jeff Borum INQUIRY#: 3492747.4 RESEARCH DATE: 01/11/2013

Historical Topographic Map

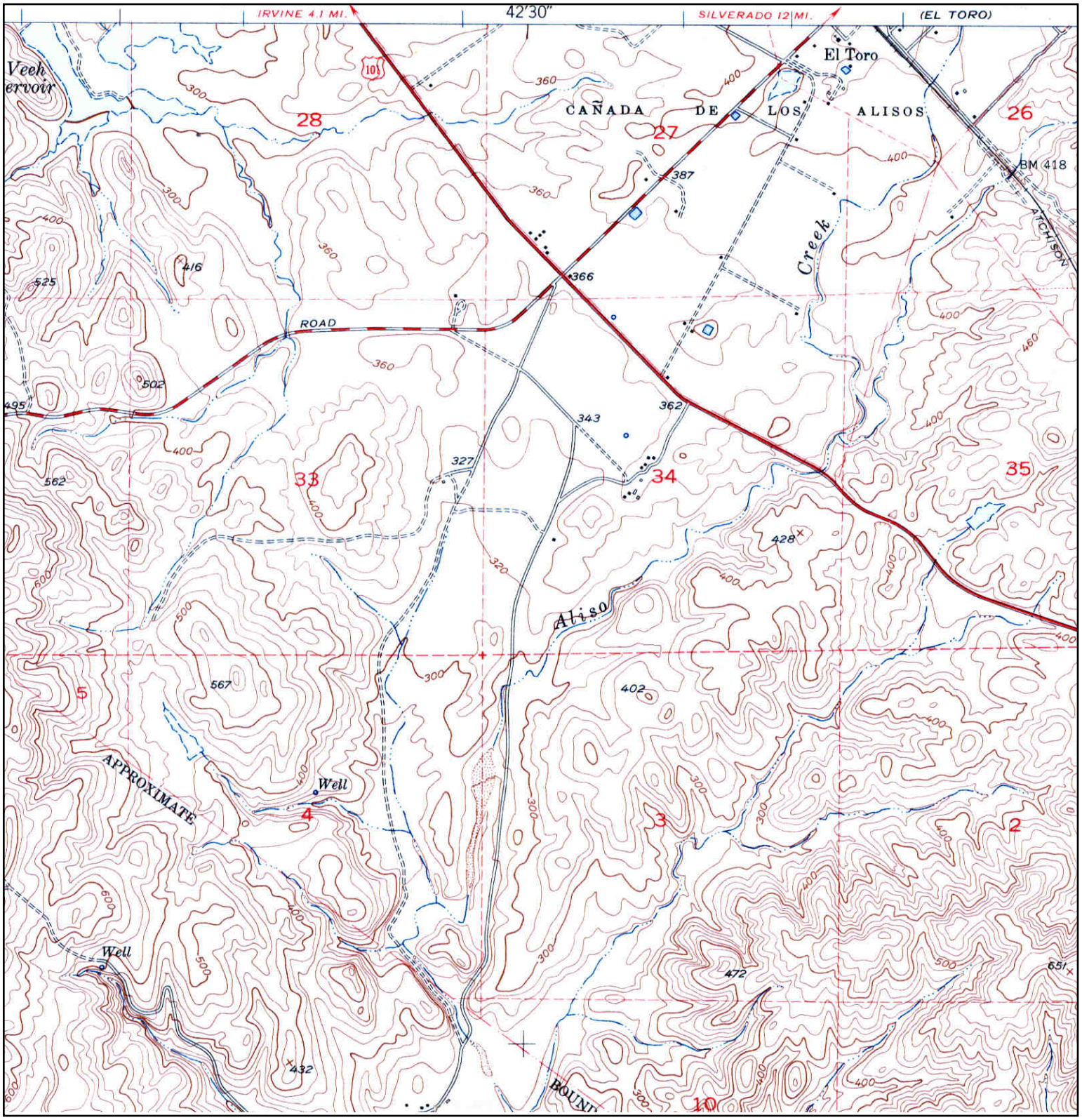
N	TARGET QUAD NAME: CORONA MAP YEAR: 1902 SERIES: 30 SCALE: 1:125000	SITE NAME: Laguna Hills Mall ADDRESS: 24155 Laguna Hills Mall Laguna Hills, CA 92653 LAT/LONG: 33.6109 / -117.707	CLIENT: Tor Environmental, Inc. CONTACT: Jeff Borum INQUIRY#: 3492747.4 RESEARCH DATE: 01/11/2013

Historical Topographic Map



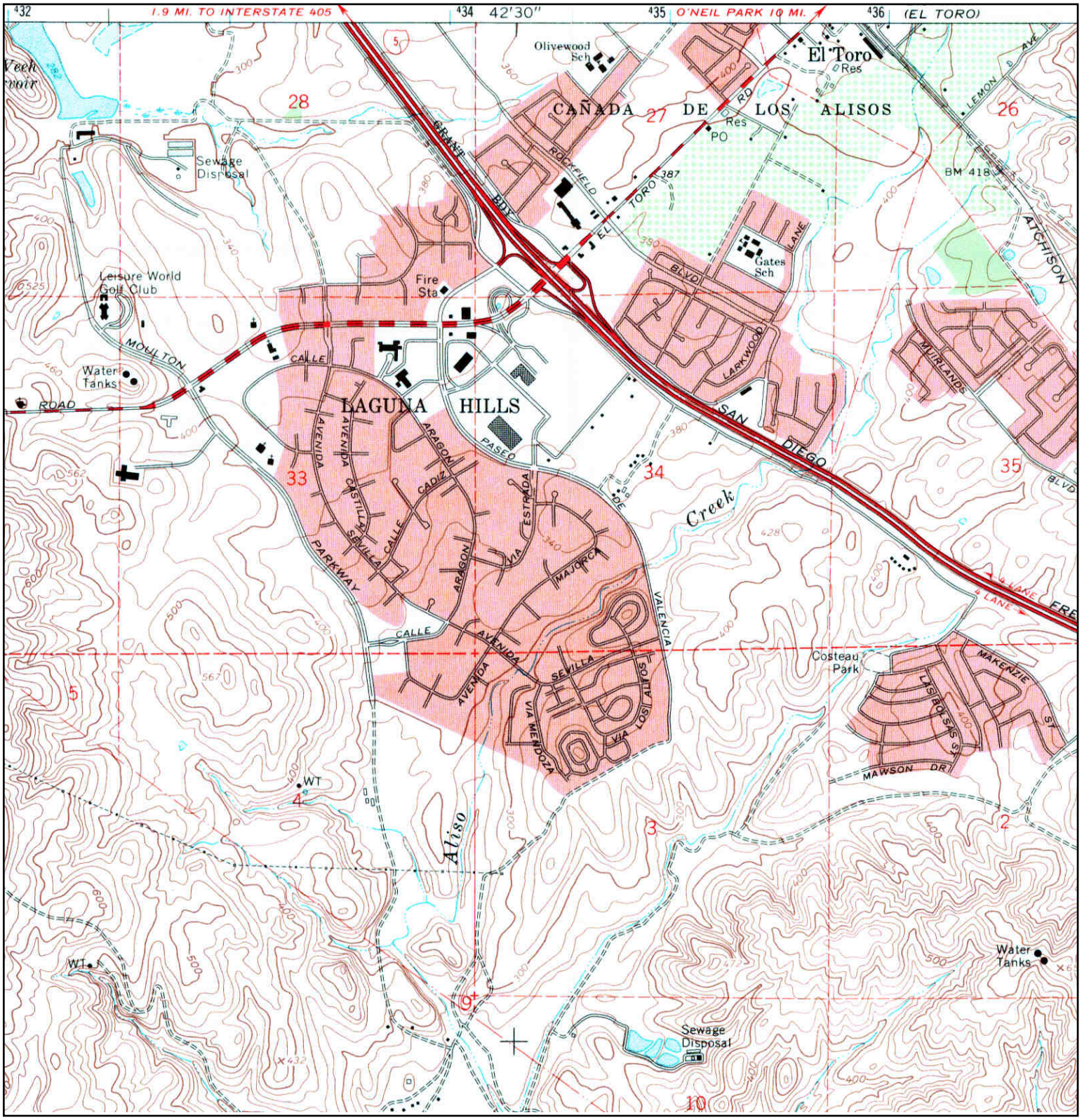
N	TARGET QUAD NAME: SANTIAGO PEAK MAP YEAR: 1942 SERIES: 15 SCALE: 1:50000	SITE NAME: Laguna Hills Mall ADDRESS: 24155 Laguna Hills Mall Laguna Hills, CA 92653 LAT/LONG: 33.6109 / -117.707	CLIENT: Tor Environmental, Inc. CONTACT: Jeff Borum INQUIRY#: 3492747.4 RESEARCH DATE: 01/11/2013

Historical Topographic Map



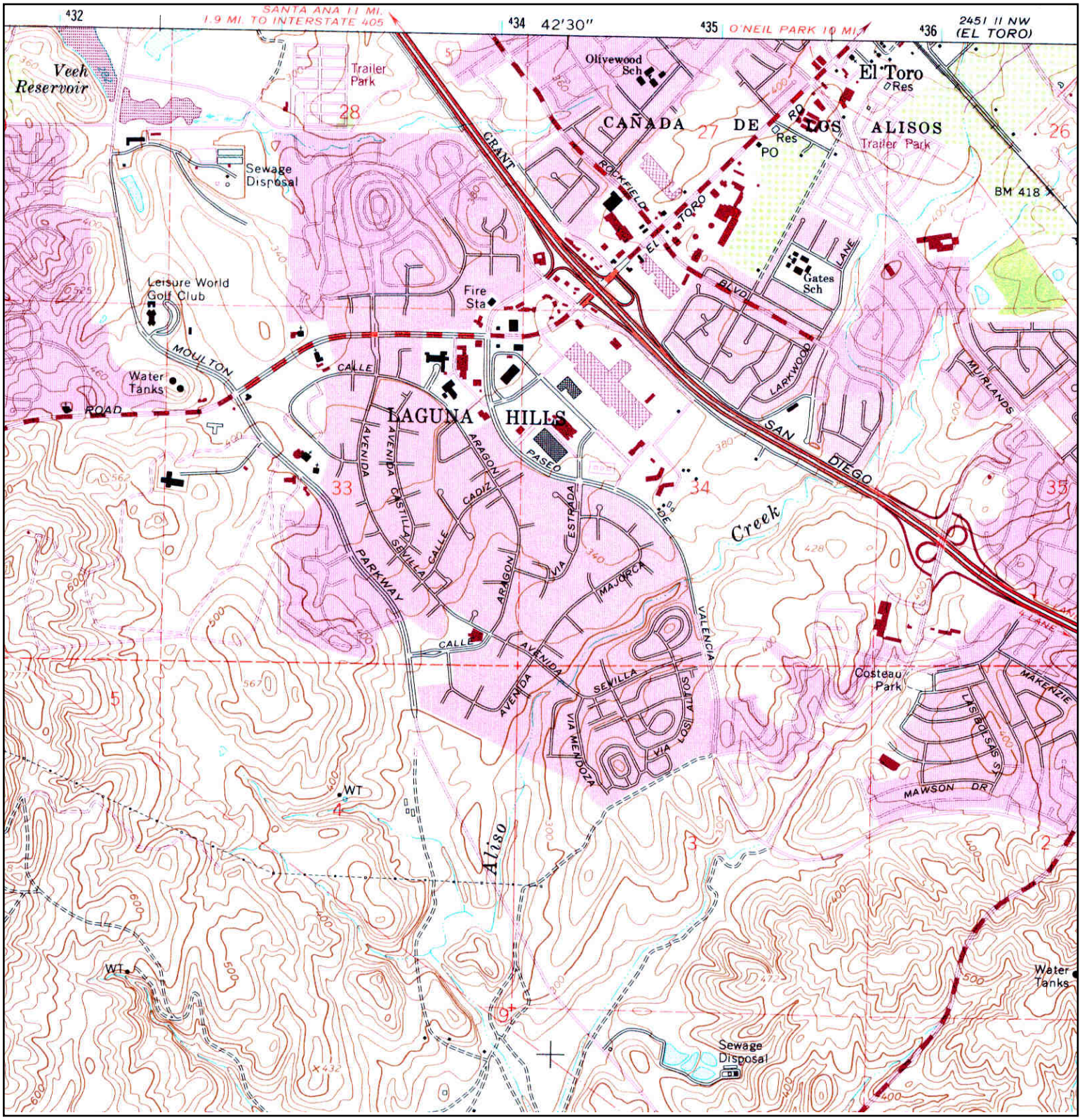
N	TARGET QUAD NAME: SAN JUAN CAPISTRANO MAP YEAR: 1948 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Laguna Hills Mall ADDRESS: 24155 Laguna Hills Mall Laguna Hills, CA 92653 LAT/LONG: 33.6109 / -117.707	CLIENT: Tor Environmental, Inc. CONTACT: Jeff Borum INQUIRY#: 3492747.4 RESEARCH DATE: 01/11/2013

Historical Topographic Map



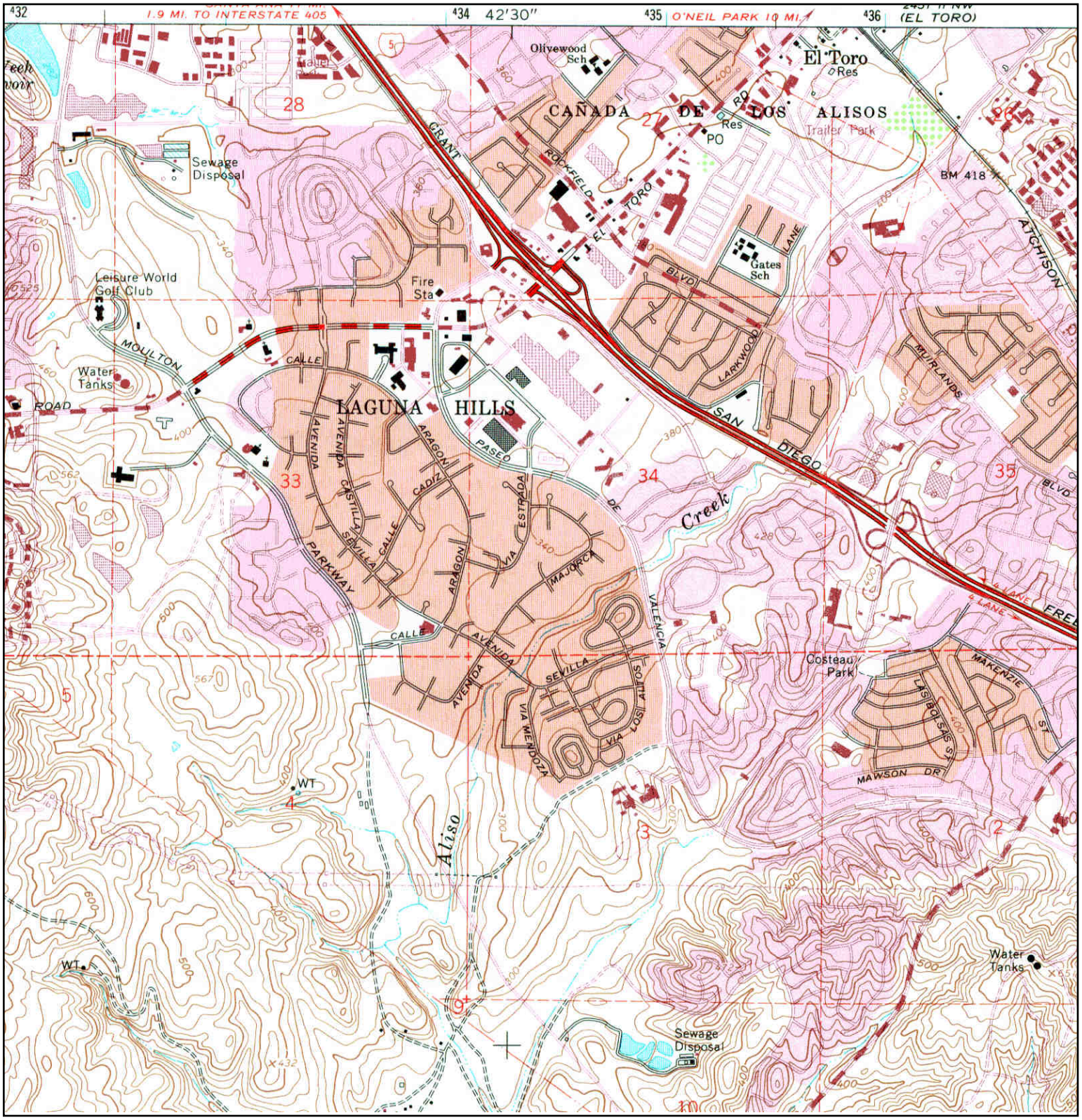
N	TARGET QUAD NAME: SAN JUAN CAPISTRANO MAP YEAR: 1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Laguna Hills Mall ADDRESS: 24155 Laguna Hills Mall Laguna Hills, CA 92653 LAT/LONG: 33.6109 / -117.707	CLIENT: Tor Environmental, Inc. CONTACT: Jeff Borum INQUIRY#: 3492747.4 RESEARCH DATE: 01/11/2013

Historical Topographic Map



N	TARGET QUAD NAME: SAN JUAN CAPISTRANO MAP YEAR: 1978 PHOTOREVISED FROM :1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Laguna Hills Mall ADDRESS: 24155 Laguna Hills Mall Laguna Hills, CA 92653 LAT/LONG: 33.6109 / -117.707	CLIENT: Tor Environmental, Inc. CONTACT: Jeff Borum INQUIRY#: 3492747.4 RESEARCH DATE: 01/11/2013

Historical Topographic Map



N	TARGET QUAD NAME: SAN JUAN CAPISTRANO MAP YEAR: 1981 PHOTOREVISED FROM :1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Laguna Hills Mall ADDRESS: 24155 Laguna Hills Mall Laguna Hills, CA 92653 LAT/LONG: 33.6109 / -117.707	CLIENT: Tor Environmental, Inc. CONTACT: Jeff Borum INQUIRY#: 3492747.4 RESEARCH DATE: 01/11/2013

Appendix F

Environmental Lien Search and Activity Use Limitations

Laguna Hills Mall
24155 Laguna Hills Mall
Laguna Hills, CA 92653

Inquiry Number: 3492747.8
January 11, 2013

The EDR Property Tax Map Report

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

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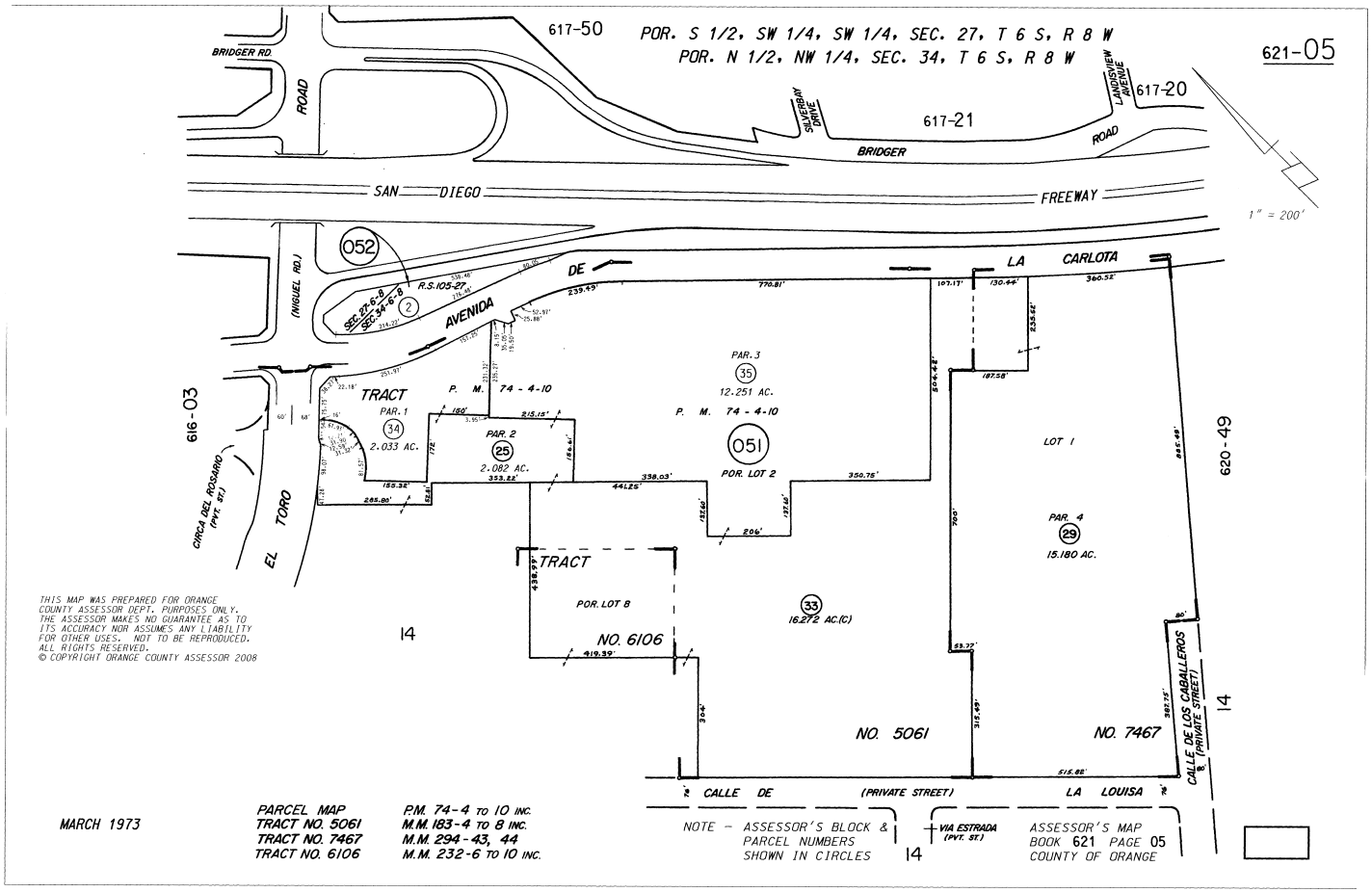
POR. S 1/2, SW 1/4, SW 1/4, SEC. 27, T 6 S, R 8 W
POR. N 1/2, NW 1/4, SEC. 34, T 6 S, R 8 W
621-05
617-50
617-21
617-20
BRIDGER RD.
ROAD
BRIDGER
ROAD
SILVERWAY DRIVE
LANDSVIEW AVENUE
SAN DIEGO FREEWAY
1" = 200'
052
(MIGUEL RD.)
SEC. 27-6-8
SEC. 34-6-8
R.S. 105-27
AVENIDA DE LA CARLOTA
616-03
620-49
TRACT
PAR. 1
34
2.033 AC.
P. M. 74-4-10
PAR. 2
25
2.082 AC.
PAR. 3
35
12.251 AC.
P. M. 74-4-10
051
POR. LOT 2
LOT 1
PAR. 4
29
15.180 AC.
CIRCA DEL ROSARIO (PVT. ST.)
EL TORO
TRACT
POR. LOT 8
NO. 6106
33
16.272 AC.(C)
NO. 5061
NO. 7467
CALLE DE LOS CABALLEROS (PRIVATE STREET)
CALLE DE (PRIVATE STREET) LA LOUISA
14
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MARCH 1973
PARCEL MAP P.M. 74-4 TO 10 INC.
TRACT NO. 5061 M.M. 183-4 TO 8 INC.
TRACT NO. 7467 M.M. 294-43, 44
TRACT NO. 6106 M.M. 232-6 TO 10 INC.
NOTE - ASSESSOR'S BLOCK & PARCEL NUMBERS SHOWN IN CIRCLES
VIA ESTRADA (PVT. ST.)
ASSESSOR'S MAP BOOK 621 PAGE 05 COUNTY OF ORANGE

Appendix G

User Provided Information

EMG

Prepared for: Shopping Center Associates
c/o J.W. O'Connor & Company, Inc.
399 Park Avenue
New York, New York 10022
Mr. Richard L. Taylor

Phase I
Environmental Site Assessment of
Laguna Hills Mall
24155 Laguna Hills Mall
Laguna Hills, California 92653

9/5/97

EMG Project No.: 30322012.97B

Date of Report: September 5, 1997

Prepared by: EMG
EMG Corporate Center
11011 McCormick Road
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(410) 785-6220 (fax)

EMG

PROJECT SUMMARY

Laguna Hills Mall
24155 Laguna Hills Mall
Laguna Hills, California 92653

EMG Project No.: 30322012.97B **Date of Report: September 5, 1997**

Assessment Component	Acceptable	Routine Solution	Phase II	Estimated Cost §	Reference Section	Page
Historical Review	✓				5	13
Operational Activities	✓				6.1	19
Hazardous Materials		(1)		$500	6.2	20
Waste Generation	✓				6.3	21
PCBs	✓				6.4	22
Asbestos		(2)		$450	6.5	24
Tanks/Pipelines		(3)		$1,250	6.6	24
Surface Areas		(3) & (4)			6.7	26
Regulatory Database Review		(3) & (4)			7	27
Adjacent Properties		(4)		$1,250	8	38

§ *Costs depicted are for investigation/program development activities. Remediation costs, if required, will be identified as a result of the activities.*

(1) An unmarked 55-gallon barrel was observed on the south side of the Penney's structure. Although the structures located on the Penney's parcel are not considered part of EMG's Project assessment, this barrel requires removal and proper disposal to prevent possible impact to the subsurface.

(2) Develop and implement an Operations and Maintenance (O&M) Program for asbestos-containing materials.

(3) Several USTs were identified for the Laguna Hills Mall. File reviews are recommended at agencies that maintain file information regarding USTs, as well as hazardous materials and waste handling for all addresses associated with the Laguna Hills Mall.

(4) Several LUST sites were identified in the area of the Project, and ground water monitoring wells were observed throughout the Laguna Hills Mall. File reviews are recommended at the California Regional Water Quality Control Board (RWQCB) for sites that may impact the Project.

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1. Certification

EMG has completed a Phase I Environmental Site Assessment of the Laguna Hills Mall (the "Project"), located at 24155 Laguna Hills Mall, 24032 El Toro Road, 24001 Avenida De La Carlotta, and 23521-23541 Calle De La Louisa, Laguna Hills, California 92653 on August 11 and 12, 1997. The assessment was performed at the Client's request utilizing methods and procedures consistent with good commercial or customary practice designed to conform with acceptable industry standards. This report is exclusively for the use and benefit of the Client identified on the first page of this report and is not for the use or benefit of, nor may it be relied upon by, any other person or entity without the advance written consent of EMG. The independent conclusions represent EMG's best professional judgment based on information and data available to us during the course of this assignment. Factual information regarding operations, conditions, and test data provided by the Client, owner, or their representative have been assumed to be correct and complete. Additionally, the conclusions presented are based on the conditions that existed and the information available at the time of the assessment.

Researched by: G. Rob Loomer, REA, Project Manager

Surveyed by: G. Rob Loomer, REA, Project Manager

Written by: G. Rob Loomer, REA, Project Manager

Reviewed by:

REGISTERED ENVIRONMENTAL ASSESSOR CLASS I
JOHN A. STEVENS
No. 06640
Expires: 7/98
STATE OF CALIFORNIA

John A. Stevens, REA
Program Supervisor

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2. Summary

EMG performed a Phase I Environmental Site Assessment, which included an on-site observation of the accessible areas of the Project, on August 11 and 12, 1997. The Project is located at 24155 Laguna Hills Mall, 24032 El Toro Road, 24001 Avenida De La Carlotta, and 23521-23541 Calle De La Louisa, in Laguna Hills, California 92653, and consists of approximately 43.2 acres of land.

The Project, originally built in the 1960s and early 1970s, is currently utilized as a shopping mall facility. Current facility operations include retail sales, food service, photo developing, a cinema, auto repair (in the Firestone building), optometrists, and eye glass lens grinding. Historically, the Project was undeveloped farmland. Operations in the general vicinity of the Project include commercial land use.

The following summarizes the independent conclusions representing EMG's best professional judgment based on information and data available to us during the course of this assignment. Factual information regarding operations, conditions, and test data provided by the Client, owner, or their representative have been assumed to be correct and complete. Additionally, the conclusions presented are based on the conditions that existed at the time of the assessment.

2.1. Findings/Conclusions

Historical Data

- The review of the historical data available for the Project identified the following recognized environmental condition (Section 7):
  - A dry cleaners formerly occupied a tenant space within building #3 from 1989 to 1996. In general, dry cleaning operations are suspect due to the use of hazardous materials and the generation of hazardous waste. Because of dry cleaning operations, there is a potential for subsurface contamination.

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Operational Activities

- EMG observed no recognized environmental conditions associated with the activities at the Project (Section 6.1). Although auto repair operations are performed within building #6 (Firestone), on-site inspections revealed good housekeeping practices. In addition, this building was not considered part of EMG's Project assessment. No further action or investigation is recommended regarding operational activities at the Project.

Hazardous Materials/Petroleum Products

- The Project is involved in the use of possible hazardous materials in the form of contents within an unmarked 55-gallon barrel (Section 6.2). This barrel requires removal and proper disposal from a secured area located to the south of the Penney's structure.
- The Project is involved in the use of hazardous materials and petroleum products in the form of routine janitorial and maintenance supplies, diesel fuel, gasoline, photo developing fluids, and cutting and lubricating fluids (Section 6.2). The materials observed do not appear to pose a hazard to the Project, provided they continue to be used as designed, are properly handled, and all regulations regarding their use are followed. No further action or investigation is recommended regarding the use of these hazardous materials or petroleum products.

Wastes

- The Project is involved in the generation of regulated wastes in the form of photo developing wastes and waste cutting and lubricating fluids (Section 6.3). Generated wastes appear to be disposed of properly. No further action or investigation is recommended regarding regulated waste generation at the Project.
- The Project is not involved in the generation, treatment, storage, or disposal of hazardous or medical wastes (Section 6.3). In addition, the non-hazardous solid and liquid wastes generated at the Project appear to be disposed of properly. No further action or investigation is recommended regarding waste generation, treatment, storage, and disposal at the Project.

Polychlorinated Biphenyls (PCBs)

- EMG identified six utility-owned transformers at the Project which are classified as "Non-PCB" (Section 6.4). No further action or investigation is recommended regarding the transformers at the Project.

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- The Project contains four elevators that use hydraulic fluid potentially containing PCBs (Section 6.4). Hydraulic elevator units at the Project should be periodically inspected for leakage and, if a leaking unit is identified, it should be repaired and any fluid or fluid-soaked waste disposed of in accordance with applicable federal, state, and local regulations. No indication of leakage was observed in the area of elevator operating equipment. No further action or investigation is recommended regarding this equipment.

- The Project contains nine compactors that use hydraulic fluid potentially containing PCBs (Section 6.4). The hydraulic system should be inspected when made accessible during repairs or demolition and any hydraulic fluid should be disposed of in accordance with applicable federal, state, and local regulations. No indication of leakage was observed in the area of this equipment. No further action or investigation is recommended regarding this equipment.

Asbestos-Containing Materials (ACM)

- The identified asbestos-containing floor tiles are in good condition and can be maintained in place if an Operations and Maintenance (O&M) Program is developed and implemented (Section 6.5). This material, as well as transite wall board and sprayed-on ceiling material were identified as ACM in a survey of the Laguna Hills Mall in 1989. The transite wall board and sprayed-on ceiling material were not observed during EMG's inspection and appear to have been removed. A properly designed O&M Program is sufficient to maintain the Project in accordance with current regulatory standards and sound business practice. ACM maintained with an O&M Program can remain in place, provided the ACM remain intact and undisturbed.

- Suspect ACM in the form of roofing materials, wallboard, and stucco were not sampled as part of the assessment (Section 6.5). These materials are in good condition and should be sampled prior to repair, renovation, or demolition activities.

Storage Tanks/Pipelines

- No evidence of pipelines (above or below ground) was identified (Section 6.6). No further action or investigation is recommended with regard to pipelines at the Project.

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- An aboveground storage tank is located within the Firestone structure on the Penney's parcel at the Project (Section 6.6). Review of available information indicates that the 150-gallon AST is utilized for storage of waste oil generated in the auto repair operations within the Firestone building (building #6). There was no visual indication of releases from the AST. According to Firestone Assistant District Manager Mr. Mel Perrin, the AST was installed in 1993 upon removal of former waste oil UST. No documentation of the removal of the former waste oil UST was provided.

- The Project may contain underground storage tanks not revealed through on-site inspection (Section 6.6). EMG has submitted written requests to review file information at the Orange County Health Care Agency as well as the Orange County Fire Authority to determine if USTs are located on the Project. Information gained from a file review will ammend this report.

Surface Areas

- The assessment revealed the following surface area issues (Section 6.7):
  - Several ground water monitoring wells were observed throughout the Laguna Hills Mall. According to the General Manager of the Project, Mr. Jonathan Albert, these monitoring wells are associated with off-site LUST facilities to determine the plume of contaminants. EMG recommends the review of files kept by the California Regional Water Quality Control Board (RWQCB) to confirm/deny contamination of the ground water beneath the Project, and to determine the origination of contamination.

- Visual observation of the storm water system did not identify any abnormal accumulation of petroleum run-off or foreign material (Section 6.7). No unusual blockages of the storm water control system were observed. No unusual ponding of storm waters was observed on the parking, roof, or surface areas. No further action or investigation is recommended regarding storm water systems at the Project.

Regulatory Review

- The review of the regulatory agency data available for the Project indicates that the Project is listed on the UST and RCRIS-Generator databases as a site with UST(s) and as a generator of regulated wastes (Section 7). EMG has submitted written requests to agencies that maintain files regarding USTs, as well as hazardous materials and hazardous wastes. Information gained from a file review will ammend this report.

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- The review of the data available concerning operations at properties identified within the radius areas researched indicated that many LUST facilities in the area of the Project and have the potential to adversely impact the Project (Section 7). EMG recommends the review of files kept by the RWQCB to determine the extent of contamination plumes in the area of the Project. Information gained from a file review will ammend this report.

Adjacent Properties

- As indicated in the Regulatory Review discussion above, the abutting and proximal sites were identified on the LUST database (Section 8). More information regarding these facilities is included in the Regulatory Review discussion above.

2.2. Recommendations

The following additional actions are recommended:

- Removal and proper disposal of the unmarked 55-gallon barrel identified in a secured area to the south of the Penney's structure.

  Associated cost estimate..... $500

- The development and implementation of an Asbestos Operations and Maintenance (O&M) Program. Costs indicated are for O&M Program Document development only. Comprehensive survey costs, if required, will be identified as a result of O&M Program implementation.

  Associated cost estimate..... $450

- The review of file information at the OCHCA and OCFA to determine the regulatory status of USTs that may have been located on the Project. In addition, to determine if historical use and handling of hazardous materials and wastes at the Project may have impacted the subsurface of the Project.

  Associated cost estimate.....$1,250

- The review of file information at the RWQCB to determine impact to the Project from nearby LUST sites.

  Associated cost estimate.....$1,250

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3. Survey Approach/Purpose

EMG conducted an on-site Environmental Site Assessment of the Project which consisted of a walk-through observation of the accessible areas and interviews with facility personnel and local agency representatives. On-site activities and/or interviews were conducted by Mr. G. Rob Loomer, EMG Project Manager, with:

- Mr. David Linn, Operations Manager and on-site Point of Contact
- Mr. Jonathan Albert, General Manager of the Laguna Hills Mall
- Mr. Ed Wellens, Director of Maintenance
- Mr. Mel Perrin, Firestone Assistant District Manager
- Ms. Kitty Anderson, Office Manager of Laguna Hills Mall Optometric Center
- Ms. Heather Purtle, Store Manager of KITS Cameras 1 Hour Photo
- Ms. Alicia Berry, Office Manager of Eye Exam 2000
- Mr. Mark Pacheco, Manager of Lens Crafters

Areas accessed included all tenant units in the main mall building (building #1); the former First Interstate Bank (building #2); the liquor store and former Circuit City (building #3); the Firestone building (building #6); the restaurant under construction (building #5); the restaurant (building #4); the roof of building #1; the elevator service rooms; the maintenance and janitorial storage areas; all common areas; all exterior areas; and the Project boundaries. Specific areas to which access was limited by tenant request, unavailability of keys, or by site conditions include the following:

- The vacant and storage units in building #4 (unavailability of keys)
- The stock areas behind each tenant space within building #1 (unavailability of keys)

According to Mr. Ed Wellens, the areas not inspected were similar in construction and conditions to the areas inspected. Mr. Wellens also stated that he is unaware of any practices in the unaccessed areas (such as the improper handling of hazardous materials or the generation of hazardous, medical, or regulated wastes) which would constitute a material threat or release to the environment, or a hazard to human health. Based on a review of tenant activities and interviews with knowledgeable personnel, it is unlikely that the operations in these unaccessed areas have had an adverse impact on the environmental integrity of the Project.

Weather conditions at the time of the Project assessment were clear, with temperatures in the high 70s (°F) and light winds.

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EMG reviewed available federal, state, and local records in an effort to identify sites of known or suspected hazardous waste activity located at or near the Project which could have an adverse impact on the Project. In an attempt to determine whether historical uses of the Project and surrounding area have had an environmental impact on the Project, EMG interviewed individuals knowledgeable about the Project and reviewed available pertinent records and documents. This assessment is based on the evaluation of the information gathered, laboratory analysis of samples collected (when required), and accessibility at the time of the assessment.

The purpose of this report is to provide the Client an assessment concerning environmental conditions (limited to those issues identified in the report) as they existed at the Project. The assessment was conducted utilizing generally accepted Phase I industry standards in accordance with ASTM Standard E 1527-97. The scope of work included an evaluation of:

- The Project history in an attempt to identify any possible ownership(s) and/or uses that would suggest an impact to the environmental integrity of the Project as identified through review of reasonably ascertainable standard historical sources.
- Physical characteristics of the Project as identified through review of reasonably ascertainable topographic, wetlands, flood plain, soils, geology, and ground water data.
- Current Project conditions (as applicable), including compliance with appropriate regulations as they pertain to the presence or absence of:
  - Facility storage tanks, drums, containers (above or below ground), etc.
  - Transformers and other electrical equipment which utilize fluid which may potentially contain PCBs
  - The use of hazardous materials/chemicals and petroleum products, and/or the generation, treatment, storage, or disposal of hazardous, regulated, or medical wastes
- A screening approach for the potential existence of:
  - Asbestos, including the identification of all suspect materials in accessible areas (interior and exterior) and the collection and analysis of three bulk samples from each homogeneous area of <u>friable</u> and/or <u>damaged</u> suspect ACM. The remaining materials are considered suspect until tested and proven otherwise. Friable materials are those which can be easily crumbled or pulverized by hand pressure. This screening approach is not a comprehensive (i.e., AHERA-Style) asbestos survey, but is intended to identify the potential for an asbestos hazard in accessible areas.

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The basis for "suspect" determination is taken from the materials listed in Appendix G of the EPA publication *Managing Asbestos in Place* (the "Green Book"). Therefore, all materials listed in the Green Book which were installed prior to 1989 are considered suspect, with the exception of resilient floor tile, asbestos-cement board (transite), and roofing felt, which are considered suspect regardless of installation date (these materials continue to be manufactured and installed in the United States).

- An evaluation of information contained in programs such as the NPL, CERCLIS, RCRIS, SWF, LUST, SHWS, and other governmental information systems within specific search distances of the Project. This evaluation was performed to identify any sites that would have the potential to impact the environmental integrity of the Project.

  The regulatory agency report provided is based on an evaluation of the data collected and compiled by a contracted data research company. The report is based on a radius search which focuses on both the Project and neighboring sites which may impact the Project. Neighboring sites listed in governmental environmental records are identified within a specific search distance. The search distance varies depending upon the particular government record being checked. The search is designed to meet the requirements of ASTM Standard E 1527-97. The information provided is assumed to be correct and complete.

- Visual observation of the adjacent properties to identify high-risk neighbors and the potential for contamination, if present or suspected, to migrate onto the Project.

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4. Project Location/Description

The Project is located at 24155 Laguna Hills Mall, 24032 El Toro Road, 24001 Avenida De La Carlotta, and 23521-23541 Calle De La Louisa in Laguna Hills, Orange County, California 92653.

4.1. Project Description

The Project lands consists of approximately 43.2 acres.

The Project was constructed in the 1960s, early 1970s, 1996, and 1997 in six phases. Project improvements consist of five structures, landscaping, and surface-level asphalt paved parking/drive areas. The Project is currently utilized as a shopping mall facility and consists of multiple units.

The Project is serviced by public water and sanitary sewer systems. The Project is supplied with water from the El Toro Water District (ETWD). According to ETWD representative Mr. Mike King, the utility meets the requirements as established by the USEPA, state, county, and local authorities for water quality. Hot water is generated by electrically-powered water heaters.

HVAC systems observed consisted of the following:

- Heat and air-conditioning is supplied to the Project from electrically-operated, roof-mounted units. Conditioned air is distributed via thermostatically controlled, ducted supply and return systems. Where observed, duct work associated with the HVAC system was uninsulated.

4.2. Miscellaneous Systems

- Tenant equipment — Photodeveloping equipment was observed within a tenant space at the Project (Sections 6.2 and 6.3)
- Emergency generator — Three emergency power generators were observed on the Project (Section 6.2)
- Elevator — Four hydraulic elevators are located on the Project (Section 6.2)
- Trash compactor — Nine hydraulic trash and cardboard compactors were observed on the Project (Section 6.2)

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4.3. Environmental Setting

4.3.1. Topography

Review of Project topography on the San Juan Capistrano Topographic Quadrangle, published by the U.S. Geological Survey (USGS) and dated 1968 (photorevised in 1981), indicated the following:

- The Project has an average elevation of approximately 360 feet above mean sea level.
- Elevations do not vary significantly across the Project lands. Slope in the general area of the Project is to the southwest.
- The Project is shown to be improved with five outlined structures.
- The slope of the property is estimated between approximately zero to two percent in a southwesterly direction. The nearest surface water feature is located approximately 2,000 feet southeast of the Project.

A copy of the topographic map is appended (Section 9).

National Wetlands Inventory (NWI) Maps, published by the U.S. Fish and Wildlife Service, were not identified for the Project area. However, visual observations and contact with the City of Laguna Hills Engineering Department, indicated the following:

- No wetland areas are indicated at the Project or adjacent properties.

Review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency (FEMA) and dated 1989, indicated the following:

- The Project is located in Zone X, defined as the 500-year flood plain.

A copy of the flood plain map was not available.

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4.3.2. Soils/Geology

Review of the Soil Survey of Orange County, California published by the U.S. Department of Agriculture Natural Resources Conservation Service (USDA NRCS) and dated 1978, indicated the following:

- The Project is located in an area comprised of one soil type known as Sorrento loam with estimated slopes between zero and two percent.
- The Sorrento soil series is considered to be a well drained, loamy textured soil with a depth to approximately 72 inches.
- General soil characteristics of the Sorrento soil include moderately permeability with a neutral soil reaction.

Review of the Geologic Map of California, published by the California Geological Survey and dated 1979, indicated the following:

- The Project is located within the Peninsular Ranges physiographic province of California which consists of Quaternary Alluvium materials.

4.3.3. Ground Water Hydrology

Review of the Water Resources Data Report for Orange County, published by the Orange County Water District and dated 1995, indicated the following:

- The Project is located within a deep ground water basin formation with estimated ground water levels from 200 to 300 feet below ground surface.
- Shallow ground water flow is expected to follow the ground level slope of surface elevations towards the Pacific Ocean, and to be at a depth of ten to 15 feet. The direction of this flow at the Project is anticipated to be toward the southwest.
- Estimated ground water levels may vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures, or dewatering operations.

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5. Historical/Records Review

Review of information available from the Orange County Tax Assessment Office indicated that the Project is shown on Tax Map 621, Block 051 as Parcels 25, 31, 32, and 33, as well as Tax Map 621, Block 141 as Parcels 48, 49, 54, 55, 57, and 58.

5.1. Chain of Title

The review of deed information included numerous transactions and ownership's of the land comprised in the Project. Review of the available deed records indicates that the Project has been owned by Shopping Center Associates since 1989. Due to a lack of previous deed references and incomplete property descriptions, EMG was unable to trace the Project's chain of title prior to 1975.

Review of available deed records did not identify any previous environmentally suspect ownership, easements, right of ways, or other environmental entries/restrictions associated with the Project.

Deeds and titles reviewed are listed in the table below.

Owner	Year Purchased
Shopping Center Associates	1989
Pan American Properties	1982
Continental Illinois Properties	1976
Rossmoor Corporation	Prior to 1975

5.2. Prior Use Interviews

Contact with Mr. David Linn, Operations Manager and on-site Point of Contact, identified that the Project was developed in the early 1970s into the current use. Mr. Linn was unaware of any uses of the Project prior to the current use. Mr. Linn indicated that he has been associated with the Project since 1995.

Contact with Mr. Ed Wellens, Director of Maintenance, identified that the Project was developed in the early 1970s into the current use. Mr. Wellens was unaware of any uses of the Project prior to the current use. Mr. Wellens indicated that he has been associated with the Project since 1990.

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5.3. Local Government Agency Record Review

EMG contacted the Engineering Department of Laguna Hills for the Project addresses. Records dating back to 1991 are maintained by this department. This review indicated the following environmentally significant information:

- No wetlands are located in the area of the Project.

EMG attempted to review file information at the Orange County Fire Authority's (OCFA) Office for the Project addresses. This department has UST and Hazardous Materials file information for sites within Orange County dating back to 1986. According to OCFA representative Mr. Pat Hall, these records are not reasonably ascertainable. A file review must be requested and scheduled with the Department. EMG has submitted a request to review file information for the Project, as well as the remainder of the Laguna Hills Mall, to the Orange County Fire Authority's office. A review of this file information is pending.

EMG attempted to review file information at the Orange County Health Care Agency's (OCHCA) Office for the Project addresses. Records dating back to 1985 are maintained by this department. This department has file information relating to the use and handling of hazardous materials. According to OCHCA representative Ms. Germaine Bedard, these records are not reasonably ascertainable. A file review must be requested and scheduled with the Department. EMG has submitted a request to review file information for the Project, as well as the remainder of the Laguna Hills Mall, to the OCHCA office. A review of this file information is pending.

EMG attempted to review file information at the California Regional Water Quality Review Board (RWQCB), Region #8, but according to RWQCB representative Ms. Margie Quiroz, no file information existed with this agency for the Project addresses.

EMG attempted to review file information at the El Toro Water District (ETWD) for the Project addresses. Industrial Wastewater Permits (IWP) are maintained by this agency for sites within Laguna Hills. According to ETWD representative, Mr. Ralph Palmores, these records are not reasonably ascertainable. EMG submitted a request to review file information for the Project at the ETWD office. However, Mr. Palmores promptly called back and indicated that the three grease traps on the Project are permitted and that no violations were noted within the files.

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EMG reviewed available building permits for the Project at the City of Laguna Hills Building Department. Records dating back to 1991 are maintained by this department. According to City of Laguna Hills Building Department representative, Mr. Dave Tibbs, records prior to 1991 were to have been transferred from the Orange County Building Department upon the incorporation of the City of Laguna Hills. No permits were identified for the original development of the Project. General building permits for the Project were on file, but did not reveal any information or condition which could impact the environmental integrity of the Project. No permits for previous uses were found in the file for the Project addresses. This review identified the following environmentally significant information:

- **1993** - Major renovation of the main mall structure, including the addition of the second story food court in the main mall structure
- **1996** - A demolition permit to remove the restaurant structure at 24001 Avenda De La Carlotta
- **1997** - Building permits for the construction of the existing restaurant structure at 24001 Avenda De La Carlotta and the connected restaurant, currently under construction, at the same address

Review of the available zoning records from the Laguna Hills City Department of Zoning/Planning indicates that the Project is currently zoned Village Commercial (VC). The Project has maintained the VC zoning designation since at least 1991. According to the records, no additional zoning changes were listed for the Project. Available zoning records do not indicate the potential presence of past manufacturing, military, or industrial usage in conjunction with the Project lands.

5.4. Historical Maps and City Directories

EMG attempted to review historical maps of the Project and adjacent properties at the Orange County Assessor's Office. No historical maps were identified for the area of the Project. As a general rule, the absence of historical maps for a given area tends to support evidence that the area was not significantly developed.

EMG reviewed historical Project topography on the San Juan Capistrano Topographic Quadrangle, published by the U.S. Geological Survey (USGS). Review of this map indicated the following:

- **1948** — The Project is shown as unimproved land. The areas north, south, east, and west of the Project are shown as unimproved land.

A copy of the historical map is appended (Section 9).

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Historical city directories were reviewed for the Project at the Sherman Library. City directories have tenant listings by address. This review revealed the following information:

- **1955 and 1962** — No listings for the Project addresses.
- **1974** — 24150-24300 Laguna Hills Mall - Various tenants at the Laguna Hills Mall. No environmentally significant tenants were noted.
- **1983** — 24099-24300 Laguna Hills Mall - Various tenants at the Laguna Hills Mall, including Broadway Tire & Service at 24099 Laguna Hills Mall
- **1990** — 24099-24300 Laguna Hills Mall - Various tenants at the Laguna Hills Mall, including Broadway Goodyear Service Center at 24099 Laguna Hills Mall, Time-O-Max One Hour Photo at 24199 Laguna Hills Mall, and Nancy Griffin, O.D. at 24200 Laguna Hills Mall

No older Historical City Directories were identified.

The main structure (building #1) of the Project was formerly assigned the address range of 24099-24300 Laguna Hills Mall. This structure is currently assigned the address of 24155 Laguna Hills Mall, with individual tenant spaces assigned suite numbers.

5.5. Aerial Photography

Review of the 1938 aerial photograph, available from Rupp Aerial Photography, indicated the following:

- The Project is unimproved with areas of ground cover and appears to be utilized for farmland.
- Vehicular access is available from the northwest, a two lane paved road, where the current El Toro Road is located, as well as a dirt road that traverses the western portion of the Project. Interstate 5, then called Highway 101, appears to be a two lane paved road to the northeast of the Project.
- The areas north, south, east, and west of the Project are shown as undeveloped farmland.

The 1958 aerial photograph, available from Rupp Aerial Photography, does not differ significantly from the 1938 aerial photograph.

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The 1965 aerial photograph, available from Rupp Aerial Photography, differs from the 1958 aerial photograph in that:

- The Project is improved with one structure, surface-level parking, and minimal vegetation in the western corner of the Project. The structure appears to be the currently existing vacant bank structure (building #2). The remainder of the Project is unimproved and appears to be freshly graded land.
- Vehicular access is available from roads similar to those that are currently existing.
- The areas north, south, and east of the Project are shown as unimproved, freshly graded land. The area west of the Project is shown as the currently existing Union 76 service station and bank.

The 1971 aerial photograph, available from Rupp Aerial Photography, differs from the 1965 aerial photograph in that:

- The Project is improved with two additional structures and surface-level parking. The structures appear to be the currently existing building #3, and the original building where buildings #4 and #5 are currently located. The remainder of the Project is unimproved and appears to be graded land.
- The area south of the Project is shown as what appears to be a construction yard with scattered heavy equipment.

The 1985 aerial photograph, available from Rupp Aerial Photography, differs from the 1971 aerial photograph in that:

- The entire Laguna Hills Mall appears similar to the currently existing mall, with all the buildings, surface-level parking, and minimal scattered vegetation.
- The area north of the Project is shown as the currently existing Lodge and service stations. The area south of the Project is shown as the currently existing nursing facility and shopping center. The area west of the Project is shown as the currently existing medical facilities and banks. The area east of the Project is shown as the currently existing strip retail center and Interstate.

The 1992 aerial photograph, available from Rupp Aerial Photography, does not differ significantly from the 1985 aerial photograph.

Copies of the aerial photographs were not available.

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5.6. Previous Investigations/Assessments

EMG was provided with a copy of a previously conducted Asbestos Survey report for the Project, conducted by Certified Engineering and Testing Company and dated September 29, 1989. Pertinent information concerning suspect regulated substances or site activities identified in that report is as follows:

- Asbestos-containing material in the form of nine inch and twelve inch floor tiles, transite wallboard, and textured sprayed-on ceiling material were identified on the Project. Certified Engineering and Testing Company recommended an Operations and Maintenance (O&M) Program to maintain this material. EMG's discussion of this environmental condition is contained in Section 6.5.

5.7. Plans and Specifications

As-built/renovation-site plans, drawings, and specifications were not available for review.

5.8. Historical Summary

Based upon interviews and a review of chain of title information, city agency records, zoning records, historical maps, city directories, and aerial photographs; the Project was undeveloped (researched back to 1938) prior to the development of the current Project improvements beginning in the 1960s.

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6. Project Reconnaissance

6.1. Operational Activities/Noteworthy Tenants

The Project is currently utilized as a retail shopping mall and is occupied by the noteworthy tenants listed in the Project Tenants Table below. A complete tenant list is appended in Section 9.0.

Project Tenants	
Name of Tenant	**Description of Operations**
Building #1 (24155 Laguna Hills Mall)	
Kits Cameras One Hour Photo (Suite 1615)	Retail sales and photo developing
Laguna Hills Optometric Center (Suite 1640)	Eye exams and sales of eye glasses
Eye Exam 2000 (Suite 1090)	Eye exams
Lens Crafters (Suite 1090)	Grinding of eye glass lens
Ruby's Diner (Suite 1636)	Food Service
Restaurants on the Food Court (Suites 2300-2380)	Food Service
Building #2 (24032 El Toro Road)	
Former First Interstate Bank	Currently vacant
Building #3 (23521-23551 Calle De La Louisa)	
Liquor Store (only current occupant of building)	Retail sales
Former Circuit City	Currently vacant
Vacant units used for storage by tenants of the Mall	Storage
Building #4 (24001A Avenida De La Carlotta)	
Newly constructed restaurant	Food Service
Building #5 (24001B Avenida De La Carlotta)	
Restaurant under construction	Unoccupied

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Based on the operations assessed at the Project, the following environmental permits are required for the Project:

- Industrial Waste Permits are required for the operation and use of underground grease traps. Ruby's Diner has one grease trap and the Food Court has two grease traps. According to El Toro Water District representative, Mr. Ralph Palmores, the three grease traps on the Project are permitted and that no violations were noted within the files.

6.2. Hazardous Materials/Petroleum Products Storage and Handling

Visual observation for the use and/or storage of hazardous materials and petroleum products was performed. The Project or tenants store and/or use the products listed in the Observed Materials Table below:

Observed Materials			
Type of Material	**Quantity**	**Storage Location**	**Use**
Routine janitorial and maintenance supplies	Retail size containers	Maintenance and janitorial storage areas	Project maintenance and upkeep
Gasoline	Approximately ten gallons	Internal to the emergency power generator	Emergency power generation
Gasoline	Approximately ten gallons	Fireproof cabinet in the maintenance shop.	Emergency power generator
Diesel fuel	Approximately twenty gallons	Internal to the two emergency power generators	Emergency power generation
Diesel fuel	Approximately ten gallons	Fireproof cabinet in the maintenance shop.	Emergency power generator
Photo developing fluids	Approximately ten gallons	Plastic containers within Kits Cameras	Photo developing
Cutting and lubricating fluids	Approximately twenty gallons	Metal containers within the Lens Crafters tenant space	Lens grinding

The identified chemicals, materials, and products were observed in their original containers.

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Minor staining was observed on the concrete floor in the area of the gasoline-powered emergency power generator. Floor drains or other subsurface entry points were not located in the area of staining. In addition, the concrete floor appeared intact and no cracks were observed in the areas of waste generation or pre-disposal storage. The staining appeared to be a result of normal maintenance activities performed at the Project. This staining appeared surficial in nature and is not anticipated to have a negative impact on the environmental integrity of the Project.

No evidence of spills or staining were observed in the remaining areas of material/product storage/usage. In addition, the concrete floors appeared intact and no cracks were observed in the areas of material storage/usage.

An unmarked 55-gallon barrel was observed on the Penney's parcel of the Laguna Hills Mall. This barrel requires removal and proper disposal from a secured area located to the south of the Penney's structure. See the appended Field Sketch for the location of this unmarked barrel

6.3. Waste Generation, Treatment, Storage, and Disposal

Visual observation for the generation, treatment, storage, and disposal of wastes was performed. The Project or tenants generate the wastes listed in the Waste Generation table below.

Waste Generation			
Type of Waste	**Generation Process**	**Pre-Disposal Storage**	**Disposal Method**
■ **Regulated**			
Photo developing wastes, including silver	Development of photographic film	Two silver recovery units within the Kits Cameras tenant space	Licensed waste hauler
Cutting and lubricating fluid waste	Grinding of eye glass lens	55--gallon barrel within the Lens Crafters tenant space	Licensed waste hauler
■ **Non-Hazardous Solid**			
Municipal trash	N/A	Dumpsters	Contracted waste hauler
■ **Non-Hazardous Liquid**			
Cooking grease	Food preparation	Three underground grease traps	Contracted waste hauler

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Waste Generation			
Type of Waste	Generation Process	Pre-Disposal Storage	Disposal Method
Sewage	N/A	N/A	Municipal sanitary system

No evidence of spills or staining was observed in the area of waste generation or pre-disposal storage. In addition, the concrete floors and asphalt surfaces appeared intact and no cracks were observed in the areas of waste generation/storage.

Review of regulated waste manifests and the facility waste management program indicated that the waste disposal operations appear to be performed in accordance with regulatory requirements.

No excessive odors, or overflowing or excessive ground trash was noted in the vicinity of the dumpsters. No hazardous, regulated, or medical wastes were noted in the dumpsters.

Prior to entry into the sanitary sewage, grease is removed in three traps located on the south side of building #1. According to the Project's Operations Manager Mr. David Linn, the grease traps are pumped out by Baker Commodities every four months.

According to Ms. Kitty Anderson of the Laguna Hills Mall Optometric Center, no hazardous wastes are generated within the tenant space occupied by the Optometric Center.

According to Ms. Alicia Berry of Eye Exam 2000, no hazardous wastes are generated within the tenant space occupied by Eye Exam 2000.

6.4. Polychlorinated Biphenyls (PCBs)

The Project is supplied with underground secondary electrical service from six pad-mounted exterior electrical transformers. The transformers are designated as the property of Southern California Edison (SCE), the public utility. Contact with a utility representative indicated that the units are classified as non-PCB units. The units should be periodically inspected for leakage. If leakage is visible, the Project owner/manager should contact the public utility, who will remediate the situation. Should the units have to be replaced, the utility is responsible, provided the cause is equipment failure, not customer misuse. No leakage of the transformers was observed at the time of the assessment.

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The Project is also supplied with underground secondary electrical service from two privately owned "dry type" transformers. Dry type transformer do no utilize oils for cooling purposes, therefore, they are not expected to contain PCBs.

Two hydraulic lift elevators are located in the mall structure at the Project. Because the building was constructed prior to a 1979 ban regarding the manufacturing of PCB-containing hydraulic fluid, EMG is of the opinion that the elevator hydraulic fluid potentially contains PCBs. Therefore, hydraulic units at the Project should be periodically inspected for leakage. If a leaking unit is identified, it should be repaired and any fluid or fluid-soaked waste disposed of in accordance with applicable federal, state, and local regulations. No indication of leakage was observed in the area of the elevator operating equipment.

Two additional hydraulic lift elevators are located in the Penney's section of the mall structure at the Project. Although the Penney's structure is not part of EMG's assessment, the land on which the building is located is considered part of EMG's assessment. Because the building was constructed prior to a 1979 ban regarding the manufacturing of PCB-containing hydraulic fluid, EMG is of the opinion that the elevator hydraulic fluid potentially contains PCBs. Therefore, hydraulic units at the Project should be periodically inspected for leakage. If a leaking unit is identified, it should be repaired and any fluid or fluid-soaked waste disposed of in accordance with applicable federal, state, and local regulations. No indication of leakage was observed in the area of the elevator operating equipment.

Nine compactors, five trash and four cardboard, are located in the mall structure at the Project. Because the building was constructed prior to a 1979 ban regarding the manufacturing of PCB-containing hydraulic fluid, EMG is of the opinion that the compactor hydraulic fluid potentially contains PCBs. No evidence of hydraulic fluid releases was observed during the assessment. No indication of leakage was observed in the area of the equipment. The hydraulic system should be inspected when made accessible during repairs or demolition and any hydraulic fluid should be disposed of in accordance with applicable federal, state, and local regulations.

No additional equipment with the potential to utilize dielectric or hydraulic fluid was observed during the site assessment.

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6.5. Asbestos-Containing Materials (ACM)

As-built plans, drawings, and specifications were not available for review.

Suspect ACM in the form of roofing material, interior wallboard, 12-inch floor tile, and exterior stucco were identified in buildings 1-3.

No suspect friable or damaged non-friable materials were observed, therefore, no samples were collected.

An asbestos survey of the mall structure was performed by Certified Engineering and Testing Company (Certified) on September 15 and 16, 1989. A report, dated September 29, 1989, was issued which identified asbestos-containing material in the form of 9-inch and 12-inch floor tiles, transite wall board, and sprayed-on ceiling material. The 9-inch floor tiles, transite wall board, and sprayed-on ceiling material were not observed during EMG's inspection and appear to have been removed. Certified recommended that an Operations and Maintenance (O&M) Program be instituted to manage the identified asbestos-containing material. EMG could not ascertain if an O&M Program was developed for the Project. A copy of the Certified report is appended (Section 9.0).

6.6. Facility Storage Tanks and Pipelines (above or below ground)

Visual observations for manways, vent pipes, fill connections, concrete pads, and saw cuts in paved areas did not identify any surface connections or disturbances which would indicate that the potential for an underground storage tank (UST) installation exists. However, it appeared that the UST formerly used to store waste oil generated at the Firestone facility may have been closed in-place. No documentation of the removal and closure of the UST was provided. EMG has submitted written requests to agencies that maintain files regarding USTs. The review of these files to determine if USTs may still be present on the Project will ammend this report..

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The Storage Tank Table below describes the aboveground storage tank (AST) that was identified.

Storage Tank Table								
Type (AST/ UST)	Location	Construction	Year Installed	Size (gallons)	Contents	Registered (Yes/No)	Leaker List (Yes/No)	Status (Active/ Inactive)
AST	Work shop within the Firestone building (bldg #6)	Metal	1993	150	Waste oil	N/R	N/A	Active

N/R = Tank is not required to be registered.
N/A = Not Applicable

Review of available information indicates that the AST is used to store waste oil generated from the auto repair operations at the Firestone facility. The AST appeared to be in good condition with no evidence of releases such as staining.

The manways and caps observed were for site services (i.e., domestic water, storm water, and sanitary sewer system).

Furthermore, review of currently installed mechanical equipment, identified the use of alternate fuel sources (i.e., electric, natural gas) thereby eliminating the need for on-site fuel storage for mechanical systems, other than the diesel fuel and gasoline powered generators. The review of the state list of registered USTs indicated that one tank is registered for the Project.

Interviews with persons knowledgeable of the Project did not identify any evidence of current or historic storage tanks (above or below ground) at the Project. However, EMG was provided with a copy of a memorandum, dated July 2, 1990, that identified two USTs on the Penney's parcel. One UST was identified as storage of waste oil for Firestone, while the other UST was identified for the storage of diesel fuel for the Penney's emergency power generator. See Section 7.0 for further information on these USTs. A copy of the memorandum is appended in Section 9.0.

Visual observations did not identify any surface markings indicating the existence of subsurface product pipelines.

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6.7. Surface Areas

General surface features of the Project consist of a flat parcel of land graded to provide some slope and swale to direct surface water away from the on-site buildings. Surface water flow is in a southwesterly direction. Visual observation of the Project and adjacent properties did not identify any evidence of distressed vegetation, staining, or surface migration of petroleum releases or hazardous materials onto or off of the Project.

No visible evidence of on-site surface impoundment facilities, pits, dry wells, or dumping of apparent hazardous substances was observed at the Project. Surface water features were not observed including no evidence of lagoons, ponds or other bodies of water at the Project.

A three-stage clarifier was observed to the west of the Firestone building (building #6). According to Firestone Assistant District Manager Mr. Mel Perrin, the clarifier receives runoff from the work area and is cleaned on a yearly basis.

Several ground water monitoring wells were observed throughout the Laguna Hills Mall. According to the General Manager of the Project, Mr. Jonathan Albert, these monitoring wells are associated with off-site LUST facilities to determine the plume of contaminants. No documentation of the contamination plume was provided to EMG. EMG recommends the review of ground water contamination files kept by the California Regional Water Quality Control Board (RWQCB) to confirm/deny contamination of the ground water beneath the Project, and to determine the origination of contamination.

Parking facilities consist of asphalt-paved surface areas. Minor oil discharges were observed on the parking area; however, the discharges are incidental in nature and corrective action is neither practical nor warranted.

Storm water from the roofs is directed to the surface via downspouts. Storm water from drive and parking surfaces is directed to grated storm drains via overland flow. Storm water from vegetated surface areas is directed to grated storm drains via overland flow.

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7. Regulatory Database Review

NPL, RCRA-TSD, RCRA-CA, SHWS, CERCLIS, NFRAP, SWF, LUST, UST, RCRIS-Generators, and ERNS listings were reviewed. By cross-referencing name, address, and zip code, we conclude that the Project is listed on the UST and RCRIS-Generator listings for a registered UST and the generation of regulated waste. The area search of the Project for sites listed in these databases identified various sites individually outlined in the Regulatory Agency Data Report Findings included in the Appendices, Section 9. Information concerning listed sites is included in each of the database sections that follow.

EMG also reviewed the unmappable sites in the database report, cross-referencing addresses and site names. Unmappable sites are environmental risk sites that cannot be plotted with confidence, but can be located by zip code or city name. In general, a site cannot be geocoded because of inaccurate or missing location information in the record provided by the agency. Any identified unmappable site is included in the corresponding database discussion that follows.

- **NPL Listing:** The National Priorities (Superfund) List is USEPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program.
  - No NPL sites were identified within 1.0 mile of the Project.
- **RCRA-TSD Facilities Listing:** The USEPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA-TSD database is a compilation by the USEPA of reporting facilities that transport, treat, store or dispose of hazardous waste.
  - No RCRA-TSD sites were identified within 0.5 mile of the Project.
- **RCRA-CA Facilities Listing:** The USEPA's Resource Conservation and Recovery Act (RCRA) Corrective Action-sites Listing contains information pertaining to hazardous waste treatment, storage, and disposal facilities (RCRA TSD) which have conducted, or are currently conducting, a corrective action(s) as regulated under RCRA.
  - No RCRA-CA sites were identified within 1.0 mile of the Project.

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- **SHWS (CALSITE) Listing:** The CALSITE list is a comprehensive listing of sites which were considered to be a possible threat to the public health and welfare by the California Department of Toxic Substances Control (CDTSC). The CALSITE list can include any business or property which may utilize hazardous chemicals. The list does not necessarily imply environmental impairment. After a preliminary endangerment assessment, sites are assigned one of the following statuses: "No Other Agency Lead", "Properties To Be Removed", "No Further Action", "Low Priority", "Medium Priority", or "High Priority". Contact with the CDTSC indicated that sites listed with a "Medium Priority" and "High Priority" status endangerment are the ASTM equivalent of a State Hazardous Waste Sites List. The "Other Agency Lead" status is a pointer to other sources which contain more detail. Based on listed status, the "Properties To Be Removed", "No Further Action", and "Low Priority" sites are not anticipated to have a negative impact on the environmental integrity of the Project.
  - No SHWS sites were identified within 1.0 mile of the Project.

- **CERCLIS Listing:** This database is a compilation of sites which the USEPA has investigated or is currently investigating for a release or threatened release of hazardous substances.
  - No CERCLIS sites were identified within 0.5 mile of the Project.

- **NFRAP Listing:** This database contains information regarding sites which have been removed from the USEPA CERCLIS database.
  - No NFRAP sites were identified within 0.5 mile of the Project.

- **SWF Listing:** This database is a comprehensive listing of all State Permitted Solid Waste Landfills.
  - No SWF sites were identified within 0.5 mile of the Project.

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- **Leaking Underground Storage Tanks (LUST)**
  - Sixteen LUST sites were identified within 0.5 mile of the Project.
    - **Unocal Service Station**
      24082 El Toro Road
      Distance: Abutting
      Direction: West

      The above site abuts the parcel occupied by building #2, has impacted the ground water with gasoline, and is listed with the status of "Remedial Action In Progress". Due to the proximity to the Project, the potential for the subsurface beneath the Project being impacted from this off-site facility exists. EMG has requested to review the RWQCB's files for this facility to confirm or deny that the subsurface beneath the Project has been impacted from this off-site facility. Information gained from a file review will ammend this report.

    - **American Savings Bank**
      24085 El Toro Road
      Distance: 300 feet
      Direction: Northwest

      The above site is located across El Toro Road from building #2, has impacted the ground water with an unreported substance, and is listed with the status of "Preliminary Site Assessment Workplan Submitted". If a workplan has been submitted, this indicates that the regulatory agency has designated a responsible party. In addition, there does not appear to be an immediate health risk to the occupants of the Project since the Project is serviced by public water and sewer systems. Furthermore, this site is located in an area where the anticipated ground water flow is away from the Project. Based on this information, this site does not appear to pose an environmental concern to the Project, and no further action or investigation is recommended.

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- **Wright Petroleum**
  23991 El Toro Road
  Distance: 200 feet
  Direction: North

  The above site is located across El Toro Road from building #4, has impacted the ground water with diesel fuel, and is listed with the status of "Remedial Action In Progress". If remedial action is underway, this indicates that the regulatory agency has designated a responsible party. In addition, there does not appear to be an immediate health risk to the occupants of the Project since the Project is serviced by public water and sewer systems. Furthermore, this site is located in an area where the anticipated ground water flow is parallel and away from the Project. However, due to the proximity to the Project, and the observation of many ground water monitoring wells between this facility and the Project, this site may have impacted the ground water beneath the Project. EMG has requested to review the RWQCB's files for this facility to confirm or deny that the subsurface beneath the Project has been impacted from this off-site facility. Information gained from a file review will ammend this report.

- **Carlotta Plaza Property**
  24012 Avenida De La Carlotta
  Distance: 150 feet
  Direction: Northeast

  The above site is located across Avenida De La Carlotta from buildings #4 and #5, and is listed with the status of "Preliminary Site Assessment Underway". The listed case type is "aquifer affected." The potential for the subsurface beneath the Project being impacted from this off-site facility exists. EMG has requested to review the RWQCB's files for this facility to confirm or deny that the subsurface beneath the Project has been impacted from this off-site facility. Information gained from a file review will ammend this report.

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- **Home Federal Savings and Loan**
  23941 Avenida De La Carlotta
  Distance: 500 feet
  Direction: Northeast

  The above site appears to be located across Interstate 5 from the Project, and is listed with the status of "Remedial Action In Progress". The listed case type is "aquifer affected." The potential for the subsurface beneath the Project being impacted from this off-site facility exists. EMG has requested to review the RWQCB's files for this facility to confirm or deny that the subsurface beneath the Project has been impacted from this off-site facility. Information gained from a file review will ammend this report.

- **Chevron Service Station #0141**
  23891 Bridger Road
  Distance: 500 feet
  Direction: Northeast

  The above site has three separate listings and is located across Interstate 5 from the Project. Two of the listings have the status of "Remedial Action In Progress", and the listed case type is "aquifer affected." One of these listings is for diesel fuel and the other is for gasoline. The potential for the subsurface beneath the Project being impacted from this off-site facility exists. EMG has requested to review the RWQCB's files for this facility to confirm or deny that the subsurface beneath the Project has been impacted from this off-site facility. The appointment to review the appropriate file is pending. The third listing of this facility has a case type of "Soil Only". The RWQCB has accepted recommendations from the Lawrence Livermore National Laboratory report that concludes that soil only LUST sites generally do not pose a threat to the environmental integrity of adjacent properties. The RWQCB grants case closure on soil only LUST sites based solely on the National Laboratory report findings. Based on distance from the Project, and case type, this listing of the facility is not anticipated to have an adverse impact on the environmental integrity of the Project.

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➤ **ARCO Service Station #3013**
23742 El Toro Road
Distance: 800 feet
Direction: Northeast

The above site appears to be located across Interstate 5 from the Project, and is listed with the status of "Pollution Characterization". The listed case type is "aquifer affected." The potential for the subsurface beneath the Project being impacted from this off-site facility exists. EMG has requested to review the RWQCB's files for this facility to confirm or deny that the subsurface beneath the Project has been impacted from this off-site facility. Information gained from a file review will ammend this report.

Three additional LUST sites are located greater than 1,000 feet from the Project and are listed with the case type of "Soil Only". The RWQCB has accepted recommendations from the Lawrence Livermore National Laboratory report that concludes that soil only LUST sites generally do not pose a threat to the environmental integrity of adjacent properties. The RWQCB grants case closure on soil only LUST sites based solely on the National Laboratory report findings. Based on distance from the Project and case type, these sites are not anticipated to have an adverse impact on the environmental integrity of the Project.

One additional LUST site is located greater than 1,000 feet from the Project and is listed with the status of "Case Closed." Based on distance from the Project and the listed status, this site is not anticipated to have an adverse impact on the environmental integrity of the Project.

The remaining three LUST sites located greater than 1,000 feet from the Project. All of these sites are in an area where the ground water flow is anticipated to be away from the Project. Based on distance from the Project, and the prevailing ground water flow direction away from the Project, these LUST facilities are not anticipated to have an adverse impact on the environmental integrity of the Project.

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- **Underground Storage Tanks (UST)**
  - Both the Project as well as the following adjoining and nearby properties were identified on the UST inventory:
    - **Firestone Store #27FF**
      24196 Laguna Hills Mall
      Distance: N/A (Project tenant)
      Direction: N/A

      The above site is locate on the Penney's parcel of the Project and is listed as having one active 500-gallon waste oil UST that was installed in 1975. According to Firestone Assistant District Manager Mr. Mel Perrin, the UST was removed in 1993, however no documentation could be provided. Visual observations on the southeast side of building #6 indicated that a UST may have been closed in place. EMG has submitted written requests to review file information at the Orange County Health Care Agency as well as the Orange County Fire Authority to determine the status of this listed UST. The review of this file information is pending.

    - **Broadway Tire Center #9377**
      24099 Laguna Hills Mall
      Distance: Abutting
      Direction: North

      The above site is part of the Laguna Hills Mall, however is not part of EMG's Project assessment. This facility is listed with one 100-gallon waste oil UST. According to Just Tires Store Manager Mr. Matt Piersoll, no USTs are located at his facility which occupies 24099 Laguna Hills Mall. EMG has submitted written requests to review file information at the Orange County Health Care Agency as well as the Orange County Fire Authority to determine the status of this listed UST. Information gained from a file review will ammend this report.

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- **Sears-Laguna Hills**
  24300 Laguna Hills Mall
  Distance: Abutting
  Direction: South

  The above site is part of the Laguna Hills Mall, however is not part of EMG's Project assessment. This facility is listed with one waste oil UST of unknown size that was installed in 1973. According to Sears Auto Center Manager Mr. Rich Baldwin, no USTs are located at his facility which occupies 24300 Laguna Hills Mall. EMG has submitted written requests to review file information at the Orange County Health Care Agency as well as the Orange County Fire Authority to determine the status of this listed UST. Information gained from a file review will ammend this report.

- **Unocal Service Station #5408**
  24082 El Toro Road
  Distance: Abutting
  Direction: West

  The above site was also identified on the LUST database and was discussed in the LUST section above.

Five of the remaining facilities listed in the UST section of the regulatory report were also identified on the LUST Listing and were previously discussed in the LUST findings above. The remaining facilities listed in the UST section of the regulatory report are not listed on any database, such as the LUST inventory, which reports releases, spills or other incidents. The UST inventory is merely a listing of all facilities that are required to register their USTs for tracking purposes and are not necessarily those with reported contamination incidents. Based on the absence of reported releases, these facilities are not anticipated to have an adverse impact on the environmental integrity of the Project.

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- **RCRIS-Generator Listing:** The USEPA's Resource Conservation and Recovery Information System identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRIS-Generators database is a compilation by the USEPA of reporting facilities that generate hazardous waste.

  - Both the Project and adjoining properties were identified on the RCRIS-Generator listing:

    - **Time O Max 1 Hour Photo**
      24199 Laguna Hills Mall
      Distance: N/A (Project tenant)
      Direction: N/A

      The above site is a tenant of building #1 at the Project, listed with the former address, and is listed as "no violations found". More information regarding the hazardous wastes generated at this tenant space is included in Section 6.3. This facility is not listed on any database which reports releases, spills or other incidents. The RCRIS-Generator listing is merely a listing of all facilities that, due to the amount of hazardous waste generated, are required to register with the USEPA for tracking purposes and are not necessarily those with reported contamination incidents. This facility is reported as being compliant with the requirements of the RCRA regulations. Based on current regulatory status and the absence of reported releases, this facility is not anticipated to have an adverse impact on the environmental integrity of the Project.

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- **Laguna Hills Cleaners**
  23521 Calle De La Louisa
  Distance: N/A (former Project tenant)
  Direction: N/A

  The above site is a former tenant of building #3, and is listed as "no violations found". According to General Manager of the Project Mr. Jonathan Albert, this dry cleaning facility was located within building #3 from prior to 1989 to approximately 1996. In general, dry cleaning operations are suspect due to the use of hazardous materials and the generation of hazardous waste. Because of dry cleaning operations, there is a potential for subsurface contamination. Concrete floors do not provide an adequate barrier against the migration of dry cleaning solvents to the subsurface. Regulations (e.g., the EPA Resource Conservation and Recovery Act) for the controlled transport, storage, and disposal of hazardous dry cleaning waste have been in place since 1986; therefore, the former tenant conducted hazardous waste operations during a time period where regulatory guidelines were in place. The former Project tenant was not identified on any databases that would indicate environmental impairment has occurred. Furthermore the Project is serviced by municipal water and sewer services. In most similar cases where impact has been confirmed, dry cleaning compounds are identified in the near surface soils and remediation is neither practical or required. Information gained during the assessment did not appear to warrent further investigation. However, only a subsurface investigation would confirm or deny any potential impact from the former dry cleaning operations.

- **Sears-Laguna Hills**
  24300 Laguna Hills Mall
  Distance: Abutting
  Direction: South

  The above site is part of the Laguna Hills Mall, however is not part of EMG's Project assessment. This facility is listed as "no violations found". EMG has submitted written requests to review file information at the Orange County Health Care Agency as well as the Orange County Fire Authority to determine the status of generated wastes at this facility. The review of this file information is pending.

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The remaining facilities listed in the RCRIS-Generator section of the regulatory report are not listed on any database which reports releases, spills or other incidents. The RCRIS-Generator listing is merely a listing of all facilities that, due to the amount of hazardous waste generated, are required to register with the USEPA for tracking purposes and are not necessarily those with reported contamination incidents. These facilities are all reported as being compliant with the requirements of the RCRA regulations. Based on current regulatory status and the absence of reported releases, these facilities are not anticipated to have an adverse impact on the environmental integrity of the Project.

- **Emergency Response Notification System (ERNS):** The ERNS is a national database used to collect information on reported releases of oil or hazardous substances.
  - The Project was not identified on the ERNS database.

    One of the two facilities listed in the ERNS section of the regulatory report is not listed on any database, such as the LUST or CERCLIS, which tracks known or suspected contaminated sites. Based on distance and regulatory status, this ERNS facility is not anticipated to have an adverse impact on the environmental integrity of the Project. The remaining facility listed in the ERNS section of the regulatory report is listed on the LUST database and is addressed in the LUST section above.

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8. Adjacent Properties

The general vicinity of the Project consists of commercial land use. The following identifies specific adjacent property tenants and/or use:

Northwest — A Union 76 service station abuts the Project to the northwest. In addition, El Toro Road abuts the Project to the northwest. Beyond this access road is a bank, a lodge, the new Circuit City, and a Chevron service station.

Northeast — Avenida De La Carlotta abuts the Project to the northeast. Beyond this access road is a small retail strip center and Interstate 5.

Southeast — Calle De La Louisa abuts the Project to the southeast. Beyond this access road are many medical facilities associated with the Saddleback Medical Center.

Southwest — The Sears parcel abuts the Project to the southeast. The Sears building, Sears Garden Center, and the Sears Auto Center are all located on this parcel. Although the Sears parcel is part of the Laguna Hills Mall, it is not considered part of EMG's Project assessment. Beyond the Sears parcel is a small retail shopping center and a skilled nursing facility.

It should also be noted that the Macy's (formerly Broadway) parcel is also located in the Laguna Hills Mall. However this parcel was not part of EMG's Project assessment. In addition, the buildings located on the Penney's parcel were not considered part of EMG's Project assessment.

The adjacent property use was identified on several databases (see Section 7.0 for further detail). EMG has submitted a written request to agencies that maintain files that may confirm/deny impact to the Project from these nearby properties. The file reviews are pending.

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9. Appendices

Appendix A — Photographic Documentation
Appendix B — Field Sketch
Appendix C — Maps and Aerial Photographs
Appendix D — Record of Communication/Interviews
Appendix E — Client Questionnaire
Appendix F — Laboratory Analytical Results
Appendix G — Regulatory Agency Data Report Findings
Appendix H — Supporting Documentation
Appendix I — Resumes

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Appendix A

Photographic Documentation

EMG PHOTOGRAPHIC RECORD

Project No.: 30322012.97B

Project Name: Laguna Hills Mall

Photo No.: 1

Description: Front of Project
— main entrance

Photo No.: 2

Description: Rear of Project
— back entrance

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EMG PHOTOGRAPHIC RECORD

Project No.: 30322012.97B

Project Name: Laguna Hills Mall

Photo No.: 3

Description: Left side of Project (oblique)

Photo No.: 4

Description: Right side of Project (oblique)

EMG PHOTOGRAPHIC RECORD

Project No.: 30322012.97B

Project Name: Laguna Hills Mall

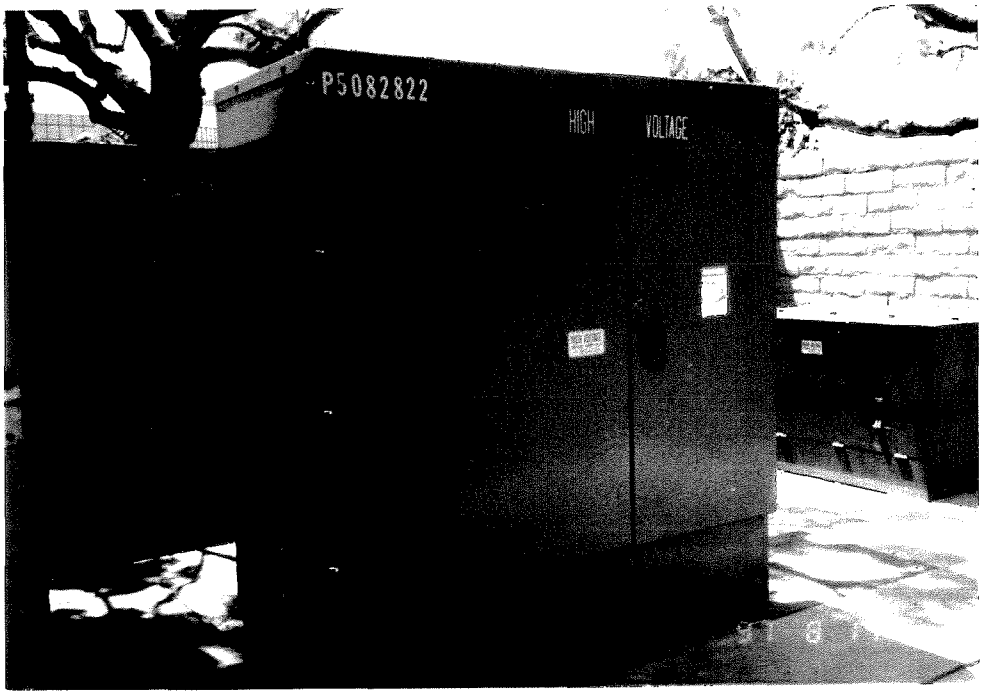

Photo No.: 5

Description: Transformer installation

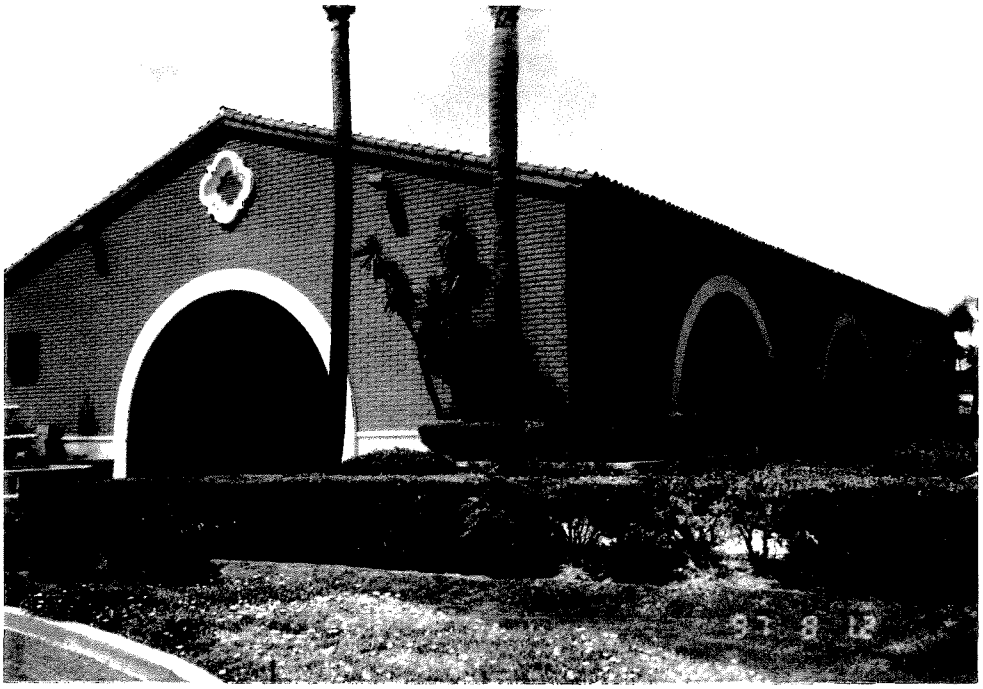

Photo No.: 6

Description: General landscaping around building #2

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EMG PHOTOGRAPHIC RECORD

Project No.: 30322012.97B

Project Name: Laguna Hills Mall

Photo No.: 7

Description: Adjacent property north — Just Tires and Macy's

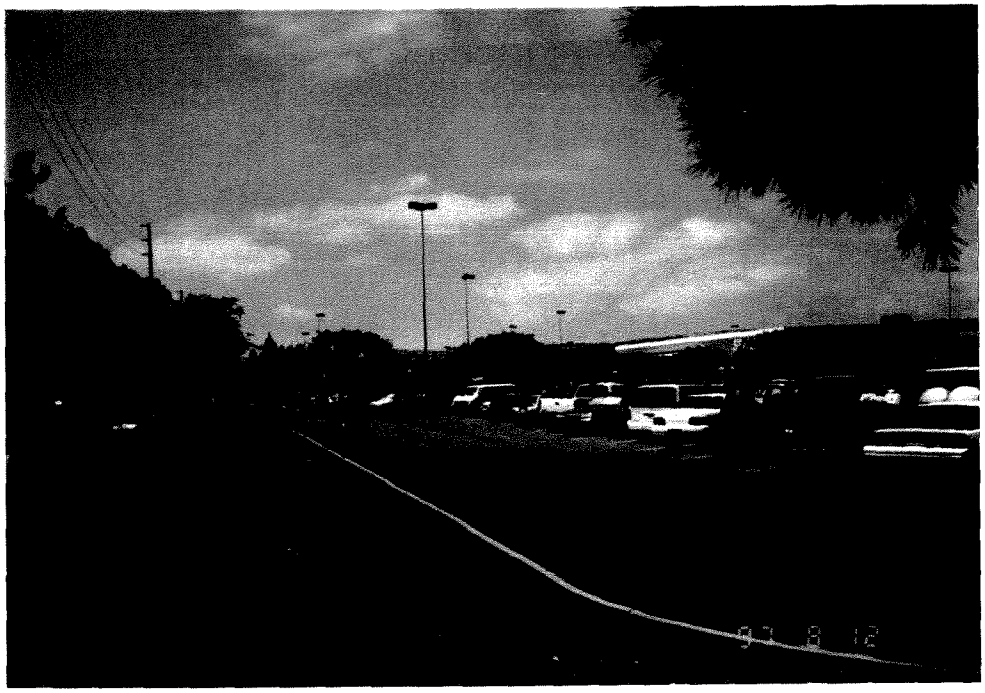

Photo No.: 8

Description: Adjacent property south — Scars

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EMG Photographic Record

Project No.: 30322012.97B

Project Name: Laguna Hills Mall

Photo No.: 9

Description: Adjacent property east — Strip retail and interstate

Photo No.: 10

Description: Adjacent property west — Saddlebrook Medical Center

EMG PHOTOGRAPHIC RECORD

Project No.: 30322012.97B

Project Name: Laguna Hills Mall

Photo No.: 11

Description: Roof of building #1

Photo No.: 12

Description: Ground water monitoring well

EMG PHOTOGRAPHIC RECORD

Project No.: 30322012.97B

Project Name: Laguna Hills Mall

Photo No.: 13

Description: Mall area

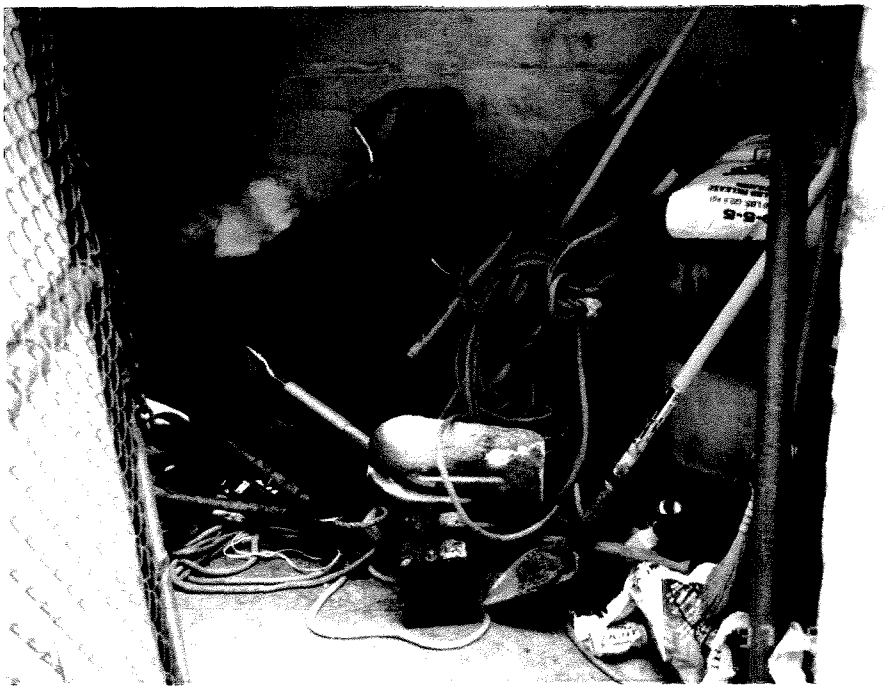

Photo No.: 14

Description: Unmarked 55-gallon barrel (south of Penny's)

EMG

EMG PHOTOGRAPHIC RECORD

Project No.: 30322012.97B

Project Name: Laguna Hills Mall

Photo No.: 15

Description: Waste in Lens Crafters

Photo No.: 16

Description: Grease traps

EMG

EMG PHOTOGRAPHIC RECORD

Project No.: 30322012.97B

Project Name: Laguna Hills Mall

Photo No.: 17

Description: Former Circuit City (Building #3)

Photo No.: 18

Description: Clarifier for Firestone (building #6)

EMG PHOTOGRAPHIC RECORD

Project No.: 30322012.97B

Project Name: Laguna Hills Mall

Photo No.: 19

Description: Former UST area for Firestone

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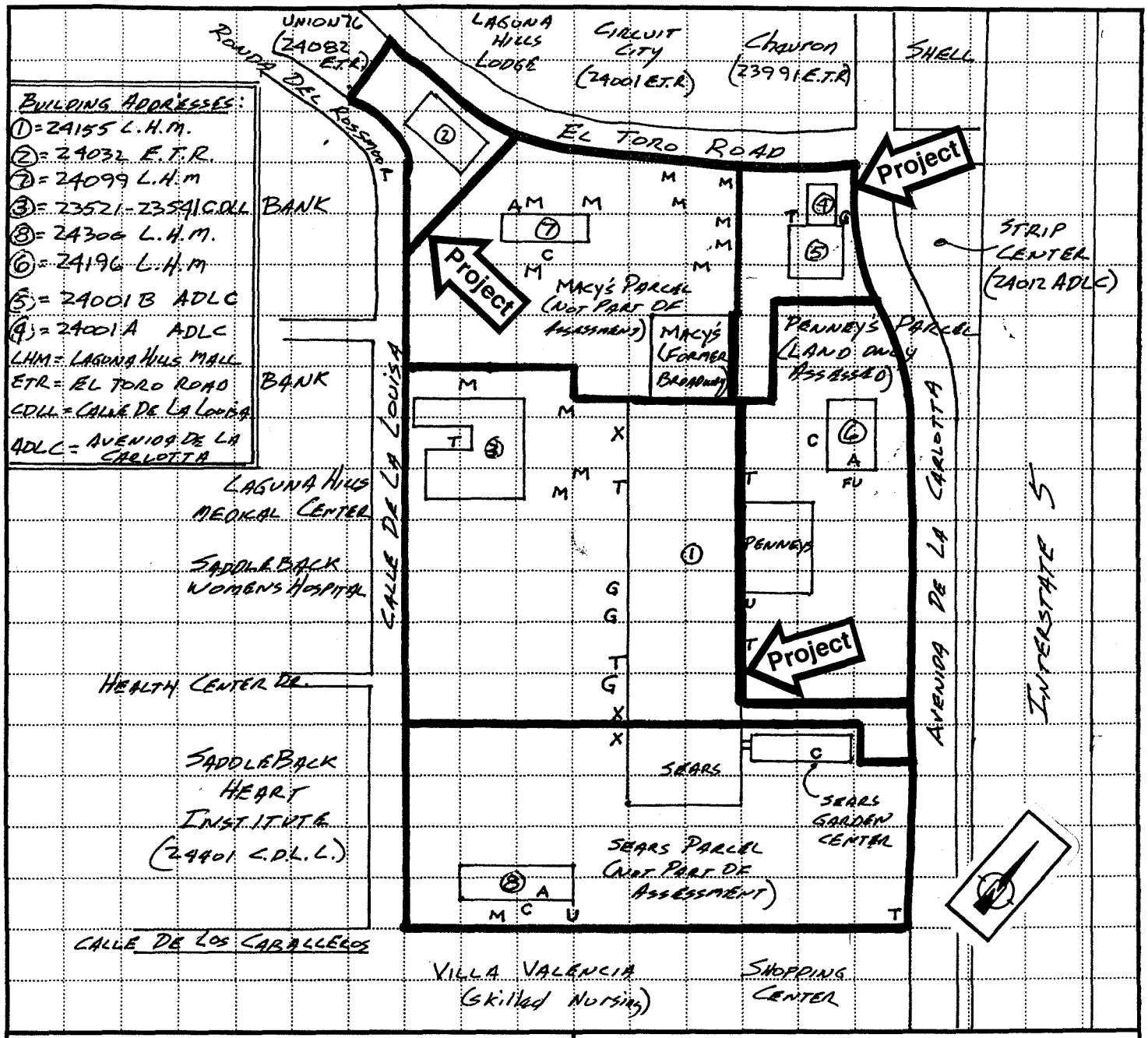
30322012.97B

Appendix B

Field Sketch

EMG An Environment For Success

Field Sketch



Key:
C = CLARIFIER
G = GREASE TRAP
M = MONITORING WELL
A = Aboveground Storage Tank
U = Unmarked Barrels
FU = FORMER UST
T = PAD-MOUNTED TRANSFORMERS
X = GENERATOR
(#) = BUILDING NUMBER

Project Name: LAGUNA HILLS MALL

Project Number: 3032 2012

On-Site Date: 8/11/97 ; 8/12/97

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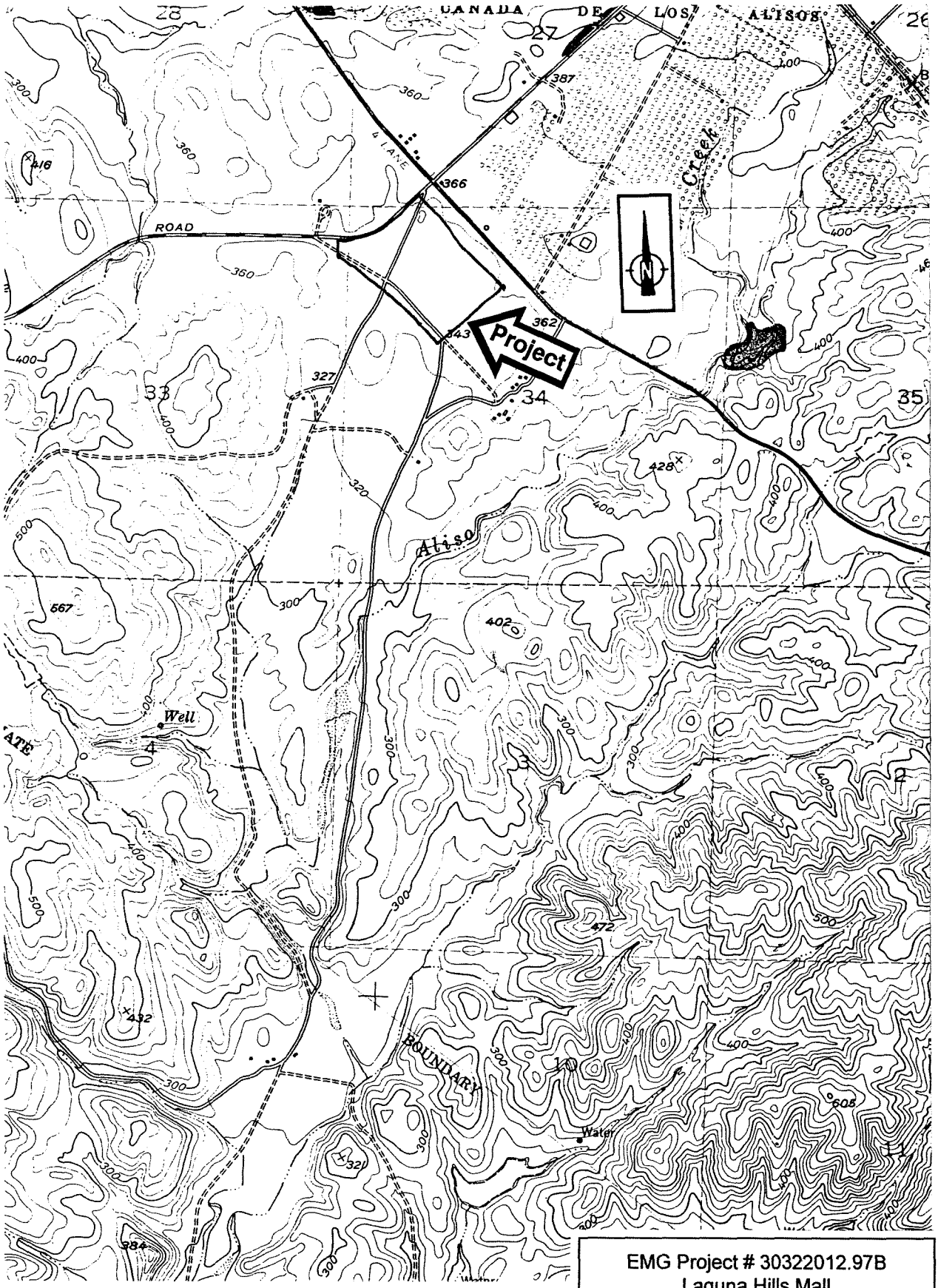
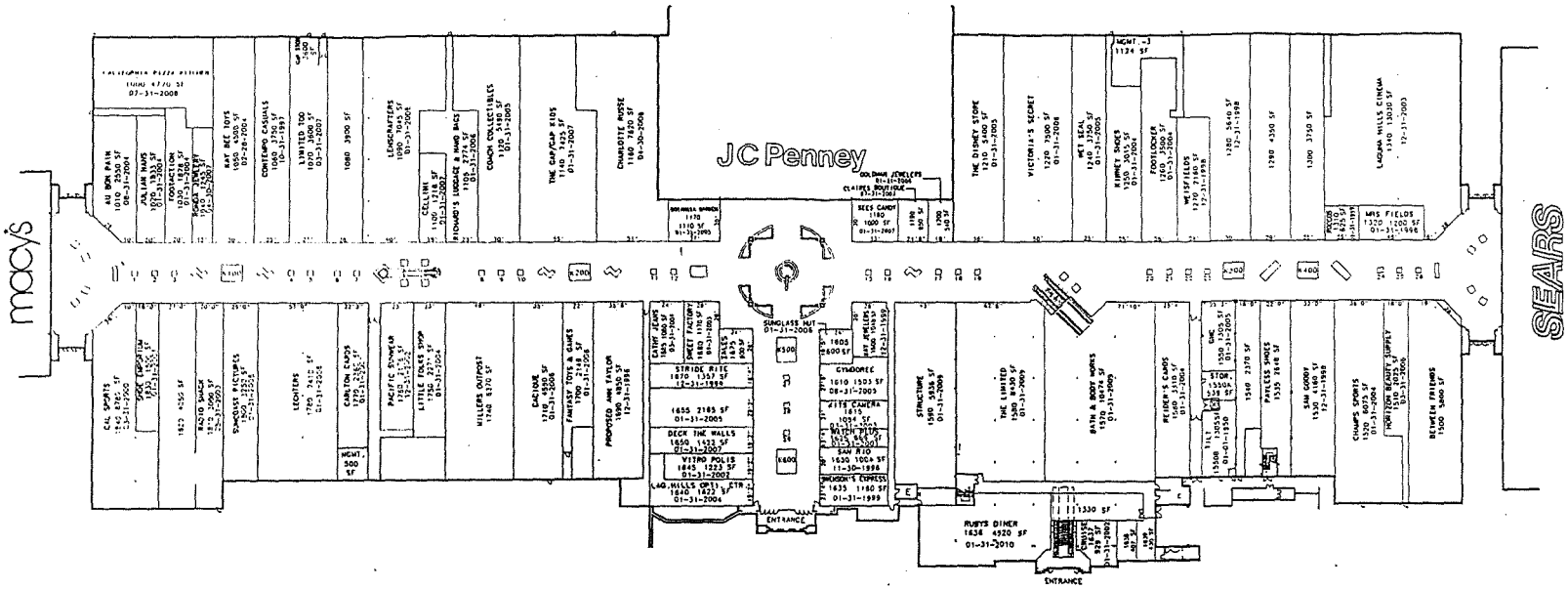
Appendix C

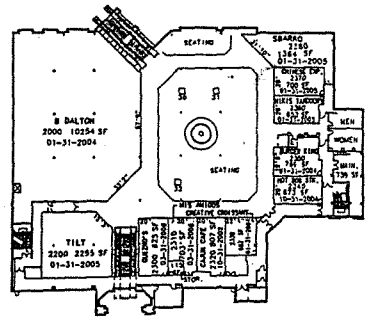
Maps and Aerial Photographs



EMG Project # 30322012.97B
Laguna Hills Mall
1948 USGS Topographic Map
San Juan Capistrano Quadrangle

EMG Project # 30322012.97B
Laguna Hills Mall
1968 USGS Topographic Map
San Juan Capistrano Quadrangle





KIOSK LEGEND

K100	PIERCING PAGODA 01-31-2001
K200	PLUME GOLD 01-31-2001
K300	THINGS REMEMBERED 12-31-2000
K400	
K500	
K600	

THIS IS A PRELIMINARY LEASE PLAN INTENDED FOR DISCUSSION PURPOSES ONLY. LANDLORD RESERVES THE RIGHT TO MAKE ANY CHANGES TO THE PLAN INCLUDING, WITHOUT LIMITATION, BUILDING OR STORE SIZE/CONFIGURATION, ENTRANCES, AND OVERALL CONFIGURATION. LANDLORD MAKES NO WARRANTIES OR REPRESENTATIONS CONCERNING ANY MATTER CONTAINED ON THIS PLAN, NOR SHALL TENANT RELY UPON THE SAME.

LAGUNA HILLS MALL

LAGUNA HILLS, CALIFORNIA

DEVELOPER
The O'Connor Group

LEASING
WellsPark Group
ONE WELLS AVENUE
NEWTON, MA 02159
TEL: (617) 965-8700

ARCHITECTS & ENGINEERS
BARKER KOHLIN
ARCHITECTS AND ENGINEERS, INC.
33 EAST STREET
CAMBRIDGE, MA 02141
TEL: (617) 225-0200

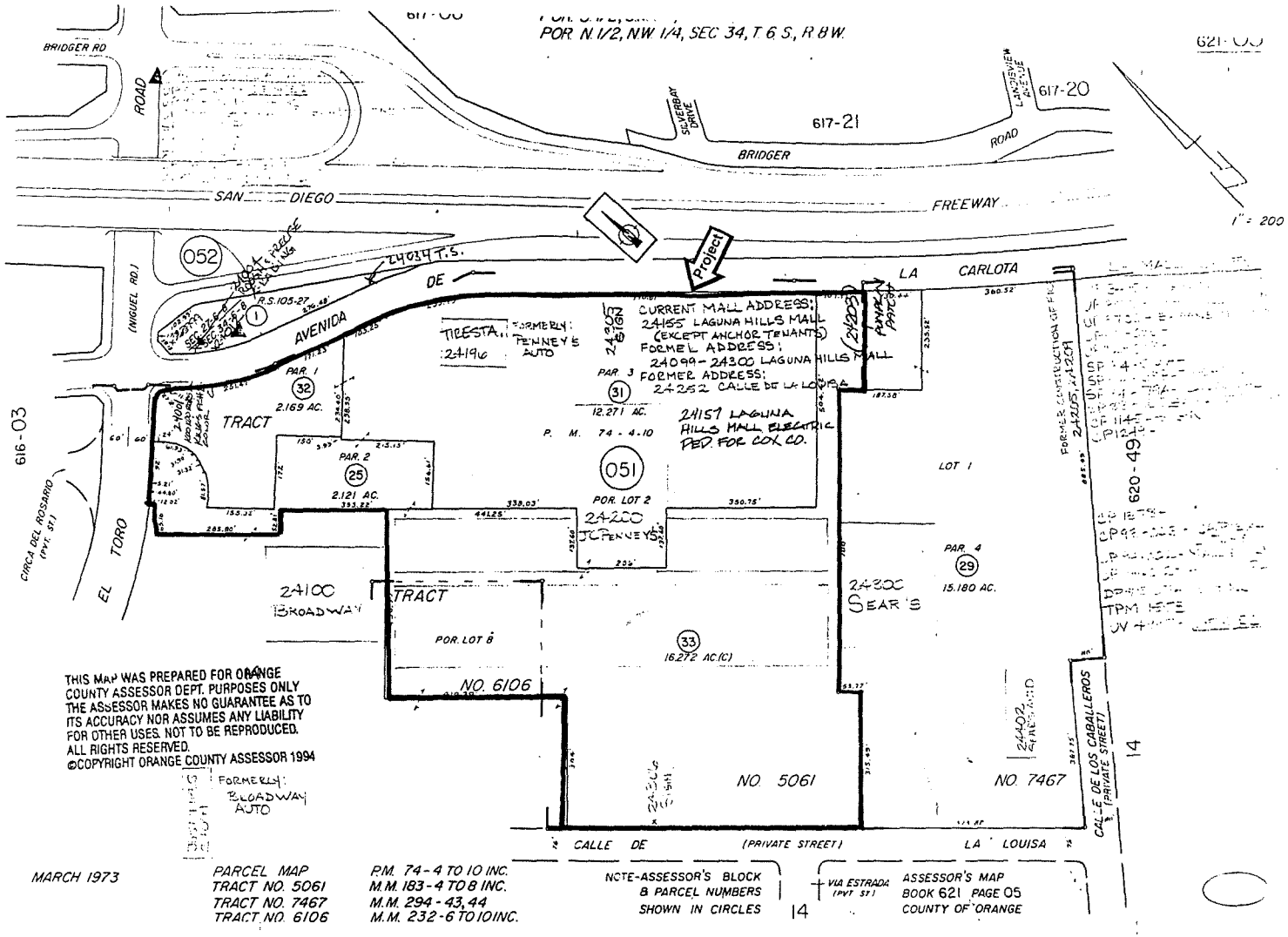
1" = 70'

CL-1

04/16/97

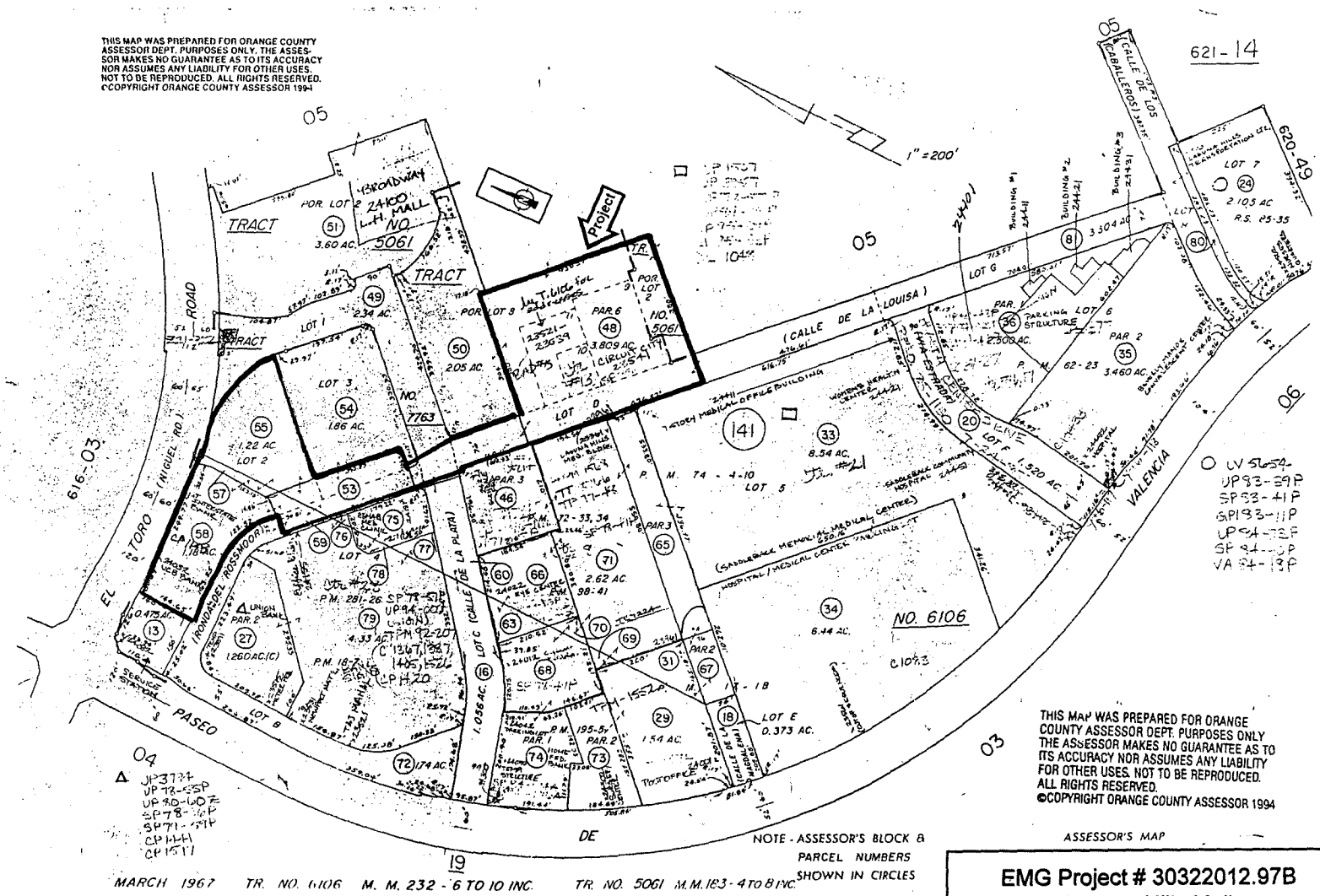
EMG Project # 30322012.97B
Laguna Hills Mall
Plot Plan of Building #1

EMG Environmental Management Group, Inc.



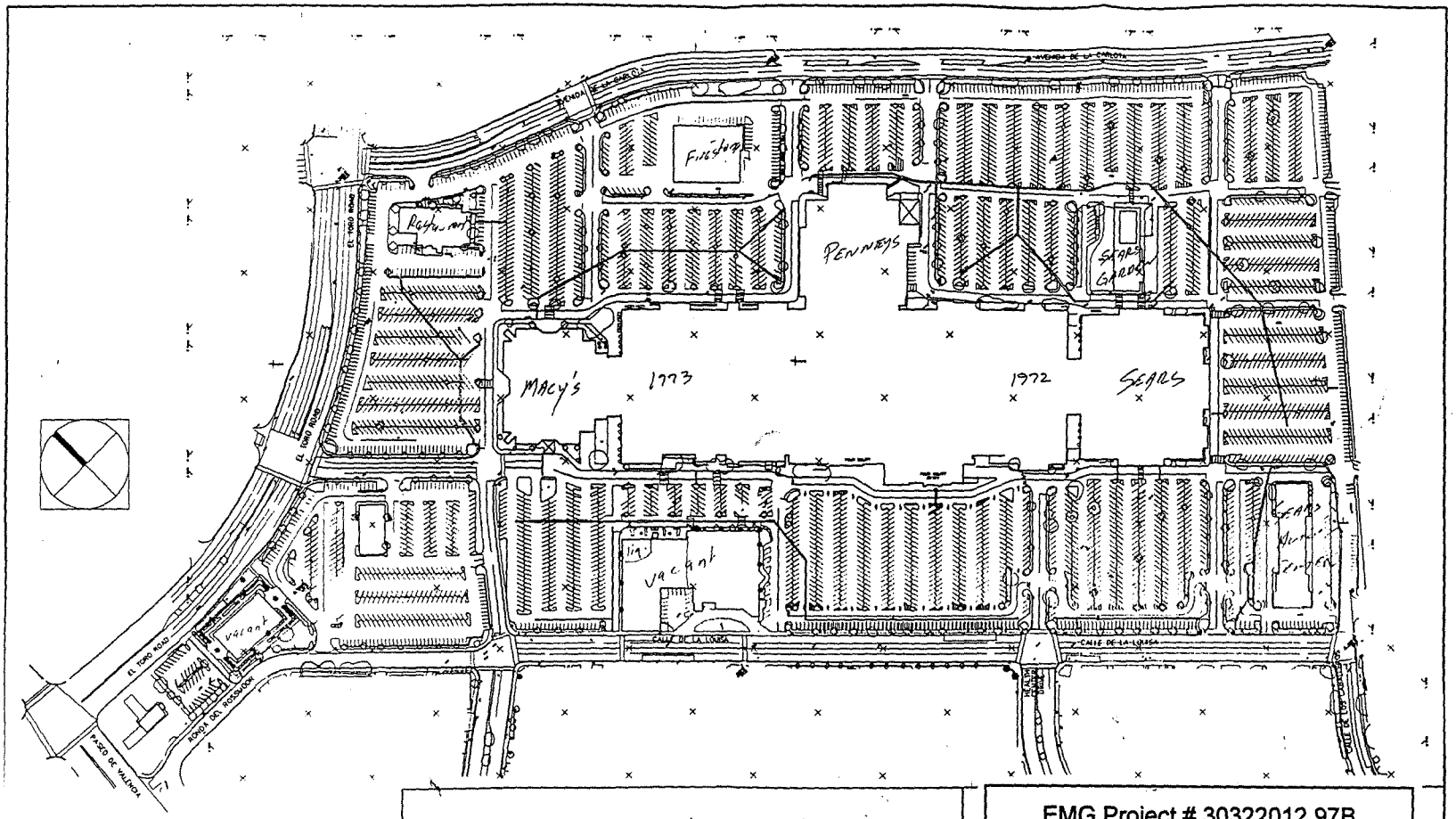
EMG Project # 30322012.97B
Laguna Hills Mall
Tax Map

EMG Environmental Management Group, Inc.



EMG Project # 30322012.97B
Laguna Hills Mall
Tax Map

EMG Environmental Management Group, Inc.



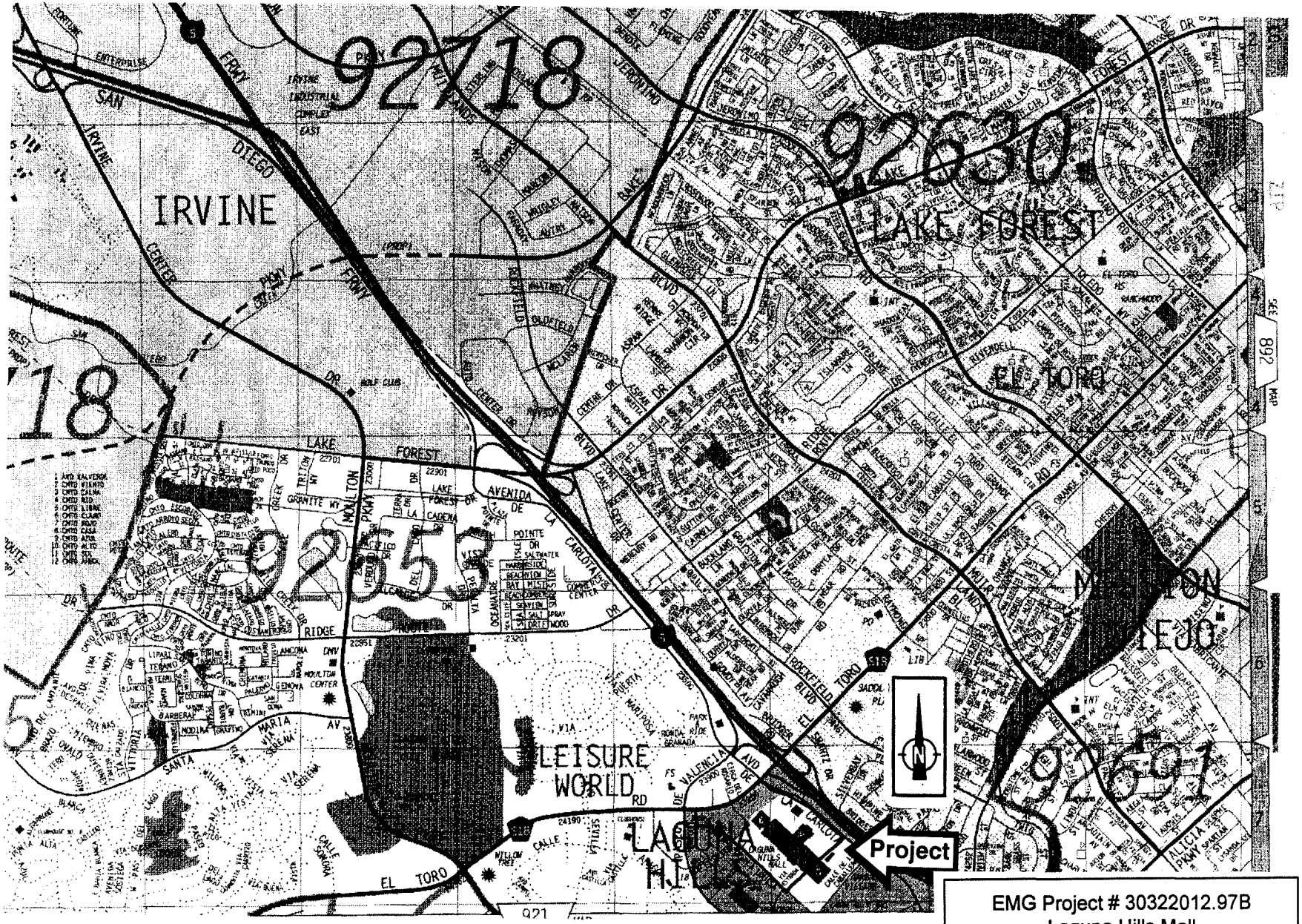
200' 0 200' 400' 600'

SCALE: 1" = 200'

EKN Engineers / Planners / Surveyors
4770 CAMPUS DRIVE, SUITE 240, NEWPORT BEACH, CA 92660
(714) 263-1925 FAX (714)263-1927

EMG Project # 30322012.97B
Laguna Hills Mall
Site Plan

EMG Environmental Management Group, Inc.



EMG Project # 30322012.97B
Laguna Hills Mall
Area Map

EMG Environmental Management Group, Inc.

EMG

30322012.97B

Appendix D

Record of Communication/Interviews

RECORD OF COMMUNICATION

Date: 8/28/97 **Time:** 11AM

Project Number: 30322012 **Recorded by:** GR Loomer

Project Name: Laguna Hills Mall (L.H.M.)

Communications with: Mr. Jonathan Albert, G.M. **of:** LHM

Phone: (714) 586-8282

Communication via: (✓) Telephone Conversation ( ) Discussions During Site Inspection ( )

Office Visitation/Meeting at: _____ ( )

Other: _____

Re: Operations & History of Project

Summary of Communication: Associated w/ Project for 8 years; Dry cleaning ops within building #3 since prior to 1989 to about 1996, used for storage since; Macy's, Penney's, and Sear's have USTs associated with their emergency power generators, unsure of any additional USTs; monitoring wells on Project are associated with off-site LUST facilities

Conclusions, Actions Taken, Required, or Recommended: Review files @ RWQCB, OCHCA & OCFA.

Follow up Required: When, With and By Whom: _____

RECORD OF COMMUNICATION

Date: 8/12/97 Time: 9 AM

Project Number: 30322012 Recorded by: G.R. Loomar

Project Name: LAGUNA HILLS MALL (LHM)

Communications with: Mr. David Linn, Ops Mgr. of: LHM

Phone: (714) 586 - 8282

Communication via: ( ) Telephone Conversation (✓) Discussions During Site Inspection ( )

Office Visitation/Meeting at: _____ ( )

Other: _____

Re: Operations

Summary of Communication: On-site for 2 years - Baker Commodities removes cooking grease from grease traps every 4 months, provided EMG w/ previous asbestos report, volunteered w/ USTs or monitoring wells on the Project.

Conclusions, Actions Taken, Required, or Recommended: none

Follow up Required: When, With and By Whom: none

RECORD OF COMMUNICATION

Date: 8/11/97 Time: 1 PM

Project Number: 30322012 Recorded by: G.R. Loomar

Project Name: LAGUNA HILLS MALL (LHM)

Communications with: Mr. Ed Wellens, Dir. of Maintenance of: L.H.M.

Phone: (714) 586-8202

Communication via: ( ) Telephone Conversation (✓) Discussions During Site Inspection ( )

Office Visitation/Meeting at: _____ ( )

Other: _____

Re: Operations

Summary of Communication: No USTs or ASTs on Project to his knowledge - not familiar w/ Penneys, Macys or Sears due to they provide own maintenance. On-site for 7 years

Conclusions, Actions Taken, Required, or Recommended: none

Follow up Required: When, With and By Whom: none

RECORD OF COMMUNICATION

Date: 8/11/97 Time: _____

Project Number: 30322012 Recorded by: G.R. Loomar

Project Name: LAGUNA HILLS MALL

Communications with: Mr. Mark Pacheco of: Cons Crafters

Phone: ( ) _____

Communication via: ( ) Telephone Conversation (✓) Discussions During Site Inspection ( )

Office Visitation/Meeting at: _____ ( )

Other: _____

Re: Operations

Summary of Communication: No solvents used in tenant space. Cutting & Lub fluid wastes are removed from tenant space every 3 months. EMG took a picture of the barrel of waste within the tenant space and was asked to destroy the film; upon refusal was escorted out.

Conclusions, Actions Taken, Required, or Recommended: None

Follow up Required: When, With and By Whom: none

RECORD OF COMMUNICATION

Date: 8/11/97 Time: _____

Project Number: 30322012 Recorded by: G.R. Loomar

Project Name: LAGUNA HILLS MALL

Communications with: Ms. Alicia Barry of: Eye Exam 2000

Phone: (714) 458-2524

Communication via: ( ) Telephone Conversation (✓) Discussions During Site Inspection ( )

Office Visitation/Meeting at: _____ ( )

Other: _____

Re: Operations

Summary of Communication: No hazardous materials or waste within tenant space

Conclusions, Actions Taken, Required, or Recommended: None

Follow up Required: When, With and By Whom: None

RECORD OF COMMUNICATION

Date: 8/11/97 **Time:** _____

Project Number: 30322012 **Recorded by:** G.R. Loomar

Project Name: LAGUNA HILLS MALL

Communications with: Ms. Heather Purtle, Manager **of:** KITS Camera /Over Photo

Phone: (714) 859-7539

Communication via: ( ) **Telephone Conversation** (✓) **Discussions During Site Inspection** ( )

Office Visitation/Meeting at: _____ ( )

Other: _____

Re: Operations

Summary of Communication: Two years on-site, safety klean removes photo developing waste every 2 months from 2 silver recovery units

Conclusions, Actions Taken, Required, or Recommended: none.

Follow up Required: When, With and By Whom: none

RECORD OF COMMUNICATION

Date: 8/11/97 Time: 2 PM

Project Number: 30322012 Recorded by: G.R. Loomar

Project Name: LAGUNA HILLS MALL

Communications with: Ms. Kitty Anderson of: Laguna Hills Mall Optometric Center

Phone: (714) 586-8980

Communication via: ( ) Telephone Conversation (✓) Discussions During Site Inspection ( )

Office Visitation/Meeting at: _____ ( )

Other: _____

Re: Operations

Summary of Communication: No hazardous materials or waste within tenant space.

Conclusions, Actions Taken, Required, or Recommended: None.

Follow up Required: When, With and By Whom: None

RECORD OF COMMUNICATION

Date: 8/11/97 Time: 4 Pm

Project Number: 30322012 Recorded by: G.R. Loomar

Project Name: LAGUNA HILLS MALL

Communications with: Mr. Mal Parrin of: Firestone

Phone: (714) 837-3319

Communication via: ( ) Telephone Conversation (✓) Discussions During Site Inspection ( )

Office Visitation/Meeting at: _____ ( )

Other: _____

Re: Operations

Summary of Communication: Removed waste oil UST in 1993 and replaced w/ 150-gallon AST; Clarifier is cleaned out yearly basis - receives runoff from work shop after spills are cleaned up.

Conclusions, Actions Taken, Required, or Recommended: none

Follow up Required: When, With and By Whom: none

RECORD OF COMMUNICATION

Date: 8/13/97 Time: 4PM

Project Number: 30322012 Recorded by: GR Loomis

Project Name: L.H.M.

Communications with: Mr. Mike Kay of: El Toro Water District (ETWD)

Phone: (714) 837-7050

Communication via: (✓) Telephone Conversation ( ) Discussions During Site Inspection ( )

Office Visitation/Meeting at: _____ ( )

Other: _____

Re: Water Quality

Summary of Communication: Water provided by ETWD meets all standards

Conclusions, Actions Taken, Required, or Recommended: none

Follow up Required: When, With and By Whom: none

RECORD OF COMMUNICATION

Date: 8/13/97 **Time:** 3:30pm

Project Number: 30322012 **Recorded by:** GR Loomer

Project Name: Laguna Hills Mall

Communications with: Mr. Ralph Palmoras **of:** ETWD

Phone: (714) 837-0580

Communication via: (✓) **Telephone Conversation** ( ) **Discussions During Site Inspection** ( )

Office Visitation/Meeting at: _____ ( )

Other: _____

Re: (IWPs) Industrial Waste Permits

Summary of Communication: IWPs files are listed for the grease traps at the Project. No violations were noted & he had no knowledge of past problems.

Conclusions, Actions Taken, Required, or Recommended: none

Follow up Required: When, With and By Whom: none

CA

RECORD OF COMMUNICATION

Date: 8/13/92 Time: 2 PM

Project Number: 30322012 Recorded by: G.R. Loomer

Project Name: Laguna Hills Mall

Communications with: Mr. George Becker, Sr. Env. Spec.

of: Southern California Edison, Environmental Affairs Corporate Office

Phone: (818) 302-2216

Communication via: (X) Telephone Conversation ( ) Discussions During Site Inspection

( ) Office Visitation/Meeting at: _____

( ) Other: _____

Re: PCB Content of Transformers

Summary of Communication: Of all transformers tested to date 98% have been found to be Non-PCB. All pad mounted transformers are Non-PCB. Pole mounted Transformers may be at worst case PCB contaminated. No PCB containing transformers are in service.

Conclusions, Actions Taken, Required, or Recommended: No action required

Follow up Required: When, With and By Whom: None

RECORD OF COMMUNICATION

Date: 8/13/97 Time: 11:30 AM

Project Number: 30322012 Recorded by: G. Robin Loomer

Project Name: C.H.M.

Communications with: Mr. Pat Hall

of: Orange County Fire Department (Hazmat Section)

Phone: (714) 744-0463

Communication via: (✓) Telephone Conversation ( ) Discussions During Site Inspection

( ) Office Visitation/Meeting at:

( ) Other:

Re: Hazardous Materials Files

Summary of Communication: Mr. Hall stated that a request form must be faxed to her attention. It may take 30 days to prepare the file for review and no file information could be given over the phone

Conclusions, Actions Taken, Required, or Recommended:
Submitted a written request

Follow up Required: When, With and By Whom:
Review file information for all addresses of the mall

RECORD OF COMMUNICATION

Date: 8/13/97 Time: 11:30 AM

Project Number: 30322012 Recorded by: G. Robin Loomar

Project Name: Laguna Hills Mall

Communications with: Ms. Germaine Badard

of: Orange County Health Care Agency

Phone: (714) 834-3446

Communication via: (X) Telephone Conversation ( ) Discussions During Site Inspection

( ) Office Visitation/Meeting at:

( ) Other:

Re: Hazmat & UST files

Summary of Communication: Ms. Badard said that her agency kept files for Hazmat & USTs for most of Orange County. A faxed request form was required and the preparation & review files could take 30 days. No information could be given over the phone

Conclusions, Actions Taken, Required, or Recommended:
Submitted a written request

Follow up Required: When, With and By Whom:
Review file information for all addresses at the Mall

RECORD OF COMMUNICATION

Date: 8/13/97 ; 8/18/97 Time: 3PM

Project Number: 30322012 Recorded by: G.R. Loomer

Project Name: L.H.M.

Communications with: MARGIE QUIROZ

of: RWQCB, Region #8 (Water Quality Control Board)

Phone: (909) 782-4499

Communication via: (X) Telephone Conversation ( ) Discussions During Site Inspection

( ) Office Visitation/Meeting at:

( ) Other:

Re: Files with Agency

Summary of Communication: No files exist for the Project. The RWQCB maintains files on all sites within their jurisdiction that have impacted the ground water

Conclusions, Actions Taken, Required, or Recommended: None

Follow up Required: When, With and By Whom:

Review file information for all proximal LUST facilities with a potential for impact to the Project.

EMG

30322012.97B

Appendix E

Client Questionnaire

HEADQUARTERS: EMG CORPORATE CENTER 11011 McCORMICK ROAD BALTIMORE, MARYLAND 21031 800 733 0660 FAX 410 785 6220
ATLANTA • BALTIMORE • BOSTON • CHICAGO • DALLAS • DENVER • DETROIT • HARTFORD • KANSAS CITY • LAS VEGAS
LOS ANGELES • MILWAUKEE • NEW YORK • PHOENIX • PORTLAND • SAN FRANCISCO • SEATTLE • SPOKANE • TRENTON

Project No.: _____

CLIENT QUESTIONNAIRE

Communication with: Mr. David Linn

Project No.: 3032 2012

Project Name: Laguna Hills Mall

Directions: Please answer all questions to the best of your knowledge and in good faith. Mark the column corresponding to the appropriate response. Note: *U-NR* indicated *"Unknown"* or *"No Response"*.

QUESTION		OWNER/OCCUPANT			COMMENTS
		Yes	No	U-NR	
1A.	Is the Project used for an industrial use?		✓		
1B.	Are any Adjoining Properties used for an industrial use?		✓		
2A.	To the best of your knowledge, has the Project been used for an industrial use in the past?		✓		
2B.	To the best of your knowledge, has any Adjoining Properties been used for an industrial use in the past?		✓		
3A.	Is the Project used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	✓			Sears, Penneys & Macys have auto repair; ~~several~~
3B.	Is any Adjoining Property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	✓			Several Service Stations in area.
4A.	To the best of your knowledge, has the Project been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?		✓		
4B.	To the best of your knowledge, has any Adjoining Property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	✓			"

Project No.: _____

5A.	Are there currently any automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of greater than five gallons in volume or fifty gallons in the aggregate, stored on or used at the Project?		✓		Just in Sears, Macys & Penneys Auto repair facilities
5B.	To the best of your knowledge, have there been previously any automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of greater than five gallons in volume or fifty gallons in the aggregate, stored on or used at the Project?		✓		
6A.	Are there currently any industrial Drums (typically 55 gallon) or sacks of chemicals located on the Project?		✓		
6B.	To the best of your knowledge, have there been previously any industrial Drums (typically 55 gallon) or sacks of chemicals located on the Project?		✓		
7A.	Has Fill Dirt been brought onto the Project which originated from a contaminated site?			✓	
7B.	Has Fill Dirt been brought onto the Project which is of an unknown origin?			✓	
8A.	Are there currently any Pits, Ponds or Lagoons located on the Project in connection with waste treatment or waste disposal?		✓		
8B.	To the best of your knowledge, have there been previously any Pits, Ponds or Lagoons located on the Project in connection with waste treatment or waste disposal?		✓		
9A.	Is there currently, any stained soil on the Project?		✓		
9B.	To the best of your knowledge, has there been previously any stained soil on the Project?		✓		
10A.	Are there currently any registered or unregistered storage tanks (above or underground) located on the Project?			✓	Unsure of USTs on-site
10B.	To the best of your knowledge, have there been previously any registered or unregistered storage tanks (above or underground) located on the Project?			✓	"
11A.	Are there currently any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground on the Project or adjacent to any structure located on the Project?		✓		
11B.	To the best of your knowledge, have there been previously any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground on the Project or adjacent to any structure located on the Project?		✓		
12A.	Are there currently any flooring, drains, or walls located at the Project that are stained by substances other than water or are emitting foul odors?		✓		

Project No.: _____

12B.	To the best of your knowledge, have there been previously any flooring, drains, or walls located at the Project that are stained by substances other than water or are emitting foul odors?		✓		
13A.	If the Project is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system?				N/A
13B.	If the Project is served by a private well or non-public water system, has the well been designated as contaminated by any government environmental/health agency?				"
14.	Are there any Environmental Liens or governmental notification relating to past or current violations of environmental laws with respect to the Project or any facility located on the Project?			✓	
15A.	Has the owner or occupant of the Project been informed of the past existence of Hazardous Substances or Petroleum Products with respect to the Project or any facility located on the Project?			✓	
15B.	Has the owner or occupant of the Project been informed of the current existence of Hazardous Substances or Petroleum Products with respect to the Project or any facility located on the Project?			✓	
15C.	Has the owner or occupant of the Project been informed of the past existence of environmental violations with respect to the Project or any facility located on the Project?			✓	
16.	Have there been any Environmental Site Assessments of the Project that indicated the presence of Hazardous Substances or Petroleum Products on, or contamination of, the Project or recommended further assessment of the Project?			✓	
17.	Are there any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any Hazardous Substance or Petroleum Products involving the Project?			✓	
18A.	Does the Project discharge waste water on or adjacent to the project, other than storm water, into a storm water sewer system?		✓		
18B.	Does the Project discharge waste water on or adjacent to the project, other than storm water, or into a sanitary system?		✓		
19.	Have any Hazardous Substances or Petroleum Products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the Project?		✓		
20.	Is there a transformer, capacitor or any hydraulic equipment for which there are any records indicating the presence of PCBs?			✓	
21.	Is there now or has there ever been any asbestos-containing materials (ACM), in any application, on the Project?			✓	

Project No.: _____

22.	Has there ever been any ACM testing conducted on the Project?	✓			In 1989, unknown what status is.
23.	Is there now or has there ever been any lead-based paint (LBP) applications on the Project?			✓	
24.	Has there ever been LBP testing conducted on the Project?			✓	
25.	Has the water at the Project ever been tested for lead?			✓	
26.	Has Radon testing ever been conducted at the Project?			✓	
27.	Is the Project or any portion of the Project located or involved in any environmentally sensitive areas (i.e., wetlands, coastal barrier resource areas, coastal barrier improvement act areas, flood plains, endangered species, etc.)?		✓		
28.	Summarize historical Project use (when was the Project developed with the current improvements, what modifications have taken place, what was the Project used for prior to it's current use)	Built in early 1970s.			

EMG

30322012.97B

Appendix F

Laboratory Analytical Results

ASBESTOS SURVEY
AT THE
LAGUNA HILLS MALL
AND
LAGUNA HILLS SHOPPING CENTER
LAGUNA HILLS, CALIFORNIA

CERTIFIED PROJECT NO. A90200

PREPARED FOR:

MR. JOHN BONFIGLIO
THE O'CONNOR GROUP
200 PARK AVENUE
NEW YORK, NEW YORK 10166

DATE ISSUED:

SEPTEMBER 29, 1989

EXECUTIVE SUMMARY

Certified Engineering and Testing Company, Inc. (CERTIFIED) conducted an asbestos survey at the Laguna Hills Mall and Laguna Hills Shopping Center (the Site), located on El Toro Road in Laguna Hills, California on September 14, 16 and 17, 1989.

The objective of this survey was to identify suspect asbestos-containing material (ACM) at the site and to assess its condition.

The Laguna Hills Mall was constructed in two phases: phase one in 1973 and phase two in 1977. The approximate total gross square footage of both the Mall and the Shopping Center is 1,097,960 square feet. The two buildings are constructed of steel, concrete, stucco and cinder blocks.

Floor tile, transite wall board, and sprayed-on ceiling material were found to contain asbestos. Due to limitations in the analysis techniques employed, Linoleum floor covering materials, which were not found to contain asbestos cannot be considered asbestos free.

CERTIFIED recommends that the homogeneous applications listed in Table 3 (Materials Recommended for EM Analysis) be analyzed using electron microscopy to confirm their asbestos content, if and when they are disturbed due to renovations or other means.

CERTIFIED also recommends that all materials proven to be asbestos-containing be maintained under the provisions of an Operations and Maintenance (O&M) Program. If demolition or renovation is to occur which will disturb the ACM, it is required that they be removed by a California Licensed Asbestos Abatement Contractor.

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B. Analytical Methods
IV. Survey Findings.....3-4
V. Conclusions and Recommendations.....5

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Table 2.....7-9
Table 3.....10

Appendix A Bulk Sample Sheets
Appendix B Floor Plans
Appendix C List of Investigated Materials
Appendix D Photographs
Appendix E Definitions
Appendix F Limitations and Service Constraints

The Asbestos Survey described herein was conducted by the undersigned, of Certified Engineering and Testing Company, Inc. (CERTIFIED). CERTIFIED's investigation consisted solely of the activities described in the Introduction to this report and is subject to the Limitations and Service Constraints provided in Appendix F.

Francisco J. Rodrigues

Francisco J. Rodrigues, Project Manager
Industrial Hygienist

September 29, 1989

Asbestos Survey Report Reviewed
and Approved By:

Timothy J. Hoffman

Timothy J. Hoffman, Project Supervisor
Industrial Hygienist

I. INTRODUCTION

Certified Engineering and Testing Company, Inc. (CERTIFIED) performed an asbestos survey at the Laguna Hills Mall and Laguna Hills Shopping Center, located on El Toro Road in Laguna Hills, California on September 14, 16 and 17, 1989.

The scope of work for the project, as provided to CERTIFIED, was to identify, quantify and assess the condition of suspect asbestos-containing material throughout accessible areas of the Laguna Hills Mall and Laguna Hills Shopping Center, Laguna Hills, California. Investigated materials consisted solely of those noted in the List of Investigated Materials in Appendix C. In addition, the survey was subject to the limitations noted in the Limitations and Service Constraints found in Appendix F.

II. SITE DESCRIPTION

The Laguna Hills Mall was constructed in two phases: phase one in 1973 and phase two in 1977. The approximate total gross square footage of both the Mall and the Shopping Center is 1,097,960 square feet. The two buildings are constructed of steel, concrete, stucco and cinder block.

As a guideline for the survey, CERTIFIED used the Laguna Hills Mall and Laguna Hills Shopping Center's site plan, which were provided to CERTIFIED by Gene Condon, Operations Manager.

Renovations to some of the stores within the two buildings have occurred with changes in the store ownerships. Most of the changes noted within the shops included the removal of original floor tile and replacement with either carpet or newer tile. A majority of the shops still maintain the original floor tile, which has been carpeted over in some areas.

III. METHODOLOGY

A. Survey Approach

Suspect ACM was identified based on a complete building walk-through, documentation review and on-site interviews with building staff. The inspection included all building areas other than those to which access would have required damaging building components.

Suspect materials were divided into "Homogeneous Applications," building materials which were determined by the inspector to be homogenous based on their color, texture and age. A representative number of samples were collected from each Homogeneous Application.

Assessment of material condition included, among other factors, area occupancy and use, existing damage, and potential for damage. Determination of a material's potential for damage includes evaluation of the building's air-flow, building occupancy, and the material's friability and percent asbestos.

Characterization of the asbestos-content of a material on a unit-by-unit basis (e.g. tile by tile or fitting by fitting) is generally both economically impractical and of questionable usefulness. Instead, materials making up an apparently homogeneous material application are treated as a single material and, generally, are reported as positive even if only a single sample of the material is found to contain asbestos.

B. Analytical Methods

Material identification was performed using Polarized Light Microscopy with Dispersion Staining (PLM/DS) in accordance with the Environmental Protection Agency (EPA) "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA-600-M4-82-020). Percentage estimates of each material's components are based on the analyst's best judgement following PLM/DS analysis and examination with a stereoscope.

Pending confirmation of asbestos-content by electron microscopy, CERTIFIED recommends that all materials listed in Table 3 (such as floor tile) which are found not to contain asbestos by optical microscopy be maintained as though they contained asbestos. Electron microscopy with sample preparation using the "Chatfield Standard Operating Procedure" proposed to ASTM Committee D22.05.07.007 is the current "state-of-the-art" for analysis of non-insulation samples. Specific recommendations regarding any such materials, which for the purposes of this report are called Materials Recommended for EM Analysis, are provided in the Findings section of this report.

IV. SURVEY FINDINGS

Asbestos-containing materials in generally good condition were found throughout the Laguna Hills Mall and Laguna Hills Shopping Center. Homogeneous Application M-14 was found not to contain asbestos by optical microscopy but the asbestos content of samples from this area was not confirmed using Transmission Electron Microscopy (TEM). Due to limitations in the analysis techniques employed, some additional materials sampled at the site cannot be considered free of asbestos (see Table 3). Materials determined to be non-asbestos-containing by PLM/DS methodology are listed as Table 2.

Confirmed Asbestos-Containing Materials:

Floor Tile (M-02, M-12, M-13)

The floor tile is found throughout the Laguna Hills Mall. The confirmed asbestos-containing floor tile was in 9" x 9" and 1' x 1' dimensions. The majority of the floor tile noted was in good condition.

Homogeneous Application #	Description	Location	Amount
M-02	1' x 1' Various Colored Floor Tile	Kinney Shoes, Lens Crafters, Naturalizer West, Lechters, Jay Jacobs, Cutlery World, DJ's Fashion Center For Men	10,000 sq.ft
M-12	1' x 1' Various Colored Floor Tile	Little Folks Shop, Jackie's, Wet Seal, Sheila's, Millers Outpost, Outfitters, Coach House Gift, Russo's Pets	5,000 sq.ft.
M-13	9" x 9" Brown and Green Floor Tile	Leed's Shoes, Showcase Cards	800 sq.ft.

Transite Wall Board (M-03)

There is approximately 4,200 square feet of transite wall board located in all of the Laguna Hills Mall exit corridors and also in the receiving corridors of some tenant spaces. Overall, the material is in good condition with minor damage in some tenant spaces.

Textured Sprayed-On Ceiling Material (S-01)

There is approximately 30,000 square feet of textured sprayed-on ceiling material located in some tenant spaces and also located in the common areas. The material is in good condition and the material in the common areas is 25-35 feet high, therefore, the potential for fiber release is low.

V. CONCLUSIONS AND RECOMMENDATIONS

All confirmed asbestos-containing materials at the Laguna Hills Mall and Laguna Hills Shopping Center were found to be in good condition with low potential for fiber release. Therefore, CERTIFIED recommends that these materials (M-02, M-03, M-12, M-13 and S-01) be maintained under the provisions of an Operations and Maintenance
(O&M) Program.

The purpose of an O&M Program is threefold: first, to clean up asbestos fibers which may have been released; second, to prevent possible future fiber release by reducing disturbance; and third, to monitor the condition of asbestos-containing materials.

CERTIFIED recommends that all confirmed asbestos-containing materials be removed before any renovation/demolition is to occur which may disturb these materials. If suspect materials not included in this report are discovered during renovation/demolition, it is recommended that they be samples and analyzed to determine asbestos content.

It is required that all removal of asbestos-containing material be conducted by a fully licensed abatement contractor. Removal should be performed in accordance with a state-of-the-art removal specification and all contractor work should be monitored by a third party consultant.

It is also recommended that Homogeneous Application M-14 be analyzed using electron microscopy to confirm asbestos content, if and when it will be disturbed due to renovations or other means.

TABLE 1

Confirmed Asbestos-Containing Materials

Homogeneous Application #	Description	Location	Results	Square/Linear Footage
M-02	1' x 1' Various Colored Floor Tile	Kinney Lens Crafters, Naturalizer West, Lechters, Jay Jacobs, Cutlery World, DJ's Fashion Center For Men	1-3% Total Asbestos	10,000
M-03	Transite Wall Board	All Mall Exit Corridors And Receiving Corridors	65-70% Total Asbestos	4,200
M-12	1' x 1' Various Colored Floor Tile	Little Folks Shop, Jackie's, Wet Seal, Sheila's, Millers Outpost, Outfitters, Coach House Gifts, Russo's Pet	< 1% Total Asbestos	5,000
M-13	9" x 9" Brown and Green Floor Tile	Leed's Shoes, Show-case Cards	1-3% Total Asbestos	800
S-01	Textured Sprayed-on Ceiling Material	Ronda's Jewelers, Maling Shoes, Shoe Emporium, Common Areas	1-5% Total Asbestos	30,000

TABLE 2

Non-Asbestos-Containing Materials

Homogeneous Application #	Description	Location
M-01	2' x 2' Grey Suspended Ceiling Tile	Management Offices, Petres, Contempo Casuals, Kinney Shoes, Brooks, Tilt, Orange Julius, General Nutrition
M-05	2' x 4' Suspended Ceiling Tile	Windsor's (Backroom) Kay Bee Toy & Hobby, Brooks, Lens Crafters, Lechter's Kit's Camera, Little Folks Shop, Wet Seal, Millers Outpost, Picturemat, Sandwich Express, Showcase Cards, CVS Drugs
M-06	1' x 1' Spline Ceiling Tile	Windsor's, Pendleton Sports Shop, Helen Grace Candies, Jackie's, Laguna Hills Cinema, Fiddler's Three, Merle Norman, Annie-Sez, Time-O-Max, El Porto Luggage
M-09	2' x 2' Brown Paper-Like Suspended Ceiling Tile	Naturalizer West, Pal's, Singer House of Fabrics
M-10	2' x 2' Grey Suspended Ceiling Tile	Jay Jacobs, Socks Du Jour, Hiland Tobacco, The Limited Sheila's, Footlocker Weisfield's Jewelers Pinch or Pound, Florsheim Shoes, Heidi's Frozen

TABLE 2
(con't)

Homogeneous Application #	Description	Location
M-10	2' x 2' Gray Suspended Ceiling Tile	Yozurt, TJ's Cinnamons Bakery, Gloria Jean's Coffee Beans, Zale's Jewelers, Round Table Pizza, Chic Accessories, DJ's Fashion Center For Men, Russo's Pet, Coach House Gifts, Showcase Cards, Leed's Shoes, Outfitters, Radio Shack, P.S. Plus Sizes
M-11	2' x 4' Dark Gray/Charcoal Colored Suspended Ceiling Tile	Cutlery World
M-15	1' x 1' Gray Spline Ceiling Tile	Millers Outpost, Walden Books, The Sweat and Surf Shop, Rieder's Hallmark, Sam Goody's Music-land, Hairstyling Co., Thom McAn, Foxmoor Casuals, Limited Express, Motherhood Maternity Carl's Jr., Cutlery World
M-16	2' x 2' Suspended Ceiling Tile	Laguna Shopping Center: Circuit City Mandarin King, Velta's Fashion

TABLE 2
(con't)

Homogeneous Application #	Description	Location
M-17	2' x 4' Suspended Ceiling Tile	Laguna Shopping Center: Rainbow Reality, Vacant Shop, Laguna Hills Wine and Spirits, Laguna Hills Optical Old Fashion Donut House, Leisure World Barbers, Laguna Hills Coiffures, Laguna Hills Cleaners
M-18	1' x 1' Spline Ceiling Tile	Laguna Shopping Center: Laguna Hills Cleaners

TABLE 3

Materials Recommended for EM Analysis

Homogeneous Application #	Description	Location	Square/Linear Footage
M-14	Gray Linoleum Floor Covering	Pinch or Pound	600

EMG

30322012.97B

Appendix G

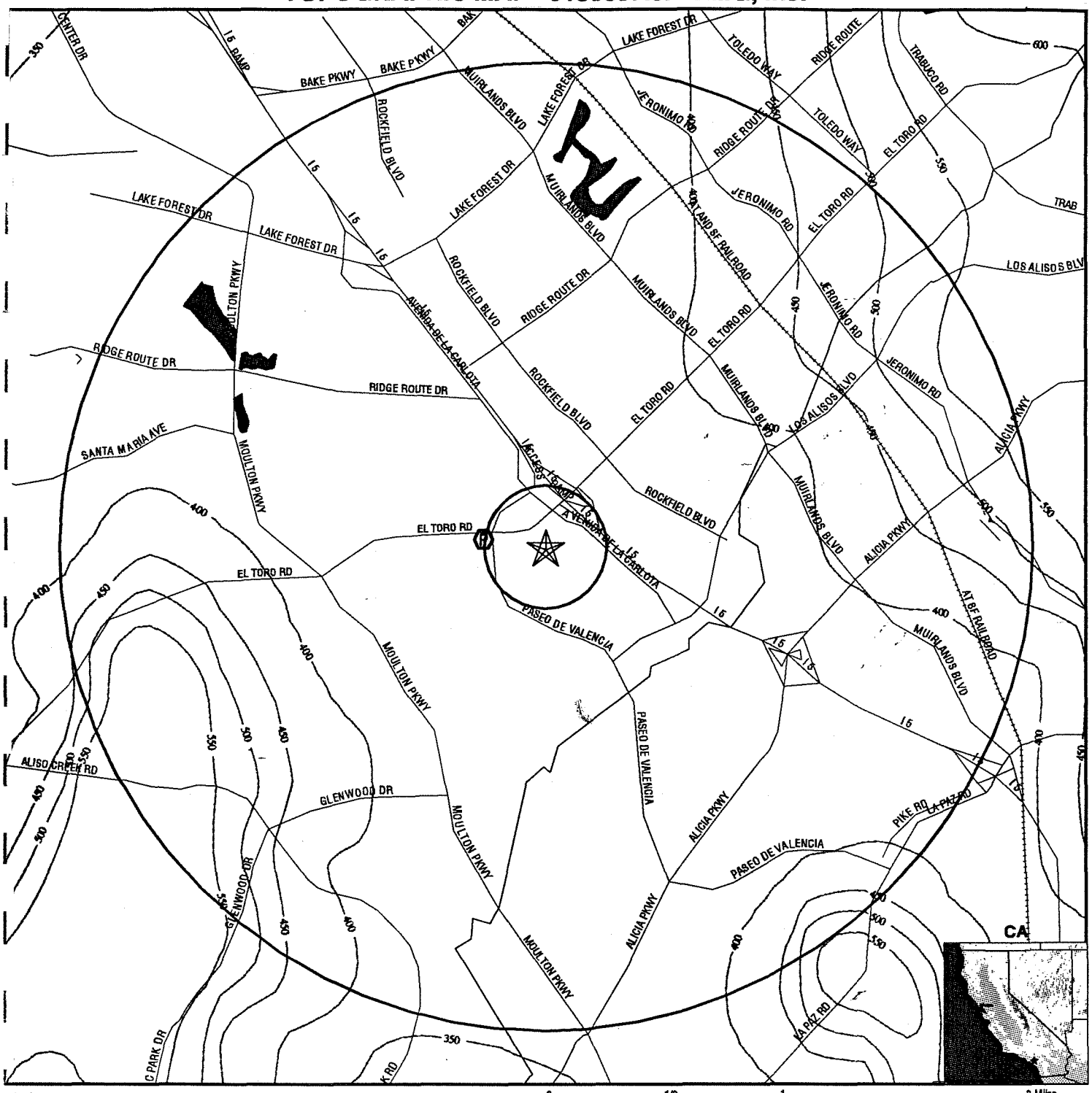
Regulatory Agency Data Report Findings

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
R & S DUMPING COMPOST FACILITY	SWIS
CAPO PARK DISTRICT DEL OBISPO	SWIS
DOW CHEMICAL DUMP	SWIS
UNKNOWN #1	SWIS
ORANGE CITY DUMP #10	SWIS
FOSTER SAND & GRAVEL	SWIS
RECYC	SWIS
SCOTTS COMPANY	SWIS
SOUTH STREET/ANAHEIM	SWIS
PARKER BROTHERS DUMP	SWIS,WMUDS
VIEJO LEASING INC	UST
F H P LAGUNA HILLS MEDICAL	HAZNET
F H P LAGUNA HILLS MEDICAL	RCRIS-SQG,HAZNET
LAGUNA AUTO COLLISION	HAZNET
HENRY E BRUCE MD INC	HAZNET
HENRY E BRUCE MD INC	HAZNET
LAGUNA HILLS AUTOBODY & PAINT	HAZNET
BHC DEVELOPMENT	HAZNET
BHC CVS RESEARCH & DEVELOPMENT	HAZNET
COLOR DIGIT	HAZNET
CROWN CLEANERS	RCRIS-SQG,RCRIS-LQG
CALMAT CO EL TORO	RCRIS-SQG
FORD CLEANERS OF LAGUNA HILLS	RCRIS-SQG
LA PAZ @ ALISO HILLS	ERNS
HOME FEDERAL BANK PROPERTY	Indus Site
LAGUNA HILLS SHOPPING CENTER	Indus Site

TOPOGRAPHIC MAP - 0189857.6r - EMG, Inc.



- Major Roads
- Contour Lines
- Waterways
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Closest Federal Well in quadrant
- Closest State Well in quadrant
- Closest Public Water Supply Well

HD Closest Hydrogeological Data

TARGET PROPERTY:	Laguna Hills Mall	CUSTOMER:	EMG, Inc.
ADDRESS:	24155 Laguna Hills Mall,Ste900	CONTACT:	Ms. Suzanne Ragon
CITY/STATE/ZIP:	Laguna Hills CA 92653	INQUIRY #:	0189857.6r
LAT/LONG:	33.6120 / 117.7072	DATE:	August 05, 1997 10:32 am

GEOCHECK VERSION 2.1
SUMMARY

GEOLOGIC AGE IDENTIFICATION†

Geologic Code:	Tm
Era:	Cenozoic
System:	Tertiary
Series:	Miocene

ROCK STRATIGRAPHIC UNIT†

Category:	Stratified Sequence

GROUNDWATER FLOW INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, including well data collected on nearby properties, regional groundwater flow information (from deep aquifers), or surface topography.‡

General Topographic Gradient: General NNE
General Hydrogeologic Gradient: No hydrogeologic data available.
Site-Specific Hydrogeological Data*:
Search Radius: 2.0 miles
Status: Not found

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2433117-E6 SAN JUAN CAPISTRANO, CA

FEDERAL DATABASE WELL INFORMATION

WELL QUADRANT	DISTANCE FROM TP	LITHOLOGY	DEPTH TO WATER TABLE
NO WELLS FOUND			

STATE DATABASE WELL INFORMATION

WELL QUADRANT	DISTANCE FROM TP
Northern	>2 Miles

PUBLIC WATER SUPPLY SYSTEM INFORMATION (EPA-FRDS)

Searched by Nearest Well.
NOTE: PWS System location is not always the same as well location.

PWS Name: CALICO LAKES HOMEOWNERS ASSOC
CALICO LK HOMEOWNERS'
005TH
T09N, CA 94234
Location Relative to TP: 1/4 - 1/2 Mile West
Well currently has or has had major violation(s): Yes

† Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).
‡ U.S. EPA Ground Water Handbook, Vol I: Ground Water and Contamination, Office of Research and development EPA/625/6-90/016a,Chapter 4, page 78, September 1990.

GEOCHECK VERSION 2.1
SUMMARY

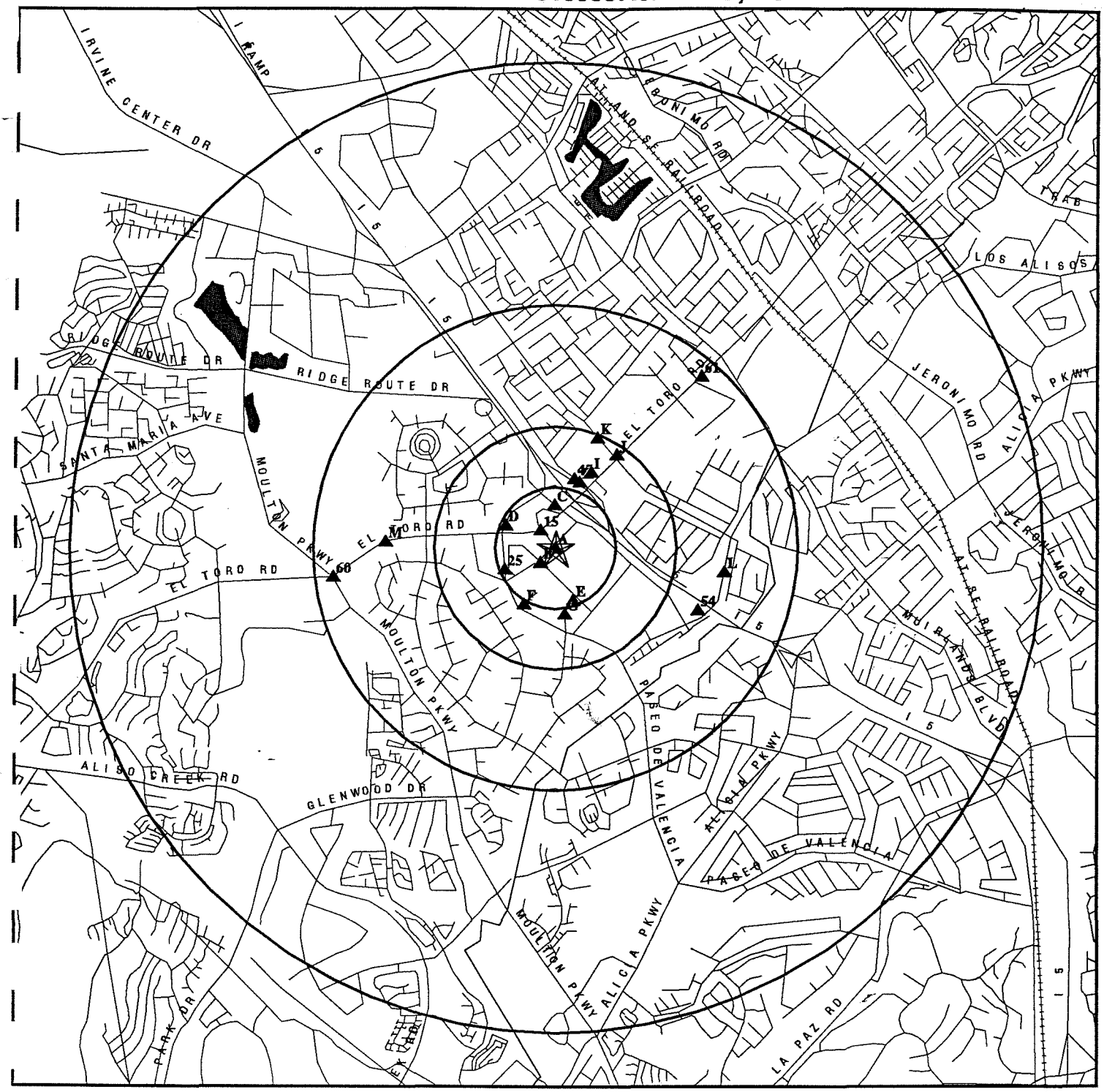
AREA RADON INFORMATION

Zip Code: 92653

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.200 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

OVERVIEW MAP - 0189857.6r - EMG, Inc.



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

Coal Gasification Sites (if requested)

National Priority List Sites

Landfill Sites

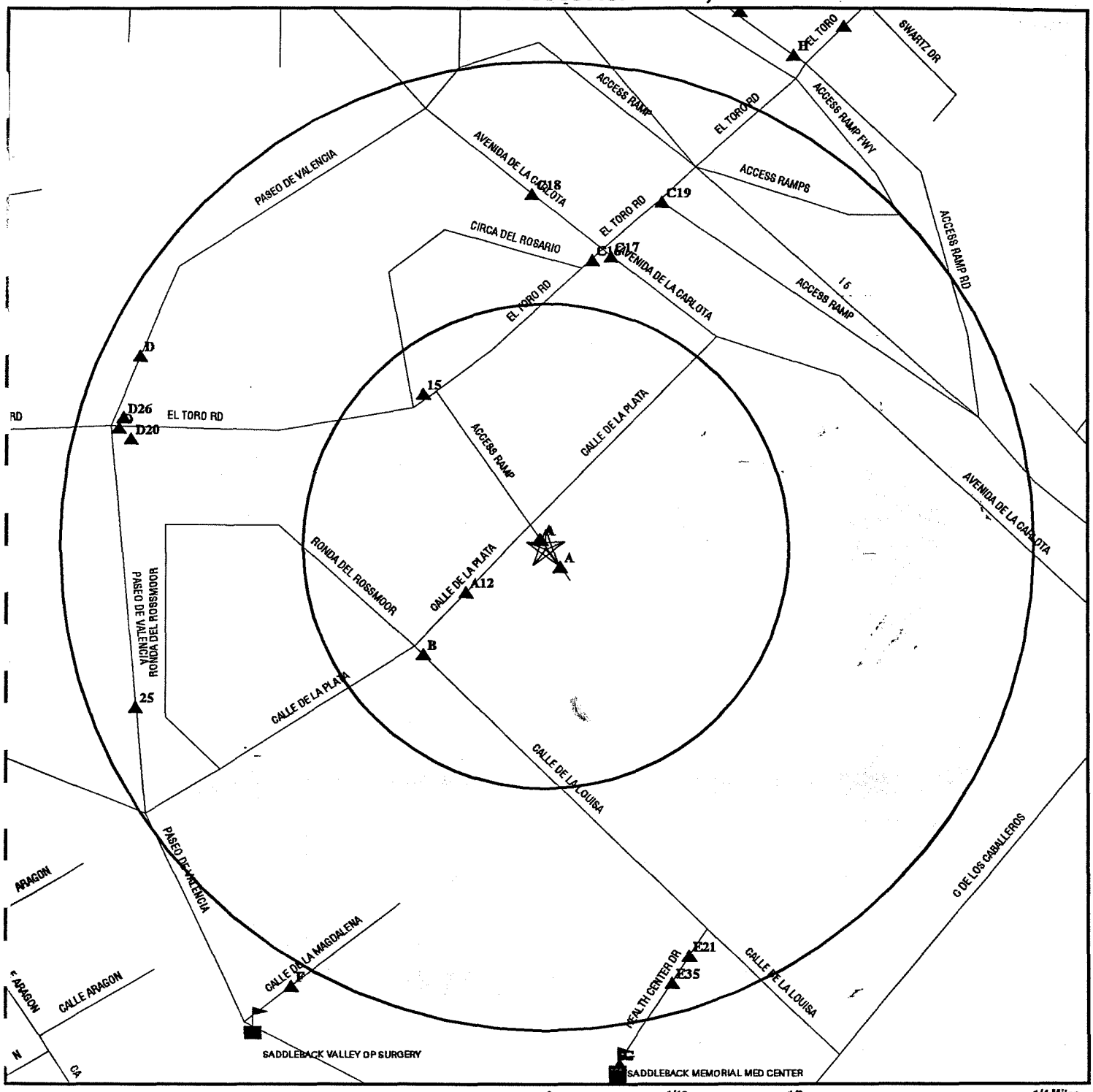
0 1/2 1 2 Miles

Power transmission lines

Oil & Gas pipelines

TARGET PROPERTY:	Laguna Hills Mall	CUSTOMER:	EMG, Inc.
ADDRESS:	24155 Laguna Hills Mall,Ste900	CONTACT:	Ms. Suzanne Ragon
CITY/STATE/ZIP:	Laguna Hills CA 92653	INQUIRY #:	0189857.6r
LAT/LONG:	33.6120 / 117.7072	DATE:	August 05, 1997 10:26 am

DETAIL MAP - 0189857.6r - EMG, Inc.



0 1/16 1/8 1/4 Miles

★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

Coal Gasification Sites (if requested)

Sensitive Receptors

National Priority List Sites

Landfill Sites

Power transmission lines

Oil & Gas pipelines

TARGET PROPERTY:	Laguna Hills Mall	CUSTOMER:	EMG, Inc.
ADDRESS:	24155 Laguna Hills Mall,Ste900	CONTACT:	Ms. Suzanne Ragon
CITY/STATE/ZIP:	Laguna Hills CA 92653	INQUIRY #:	0189857.6r
LAT/LONG:	33.6120 / 117.7072	DATE:	August 05, 1997 10:29 am

MAP FINDINGS SUMMARY SHOWING ALL SITES

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.250	0	0	0	0	0	0
Delisted NPL		1.250	0	0	0	0	0	0
RCRIS-TSD		1.250	0	0	0	0	0	0
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	0	0	NR	0
Delisted Cal-Sites		TP	NR	NR	NR	NR	NR	0
Notify 65		1.000	0	0	0	1	NR	1
CHMIRS		1.000	0	0	0	0	NR	0
Cortese		1.000	0	5	3	5	NR	13
Toxic Pits		1.000	0	0	0	0	NR	0
CERCLIS		0.750	0	0	0	0	NR	0
CERC-NFRAP		0.750	0	0	0	0	NR	0
CORRACTS		0.500	0	0	0	NR	NR	0
St. Landfill (SWIS)		0.750	0	0	0	0	NR	0
LUST		0.750	1	6	4	3	NR	14
UST		0.500	3	5	8	NR	NR	16
CA FID		0.250	1	2	NR	NR	NR	3
AST		0.500	0	0	0	NR	NR	0
RAATS		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
HAZNET	X	0.250	11	1	NR	NR	NR	12
RCRIS Sm. Quan. Gen.		0.500	4	2	5	NR	NR	11
RCRIS Lg. Quan. Gen.		0.500	1	0	1	NR	NR	2
HMIRS		0.250	0	0	NR	NR	NR	0
ERNS		0.250	0	2	NR	NR	NR	2
NPL Liens		1.250	0	0	0	0	0	0
Industrial Site		0.250	0	0	NR	NR	NR	0
CA SLIC		0.500	0	1	0	NR	NR	1
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
ROD		0.250	0	0	NR	NR	NR	0
CONSENT		0.250	0	0	NR	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
South Bay Region 2		TP	NR	NR	NR	NR	NR	0
Coal Gas		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

MAP FINDINGS SUMMARY SHOWING ONLY SITES HIGHER THAN OR THE SAME ELEVATION AS TP

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.250	0	0	0	0	0	0
Delisted NPL		1.250	0	0	0	0	0	0
RCRIS-TSD		1.250	0	0	0	0	0	0
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	0	0	NR	0
Delisted Cal-Sites		TP	NR	NR	NR	NR	NR	0
Notify 65		1.000	0	0	0	1	NR	1
CHMIRS		1.000	0	0	0	0	NR	0
Cortese		1.000	0	5	3	5	NR	13
Toxic Pits		1.000	0	0	0	0	NR	0
CERCLIS		0.750	0	0	0	0	NR	0
CERC-NFRAP		0.750	0	0	0	0	NR	0
CORRACTS		0.500	0	0	0	NR	NR	0
St. Landfill (SWIS)		0.750	0	0	0	0	NR	0
LUST		0.750	1	6	4	3	NR	14
UST		0.500	3	5	8	NR	NR	16
CA FID		0.250	1	2	NR	NR	NR	3
AST		0.500	0	0	0	NR	NR	0
RAATS		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
HAZNET	X	0.250	11	1	NR	NR	NR	12
RCRIS Sm. Quan. Gen.		0.500	4	2	5	NR	NR	11
RCRIS Lg. Quan. Gen.		0.500	1	0	1	NR	NR	2
HMIRS		0.250	0	0	NR	NR	NR	0
ERNS		0.250	0	2	NR	NR	NR	2
NPL Liens		1.250	0	0	0	0	0	0
Industrial Site		0.250	0	0	NR	NR	NR	0
CA SLIC		0.500	0	1	0	NR	NR	1
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
ROD		0.250	0	0	NR	NR	NR	0
CONSENT		0.250	0	0	NR	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
South Bay Region 2		TP	NR	NR	NR	NR	NR	0
Coal Gas		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

A1 Target Property	1X O'CONNOR MANAGEMENT INC 24155 LAGUNA HILLS MALL LAGUNA, CA	HAZNET	S100852021 N/A

A2 SSE < 1/8 Higher	FIRESTONE STORE #27FF 24196 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653	HAZNET	S100935304 N/A

A3 SSE < 1/8 Higher	FIRESTONE STORE #27FF 24196 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653	Ca. FID HAZNET UST	1000222921 CAD981976756

FID:

Facility ID:	30007371	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(714) 581-4700
Mail To:	Not reported 1200 FIRESTONE PKY LAGUNA HILLS, CA 92653		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

State UST:

Facility ID:	31872		
Tank Num:	1	Container Num:	1
Tank Capacity:	500	Year Installed:	1975
Tank Used for:	WASTE		
Type of Fuel:	WASTE OIL	Tank Constrctn:	Not reported
Leak Detection:	None		
Contact Name:	CARL PETERSEN	Telephone:	(714) 581-4700
Total Tanks:	1	Region:	Not reported
Facility Type:	2	Other Type:	AUTO SERVICE CENTER

A4 SE < 1/8 Higher	TIME O MAX 1 HOUR PHOTO 24199 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653	RCRIS-SQG	1000197785 CAD982035255

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
	TIME O MAX 1 HOUR PHOTO (Continued)		**1000197785**

RCRIS:
Owner: PHILLIP SHIN
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(714) 380-9732

Record Date: 09/18/87

Classification: Small Quantity Generator

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1993

Waste Quantity (Lbs)

Used Oil Recyc: No

Violation Status: No violations found

A5 SE < 1/8 Higher	**TIME-O-MAX 1 HR PHOTO 24199 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653**	**RCRIS-SQG**	**1000199764 CAD981453343**

RCRIS:
Owner: PHILLIP SHIN
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(714) 380-9732

Record Date: 03/18/86

Classification: Small Quantity Generator

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1993

Waste Quantity (Lbs)

Used Oil Recyc: No

Violation Status: No violations found

A6 NNW < 1/8 Higher	**THE SHOE EMPORIUM 24105 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653**	**HAZNET**	**S100875810 N/A**

A7 NW < 1/8 Higher	**BROADWAY TIRE CENTER #9377 24099 LAGUNA HILL MALL LAGUNA HILLS, CA 92653**	**UST**	**U001577398 N/A**

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
	BROADWAY TIRE CENTER #9377 (Continued)		**U001577398**

State UST:

Facility ID:	8237		
Tank Num:	1	Container Num:	#1
Tank Capacity:	100	Year Installed:	Not reported
Tank Used for:	WASTE		
Type of Fuel:	WASTE OIL	Tank Constrctn:	Not reported
Leak Detection:	Visual		
Contact Name:	GREG LINN	Telephone:	(714) 586-7630
Total Tanks:	1	Region:	Not reported
Facility Type:	2	Other Type:	RETAIL TIRE & SERVIC

A8 NW < 1/8 Higher	**BROADWAY THE LAGUNA HILLS 24100 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653**	**HAZNET**	**1000145749 CAD982026882**

HAZNET:

Waste Category:	Paint sludge	
Tons:	20	Handling method: Transfer Station
Waste Category:	Waste oil and mixed oil	
Tons:	28	Handling method: Recycler

A9 NW < 1/8 Higher	**1X GOODYEAR AUTO SERVICE CTR #9377 24099 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653**	**HAZNET**	**S100926698 N/A**

A10 SE < 1/8 Higher	**SEARS- LAGUNA HILLS 24300 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653**	**HAZNET**	**S100873679 N/A**

A11 SE < 1/8 Higher	**SEARS- LAGUNA HILLS 24300 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653**	**RCRIS-SQG HAZNET RCRIS-LQG UST**	**1000369398 CAD126622760**

RCRIS:

Owner:	SEARS (415) 555-1212
Contact:	ENVIRONMENTAL MANAGER (818) 576-4301
Record Date:	10/09/85
Classification:	Large Quantity Generator, Small Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1993

Waste	Quantity (Lbs)

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number

SEARS- LAGUNA HILLS (Continued) **1000369398**

Used Oil Recyc: No

Violation Status: No violations found

HAZNET:

Waste Category: Unspecified Aqueous solution
Tons: 62 Handling method: Transfer Station
Waste Category: Waste oil and mixed oil
Tons: 243 Handling method: Transfer Station
Waste Category: Paint sludge
Tons: 47 Handling method: Landfill

State UST:

Facility ID:	21555		
Tank Num:	1	Container Num:	1
Tank Capacity:	0	Year Installed:	1973
Tank Used for:	WASTE		
Type of Fuel:	WASTE OIL	Tank Constrctn:	Not reported
Leak Detection:	None		
Contact Name:	JOHN REESE	Telephone:	(714) 586-1100
Total Tanks:	1	Region:	Not reported
Facility Type:	2	Other Type:	RETAIL SALES

A12 WSW < 1/8 Higher — **MRI CENTERS OF LAGUNA HILLS**, **24022 CALLE DE LA PLATA #150**, **LAGUNA HILLS, CA 92653** — **HAZNET** — **S100940459**, **N/A**

B13 SW < 1/8 Higher — **LAGUNA HILLS CLEANERS**, **23521 CALLE DE LOUISA**, **LAGUNA HILLS, CA** — **HAZNET** — **S100938611**, **N/A**

B14 SW < 1/8 Higher — **LAGUNA HILLS CLEANERS**, **23521 CALLE DE LOUISA**, **LAGUNA HILLS, CA 92653** — **RCRIS-SQG**, **HAZNET** — **1000426397**, **CAD981641152**

RCRIS:

Owner: CHUN KIM AND TERRI KIM
(714) 837-0840

Contact: ENVIRONMENTAL MANAGER
(714) 837-0840

Record Date: 11/23/92

Classification: Small Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1993

Waste	Quantity (Lbs)

The EDR-Radius Map
Report with GeoCheck™

Prepared for EMG

Project #: 30322012.97B

Laguna Hills Mall
24155 Laguna Hills Mall,Ste900
Laguna Hills, CA 92653

Inquiry Number: 0189857.6r

August 05, 1997

edr
e data resources, inc.

***The* Source For Environmental Risk Management Data**

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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Government Records Searched / Data Currency Tracking Addendum	A3

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-97. Search distances are per ASTM standard or custom distances requested by the user.

The address of the subject property for which the search was intended is:

24155 LAGUNA HILLS MALL,STE900
LAGUNA HILLS, CA 92653

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the subject property or within the ASTM E 1527-97 search radius around the subject property for the following Databases:

NPL:..... National Priority List
Delisted NPL:..... NPL Deletions
RCRIS-TSD:..... Resource Conservation and Recovery Information System
AWP:..... Annual Workplan
Cal-Sites:..... Calsites
Del. Cal-Sites:..... Calsites
CHMIRS:..... California Hazardous Material Incident Report System
Toxic Pits:..... Toxic Pits
CERCLIS:..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP:..... Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS:..... Corrective Action Report
SWIS:..... Solid Waste Information System
AST:..... Aboveground Petroleum Storage Tank Facilities
RAATS:..... RCRA Administrative Action Tracking System
WMUDS:..... Waste Management Unit Database
HMIRS:..... Hazardous Materials Information Reporting System
NPL Lien:..... Federal Superfund Liens
Indus Site:..... List of Industrial Site Cleanups
Ca. BEP:..... Bond Expenditure Plan
ROD:..... Records Of Decision
CONSENT:..... Superfund (CERCLA) Consent Decrees
Ca. WDS:..... Waste Discharge System
S Bay Reg. 2:..... South Bay Site Management System
Coal Gas:..... Former Manufactured gas (Coal Gas) Sites.

Unmapped (orphan) sites are not considered in the foregoing analysis.

Search Results:

Search results for the subject property and the search radius, are listed below:

Subject Property:

The subject property was identified in the following government records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
1X O'CONNOR MANAGEMENT INC 24155 LAGUNA HILLS MALL LAGUNA, CA	HAZNET	N/A

EXECUTIVE SUMMARY

Surrounding Properties:

Elevations have been determined from the USGS 1 degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the subject property includes a tolerance of -10 feet. Sites with an elevation equal to or higher than the subject property have been differentiated below from sites with an elevation lower than the subject property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

NOTIFY 65: Notify 65 records contain facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. The data comes from the State Water Resources Control Board's Proposition 65 database.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there is 1 Notify 65 site within approximately 1 Mile of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
LOS ALISOS & SANTA ANA PKWY		1/2 - 1 ESE	54	29

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, and dated 12/31/1994 has revealed that there are 13 Cortese sites within approximately 1 Mile of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
WRIGHT PETROLEUM	***EL TORO RD (23991)***	***1/8 - 1/4 N***	***C16***	***13***
HOME FEDERAL SAVINGS AND LOAN	***AVENIDA DE LA CARLOT (2***	***1/8 - 1/4 N***	***C18***	***15***
CHEVRON SERVICE STATION #9384	EL TORO RD (24081)	1/8 - 1/4 WNW	D20	15
UNOCAL SERVICE STATION #5408	***EL TORO RD (24082)***	***1/8 - 1/4 WNW***	***D27***	***18***
ORANGE CO. FIRE STATION # 22	***PASEO DE VALENCIA (2400***	***1/8 - 1/4 WNW***	***D32***	***20***
CHEVRON SERVICE STATION #0141	***BRIDGER RD (23891)***	***1/4 - 1/2 NNE***	***H44***	***24***
EXXON SERVICE STATION #3851	EL TORO RD (23852)	1/4 - 1/2 NNE	I47	26
TEXACO SERVICE STATION	***ROCKFIELD (23652)***	***1/4 - 1/2 NNE***	***J50***	***28***
EL TORO WATER DISTRICT	LOS ALISOS BLVD (24251)	1/2 - 1 E	L55	29
UNOCAL SERVICE STATION #4966	EL TORO RD (24201)	1/2 - 1 W	M57	30
UNOCAL SERVICE STATION #4966	***EL TORO RD (24201)***	***1/2 - 1 W***	***M59***	***31***
MOBIL SERVICE STATION #18-HKF	***EL TORO RD (24362)***	***1/2 - 1 W***	***60***	***32***
ARCO SERVICE STATION #3013	***EL TORO RD (23742)***	***1/2 - 1 NE***	***61***	***32***

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data comes from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 04/01/1997 has revealed that there are 14 LUST sites within approximately 0.75 Miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
AMERICAN SAVINGS BANK	*24085 EL TORO RD*	*0 - 1/8 NW*	*15*	*13*

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
WRIGHT PETROLEUM	***EL TORO RD (23991)***	***1/8 - 1/4 N***	***C16***	***13***
CAROLOTA PLAZA PROPERTY	24012 AVENEDA DE LA CAR	1/8 - 1/4 NNE	C17	14
HOME FEDERAL SAVINGS AND LOAN	***AVENIDA DE LA CARLOT (2***	***1/8 - 1/4 N***	***C18***	***15***
UNOCAL SERVICE STATION #5408	***EL TORO RD (24082)***	***1/8 - 1/4 WNW***	***D27***	***18***
ORANGE CO. FIRE STATION # 22	***PASEO DE VALENCIA (2400***	***1/8 - 1/4 WNW***	***D32***	***20***
ORANGE COUNTY FIRE STATION #22	24001 PASEO DE VALENCIA	1/8 - 1/4 WNW	D34	20
CHEVERON U S A	23891 BRIDGER RD	1/4 - 1/2 NNE	H42	24
CHEVRON SERVICE STATION #0141	23891 BRIDGER ROAD	1/4 - 1/2 NNE	H43	24
CHEVRON SERVICE STATION #0141	***BRIDGER RD (23891)***	***1/4 - 1/2 NNE***	***H44***	***24***
TEXACO SERVICE STATION	***ROCKFIELD (23652)***	***1/4 - 1/2 NNE***	***J50***	***28***
EL TORO WATER DISTRICT	***24251 LOS ALISOS BLVD***	***1/2 - 1 E***	***L56***	***29***
UNOCAL	24201 EL TORO RD	1/2 - 1 W	M58	31
UNOCAL SERVICE STATION #4966	***EL TORO RD (24201)***	***1/2 - 1 W***	***M59***	***31***

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data comes from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 16 UST sites within approximately 0.5 Miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
FIRESTONE STORE #27FF	***24196 LAGUNA HILLS MALL***	***0 - 1/8 SSE***	***A3***	***9***
BROADWAY TIRE CENTER #9377	24099 LAGUNA HILL MALL	0 - 1/8 NW	A7	10
SEARS- LAGUNA HILLS	***24300 LAGUNA HILLS MALL***	***0 - 1/8 SE***	***A11***	***11***
UNION OIL SERV. STATION #5408	24082 EL TORO ROAD	1/8 - 1/4 WNW	D22	16
STATION #5408	24082 EL TORO ROAD	1/8 - 1/4 WNW	D23	16
99384	24081 EL TORO RD	1/8 - 1/4 WNW	D26	17
OR CO FIRE STATION #22	24001 PASEO DE VALENCIA	1/8 - 1/4 WNW	D28	19
STATION #22	24001 PASEO DE VALENCIA	1/8 - 1/4 WNW	D30	19
SADDLEBACK MEMORIAL MEDICAL CE	24451 HEALTH CENTER DR	1/4 - 1/2 S	G39	22
CHEVRON INC (9-0141)	23891 BRIDGER RD	1/4 - 1/2 NNE	H40	23
90141	23891 BRIDGER RD	1/4 - 1/2 NNE	H41	23
UNION OIL SERVICE STATION	24201 EL TORO RD.	1/4 - 1/2 NNE	H46	25
TEXACO SVC STA	23751 EL TORO RD	1/4 - 1/2 NE	J49	27
GOODYEAR TIRE & RUBBER #9337	24422 ROCKFORD BLVD.	1/4 - 1/2 NNE	K51	28
FIRESTONE STORES OF EL TORO	24421 ROCKFIELD	1/4 - 1/2 NNE	K52	29
FIRESTONE STORE #2724	24421 ROCKFIELD BLVD	1/4 - 1/2 NNE	K53	29

CA FID: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the Ca. FID list, as provided by EDR, and dated 10/31/1994 has revealed that there are 3 Ca. FID sites within approximately 0.25 Miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
FIRESTONE STORE #27FF	***24196 LAGUNA HILLS MALL***	***0 - 1/8 SSE***	***A3***	***9***
UNOCAL #5408	24082 EL TORO RD	1/8 - 1/4 WNW	D24	17
OR CO FIRE STATION #22	24001 PASEO DE VALENCI	1/8 - 1/4 WNW	D31	19

EXECUTIVE SUMMARY

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the HAZNET list, as provided by EDR, and dated 12/31/1995 has revealed that there are 12 HAZNET sites within approximately 0.25 Miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
FIRESTONE STORE #27FF	24196 LAGUNA HILLS MALL	0 - 1/8 SSE	A2	9
FIRESTONE STORE #27FF	***24196 LAGUNA HILLS MALL***	***0 - 1/8 SSE***	***A3***	***9***
THE SHOE EMPORIUM	24105 LAGUNA HILLS MALL	0 - 1/8 NNW	A6	10
BROADWAY THE LAGUNA HILLS	24100 LAGUNA HILLS MALL	0 - 1/8 NW	A8	11
1X GOODYEAR AUTO SERVICE CTR #	24099 LAGUNA HILLS MALL	0 - 1/8 NW	A9	11
SEARS- LAGUNA HILLS	24300 LAGUNA HILLS MALL	0 - 1/8 SE	A10	11
SEARS- LAGUNA HILLS	***24300 LAGUNA HILLS MALL***	***0 - 1/8 SE***	***A11***	***11***
MRI CENTERS OF LAGUNA HILLS	24022 CALLE DE LA PLATA	0 - 1/8 WSW	A12	12
LAGUNA HILLS CLEANERS	23521 CALLE DE LOUISA	0 - 1/8 SW	B13	12
LAGUNA HILLS CLEANERS	***23521 CALLE DE LOUISA***	***0 - 1/8 SW***	***B14***	***12***
AMERICAN SAVINGS BANK	***24085 EL TORO RD***	***0 - 1/8 NW***	***15***	***13***
FIRE STATION #22	24001 PASEO DE VALENCIA	1/8 - 1/4 WNW	D29	19

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 04/01/1997 has revealed that there are 11 RCRIS-SQG sites within approximately 0.5 Miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
TIME O MAX 1 HOUR PHOTO	24199 LAGUNA HILLS MALL	0 - 1/8 SE	A4	9
TIME-O-MAX 1 HR PHOTO	24199 LAGUNA HILLS MALL	0 - 1/8 SE	A5	10
SEARS- LAGUNA HILLS	***24300 LAGUNA HILLS MALL***	***0 - 1/8 SE***	***A11***	***11***
LAGUNA HILLS CLEANERS	***23521 CALLE DE LOUISA***	***0 - 1/8 SW***	***B14***	***12***
SADDLEBACK OUTPATIENT X RAY	24411 HEALTH CTR DR	1/8 - 1/4 SSE	E21	15
SADDLEBACK BREAST CTR	24421 HEALTH CTR DR	1/8 - 1/4 SSE	E35	21
SADDLEBACK CT AND MRI CENTERS	23961 CALLE DE LA MAGDA	1/4 - 1/2 SSW	F36	21
SADDLEBACK VALLEY RADIOLOGY	23961 CALLE DE LA MAGDA	1/4 - 1/2 SSW	F37	22
SADDLEBACK HOSPITAL	***24451 HEALTH CTR DR***	***1/4 - 1/2 S***	***G38***	***22***
JACKS CAMERAS	23811 BRIDGER RD	1/4 - 1/2 NNE	45	25
A TO Z CLEANERS	23803 EL TORO	1/4 - 1/2 NNE	I48	26

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-LQG list, as provided by EDR, and dated 04/01/1997 has revealed that there are 2 RCRIS-LQG sites within approximately 0.5 Miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SEARS- LAGUNA HILLS	***24300 LAGUNA HILLS MALL***	***0 - 1/8 SE***	***A11***	***11***
SADDLEBACK HOSPITAL	***24451 HEALTH CTR DR***	***1/4 - 1/2 S***	***G38***	***22***

EXECUTIVE SUMMARY

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 03/01/1997 has revealed that there are 2 ERNS sites within approximately 0.25 Miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
23971 EL TORO RD	23971 EL TORO RD	1/8 - 1/4 NNE	C19	15
24001 PASEO DE VALENCIA	24001 PASEO DE VALENCIA	1/8 - 1/4 WNW	D33	20

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, has revealed that there is 1 CA SLIC site within approximately 0.5 Miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
VALENCIA SHOPPING CENTER	24191 PASEO DE VALENCIA	1/8 - 1/4 WSW	25	17

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number

LAGUNA HILLS CLEANERS (Continued) **1000426397**

Used Oil Recyc: No

Violation Status: No violations found

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15 NW < 1/8 Higher	**AMERICAN SAVINGS BANK 24085 EL TORO RD LAGUNA HILLS, CA 92653**	**HAZNET LUST**	**S100929448 N/A**

State LUST:

Case Number:	9UT3188	Cross Street:	Not reported
Reg Board:	San Diego Region	Qty Leaked:	Not reported
Chemical:	Not reported		
Lead Agency:	Local Agency		
Case Type:	Other ground water affected		
Status:	Preliminary site assessment workplan submitted		
Review Date:	12/20/1996	Confirm Leak:	03/28/1994
Workplan:	04/15/1994	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	03/28/1994

LUST Region 9:

Case Number:	9UT3188	Release Date:	19940328
Cross Street:	Not reported	Local Agency:	30000
Substance:	NOT REPORTED	Qty Leaked:	Not reported
Date Found:	Not reported	How Found:	Not reported
Date Stopped:	Not reported	How Stopped:	Not reported
Source:	Not reported	Cause:	Not reported
Lead Agency:	L		
Status:	Preliminary site assessment workplan submitted		
Case Type:	Other ground water affected		
Confirm Date:	19940328	Submit Workplan:	19940415
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	Not reported	Closed Date:	Not reported
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	Y	Local Case:	94UT17
Basin Number:	901.11	Gwater Depth:	Not reported
File Dispn:	Administratively opened on database, however no file physically exists		

LUST Region OR:

Employee No:	153		
Facility ID:	94UT17	Clean Date:	Not reported
Case Type:	Ground water		
Status:	Remedial Investigation Phase		
Funding:	Federal Funds		
Chemical:	8006619 - GASOLINE		
Lead Refer:	Local	Lead Agency:	LOCAL

C16 North 1/8-1/4 Higher	**WRIGHT PETROLEUM EL TORO RD (23991) LAGUNA HILLS, CA 92667**	**LUST Cortese**	**S101299823 N/A**

WRIGHT PETROLEUM (Continued) **S101299823**

State LUST:

Case Number:	083000580T	Cross Street:	AVENIDA DE LA CARLOTTA
Reg Board:	Santa Ana Region	Qty Leaked:	Not reported
Chemical:	Diesel		
Lead Agency:	Regional Board		
Case Type:	Aquifer affected		
Status:	Remedial action (cleanup) in progress		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site, Remove Free Product - remove floating product from water table, Pump and Treat Ground Water - generally employed to remove dissolved contaminants, Vapor Extraction		
Review Date:	10/16/1996	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	06/15/1990
Remed Action:	03/12/1990	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	06/13/1986

LUST Region 8:

Facility ID:	083000580T	Cross Street:	AVENIDA DE LA CARLOTTA
Chemical:	Diesel		
Case Type:	A		
Status:	Remedial action (cleanup) in progress		
Lead Agency:	Regional Board		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site, Remove Free Product - remove floating product from water table, Pump and Treat Ground Water - generally employed to remove dissolved contaminants, Vapor Extraction		

CORTESE:
Facility ID: 30-000628 Data Source: LTNKA

C17 NNE 1/8-1/4 Higher **CAROLOTA PLAZA PROPERTY** **LUST** **S102445762**
24012 AVENEDA DE LA CARLOTA **N/A**
LAGUNA HILLS, CA

State LUST:

Case Number:	083002934T	Cross Street:	EL TORO
Reg Board:	Santa Ana Region	Qty Leaked:	Not reported
Chemical:	Gasoline		
Lead Agency:	Regional Board		
Case Type:	Aquifer affected		
Status:	Preliminary site assessment underway		
Review Date:	12/18/1996	Confirm Leak:	07/09/1993
Workplan:	07/09/1993	Prelim Assess:	07/09/1993
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	12/09/1996

LUST Region 8:

Facility ID:	083002934T	Cross Street:	EL TORO
Chemical:	Gasoline		
Case Type:	A		
Status:	Preliminary site assessment underway		
Lead Agency:	Regional Board		

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
C18 North 1/8-1/4 Higher	**HOME FEDERAL SAVINGS AND LOAN AVENIDA DE LA CARLOT (23941) LAGUNA HILLS, CA 92667**	**LUST Cortese**	**S101299820 N/A**

State LUST:

Case Number:	083000799T	Cross Street:	EL TORO
Reg Board:	Santa Ana Region	Qty Leaked:	Not reported
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Aquifer affected		
Status:	Remedial action (cleanup) in progress		
Abate Method:	Pump and Treat Ground Water - generally employed to remove dissolved contaminants		
Review Date:	03/28/1988	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	03/28/1988	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	03/22/1988

LUST Region 8:

Facility ID:	083000799T	Cross Street:	EL TORO
Chemical:	Gasoline		
Case Type:	A		
Status:	Remedial action (cleanup) in progress		
Lead Agency:	Local Agency		
Abate Method:	Pump and Treat Ground Water - generally employed to remove dissolved contaminants		

CORTESE:
Facility ID: 30-000760 Data Source: LTNKA

C19 NNE 1/8-1/4 Higher	**23971 EL TORO RD 23971 EL TORO RD LAGUNA HILLS, CA 92654**	**ERNS**	**8904889 N/A**

D20 WNW 1/8-1/4 Higher	**CHEVRON SERVICE STATION #9384 EL TORO RD (24081) LAGUNA HILLS, CA 92653**	**Cortese**	**S101299824 N/A**

CORTESE:
Facility ID: 30-000488 Data Source: LTNKA

E21 SSE 1/8-1/4 Higher	**SADDLEBACK OUTPATIENT X RAY 24411 HEALTH CTR DR LAGUNA HILLS, CA 92653**	**RCRIS-SQG**	**1000597928 CAD983619636**

SADDLEBACK OUTPATIENT X RAY (Continued) **1000597928**

RCRIS:
Owner: SADDLEBACK MEM MED CTR
(714) 837-4500

Contact: DUANE NIELSON
(714) 770-3573

Record Date: 02/21/92

Classification: Small Quantity Generator

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1993

Waste Quantity (Lbs)

Used Oil Recyc: No

Violation Status: No violations found

D22 WNW 1/8-1/4 Higher | **UNION OIL SERV. STATION #5408** | **UST** | **U001577389**
24082 EL TORO ROAD | **N/A**
LAGUNA HILLS, CA 92651

State UST:

Facility ID:	20047		
Tank Num:	1	Container Num:	5408-34
Tank Capacity:	280	Year Installed:	1965
Tank Used for:	WASTE		
Type of Fuel:	WASTE OIL	Tank Constrctn:	Not reported
Leak Detection:	None		
Contact Name:	GILBERT ORR	Telephone:	(714) 837-2361
Total Tanks:	3	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

Facility ID:	20047		
Tank Num:	2	Container Num:	5408-22
Tank Capacity:	10000	Year Installed:	1965
Tank Used for:	PRODUCT		
Type of Fuel:	PREMIUM	Tank Constrctn:	Not reported
Leak Detection:	Stock Inventor		
Contact Name:	GILBERT ORR	Telephone:	(714) 837-2361
Total Tanks:	3	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

Facility ID:	20047		
Tank Num:	3	Container Num:	5408-11
Tank Capacity:	10000	Year Installed:	1965
Tank Used for:	PRODUCT		
Type of Fuel:	UNLEADED	Tank Constrctn:	Not reported
Leak Detection:	Stock Inventor		
Contact Name:	GILBERT ORR	Telephone:	(714) 837-2361
Total Tanks:	3	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

D23 WNW 1/8-1/4 Higher | **STATION #5408** | **UST** | **U001577386**
24082 EL TORO ROAD | **N/A**
LAGUNA HILLS, CA 92651

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number

STATION #5408 (Continued) **U001577386**

State UST:

Facility ID:	43709		
Tank Num:	1	Container Num:	5408-00
Tank Capacity:	0	Year Installed:	1965
Tank Used for:	WASTE		
Type of Fuel:	Not Reported	Tank Constrctn:	6 inches
Leak Detection:	Visual		
Contact Name:	GILBERT N. ORR	Telephone:	(714) 837-2361
Total Tanks:	1	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

D24 WNW 1/8-1/4 Higher	**UNOCAL #5408 24082 EL TORO RD LAGUNA HILLS, CA 92653**	**Ca. FID**	**S101631407 N/A**

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25 WSW 1/8-1/4 Higher	**VALENCIA SHOPPING CENTER 24191 PASEO DE VALENCIA LAGUNA HILLS, CA**	**CA SLIC**	**S101854123 N/A**

SLIC Region 8:

Substance:	PCE	Type:	Soil and Groundwater
Region:	8	Cross Street:	Not reported
Program:	Not reported	CAO Number:	Not reported
ACL Number:	Not reported	Permit Number:	Not reported
Facility Status:	Closed		
Staff:	Augustine Anijielo, Tel 909-782-3292, SLIC		
Lead Agency:	Regional Board		
Comments:	SITE ASSESSMENT REPORT BEING REVIEWED 6/92		

D26 WNW 1/8-1/4 Higher	**99384 24081 EL TORO RD LAGUNA HILLS, CA 92653**	**UST**	**U001577397 N/A**

State UST:

Facility ID:	63203		
Tank Num:	1	Container Num:	1
Tank Capacity:	9000	Year Installed:	1965
Tank Used for:	PRODUCT		
Type of Fuel:	Not Reported	Tank Constrctn:	0000250 unknown
Leak Detection:	Stock Inventor		
Contact Name:	RASH,WILLIAM A	Telephone:	(714) 837-3370
Total Tanks:	4	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

99384 (Continued) **U001577397**

Facility ID:	63203		
Tank Num:	2	Container Num:	2
Tank Capacity:	8000	Year Installed:	1965
Tank Used for:	PRODUCT		
Type of Fuel:	Not Reported	Tank Constrctn:	0000250 unknown
Leak Detection:	Stock Inventor		
Contact Name:	RASH,WILLIAM A	Telephone:	(714) 837-3370
Total Tanks:	4	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

Facility ID:	63203		
Tank Num:	3	Container Num:	3
Tank Capacity:	4000	Year Installed:	1965
Tank Used for:	PRODUCT		
Type of Fuel:	Not Reported	Tank Constrctn:	0000170 unknown
Leak Detection:	Stock Inventor		
Contact Name:	RASH,WILLIAM A	Telephone:	(714) 837-3370
Total Tanks:	4	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

Facility ID:	63203		
Tank Num:	4	Container Num:	4
Tank Capacity:	550	Year Installed:	1965
Tank Used for:	WASTE		
Type of Fuel:	Not Reported	Tank Constrctn:	0000100 unknown
Leak Detection:	Stock Inventor		
Contact Name:	RASH,WILLIAM A	Telephone:	(714) 837-3370
Total Tanks:	4	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

D27 WNW 1/8-1/4 Higher **UNOCAL SERVICE STATION #5408** **LUST** **S101307811**
EL TORO RD (24082) **Cortese** **N/A**
LAGUNA HILLS, CA

State LUST:

Case Number:	083001599T	Cross Street:	PASEO DE VALENCIA
Reg Board:	Santa Ana Region	Qty Leaked:	Not reported
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Aquifer affected		
Status:	Remedial action (cleanup) in progress		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site, Vapor Extraction, Remove Free Product - remove floating product from water table		
Review Date:	05/09/1995	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	07/30/1990
Pollution Char:	Not reported	Remed Plan:	09/15/1993
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	06/04/1990

LUST Region 8:

Facility ID:	083001599T	Cross Street:	PASEO DE VALENCIA
Chemical:	Gasoline		
Case Type:	A		
Status:	Remedial action (cleanup) in progress		
Lead Agency:	Local Agency		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site, Vapor Extraction, Remove Free Product - remove floating product from water table		

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
	UNOCAL SERVICE STATION #5408 (Continued)		**S101307811**

CORTESE:
Facility ID: 30-001059 Data Source: LTNKA

D28 WNW 1/8-1/4 Higher	**OR CO FIRE STATION #22 24001 PASEO DE VALENCIA LAGUNA HILLS, CA**	**UST**	**U003148081 N/A**

D29 WNW 1/8-1/4 Higher	**FIRE STATION #22 24001 PASEO DE VALENCIA LAGUNA HILLS, CA 92653**	**HAZNET**	**S100862075 N/A**

D30 WNW 1/8-1/4 Higher	**STATION #22 24001 PASEO DE VALENCIA LAGUNA HILLS, CA 92653**	**UST**	**U001577411 N/A**

State UST:

Facility ID:	27202		
Tank Num:	1	Container Num:	1
Tank Capacity:	2000	Year Installed:	Not reported
Tank Used for:	PRODUCT		
Type of Fuel:	UNLEADED	Tank Constrctn:	Not reported
Leak Detection:	Visual, Stock Inventor		
Contact Name:	CAPTS. FURST, BALDRIDGE, PAWLO	Telephone:	(714) 837-5471
Total Tanks:	2	Region:	Not reported
Facility Type:	2	Other Type:	FIRE DEPARTMENT

Facility ID:	27202		
Tank Num:	2	Container Num:	2
Tank Capacity:	1000	Year Installed:	Not reported
Tank Used for:	PRODUCT		
Type of Fuel:	DIESEL	Tank Constrctn:	Not reported
Leak Detection:	Visual, Stock Inventor		
Contact Name:	CAPTS. FURST, BALDRIDGE, PAWLO	Telephone:	(714) 837-5471
Total Tanks:	2	Region:	Not reported
Facility Type:	2	Other Type:	FIRE DEPARTMENT

UST Orange County:
Region: Orange County

D31 WNW 1/8-1/4 Higher	**OR CO FIRE STATION #22 24001 PASEO DE VALENCIA LAGUNA HILLS, CA 92653**	**Ca. FID**	**U002096242 N/A**

OR CO FIRE STATION #22 (Continued) **U002096242**

FID:

Facility ID:	30007979	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(714) 837-5471
Mail To:	Not reported 180 S WATER ST LAGUNA HILLS, CA 92653		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

D32 WNW 1/8-1/4 Higher | **ORANGE CO. FIRE STATION # 22**
PASEO DE VALENCIA (24001)
LAGUNA HILLS, CA 92653 | **LUST Cortese** | **S101299826 N/A**

State LUST:

Case Number:	083002314T	Cross Street:	EL TORO
Reg Board:	Santa Ana Region	Qty Leaked:	Not reported
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Soil only		
Status:	Preliminary site assessment workplan submitted		
Review Date:	09/17/1993	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	08/03/1993

LUST Region 8:

Facility ID:	083002314T	Cross Street:	EL TORO
Chemical:	Gasoline		
Case Type:	Spill		
Status:	Preliminary site assessment workplan submitted		
Lead Agency:	Local Agency		

CORTESE:

Facility ID: 30-007979 Data Source: LTNKA

D33 WNW 1/8-1/4 Higher | **24001 PASEO DE VALENCIA**
24001 PASEO DE VALENCIA
LAGUNA HILLS, CA 92653 | **ERNS** | **9009228 N/A**

D34 WNW 1/8-1/4 Higher | **ORANGE COUNTY FIRE STATION #22**
24001 PASEO DE VALENCIA
LAGUNA HILLS, CA 92653 | **LUST** | **S102434707 N/A**

ORANGE COUNTY FIRE STATION #22 (Continued) **S102434707**

LUST Region OR:

Employee No:	153		
Facility ID:	93UT62	Clean Date:	Not reported
Case Type:	Soil only		
Status:	Preliminary Assessment		
Funding:	Federal Funds		
Chemical:	12034 - DIESEL		
Lead Refer:	Local	Lead Agency:	LOCAL

Employee No:	153		
Facility ID:	93UT62	Clean Date:	Not reported
Case Type:	Soil only		
Status:	Preliminary Assessment		
Funding:	Federal Funds		
Chemical:	8006619 - GASOLINE		
Lead Refer:	Local	Lead Agency:	LOCAL

E35 SSE 1/8-1/4 Higher | **SADDLEBACK BREAST CTR** | **RCRIS-SQG** | **1000597927**
24421 HEALTH CTR DR | **CAD983619628**
LAGUNA HILLS, CA 92653

RCRIS:

Owner: SADDLEBACK MEM MED CTR
(714) 437-8500

Contact: ARDELL LOEBMANN
(714) 472-7200

Record Date: 02/21/92

Classification: Small Quantity Generator

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1993

Waste Quantity (Lbs)

Used Oil Recyc: No

Violation Status: No violations found

F36 SSW 1/4-1/2 Higher | **SADDLEBACK CT AND MRI CENTERS** | **RCRIS-SQG** | **1000597812**
23961 CALLE DE LA MAGDALENA.STE 243 | **CAD983618430**
LAGUNA HILLS, CA 92653

RCRIS:

Owner: SADDLEBACK C T CTR
(714) 770-3977

Contact: CAROLYN TURNER
(714) 770-3977

Record Date: 02/05/92

Classification: Small Quantity Generator

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1993

Waste Quantity (Lbs)

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
	SADDLEBACK CT AND MRI CENTERS (Continued)		**1000597812**

Used Oil Recyc: No

Violation Status: No violations found

F37 SSW 1/4-1/2 Higher	**SADDLEBACK VALLEY RADIOLOGY 23961 CALLE DE LA MAGDALENA LAGUNA HILLS, CA 92653**	**RCRIS-SQG**	**1000597802 CAD983618323**

RCRIS:

Owner: SADDLEBACK VALLEY RAD TECH SERV (714) 855-4301

Contact: SHIRLEY TURLEY (714) 855-4301

Record Date: 01/09/95

Classification: Small Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1993

Waste Quantity (Lbs)

Used Oil Recyc: No

Violation Status: No violations found

G38 South 1/4-1/2 Higher	**SADDLEBACK HOSPITAL 24451 HEALTH CTR DR LAGUNA HILLS, CA 92653**	**RCRIS-SQG RCRIS-LQG**	**1000190046 CAD981370265**

RCRIS:

Owner: MEMORIAL HEALTH SERV (415) 555-1212

Contact: ENVIRONMENTAL MANAGER (714) 770-3953

Record Date: 01/31/86

Classification: Large Quantity Generator, Small Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1993

Waste Quantity (Lbs)

Used Oil Recyc: No

Violation Status: No violations found

G39 South 1/4-1/2 Higher	**SADDLEBACK MEMORIAL MEDICAL CENTER 24451 HEALTH CENTER DR LAGUNA HILLS, CA**	**UST**	**U003148214 N/A**

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
H40 NNE 1/4-1/2 Higher	**CHEVRON INC (9-0141) 23891 BRIDGER RD LAKE FOREST, CA**	**UST**	**U003147814 N/A**
H41 NNE 1/4-1/2 Higher	**90141 23891 BRIDGER RD EL TORO, CA 92630**	**UST**	**U001576927 N/A**

State UST:

Facility ID:	61733		
Tank Num:	1	Container Num:	1
Tank Capacity:	10000	Year Installed:	1970
Tank Used for:	PRODUCT		
Type of Fuel:	Not Reported	Tank Constrctn:	0000250 unknown
Leak Detection:	Stock Inventor		
Contact Name:	WILLIAMS,DARRELL	Telephone:	(714) 586-7319
Total Tanks:	5	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

Facility ID:	61733		
Tank Num:	2	Container Num:	2
Tank Capacity:	10000	Year Installed:	1970
Tank Used for:	PRODUCT		
Type of Fuel:	Not Reported	Tank Constrctn:	0000250 unknown
Leak Detection:	Stock Inventor		
Contact Name:	WILLIAMS,DARRELL	Telephone:	(714) 586-7319
Total Tanks:	5	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

Facility ID:	61733		
Tank Num:	3	Container Num:	3
Tank Capacity:	10000	Year Installed:	1979
Tank Used for:	PRODUCT		
Type of Fuel:	Not Reported	Tank Constrctn:	0000250 unknown
Leak Detection:	Stock Inventor		
Contact Name:	WILLIAMS,DARRELL	Telephone:	(714) 586-7319
Total Tanks:	5	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

Facility ID:	61733		
Tank Num:	4	Container Num:	4
Tank Capacity:	5000	Year Installed:	1970
Tank Used for:	PRODUCT		
Type of Fuel:	Not Reported	Tank Constrctn:	0000250 unknown
Leak Detection:	Stock Inventor		
Contact Name:	WILLIAMS,DARRELL	Telephone:	(714) 586-7319
Total Tanks:	5	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

90141 (Continued) **U001576927**

Facility ID:	61733		
Tank Num:	5	Container Num:	5
Tank Capacity:	1000	Year Installed:	1970
Tank Used for:	WASTE		
Type of Fuel:	Not Reported	Tank Constrctn:	0000130 unknown
Leak Detection:	Stock Inventor		
Contact Name:	WILLIAMS,DARRELL	Telephone:	(714) 586-7319
Total Tanks:	5	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

H42 NNE 1/4-1/2 Higher — **CHEVERON U S A**, **23891 BRIDGER RD**, **LAKE FOREST, CA 92630** — **LUST** — **S102426570** **N/A**

LUST Region OR:

Employee No:	95		
Facility ID:	90UT102	Clean Date:	19901028
Case Type:	Soil only		
Status:	Determining site status and notify state board		
Funding:	Federal Funds		
Chemical:	12035 - WASTE OIL		
Lead Refer:	Local	Lead Agency:	LOCAL

H43 NNE 1/4-1/2 Higher — **CHEVRON SERVICE STATION #0141**, **23891 BRIDGER ROAD**, **LAKE FOREST, CA 92630** — **LUST** — **S102427580** **N/A**

State LUST:

Case Number:	083001666T	Cross Street:	EL TORO
Reg Board:	Santa Ana Region	Qty Leaked:	Not reported
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Aquifer affected		
Status:	Remedial action (cleanup) in progress		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site, Vapor Extraction		
Review Date:	12/04/1995	Confirm Leak:	07/12/1990
Workplan:	Not reported	Prelim Assess:	08/08/1990
Pollution Char:	11/27/1992	Remed Plan:	Not reported
Remed Action:	08/03/1995	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	09/20/1990

LUST Region 8:

Facility ID:	083001666T	Cross Street:	EL TORO
Chemical:	Gasoline		
Case Type:	A		
Status:	Remedial action (cleanup) in progress		
Lead Agency:	Local Agency		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site, Vapor Extraction		

H44 NNE 1/4-1/2 Higher — **CHEVRON SERVICE STATION #0141**, **BRIDGER RD (23891)**, **EL TORO, CA 92630** — **LUST Cortese** — **S100230505** **N/A**

CHEVRON SERVICE STATION #0141 (Continued) **S100230505**

LUST Region OR:

Employee No:	153		
Facility ID:	90UT201	Clean Date:	Not reported
Case Type:	Ground water		
Status:	Remedial action (cleanup) in progress		
Funding:	Federal Funds		
Chemical:	8006619 - GASOLINE		
Lead Refer:	Local	Lead Agency:	LOCAL

Employee No:	153		
Facility ID:	90UT201	Clean Date:	Not reported
Case Type:	Ground water		
Status:	Remedial action (cleanup) in progress		
Funding:	Federal Funds		
Chemical:	12034 - DIESEL		
Lead Refer:	Local	Lead Agency:	LOCAL

CORTESE:
Facility ID: 30-001081 Data Source: LTNKA

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45 NNE 1/4-1/2 Higher **JACKS CAMERAS** **RCRIS-SQG** **1000272188**
23811 BRIDGER RD **CAD982475220**
EL TORO, CA 92630

RCRIS:

Owner:	JACK H CANNON (415) 555-1212
Contact:	ENVIRONMENTAL MANAGER (714) 586-3331
Record Date:	06/16/88
Classification:	Small Quantity Generator

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1993

Waste Quantity (Lbs)

Used Oil Recyc: No

Violation Status: No violations found

H46 NNE 1/4-1/2 Higher **UNION OIL SERVICE STATION** **UST** **U001576952**
24201 EL TORO RD. **N/A**
EL TORO, CA 92630

UNION OIL SERVICE STATION (Continued) **U001576952**

State UST:

Facility ID:	17879		
Tank Num:	1	Container Num:	4966-33
Tank Capacity:	10000	Year Installed:	1978
Tank Used for:	PRODUCT		
Type of Fuel:	DIESEL	Tank Constrctn:	Not reported
Leak Detection:	Stock Inventor		
Contact Name:	BILL PAGE ENTERPRISES, INC.	Telephone:	(714) 830-1541
Total Tanks:	4	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

Facility ID:	17879		
Tank Num:	2	Container Num:	4966-22
Tank Capacity:	12000	Year Installed:	1983
Tank Used for:	PRODUCT		
Type of Fuel:	PREMIUM	Tank Constrctn:	Not reported
Leak Detection:	Stock Inventor		
Contact Name:	BILL PAGE ENTERPRISES, INC.	Telephone:	(714) 830-1541
Total Tanks:	4	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

Facility ID:	17879		
Tank Num:	3	Container Num:	4966-11
Tank Capacity:	12000	Year Installed:	1983
Tank Used for:	PRODUCT		
Type of Fuel:	UNLEADED	Tank Constrctn:	Not reported
Leak Detection:	Stock Inventor		
Contact Name:	BILL PAGE ENTERPRISES, INC.	Telephone:	(714) 830-1541
Total Tanks:	4	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

Facility ID:	17879		
Tank Num:	4	Container Num:	4966-44
Tank Capacity:	280	Year Installed:	1962
Tank Used for:	WASTE		
Type of Fuel:	WASTE OIL	Tank Constrctn:	Not reported
Leak Detection:	None		
Contact Name:	BILL PAGE ENTERPRISES, INC.	Telephone:	(714) 830-1541
Total Tanks:	4	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

I47 NNE 1/4-1/2 Higher — **EXXON SERVICE STATION #3851**, **EL TORO RD (23852)**, **EL TORO, CA 92630** — **Cortese** — **S101299509** **N/A**

CORTESE:
Facility ID: 30-000930 Data Source: LTNKA

I48 NNE 1/4-1/2 Higher — **A TO Z CLEANERS**, **23803 EL TORO**, **EL TORO, CA 92603** — **RCRIS-SQG** — **1000263449** **CAD981641210**

A TO Z CLEANERS (Continued) **1000263449**

RCRIS:
Owner: FARSAI NASRULLAH
(714) 770-7570

Contact: ENVIRONMENTAL MANAGER
(714) 830-0173

Record Date: 01/02/87

Classification: Small Quantity Generator

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1993

Waste Quantity (Lbs)

Used Oil Recyc: No

Violation Status: No violations found

J49 NE 1/4-1/2 Higher | **TEXACO SVC STA**
23751 EL TORO RD
EL TORO, CA 92630 | **UST** | **1000144853**
CAD981686371

State UST:

Facility ID:	5768		
Tank Num:	1	Container Num:	1
Tank Capacity:	550	Year Installed:	1968
Tank Used for:	WASTE		
Type of Fuel:	WASTE OIL	Tank Constrctn:	Not reported
Leak Detection:	None		
Contact Name:	LOU GUALTIERI	Telephone:	(714) 830-4895
Total Tanks:	4	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

Facility ID:	5768		
Tank Num:	2	Container Num:	2
Tank Capacity:	10000	Year Installed:	1968
Tank Used for:	PRODUCT		
Type of Fuel:	UNLEADED	Tank Constrctn:	Not reported
Leak Detection:	Stock Inventor		
Contact Name:	LOU GUALTIERI	Telephone:	(714) 830-4895
Total Tanks:	4	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

Facility ID:	5768		
Tank Num:	3	Container Num:	3
Tank Capacity:	10000	Year Installed:	1968
Tank Used for:	PRODUCT		
Type of Fuel:	REGULAR	Tank Constrctn:	Not reported
Leak Detection:	Stock Inventor		
Contact Name:	LOU GUALTIERI	Telephone:	(714) 830-4895
Total Tanks:	4	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

TEXACO SVC STA (Continued) **1000144853**

Facility ID:	5768		
Tank Num:	4	Container Num:	4
Tank Capacity:	6000	Year Installed:	1971
Tank Used for:	PRODUCT		
Type of Fuel:	PREMIUM	Tank Constrctn:	Not reported
Leak Detection:	Stock Inventor		
Contact Name:	LOU GUALTIERI	Telephone:	(714) 830-4895
Total Tanks:	4	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

J50 NNE 1/4-1/2 Higher | **TEXACO SERVICE STATION ROCKFIELD (23652) EL TORO, CA 92630** | **LUST Cortese** | **S101299511 N/A**

State LUST:

Case Number:	083000633T	Cross Street:	LAKE FOREST
Reg Board:	Santa Ana Region	Qty Leaked:	Not reported
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Soil only		
Status:	Preliminary site assessment workplan submitted		
Review Date:	11/19/1993	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	09/17/1993

LUST Region 8:

Facility ID:	083000633T	Cross Street:	LAKE FOREST
Chemical:	Gasoline		
Case Type:	Spill		
Status:	Preliminary site assessment workplan submitted		
Lead Agency:	Local Agency		

CORTESE:
Facility ID: 30-010121 Data Source: LTNKA

K51 NNE 1/4-1/2 Higher | **GOODYEAR TIRE & RUBBER #9337 24422 ROCKFORD BLVD. EL TORO, CA 92630** | **UST** | **U001576938 N/A**

State UST:

Facility ID:	28401		
Tank Num:	1	Container Num:	1
Tank Capacity:	250	Year Installed:	Not reported
Tank Used for:	WASTE		
Type of Fuel:	WASTE OIL	Tank Constrctn:	Not reported
Leak Detection:	None		
Contact Name:	CRAIS BUSH	Telephone:	(714) 837-2900
Total Tanks:	1	Region:	Not reported
Facility Type:	2	Other Type:	SERVICE CENTER

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
K52 NNE 1/4-1/2 Higher	**FIRESTONE STORES OF EL TORO 24421 ROCKFIELD EL TORO, CA 44317**	**UST**	**U001560149 N/A**

State UST:

Facility ID:	31868		
Tank Num:	1	Container Num:	1
Tank Capacity:	250	Year Installed:	1973
Tank Used for:	WASTE		
Type of Fuel:	WASTE OIL	Tank Constrctn:	Not reported
Leak Detection:	None		
Contact Name:	HENDRIKSE	Telephone:	(714) 581-2660
Total Tanks:	1	Region:	Not reported
Facility Type:	2	Other Type:	AUTO SERVICE CENTER

K53 NNE 1/4-1/2 Higher	**FIRESTONE STORE #2724 24421 ROCKFIELD BLVD LAKE FOREST, CA**	**UST**	**U003147728 N/A**
54 ESE 1/2-1 Higher	**LOS ALISOS & SANTA ANA PKWY MISSION VIEJO, CA 90305**	**Notify 65**	**S100178435 N/A**

NOTIFY 65:

Date Reported:	Not reported	Staff Initials: Not reported
Board File Number:	Not reported	
Facility Type:	Not reported	
Discharge Date:	Not reported	
Incident Description:	Not Reported	

L55 East 1/2-1 Higher	**EL TORO WATER DISTRICT LOS ALISOS BLVD (24251) EL TORO, CA 92630**	**Cortese**	**S101299510 N/A**

CORTESE:

Facility ID: 30-000916 Data Source: LTNKA

L56 East 1/2-1 Higher	**EL TORO WATER DISTRICT 24251 LOS ALISOS BLVD LAKE FOREST, CA 92630**	**LUST UST**	**U003147705 N/A**

EL TORO WATER DISTRICT (Continued) **U003147705**

State LUST:

Case Number:	9UT157	Cross Street:	ROCKFIELD BLVD
Reg Board:	San Diego Region	Qty Leaked:	Not reported
Chemical:	Unleaded Gasoline		
Lead Agency:	Local Agency		
Case Type:	Aquifer affected		
Status:	Signed off, remedial action completed or deemed unnecessary		
Abate Method:	Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)		
Review Date:	07/28/1993	Confirm Leak:	Not reported
Workplan:	07/02/1986	Prelim Assess:	07/11/1986
Pollution Char:	11/03/1986	Remed Plan:	12/11/1986
Remed Action:	Not reported	Monitoring:	09/01/1987
Close Date:	11/05/1990	Release Date:	06/25/1986

LUST Region 9:

Case Number:	9UT157	Release Date:	19860625
Cross Street:	ROCKFIELD BLVD	Local Agency:	30000
Substance:	UNLEAD GASOL	Qty Leaked:	Not reported
Date Found:	19860529	How Found:	Tank Test
Date Stopped:	19860701	How Stopped:	Remove Contents
Source:	T	Cause:	Corrosion
Lead Agency:	L		
Status:	Signed off, remedial action completed or deemed unnecessary		
Case Type:	Aquifer affected		
Abate Method:	Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)		
Confirm Date:	Not reported	Submit Workplan:	19860702
Prelim Assess:	19860711	Desc Pollution:	19861103
Remed Plan:	19861211	Remed Action:	Not reported
Began Monitor:	19870901	Closed Date:	0
Enforce Type:	Not reported		
Enforce Date:	19901105		
Pilot Program:	Y	Local Case:	86U102
Basin Number:	901.13	Gwater Depth:	28FT
File Dispn:	File discarded, case closed		

LUST Region OR:

Employee No:	95		
Facility ID:	86UT102	Clean Date:	19901105
Case Type:	Ground water		
Status:	Remedial action (cleanup) in progress		
Funding:	Federal Funds		
Chemical:	12034 - DIESEL		
Lead Refer:	Local	Lead Agency:	LOCAL

Employee No:	95		
Facility ID:	86UT102	Clean Date:	19901105
Case Type:	Ground water		
Status:	Remedial action (cleanup) in progress		
Funding:	Federal Funds		
Chemical:	12031 - UNLEADED GASOLINE		
Lead Refer:	Local	Lead Agency:	LOCAL

M57 West 1/2-1 Higher | **UNOCAL SERVICE STATION #4966**
EL TORO RD (24201)
EL TORO, CA | **Cortese** | **S101307746**
N/A

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number

UNOCAL SERVICE STATION #4966 (Continued) **S101307746**

CORTESE:
Facility ID: 30-001396 Data Source: LTNKA

M58 West 1/2-1 Higher **UNOCAL** **LUST** **S102439783**
24201 EL TORO RD **N/A**
LAKE FOREST, CA 92630

LUST Region OR:

Employee No:	153		
Facility ID:	93UT20	Clean Date:	Not reported
Case Type:	Ground water		
Status:	Remedial Investigation Phase		
Funding:	Federal Funds		
Chemical:	8006619 - GASOLINE		
Lead Refer:	Local	Lead Agency:	LOCAL

M59 West 1/2-1 Higher **UNOCAL SERVICE STATION #4966** **LUST Cortese** **S101307745**
EL TORO RD (24201) **N/A**
EL TORO, CA

State LUST:

Case Number:	9UT2436	Cross Street:	Not reported
Reg Board:	San Diego Region	Qty Leaked:	Not reported
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Soil only		
Status:	Preliminary site assessment workplan submitted		
Review Date:	05/25/1993	Confirm Leak:	Not reported
Workplan:	04/01/1993	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	04/01/1993

Case Number:	083002277T	Cross Street:	BRIDGER
Reg Board:	Santa Ana Region	Qty Leaked:	Not reported
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Aquifer affected		
Status:	Pollution characterization		
Review Date:	09/15/1995	Confirm Leak:	02/15/1993
Workplan:	Not reported	Prelim Assess:	02/15/1993
Pollution Char:	03/12/1993	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	04/28/1993

LUST Region 8:

Facility ID:	083002277T	Cross Street:	BRIDGER
Chemical:	Gasoline		
Case Type:	A		
Status:	Pollution characterization		
Lead Agency:	Local Agency		

UNOCAL SERVICE STATION #4966 (Continued) **S101307745**

LUST Region 9:

Case Number:	9UT2436	Release Date:	19930401
Cross Street:	Not reported	Local Agency:	30000
Substance:	GASOLINE	Qty Leaked:	Not reported
Date Found:	Not reported	How Found:	Not reported
Date Stopped:	Not reported	How Stopped:	Not reported
Source:	Not reported	Cause:	Not reported
Lead Agency:	L		
Status:	Preliminary site assessment workplan submitted		
Case Type:	Soil only		
Confirm Date:	Not reported	Submit Workplan:	19930401
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	Not reported	Closed Date:	0
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	Y	Local Case:	93UT20
Basin Number:	901.20	Gwater Depth:	Not reported
File Dispn:	File discarded, case closed		

CORTESE:
Facility ID: 30-001396 Data Source: LTNKA

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60 West 1/2-1 Higher | **MOBIL SERVICE STATION #18-HKF**
EL TORO RD (24362)
LAGUNA HILLS, CA | **LUST Cortese** | **S101307812 N/A**

State LUST:

Case Number:	083001598T	Cross Street:	MOULTON PKWY
Reg Board:	Santa Ana Region	Qty Leaked:	Not reported
Chemical:	Waste Oil		
Lead Agency:	Local Agency		
Case Type:	Aquifer affected		
Status:	Preliminary site assessment underway		
Abate Method:	Remove Free Product - remove floating product from water table		
Review Date:	06/09/1992	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	07/30/1990
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	05/08/1990

LUST Region 8:

Facility ID:	083001598T	Cross Street:	MOULTON PKWY
Chemical:	Waste Oil		
Case Type:	A		
Status:	Preliminary site assessment underway		
Lead Agency:	Local Agency		
Abate Method:	Remove Free Product - remove floating product from water table		

CORTESE:
Facility ID: 30-001058 Data Source: LTNKA

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61 NE 1/2-1 Higher | **ARCO SERVICE STATION #3013**
EL TORO RD (23742)
EL TORO, CA 92630 | **LUST Cortese** | **S101299508 N/A**

ARCO SERVICE STATION #3013 (Continued) **S101299508**

State LUST:

Case Number:	083001923T	Cross Street:	ROCKFIELD
Reg Board:	Santa Ana Region	Qty Leaked:	Not reported
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Aquifer affected		
Status:	Pollution characterization		
Review Date:	03/22/1994	Confirm Leak:	04/30/1991
Workplan:	09/25/1991	Prelim Assess:	11/26/1991
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	04/30/1991

LUST Region 8:

Facility ID:	083001923T	Cross Street:	ROCKFIELD
Chemical:	Gasoline		
Case Type:	A		
Status:	Pollution characterization		
Lead Agency:	Local Agency		

CORTESE:

Facility ID: 30-001200 Data Source: LTNKA

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
EL TORO	1000437499	CROWN CLEANERS	24601 EL TORO	92630	FINDS, RCRIS-LQG, RCRIS-SQG	
EL TORO	1001075686	CALMAT CO EL TORO	20851 EL TORO RD STE 100	92630	RCRIS-SQG	
EL TORO	U001576955	VIEJO LEASING INC	19812 EL TORO RD.	92630	UST	00000032733
LAGUNA HILLS	S100935030	F H P LAGUNA HILLS MEDICAL	22932 ALCALDE DR	92653	HAZNET	
LAGUNA HILLS	1000598040	F H P LAGUNA HILLS MEDICAL	22932 ALCALDE DR	92653	RCRIS-SQG, FINDS, HAZNET	
LAGUNA HILLS	S101126349	HOME FEDERAL BANK PROPERTY	AVENIDA DE LA CARLOTTA		Indus Site	
LAGUNA HILLS	S100866226	LAGUNA AUTO COLLISION	23501 COMMERCE CENTER DR "B"	92653	HAZNET	
LAGUNA HILLS	S100863898	HENRY E BRUCE MD INC	24411 HEALTH CENTER DR STE 320	92653	HAZNET	
LAGUNA HILLS	S102350697	HENRY E BRUCE MD INC	24411 HEALTH CENTER DR STE 320	92653	HAZNET	
LAGUNA HILLS	8702644	LA PAZ @ ALISO HILLS	LA PAZ @ ALISO HILLS		ERNS	
LAGUNA HILLS	S102343985	LAGUNA HILLS AUTOBODY & PAINT	23561 RIDGE ROUTE DR # R / S	92653	HAZNET	
LAGUNA HILLS	S102345400	BHC DEVELOPMENT	23561 RIDGE ROUTE DR STE A	92653	HAZNET	
LAGUNA HILLS	S102345401	BHC CVS RESEARCH & DEVELOPMENT	23601 RIDGE ROUTE DR STE C	92653	HAZNET	
LAGUNA HILLS	S102350903	COLOR DIGIT	23561 RIDGE ROUTE DR # F / G	92653	HAZNET	
LAGUNA HILLS	1001126695	FORD CLEANERS OF LAGUNA HILLS	24261 VIA DE LA CARLATA NO Q 3	92653	RCRIS-SQG	
LAKE FOREST	S102361465	R & S DUMPING COMPOST FACILITY	BAKE PARKWAY (BAKER RANCH)		SWIS	
LAKE FOREST	S102074973	LAGUNA HILLS SHOPPING CENTER	22312 ROCKFIELD		Indus Site	
ORANGE COUNTY	S102361467	CAPO PARK DISTRICT DEL OBISPO	CAPISTRANO BAY PARK / REC. DIST., 34052		SWIS	
ORANGE COUNTY	S102361552	DOW CHEMICAL DUMP	NW CORNER OF PACIFIC COAST HWY / 1ST ST.		SWIS	
ORANGE COUNTY	S102361501	UNKNOWN #1	NW CORNER OF SANTIAGO BLVD / HEWES S		SWIS	
ORANGE COUNTY	S102361527	ORANGE CITY DUMP #10	S OF WALNUT NEAR SANTIAGO CREEK, ORAN		SWIS	
ORANGE COUNTY	S102361532	FOSTER SAND & GRAVEL	N OF KATELLA, E OF SANTA ANA RIVER, ORAN		SWIS	
ORANGE COUNTY	S102361477	RECYC	OFFIC:114 BUSINESS CENTER DR., CORONA,C		SWIS	
ORANGE COUNTY	S102361478	SCOTTS COMPANY	14310 SCOTTSLAWN RD, MARYSVILLE, OH 430		SWIS	
ORANGE COUNTY	S102361490	SOUTH STREET/ANAHEIM	SOUTH STREET / LINCOLN		SWIS	
ORANGE COUNTY	S100538218	PARKER BROTHERS DUMP	WALNUT / VAN BUREN		SWIS, WMUDS	

Site	Database(s)	EDR ID Number EPA ID Number
CROWN CLEANERS **24601 EL TORO** **EL TORO, CA 92630**	**FINDS** **RCRIS-LQG** **RCRIS-SQG**	**1000437499** **CAD981621576**

RCRIS:
Owner: ABBAS TAHBAZ
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(714) 855-3148

Record Date: 12/19/86

Classification: Large Quantity Generator, Small Quantity Generator

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1993

Waste Quantity (Lbs)

Used Oil Recyc: No

Violation Status: No violations found

CALMAT CO EL TORO **20851 EL TORO RD STE 100** **EL TORO, CA 92630**	**RCRIS-SQG**	**1001075686** **CAR000008243**

RCRIS:
Owner: CALMAT CO
(213) 258-2777

Contact: THOMAS LOWRY
(213) 258-2777

Record Date: 01/17/96

Classification: Small Quantity Generator

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1993

Waste Quantity (Lbs)

Used Oil Recyc: No

Violation Status: No violations found

VIEJO LEASING INC **19812 EL TORO RD.** **EL TORO, CA 92630**	**UST**	**U001576955** **N/A**

State UST:

Facility ID:	32733		
Tank Num:	1	Container Num:	1
Tank Capacity:	12000	Year Installed:	1980
Tank Used for:	PRODUCT		
Type of Fuel:	UNLEADED	Tank Constrctn:	Not reported
Leak Detection:	None		
Contact Name:	DALE H. RAHN	Telephone:	(714) 855-0291
Total Tanks:	2	Region:	Not reported
Facility Type:	2	Other Type:	EQUIP. CO.

Site	Database(s)	EDR ID Number EPA ID Number
VIEJO LEASING INC (Continued)		U001576955

Facility ID:	32733		
Tank Num:	2	Container Num:	2
Tank Capacity:	10000	Year Installed:	1980
Tank Used for:	PRODUCT		
Type of Fuel:	DIESEL	Tank Constrctn:	Not reported
Leak Detection:	None		
Contact Name:	DALE H. RAHN	Telephone:	(714) 855-0291
Total Tanks:	2	Region:	Not reported
Facility Type:	2	Other Type:	EQUIP. CO.

F H P LAGUNA HILLS MEDICAL
22932 ALCALDE DR
LAGUNA HILLS, CA 92653

HAZNET **S100935030**
N/A

F H P LAGUNA HILLS MEDICAL
22932 ALCALDE DR
LAGUNA HILLS, CA 92653

RCRIS-SQG **1000598040**
FINDS **CAD983620816**
HAZNET

RCRIS:

Owner: F H P INC
(714) 378-7837

Contact: PATRICIA BLANK
(714) 378-7837

Record Date: 07/29/94

Classification: Small Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1993

Waste	Quantity (Lbs)

Used Oil Recyc: No

Violation Status: No violations found

HOME FEDERAL BANK PROPERTY
AVENIDA DE LA CARLOTTA
LAGUNA HILLS, CA

Indus Site **S101126349**
N/A

Industrial Site:

Facility ID:	91IC57
Open Date:	12-09-91
Closed Date:	05-07-92
Haz Mat:	2030.W

LAGUNA AUTO COLLISION
23501 COMMERCE CENTER DR "B"
LAGUNA HILLS, CA 92653

HAZNET **S100866226**
N/A

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
HENRY E BRUCE MD INC **24411 HEALTH CENTER DR STE 320** **LAGUNA HILLS, CA 92653**	**HAZNET**	**S100863898** **N/A**
HENRY E BRUCE MD INC **24411 HEALTH CENTER DR STE 320** **LAGUNA HILLS, CA 92653**	**HAZNET**	**S102350697** **N/A**
LA PAZ @ ALISO HILLS **LA PAZ @ ALISO HILLS** **LAGUNA HILLS, CA**	**ERNS**	**8702644** **N/A**
LAGUNA HILLS AUTOBODY & PAINT **23561 RIDGE ROUTE DR # R / S** **LAGUNA HILLS, CA 92653**	**HAZNET**	**S102343985** **N/A**
BHC DEVELOPMENT **23561 RIDGE ROUTE DR STE A** **LAGUNA HILLS, CA 92653**	**HAZNET**	**S102345400** **N/A**
BHC CVS RESEARCH & DEVELOPMENT **23601 RIDGE ROUTE DR STE C** **LAGUNA HILLS, CA 92653**	**HAZNET**	**S102345401** **N/A**
COLOR DIGIT **23561 RIDGE ROUTE DR # F / G** **LAGUNA HILLS, CA 92653**	**HAZNET**	**S102350903** **N/A**
FORD CLEANERS OF LAGUNA HILLS **24261 VIA DE LA CARLATA NO Q 3** **LAGUNA HILLS, CA 92653**	**RCRIS-SQG**	**1001126695** **CAR000017772**

RCRIS:

Owner: PRADIP PATEL
(714) 699-3673

Contact: PATEL PRADIP
(714) 699-3673

Record Date: 02/03/97

Classification: Small Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1993

Waste	Quantity (Lbs)

Site	Database(s)	EDR ID Number EPA ID Number
FORD CLEANERS OF LAGUNA HILLS (Continued)		1001126695

Used Oil Recyc: No

Violation Status: No violations found

R & S DUMPING COMPOST FACILITY
BAKE PARKWAY (BAKER RANCH)
LAKE FOREST, CA

SWIS — **S102361465**, **N/A**

LF:

Facility ID:	30-AB-0376
Operator:	R&S DUMPING & CONSTRUCTION CLEAN UP, INC
Op. Address:	24002 VIA FABRICANTE, SUITE 225 MISSION VIEJO, CA 92691
Op. Tel:	(714) 830-8884
Owner:	R&S DUMPING & CONSTRUCTION CLEAN UP, INC
Address:	24002 VIA FABRICANTE, SUITE 225 MISSION VIEJO, CA 92691
Owner's Tel:	(714) 830-8884
Facility Tel:	Not reported
Activity:	Composting Facility (Green Waste)
Operator's Status:	Inactive
Regulation Status:	Proposed
Facility Status:	Not reported
Facility Class:	Not reported
Region:	STATE
Closing Comment:	Not reported
Date Closed:	Not reported
Operation Date:	Not reported
Permit Date:	Not reported
Facility Type:	Not reported
Facility Location:	Not reported

LAGUNA HILLS SHOPPING CENTER
22312 ROCKFIELD
LAKE FOREST, CA

Indus Site — **S102074973**, **N/A**

Industrial Site:

Facility ID:	95IC38
Open Date:	12-11-95
Closed Date:	02-01-96
Haz Mat:	575.W

CAPO PARK DISTRICT DEL OBISPO
CAPISTRANO BAY PARK / REC. DIST., 34052
ORANGE COUNTY, CA

SWIS — **S102361467**, **N/A**

Site	Database(s)	EDR ID Number EPA ID Number
CAPO PARK DISTRICT DEL OBISPO (Continued)		S102361467

LF:

Facility ID:	30-CR-0002
Operator:	CITY OF DANA POINT
Op. Address:	33282 GOLDEN LANTERN DANA POINT, CA 92629
Op. Tel:	(714) 248-3582
Owner:	CITY OF DANA POINT
Address:	33282 GOLDEN LANTERN DANA POINT, CA 92629
Owner's Tel:	(714) 248-3582
Facility Tel:	Not reported
Activity:	Solid Waste Disposal Site
Operator's Status:	To Be Determined
Regulation Status:	To Be Determined
Facility Status:	Not reported
Facility Class:	Not reported
Region:	STATE
Closing Comment:	Not reported
Date Closed:	Not reported
Operation Date:	Not reported
Permit Date:	Not reported
Facility Type:	Not reported
Facility Location:	Not reported

DOW CHEMICAL DUMP **NW CORNER OF PACIFIC COAST HWY / 1ST ST.** **ORANGE COUNTY, CA**	**SWIS**	**S102361552** **N/A**

Site	Database(s)	EDR ID Number EPA ID Number
DOW CHEMICAL DUMP (Continued)		S102361552

LF:

Facility ID:	30-CR-0104
Operator:	DOW CHEMICAL CORPORATION
Op. Address:	Not reported
Owner:	R & B REALITY GROUP
Address:	Not reported
Facility Tel:	Not reported
Activity:	Solid Waste Disposal Site
Operator's Status:	Closed
Regulation Status:	To Be Determined
Facility Status:	Not reported
Facility Class:	Not reported
Region:	STATE
Closing Comment:	Not reported
Date Closed:	Not reported
Operation Date:	Not reported
Permit Date:	Not reported
Facility Type:	Not reported
Facility Location:	Not reported

UNKNOWN #1 **NW CORNER OF SANTIAGO BLVD / HEWES ST** **ORANGE COUNTY, CA**	**SWIS**	**S102361501** **N/A**

LF:

Facility ID:	30-CR-0042
Operator:	Not reported
Op. Address:	Not reported
Owner:	Not reported
Address:	Not reported
Facility Tel:	Not reported
Activity:	Solid Waste Disposal Site
Operator's Status:	Closed
Regulation Status:	To Be Determined
Facility Status:	Not reported
Facility Class:	Not reported
Region:	STATE
Closing Comment:	Not reported
Date Closed:	Not reported
Operation Date:	Not reported
Permit Date:	Not reported
Facility Type:	Not reported
Facility Location:	Not reported

ORANGE CITY DUMP #10 **S OF WALNUT NEAR SANTIAGO CREEK, ORANGE,** **ORANGE COUNTY, CA**	**SWIS**	**S102361527** **N/A**

Site	Database(s)	EDR ID Number EPA ID Number
ORANGE CITY DUMP #10 (Continued)		S102361527

LF:

Facility ID:	30-CR-0075
Operator:	Not reported
Op. Address:	Not reported
Owner:	Not reported
Address:	Not reported
Facility Tel:	Not reported
Activity:	Solid Waste Disposal Site
Operator's Status:	Closed
Regulation Status:	To Be Determined
Facility Status:	Not reported
Facility Class:	Not reported
Region:	STATE
Closing Comment:	Not reported
Date Closed:	Not reported
Operation Date:	Not reported
Permit Date:	Not reported
Facility Type:	Not reported
Facility Location:	Not reported

FOSTER SAND & GRAVEL **N OF KATELLA, E OF SANTA ANA RIVER, ORAN** **ORANGE COUNTY, CA**	**SWIS**	**S102361532** **N/A**

LF:

Facility ID:	30-CR-0080
Operator:	WARNER, G L
Op. Address:	Not reported
Owner:	Not reported
Address:	Not reported
Facility Tel:	Not reported
Activity:	Solid Waste Disposal Site
Operator's Status:	Closed
Regulation Status:	To Be Determined
Facility Status:	Not reported
Facility Class:	Not reported
Region:	STATE
Closing Comment:	Not reported
Date Closed:	Not reported
Operation Date:	Not reported
Permit Date:	Not reported
Facility Type:	Not reported
Facility Location:	Not reported

RECYC **OFFIC:114 BUSINESS CENTER DR., CORONA,CA** **ORANGE COUNTY, CA**	**SWIS**	**S102361477** **N/A**

Site	Database(s)	EDR ID Number EPA ID Number
RECYC (Continued)		S102361477

LF:

Facility ID:	30-CR-0012
Operator:	OTMAN J
Op. Address:	Not reported
Owner:	BRENER, JOHN
Address:	Not reported
Facility Tel:	Not reported
Activity:	Solid Waste Disposal Site
Operator's Status:	To Be Determined
Regulation Status:	To Be Determined
Facility Status:	Not reported
Facility Class:	Not reported
Region:	STATE
Closing Comment:	Not reported
Date Closed:	Not reported
Operation Date:	Not reported
Permit Date:	Not reported
Facility Type:	Not reported
Facility Location:	Not reported

SCOTTS COMPANY **14310 SCOTTSLAWN RD, MARYSVILLE, OH 4304** **ORANGE COUNTY, CA**	**SWIS**	**S102361478** **N/A**

LF:

Facility ID:	30-CR-0013
Operator:	Not reported
Op. Address:	Not reported
Owner:	MARTIN G
Address:	Not reported
Facility Tel:	Not reported
Activity:	Solid Waste Disposal Site
Operator's Status:	To Be Determined
Regulation Status:	To Be Determined
Facility Status:	Not reported
Facility Class:	Not reported
Region:	STATE
Closing Comment:	Not reported
Date Closed:	Not reported
Operation Date:	Not reported
Permit Date:	Not reported
Facility Type:	Not reported
Facility Location:	Not reported

SOUTH STREET/ANAHEIM **SOUTH STREET / LINCOLN** **ORANGE COUNTY, CA**	**SWIS**	**S102361490** **N/A**

Site	Database(s)	EDR ID Number EPA ID Number
SOUTH STREET/ANAHEIM (Continued)		S102361490

LF:

Facility ID:	30-CR-0027
Operator:	Not reported
Op. Address:	Not reported
Owner:	Not reported
Address:	Not reported
Facility Tel:	Not reported
Activity:	Solid Waste Disposal Site
Operator's Status:	Closed
Regulation Status:	To Be Determined
Facility Status:	Not reported
Facility Class:	Not reported
Region:	STATE
Closing Comment:	Not reported
Date Closed:	Not reported
Operation Date:	Not reported
Permit Date:	Not reported
Facility Type:	Not reported
Facility Location:	Not reported

PARKER BROTHERS DUMP WALNUT / VAN BUREN ORANGE COUNTY, CA	**SWIS WMUDS**	**S100538218 N/A**

LF:

Facility ID:	30-CR-0051
Operator:	Not reported
Op. Address:	Not reported
Owner:	Not reported
Address:	Not reported
Facility Tel:	Not reported
Activity:	Solid Waste Disposal Site
Operator's Status:	To Be Determined
Regulation Status:	To Be Determined
Facility Status:	Not reported
Facility Class:	Not reported
Region:	STATE
Closing Comment:	Not reported
Date Closed:	Not reported
Operation Date:	Not reported
Permit Date:	Not reported
Facility Type:	Not reported
Facility Location:	Not reported

WMUDS:

Date of Last Facility Edit:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System ID:	8 300023NUR
Solid Waste Information ID:	Not reported
Waste Discharge System:	No
Solid Waste Assessment Test Program:	Yes
Toxic Pits Cleanup Act Program:	No
Resource Conservation Recovery Act Program:	No
Department of Defense:	Not reported
Regional Board Staff Initial:	MA
Open to Public:	Not reported
Number of WMUDS at Facility:	Not reported
Facility Contact:	Not reported

Site	Database(s)	EDR ID Number EPA ID Number
PARKER BROTHERS DUMP (Continued)		S100538218

Facility Telephone:	Not reported
Primary Standard Industrial Classification:	Not reported
Secondary Standard Industrial Classification:	Not reported
Solid Waste Assessment Test Program Name:	Not reported
Self Monitoring Report Frequency:	Not reported
Threat to Water Quality:	Not reported

NPID:	Not reported
Tonnage:	Not reported
Agency:	Not reported
	Not reported
Agency Contact:	Not reported
Agency Tele:	Not reported
Landowner:	Not reported
	Not reported
	CA
Landowner Cont:	Not reported
Landowner Tele:	Not reported

GEOCHECK VERSION 2.1 ADDENDUM
STATE DATABASE WELL INFORMATION

Water Wells:

Well Within >2 Miles of Target Property (Northern Quadrant)

Water System Information:

Prime Station Code:	06S/08W-15B01 S	User ID:	TEE
FRDS Number Number:	3010091001	County:	Orange
District Number:	08	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Abandoned
Source Lat/Long:	333930.0 1174230.0	Precision:	1 Mile (One Minute)
Source Name:	WELL 01 - ABANDONED		
System Number:	3010091		
System Name:	LOS ALISOS WD		
Owner Type:	Not Reported		
Organization That Operates System:			
	P O BOX 699		
	EL TORO 92630		
Pop Served:	38000	Connections:	EL TORO
Area Served:	Not Reported		

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest Well.

PWS SUMMARY:

PWS ID:	CA3601036	PWS Status:	Active	Distance from TP:	1/4 - 1/2 Mile
Date Initiated:	June / 1977	Date Deactivated:	Not Reported	Dir relative to TP:	West
PWS Name:	CALICO LAKES HOMEOWNERS ASSOC CALICO LK HOMEOWNERS' 005TH T09N, CA 94234				
Addressee / Facility:	System Owner/Responsible Party CALICO LK HOMEOWNERS' P O BOX 911 YERMO, CA 923980000				
Facility Latitude:	33 36 45			Facility Longitude:	117 42 42
City Served:	Not Reported				
Treatment Class:	Untreated			Population Served:	Under 101 Persons

Well currently has or has had major violation(s): Yes

Violations information not reported.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM RECORDS:

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA/NTIS
Telephone: 703-413-0223
CERCLIS: CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/30/97
Date Made Active at EDR: 06/30/97
Database Release Frequency: Monthly
Date of Data Arrival at EDR: 05/19/97
Elapsed ASTM days: 42
Date of Last EDR Contact: 05/12/97

ERNS: Emergency Response Notification System
Source: EPA/NTIS
Telephone: 202-260-2342
ERNS: Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/01/97
Date Made Active at EDR: 06/24/97
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 04/10/97
Elapsed ASTM days: 75
Date of Last EDR Contact: 04/07/97

NPL: National Priority List
Source: EPA
Telephone: 703-603-8852
NPL: National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC).

Date of Government Version: 04/01/97
Date Made Active at EDR: 05/29/97
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 04/21/97
Elapsed ASTM days: 38
Date of Last EDR Contact: 04/03/97

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 800-424-9346
RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 04/01/97
Date Made Active at EDR: 06/30/97
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 04/25/97
Elapsed ASTM days: 66
Date of Last EDR Contact: 02/27/97

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS: CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/01/96
Date Made Active at EDR: 03/03/97
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 12/30/96
Elapsed ASTM days: 63
Date of Last EDR Contact: 04/07/97

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEDERAL NON-ASTM RECORDS:

CONSENT: Superfund (CERCLA) Consent Decrees
Source: EPA Regional Offices
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: Varies
Database Release Frequency: Varies
Date of Last EDR Contact: Varies
Date of Next Scheduled EDR Contact: N/A

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4526
HMIRS: Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/95
Database Release Frequency: Annually
Date of Last EDR Contact: 04/28/97
Date of Next Scheduled EDR Contact: 07/28/97

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 205-564-4267
NPL LIENS: Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 05/29/97
Date of Next Scheduled EDR Contact: 08/25/97

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RAATS: RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: N/A
Date of Last EDR Contact: 06/16/97
Date of Next Scheduled EDR Contact: 09/15/97

ROD: Records Of Decision
Source: NTIS
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/31/95
Database Release Frequency: Annually
Date of Last EDR Contact: 06/02/97
Date of Next Scheduled EDR Contact: 09/01/97

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF CALIFORNIA ASTM RECORDS:

BEP: Bond Expenditure Plan
Source: Department of Health Services
Telephone: 916-255-2118
BEP: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/89
Date Made Active at EDR: 08/02/94
Database Release Frequency: No Update Planned
Date of Data Arrival at EDR: 07/27/94
Elapsed ASTM days: 6
Date of Last EDR Contact: 05/31/94

CAL-SITES (AWP): Annual Workplan
Source: California Environmental Protection Agency
Telephone: 916-323-3400
CAL-SITES (AWP): Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 10/29/96
Date Made Active at EDR: 03/17/97
Database Release Frequency: Annually
Date of Data Arrival at EDR: 01/16/97
Elapsed ASTM days: 60
Date of Last EDR Contact: 04/28/97

CAL-SITES (ASPIS): Calsites
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
CAL-SITES (ASPIS): Known and Potential Hazardous Waste Sites. CAL-SITES, formerly ASPIS, contains both known and potential hazardous substance sites.

Date of Government Version: 04/12/96
Date Made Active at EDR: 06/06/96
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 05/06/96
Elapsed ASTM days: 31
Date of Last EDR Contact: 06/24/97

CHMIRS: California Hazardous Material Incident Report System
Source: Office of Emergency Services
Telephone: 916-464-3277
CHMIRS: California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/94
Date Made Active at EDR: 04/24/95
Database Release Frequency: Annually
Date of Data Arrival at EDR: 03/13/95
Elapsed ASTM days: 42
Date of Last EDR Contact: 06/11/97

CORTESE: Cortese
Source: CAL EPA/Office of Emergency Information
Telephone: 916-327-1848
CORTESE: Identified Hazardous Waste and Substance Sites. The database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration.

Date of Government Version: 12/31/94
Date Made Active at EDR: 04/04/95
Database Release Frequency: Annually
Date of Data Arrival at EDR: 01/23/95
Elapsed ASTM days: 71
Date of Last EDR Contact: 05/05/97

LUST: Leaking Underground Storage Tank Information System
Source: State Water Resources Control Board
Telephone: 916-445-6532
LUST: Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/01/97
Date Made Active at EDR: 06/30/97
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 05/05/97
Elapsed ASTM days: 56
Date of Last EDR Contact: 04/15/97

NOTIFY 65: Proposition 65
Source: State Water Resources Control Board
Telephone: 916-657-0696
NOTIFY 65: Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/93
Date Made Active at EDR: 11/19/93
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 11/01/93
Elapsed ASTM days: 18
Date of Last EDR Contact: 04/28/97

SWF/LF (SWIS): Solid Waste Information System
Source: Integrated Waste Management Board
Telephone: 916-255-4035
SWF/LF (SWIS): Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 2004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/03/97
Date Made Active at EDR: 05/05/97
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 03/10/97
Elapsed ASTM days: 56
Date of Last EDR Contact: 05/05/97

TOXIC PITS: Toxic Pits
Source: State Water Resources Control Board
Telephone: 916-227-4364
TOXIC PITS: Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/95
Date Made Active at EDR: 09/26/95
Database Release Frequency: No Update Planned
Date of Data Arrival at EDR: 08/30/95
Elapsed ASTM days: 27
Date of Last EDR Contact: 05/12/97

CA UST:

UST: Hazardous Substance Storage Container Database
Source: State Water Resources Control Board
Telephone: 916-227-4408
UST: The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/90
Date Made Active at EDR: 02/12/91
Database Release Frequency: No Update Planned
Date of Data Arrival at EDR: 01/25/91
Elapsed ASTM days: 18
Date of Last EDR Contact: 04/21/97

FID: Facility Inventory Database
Source: California Environmental Protection Agency
Telephone: 916-445-6532
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/94
Date Made Active at EDR: 09/29/95
Database Release Frequency: No Update Planned
Date of Data Arrival at EDR: 09/05/95
Elapsed ASTM days: 24
Date of Last EDR Contact: 03/31/97

WMUDS/SWAT: Waste Management Unit Database
Source: State Water Resources Control Board
Telephone: 916-227-4448
WMUDS/SWAT: Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 06/20/97
Date Made Active at EDR: 08/01/97
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 06/24/97
Elapsed ASTM days: 38
Date of Last EDR Contact: 06/09/97

STATE OF CALIFORNIA NON-ASTM RECORDS:

AST: Aboveground Petroleum Storage Tank Facilities
Source: State Water Resources Control Board
Telephone: 916-227-4382
AST: Registered Aboveground Storage Tanks.

Date of Government Version: 06/09/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/12/97
Date of Next Scheduled EDR Contact: 08/11/97

HAZMAT: Hazmat Facilities
Source: City of San Jose Fire Department
Telephone: 408-277-4659

Date of Government Version: 02/11/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/27/97
Date of Next Scheduled EDR Contact: 08/25/97

HAZNET: Hazardous Waste Information System
Source: California Environmental Protection Agency
Telephone: 916-324-0650
HAZNET: Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data from non-California manifests and continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/95
Database Release Frequency: Annually
Date of Last EDR Contact: 05/20/97
Date of Next Scheduled EDR Contact: 07/21/97

SOUTH BAY: South Bay Site Management System
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
SOUTH BAY: Groundwater pollution cases in the Santa Clara Valley where the regulatory lead is the San Francisco Bay Regional Water Quality Control Board.

Date of Government Version: 09/01/96
Database Release Frequency: Annually
Date of Last EDR Contact: 05/27/97
Date of Next Scheduled EDR Contact: 08/25/97

WDS: Waste Discharge System
Source: State Water Resources Control Board
Telephone: 916-657-1571
WDS: Sites which have been issued waste discharge requirements.

Date of Government Version: 03/01/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/27/97
Date of Next Scheduled EDR Contact: 08/25/97

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CALIFORNIA COUNTY RECORDS

ALAMEDA COUNTY:

Underground Tanks
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 04/07/97
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/23/97
Date of Next Scheduled EDR Contact: 09/22/97

Local Oversight Program Listing of UGT Cleanup Sites
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 12/01/96
Database Release Frequency: N/A

Date of Last EDR Contact: 05/23/97
Date of Next Scheduled EDR Contact: 09/22/97

CONTRA COSTA COUNTY:

SL: Site List
Source: Contra Costa Health Services Department
Telephone: 510-646-2286
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 05/02/97
Database Release Frequency: N/A

Date of Last EDR Contact: 05/12/97
Date of Next Scheduled EDR Contact: 08/11/97

KERN COUNTY:

UST: Sites & Tanks Listing
Source: Kern County Environment Health Services Department
Telephone: 805-862-8700
Kern County Sites & Tanks Listing.

Date of Government Version: 06/10/94
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 04/14/97
Date of Next Scheduled EDR Contact: 07/14/97

LOS ANGELES COUNTY:

HMS: Street Number List
Source: Department of Public Works
Telephone: 818-458-3517
HMS: Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 02/27/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/23/97
Date of Next Scheduled EDR Contact: 09/22/97

SWF/LF: List of Solid Waste Facilities
Source: La County Department of Public Works
Telephone: 818-458-5185

Date of Government Version: 01/31/96
Database Release Frequency: Annually

Date of Last EDR Contact: 05/27/97
Date of Next Scheduled EDR Contact: 08/25/97

SITE MITI: Site Mitigation Complaint Control Log
Source: Community Health Services
Telephone: 213-890-7806
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 08/21/96
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/27/97
Date of Next Scheduled EDR Contact: 08/25/97

MARIN COUNTY:

UST - Currently Permitted
Source: Public Works Department Waste Management
Telephone: 415-499-6647
Currently permitted USTs in Marin County.

Date of Government Version: 05/12/97
Database Release Frequency: N/A

Date of Last EDR Contact: 05/12/97
Date of Next Scheduled EDR Contact: 08/11/97

NAPA COUNTY:

LUST: Sites With Reported Contamination
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 03/10/97
Database Release Frequency: N/A

Date of Last EDR Contact: 06/23/97
Date of Next Scheduled EDR Contact: 09/22/97

UST: Closed and Operating Underground Storage Tank Sites
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 10/09/96
Database Release Frequency: N/A

Date of Last EDR Contact: 06/23/97
Date of Next Scheduled EDR Contact: 09/22/97

ORANGE COUNTY:

List of Industrial Site Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

Date of Government Version: 01/15/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/16/97
Date of Next Scheduled EDR Contact: 09/15/97

LUST: List of Underground Storage Tank Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/06/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/16/97
Date of Next Scheduled EDR Contact: 09/15/97

UST: List of Underground Storage Tank Facilities
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/26/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/16/97
Date of Next Scheduled EDR Contact: 09/15/97

PLACER COUNTY:

MS: Master List of Facilities
Source: Placer County Health & Human Services
Telephone: 916-889-7335
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 01/14/97
Database Release Frequency: N/A
Date of Last EDR Contact: 06/30/97
Date of Next Scheduled EDR Contact: 09/29/97

RIVERSIDE COUNTY:

LUST: Listing of Underground Tank Cleanup Sites
Source: Department of Public Health
Telephone: 909-358-5055
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/16/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/28/97
Date of Next Scheduled EDR Contact: 07/28/97

UST: Tank List
Source: Health Services Agency
Telephone: 909-358-5055

Date of Government Version: 05/06/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/28/97
Date of Next Scheduled EDR Contact: 07/28/97

SACRAMENTO COUNTY:

LUST: Toxisite Cleanup Program - Site Specific Report
Source: Sacramento County Environmental Management
Telephone: 916-386-6706

Date of Government Version: 04/16/97
Database Release Frequency: N/A
Date of Last EDR Contact: 04/28/97
Date of Next Scheduled EDR Contact: 08/25/97

ML: Regulatory Compliance Master List
Source: Sacramento County Environmental Management
Telephone: 916-386-6706
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/03/97
Database Release Frequency: N/A
Date of Last EDR Contact: 06/18/97
Date of Next Scheduled EDR Contact: 09/15/97

SAN BERNARDINO COUNTY:

DEHS Permit System Print-Out By Location
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 03/07/97
Database Release Frequency: Monthly
Date of Last EDR Contact: 06/16/97
Date of Next Scheduled EDR Contact: 09/15/97

SAN DIEGO COUNTY:

SWF/LF: Solid Waste Facilities
Source: Department of Health Services
Telephone: 619-338-2209
San Diego County Solid Waste Facilities.

Date of Government Version: 11/08/95
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 06/03/97
Date of Next Scheduled EDR Contact: 09/01/97

HMMD: Hazardous Materials Management Division Database
Source: Hazardous Materials Management Division
Telephone: 619-338-2268
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment "H" permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 11/15/96
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/19/97
Date of Next Scheduled EDR Contact: 08/18/97

SAN FRANCISCO COUNTY:

LUST: Local Oversite Facilities
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

Date of Government Version: 05/14/97
Database Release Frequency: N/A
Date of Last EDR Contact: 05/21/97
Date of Next Scheduled EDR Contact: 08/18/97

UST: Active Underground Report City and County of San Francisco
Source: Department of Public Health
Telephone: 415-252-3920

Date of Government Version: 05/01/97
Database Release Frequency: N/A
Date of Last EDR Contact: 05/21/97
Date of Next Scheduled EDR Contact: 08/18/97

SAN MATEO COUNTY:

Business Inventory
Source: San Mateo County Environmental Health Services Division
Telephone: 415-363-1921
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 01/01/97
Database Release Frequency: N/A
Date of Last EDR Contact: 05/20/97
Date of Next Scheduled EDR Contact: 08/18/97

LUST: Fuel Leak List
Source: San Mateo County Environmental Health Services Division
Telephone: 415-363-1921

Date of Government Version: 04/21/97
Database Release Frequency: N/A
Date of Last EDR Contact: 05/20/97
Date of Next Scheduled EDR Contact: 08/18/97

SANTA CLARA COUNTY:

LUST: Fuel Leak Site Activity Report
Source: Santa Clara Valley Water District
Telephone: 408-927-0710

Date of Government Version: 04/01/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/07/97
Date of Next Scheduled EDR Contact: 07/07/97

SOLANO COUNTY:

LUST: Leaking Undergroung Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 05/20/97
Database Release Frequency: N/A

Date of Last EDR Contact: 06/16/97
Date of Next Scheduled EDR Contact: 09/15/97

UST: Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 03/13/97
Database Release Frequency: N/A

Date of Last EDR Contact: 06/16/97
Date of Next Scheduled EDR Contact: 09/15/97

SONOMA COUNTY:

LUST Sites
Source: Department of Health Services
Telephone: 707-525-6565

Date of Government Version: 04/04/97
Database Release Frequency: N/A

Date of Last EDR Contact: 06/23/97
Date of Next Scheduled EDR Contact: 09/22/97

SUTTER COUNTY:

UST: Underground Storage Tanks
Source: Sutter County Department of Agriculture
Telephone: 916-741-7504

Date of Government Version: 11/01/97
Database Release Frequency: N/A

Date of Last EDR Contact: 04/17/97
Date of Next Scheduled EDR Contact: 07/14/97

VENTURA COUNTY:

BWT: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
BWT: The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/27/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/23/97
Date of Next Scheduled EDR Contact: 09/22/97

LUST: Listing of Underground Tank Cleanup Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/27/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/23/97
Date of Next Scheduled EDR Contact: 09/22/97

UST: Underground Tank Closed Sites List
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 03/27/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/23/97
Date of Next Scheduled EDR Contact: 09/22/97

SWF/LF: Inventory of Illegal Abandoned and Inactive Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 03/31/96
Database Release Frequency: Annually

Date of Last EDR Contact: 06/16/97
Date of Next Scheduled EDR Contact: 09/01/97

California Regional Water Quality Control Board (RWQCB) LUST Records

LUST Region 1: Active Toxic Site Investigation
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220

Date of Government Version: 03/18/97
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 06/02/97
Date of Next Scheduled EDR Contact: 09/01/97

LUST Region 2: Fuel Leak List
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Date of Government Version: 03/28/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/25/97
Date of Next Scheduled EDR Contact: 09/22/97

LUST Region 3: LUSTIS Database
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 05/20/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/27/97
Date of Next Scheduled EDR Contact: 08/25/97

LUST Region 4: Underground Storage Tank Leak List
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-266-7544

Date of Government Version: 04/16/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/07/97
Date of Next Scheduled EDR Contact: 07/07/97

LUST Region 5: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-255-3125

Date of Government Version: 04/22/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/14/97
Date of Next Scheduled EDR Contact: 07/14/97

LUST Region 6L: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424

Date of Government Version: 04/16/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/16/97
Date of Next Scheduled EDR Contact: 09/15/97

LUST Region 6V: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 619-241-6583

Date of Government Version: 05/01/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/28/97
Date of Next Scheduled EDR Contact: 07/14/97

LUST Region 7: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 619-346-7491

Date of Government Version: 04/03/97
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 06/02/97
Date of Next Scheduled EDR Contact: 09/01/97

LUST Region 8: (LUSTIS) Leaking Underground Storage Tanks
Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4498

Date of Government Version: 03/28/97
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/14/97
Date of Next Scheduled EDR Contact: 07/14/97

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST Region 9: Leaking Underground Storage Tank Report
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 619-467-2952

Date of Government Version: 01/08/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/09/97
Date of Next Scheduled EDR Contact: 09/08/97

California Regional Water Quality Control Board (RWQCB) SLIC Records

SLIC Region 1: Active Toxic Site Investigations
Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 03/18/97
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 06/02/97
Date of Next Scheduled EDR Contact: 09/01/97

SLIC Region 2: North and South Bay Slic Report
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 03/28/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/25/97
Date of Next Scheduled EDR Contact: 09/22/97

SLIC Region 3: Active Slic Cases
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 05/20/97
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 05/27/97
Date of Next Scheduled EDR Contact: 08/25/97

SLIC Region 4: SLIC Sites
Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-266-7544
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 04/01/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/09/97
Date of Next Scheduled EDR Contact: 07/07/97

SLIC Region 5: SLIC List
Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-855-3075
Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 10/31/96
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/23/97
Date of Next Scheduled EDR Contact: 07/21/97

SLIC Region 8: SLIC List
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-3298

Date of Government Version: 12/20/96
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/18/97
Date of Next Scheduled EDR Contact: 07/14/97

SLIC Region 9: Nurds/Nugtank
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 619-467-2980

Date of Government Version: 11/21/97
Database Release Frequency: Annually
Date of Last EDR Contact: 06/09/97
Date of Next Scheduled EDR Contact: 09/08/97

Historical and Other Database(s)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

DELISTED NPL: Delisted NPL Sites
Source: EPA
Telephone: 703-603-8769
DELISTED NPL: The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

NFRAP: No Further Remedial Action Planned
Source: EPA/NTIS
Telephone: 703-413-0223
NFRAP: As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

FRDS: Federal Reporting Data System
Source: EPA/Office of Drinking Water
Telephone: 202-260-2805
FRDS provides information regarding public water supplies and their compliance with monitoring requirements, maximum contaminant levels (MCL's), and other requirements of the Safe Drinking Water Act of 1986.

Area Radon Information: The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

Oil/Gas Pipelines/Electrical Transmission Lines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

Sensitive Receptors: There are individuals who, due to their fragile immune systems, are deemed to be especially sensitive to environmental discharges. These typically include the elderly, the sick, and children. While the exact location of these sensitive receptors cannot be determined, EDR indicates those facilities, such as schools, hospitals, day care centers, and nursing homes, where sensitive receptors are likely to be located.

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1994 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Water Dams: National Inventory of Dams
Source: Federal Emergency Management Agency
Telephone: 202-646-2801
WATER DAMS: National computer database of more than 74,000 dams maintained by the Federal Emergency Management Agency.

Earthquake Fault Lines in California: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

EMG

30322012.97B

Appendix H

Supporting Documentation

LAGUNA HILLS MALL

MEMORANDUM

DATE: July 2, 1990

TO: Roberta Hantman

FROM: Jim Boyde

RE: Underground Storage Tanks

Attached please find the information you requested on underground storage tanks at Laguna Hills Mall. Please note that JC Penney's did not know the material of their tanks, and are checking their records. I will supply this information to you as soon as I have it.

The TBA's at the mall have no underground tanks besides Firestone, nor do the emergency generators have any with the exception of Penney's.

Please advise if you require anything further.

JB/maf

Enclosure

cc: Jonathan Alpert
Mike Strle

24155 Laguna Hills Mall, Laguna Hills, CA 92653 • 714/586-8282 • FAX 714/586-8127

No. of Tanks	Contents of Tanks	Capacity (gals)	Material of Tank Const.	Age(Years) of Tank	Tank Owner	Tank Operator	Who is Responsible for Tank Management/ Operational Control	Certificate of Ins. Received? (if yes, attach of same)
1	WO				JC Penney	JC Penney	Firestone	Self Insured
1	DSL	500	?	17	JC Penney	JC Penney	JC Penney	" "
1	PREM	10,000	FRP	14	Unocal	Unocal	Unocal	Yes
1	UL	10,000	FRP	14	Unocal	Unocal	Unocal	Yes
1	DSL	5,000	FRP	14	Unocal	Unocal	Unocal	Yes
1	WO	550	BS	14	Unocal	Unocal	Unocal	Yes
1	REG	10,000	FRP	6?	Chevron	Chevron	Chevron	Yes
1	UL	10,000	FRP	6?	Chevron	Chevron	Chevron	Yes
1	PREM	10,000	FRP	6?	Chevron	Chevron	Chevron	Yes
1	WO	1,000	FRP	6?	Chevron	Chevron	Chevron	Yes
1	REG	8,000	CPS	17	Shell	Shell	Shell	Yes
1	UL	10,000	CPS	17	Shell	Shell	Shell	Yes
1	PREM	8,000	CPS	17	Shell	Shell	Shell	Yes
1	WO	550	FRP	3	Shell	Shell	Shell	Yes
1	REG	6,000	FLS	7	Mobil	Mobil	Mobil	Yes
1	UL	10,000	FLS	7	Mobil	Mobil	Mobil	Yes
1	PREM	8,000	FLS	7	Mobil	Mobil	Mobil	Yes
1	WO	600	FLS	1	Mobil	Mobil	Mobil	Yes

Penny's!

UNDERGROUND STORAGE TANK INVENTORY INSTRUCTION SHEET

Contents of Tank:

REG	(Leaded - Regular Gas)
UL	(Regular Unleaded Gas)
PREM	(Premium - Super Unleaded Gas)
WO	(Waste Motor Oil)
K-I	(Kerosene)
DSL	(Diesel)
FO#	(Fuel Oil - Indicate Grade #)

If the tank is empty, enter "empty" and the last product stored.

Capacity: List the maximum capacity of the tank in gallons.

Material of Tank Construction:

BS	= Bare Steel or Tar Coated Steel
FRP	= Fiberglass
CPS	= Cathodically Protected Steel
STI-P3	= Steel Tank Institute - Triple Protection
FLS	= Fiberglass Lined Steel
FCS	= Fiberglass Coated Steel

Age of Tank: List the year the tank was installed in the ground. If unknown, enter the approximate year of installation and put a "?" after the year.

Fax # (714) 837-5957

EMG An Environment For Success

11011 McCORMICK ROAD
BALTIMORE MARYLAND 21031

410 785 6200 / 800 733 0660
FAX 410 785 6220

LAGUNA Hills, Ca.
92653

Re: 24099-24300 LAGUNA HILLS MALL
24001 AVENIDA DE LA CARLOTTA
24032 EL TORO ROAD
23521-23541 CALLE DE LA LOUISA (ODD ADDRESSES ONLY)

Dear Mr. RALPH PALMORES

EMG is an environmental consulting firm acting pursuant to the request of the owners of the subject facility to conduct an investigation of current or historical conditions which could potentially impact the environmental condition of the property. Through the Freedom of Information Act, we request any available information on file which is related to potential environmental issues concerning the above referenced facility. Specifically, please provide access to information concerning existing or historical conditions and violations relating to:

- INDUSTRIAL WASTE PERMITS

Please include EMG Project Number 30322012.97B on all correspondence forwarded to our offices; any written responses should be sent to the following address:

Mr. John Stevens
EMG, Inc.
11011 McCormick Road
Hunt Valley, Maryland 21031

Environmental Management Group appreciates your efforts in responding to this request and if you have additional questions, please contact this office at (410) 785-6200 or 1-(800)-733-0660 (Ext 304)

Sincerely,
Mr. John Stevens
EMG, Inc.

COUNTY OF ORANGE

CUSTODIAN OF RECORDS
515 N SYCAMORE
P.O. BOX 355
SANTA ANA, CA 92702
Hazardous Waste / Tanks (714) 834-3446
Animal Control / Health Inspect. (714) 834-2147
FAX - (714) 835-9312

REQUEST FOR RECORDS

The undersigned hereby requests a copy of record prepare and maintained in the ordinary course of business concerned at or near the time of the act, condition, or event which they depict by the County of Orange Health Care Agency.

The records requested are public documents and are not protected by Federal or State confidentiality statutes. Nevertheless, should any confidential information pertaining to individuals or entities, corporations, partnerships, or organizations be inadvertently included in any of the records, the undersigned agrees to protect that confidentiality and recognized that unauthorized release or disclosure of confidential information may make the undersigned subject to civil action under provision of Federal and California statues.

The undersigned understands that the County will charge $0.15 per page copied. If request is to be canceled, this office must be notified at the above number within five (5) days of receipt of request, otherwise cost incurred will be charged to the undersigned.

Specific records are: 10 Sites Per Request only

24001 AVENIDA DE LA CARLOTTA
24032 El Toro Road
24155 LAGUNA HILLS MALL
23521 & 23541 CALLE DE LA LOUISA

LAGUNA HILLS, CA. 92653

Records are required for the purpose of: Environmental Site Assessment

SIGNATURE of Requester

G. Rob Loomer — Environmental Management Group
PRINT Name of Requester and Company Name (If applicable)

11011 McCormick Rd. — (410) 785-6200
PRING Street Address — Area Code & Phone Number

Hunt Valley, Ca. Md. 21031 — 8/13/97
PRINT City, State & Zip Code — Date

COUNTY OF ORANGE, CALIFORNIA
Health Care Agency

CUSTODIAN OF RECORDS
515 N. Sycamore, Room 101
Santa Ana, CA 92701

Telephone: (714) 834-3446
FAX: (714) 835-9312

Mailing Address: P.O. Box 355
Santa Ana, CA 92702

HAZARDOUS WASTE INFORMATION CHECKLIST

Please check the appropriate items below. This will enable us to search the actual files that you need, therefore, cutting down the time spent searching for records that you may not want.

SITE SPECIFIC INFORMATION

- ✓ Hazardous Waste Generator files (complete file)
- ✓ Underground Storage Tank files (complete file)
- ✓ Leaking Underground Storage Tank cleanup
- ✓ Hazardous Waste site cleanup (industry cleanup)
- ✓ Solid Waste Facility File (large files — need to be specific)
- ✓ Hazardous Waste Spill Response Logs (emergency incidents)
  - ____ **ACTIVE** (ongoing cases) ____ **CLOSED** (resolved cases)
- ✓ Hazardous Waste, Underground Storage Tank and Infectious Waste Investigation request files (complaints regarding the above)
  - ✓ **ACTIVE** (ongoing cases) ✓ **CLOSED** (resolved cases)
- ✓ Proposition 65 reports

LISTS AVAILABLE

- ____ List of Underground Storage Tank facilities (computer printout for all Orange County)
- ____ List of Underground Storage Tank cleanups (computer printout for all Orange County)
- ____ List of Hazardous Waste Generator facilities (computer printout for all Orange County)
- ____ List of Industrial Cleanup Sites
- ____ List of pending solid waste Facilities Permit applications
- ____ Solid Waste Facility Inventory Report (includes old solid landfills)
- ____ Chronological Log of Enforcement and Legal Actions (Solid Waste)

OTHER INFORMATION _____

_____

_____

_____

EMG An Environment For Success.

11011 McCORMICK ROAD
BALTIMORE, MARYLAND 21031

410 785 6200 / 800 733 0660
FAX 410 785 6220

Laguna Hills, Ca. 92653

Re: 24099-24300 LAGUNA HILLS MALL
24001 AVENIDA DE LA CARLOTTA
24032 EL TORO ROAD
23521-23541 CALLE DE LA LOUISA (ODD ADDRESSES ONLY)

Dear Ms. GERMAINE BEDARD,

EMG is an environmental consulting firm acting pursuant to the request of the owners of the subject facility to conduct an investigation of current or historical conditions which could potentially impact the environmental condition of the property. Through the Freedom of Information Act, we request any available information on file which is related to potential environmental issues concerning the above referenced facility. Specifically, please provide access to information concerning existing or historical conditions and violations relating to:

- HAZARDOUS MATERIALS, HAZARDOUS WASTES, & USTs. (See Attached Request form)

Please include EMG Project Number 30322012.97B on all correspondence forwarded to our offices; any written responses should be sent to the following address:

Mr. John Stevens
EMG, Inc.
11011 McCormick Road
Hunt Valley, Maryland 21031

Environmental Management Group appreciates your efforts in responding to this request and if you have additional questions, please contact this office at (410) 785-6200 or 1-(800)-733-0660 (Ext 304).

Sincerely,
Mr. John Stevens
EMG, Inc.

EMG An Environment For Success.

11011 McCORMICK ROAD
BALTIMORE, MARYLAND 21031

410 785 6200 / 800 733 0660
FAX 410 785 6220

LAGUNA HILLS, CA. 92653

Re: 24099-24300 LAGUNA HILLS MALL
24001 AVENIDA DE LA CARLOTTA
24032 EL TORO ROAD
23521-23541 CALLE DE LA LOUISA (ODD ADDRESSES ONLY)

Dear MR. PAT HALL,

EMG is an environmental consulting firm acting pursuant to the request of the owners of the subject facility to conduct an investigation of current or historical conditions which could potentially impact the environmental condition of the property. Through the Freedom of Information Act, we request any available information on file which is related to potential environmental issues concerning the above referenced facility. Specifically, please provide access to information concerning existing or historical conditions and violations relating to:

- HAZARDOUS MATERIALS, HAZARDOUS WASTE, & USTs

Please include EMG Project Number 30322012.97B on all correspondence forwarded to our offices; any written responses should be sent to the following address:

MR. JOHN STEVENS
EMG, Inc.
11011 McCormick Road
Hunt Valley, Maryland 21031

Environmental Management Group appreciates your efforts in responding to this request and if you have additional questions, please contact this office at (410) 785-6200 or 1-(800)-733-0660 (Ext 304).

Sincerely,
MR. JOHN STEVENS
EMG, Inc.

"COMMUNITY RIGHT TO KNOW" RECORDS SEARCH FORM

CHECK ONE: ✓ Hazardous Materials Disclosure Office

___ Code Enforcement (Fire Violations/Permits)

Please use one form per address. You may photocopy this form if additional forms are needed.

Records Search Requested for the Following Address:

LAGUNA HILLS MALL
Name of Business

24099-24300 LAGUNA HILLS MALL
Address (one address per form) Street — Suite #

LAGUNA HILLS — CA. — 92653
City — State — Zip

Environmental Site Assessment
Reason for the request

Code Enforcement Information Requested:

Fire Code Violation History

- ☐ Current Occupant
- ☐ Previous Occupant

Permits

- ☐ Current Permits
- ☐ All Permits on File

Other

- ☐ Specify _____

Information Requested By:

Mr. John Stevens — (410) 785-6200 — (410) 785-6220
Print Name of Requester — Phone Number — FAX Number

ENVIRONMENTAL MANAGEMENT GROUP
Requester's Company Name

11011 McCormick Rd.
Company Address Street

Hunt Valley — Md. — 21031
City — State — Zip

You would like the information: ✓ Mailed to you ___ Hold for pickup

Official Use Only

Request received ___/___/___ Processed by _____ Insp. #_____

___ Records found in system ___ Records not found in system (Notify requester in writing)

Trade secret chemicals have been disclosed ___ Yes ___ No

Certified letter mailed to business ___/___/___ Rtn receipt received ___/___/___

Certified letter mailed to requester ___/___/___ Rtn receipt received ___/___/___

Injunction received within 30 days ___/___/___ Information released ___/___/___

Rev. 5/17/96

"COMMUNITY RIGHT TO KNOW" RECORDS SEARCH FORM

CHECK ONE: ✓ Hazardous Materials Disclosure Office

___ Code Enforcement (Fire Violations/Permits)

Please use one form per address. You may photocopy this form if additional forms are needed.

Records Search Requested for the Following Address:

LAGUNA HILLS MALL
Name of Business

24032 El Toro Road
Address (one address per form) Street — Suite #

LAGUNA HILLS — CA. — 92653
City — State — Zip

Environmental Site Assessment
Reason for the request

Code Enforcement Information Requested:

Fire Code Violation History

- ☐ Current Occupant
- ☐ Previous Occupant

Permits

- ☐ Current Permits
- ☐ All Permits on File

Other

- ☐ Specify _____

Information Requested By:

Mr. John Stevens — (410) 785-6200 — (410) 785-6220
Print Name of Requester — Phone Number — FAX Number

ENVIRONMENTAL MANAGEMENT GROUP
Requester's Company Name

11011 McCormick Rd.
Company Address — Street

Hunt Valley — Md. — 21031
City — State — Zip

You would like the information: ✓ Mailed to you ___ Held for pickup

Official Use Only

Request received ___/___/___ Processed by _____ Insp. #_____

___ Records found in system ___ Records not found in system (Notify requester in writing)

Trade secret chemicals have been disclosed ___ Yes ___ No

Certified letter mailed to business ___/___/___ Rtn receipt received ___/___/___

Certified letter mailed to requester ___/___/___ Rtn receipt received ___/___/___

Injunction received within 30 days ___/___/___ Information released ___/___/___

Rev 5/17/96

"COMMUNITY RIGHT TO KNOW" RECORDS SEARCH FORM

CHECK ONE: ✓ Hazardous Materials Disclosure Office

___ Code Enforcement (Fire Violations/Permits)

Please use one form per address. You may photocopy this form if additional forms are needed.

Records Search Requested for the Following Address:

LAGUNA HILLS MALL
Name of Business

24001 AVENIDA DE LA CARLOTTA
Address (one address per form) Street — Suite #

LAGUNA HILLS — CA. — 92653
City — State — Zip

Environmental Site Assessment
Reason for the request

Code Enforcement Information Requested:

Fire Code Violation History

- ☐ Current Occupant
- ☐ Previous Occupant

Permits

- ☐ Current Permits
- ☐ All Permits on File

Other

- ☐ Specify _____

Information Requested By:

Mr. John Stevens — (410) 785-6200 — (410) 785-6220
Print Name of Requester — Phone Number — FAX Number

ENVIRONMENTAL MANAGEMENT GROUP
Requester's Company Name

11011 McCormick Rd.
Company Address Street

Hunt Valley — Md. — 21031
City — State — Zip

You would like the information: ✓ Mailed to you ___ Held for pickup

Official Use Only

Request received ___/___/___ Processed by _____ Insp. #_____

___ Records found in system ___ Records not found in system (Notify requester in writing)

Trade secret chemicals have been disclosed ___ Yes ___ No

Certified letter mailed to business ___/___/___ Rtn receipt received ___/___/___

Certified letter mailed to requester ___/___/___ Rtn receipt received ___/___/___

Injunction received within 30 days ___/___/___ Information released ___/___/___

Rev. 5/17/96

"COMMUNITY RIGHT TO KNOW" RECORDS SEARCH FORM

CHECK ONE: ✓ Hazardous Materials Disclosure Office

____ Code Enforcement (Fire Violations/Permits)

Please use one form per address. You may photocopy this form if additional forms are needed.

Records Search Requested for the Following Address:

LAGUNA HILLS MALL
Name of Business

23521-23541 CALLE DE LA LOUISA
Address (one address per form) Street Suite #

LAGUNA HILLS CA. 92653
City State Zip

Environmental Site Assessment
Reason for the request

Code Enforcement Information Requested:

Fire Code Violation History

- ☐ Current Occupant
- ☐ Previous Occupant

Permits

- ☐ Current Permits
- ☐ All Permits on File

Other

- ☐ Specify _____

Information Requested By:

Mr. John Stevens (410) 785-6200 (410) 785-6220
Print Name of Requester Phone Number FAX Number

ENVIRONMENTAL MANAGEMENT GROUP
Requester's Company Name

11011 McCormick Rd.
Company Address Street

Hunt Valley Md. 21031
City State Zip

You would like the information: ✓ Mailed to you ____ Held for pickup

Official Use Only

Request received __/__/__ Processed by _____ Insp. #____

____ Records found in system ____ Records not found in system (Notify requester in writing)

Trade secret chemicals have been disclosed ____ Yes ____ No

Certified letter mailed to business __/__/__ Rtn receipt received __/__/__

Certified letter mailed to requester __/__/__ Rtn receipt received __/__/__

Injunction received within 30 days __/__/__ Information released __/__/__

Rev. 5/17/96

EMG An Environment For Success.

11011 McCORMICK ROAD
BALTIMORE, MARYLAND 21031

410 785 6200 / 800 733 0660
FAX 410 785 6220

Laguna Hills, Ca.
92653

Re: 24099-24300 LAGUNA HILLS MALL
24001 AVENIDA DE LA CARLOTTA
24032 EL TORO ROAD
23521-23541 CALLE DE LA LOUISA (ODD ADDRESSES ONLY)

Dear Ms. MARGIE QUIROZ,

EMG is an environmental consulting firm acting pursuant to the request of the owners of the subject facility to conduct an investigation of current or historical conditions which could potentially impact the environmental condition of the property. Through the Freedom of Information Act, we request any available information on file which is related to potential environmental issues concerning the above referenced facility. Specifically, please provide access to information concerning existing or historical conditions and violations relating to:

- USTs or LUSTs

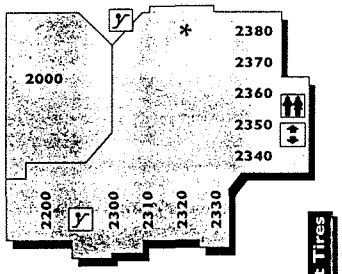
Please include EMG Project Number 30322012.97B on all correspondence forwarded to our offices; any written responses should be sent to the following address:

EMG, Inc.
11011 McCormick Road
Hunt Valley, Maryland 21031

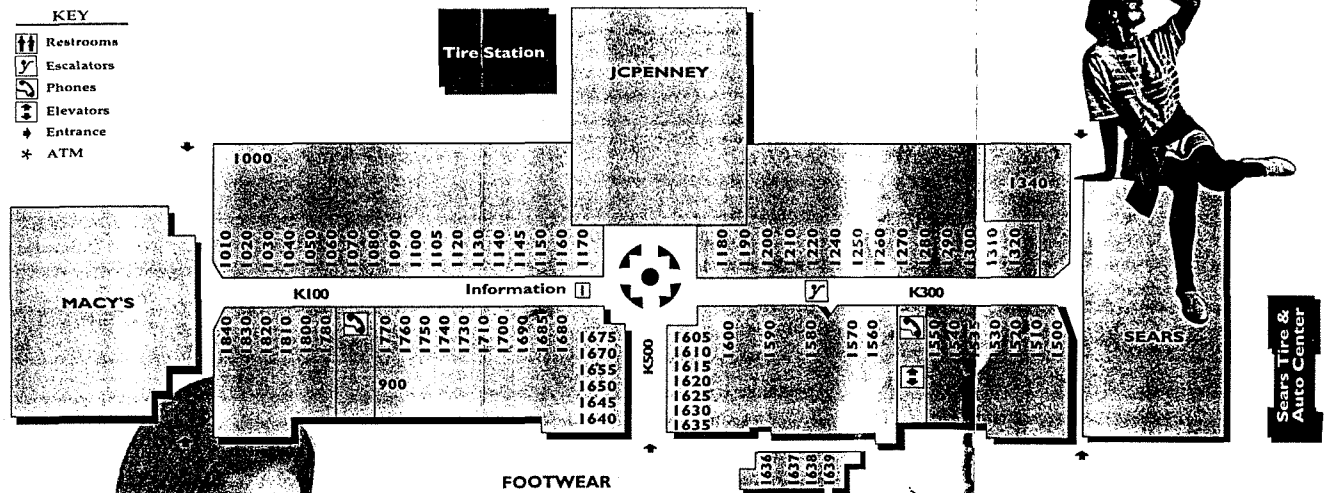
Environmental Management Group appreciates your efforts in responding to this request and if you have additional questions, please contact this office at (410) 785-6200 or 1-(800)-733-0660 (Ext 304).

Sincerely,
Mr. John Stevens
EMG, Inc.

Mall directory



FOOD COURT
UPPER LEVEL



DEPARTMENT STORES

	MACY'S	586-1901
	JCPENNEY	581-7700
	SEARS	206-4700

RESTAURANTS & SPECIALTY FOODS

1010	AU BON PAIN	768-9688
2350	BURGER KING	768-1410
2320	CAJUN CAFE	452-1781
1000	CALIFORNIA PIZZA KITCHEN	458-9600
2370	CHINESE EXPRESS	472-0323
2330	CREATIVE CROISSANTS	855-8477
1635	HEIDI'S / SWENSEN'S EXPRESS	458-1162
2340	HOT DOG ON A STICK (800)	321-8400
2310	MIS AMIGOS	597-0942
1320	MRS. FIELD'S BAKERY CAFE	855-2993
2360	NIKI'S TANDOORI EXPRESS	586-0663
2300	QUIZNO'S CLASSIC SUBS	462-0140
1310	ROCCO'S PRETZEL WORKS	830-1022
1690	ROUND TABLE PIZZA	586-0540
1636	RUBY'S DINER	588-7829
2380	SBARRO	768-9906
1180	SEE'S CANDIES	457-9307
1680	SWEET FACTORY	581-3898

HOME ENTERTAINMENT & ELECTRONICS

1810	RADIO SHACK	830-0520
1530	SAM GOODY'S MUSICLAND	586-9090
1800	SUNCOAST MOTION PICTURE CO.	457-8010
1645	VIRTROPOLIS	505-0709

WOMEN'S APPAREL

1710	CACIQUE	457-0198
1160	CHARLOTTE RUSSE	588-5866
1060	CONTEMPO CASUALS	586-8974
1570	EXPRESS	859-6157
1580	THE LIMITED	472-9366
1220	VICTORIA'S SECRET	770-2811
1240	WET SEAL	768-1757

MEN'S APPAREL

1100	CHINO	460-9066
1760	PACIFIC SUNWEAR	458-3457
1590	STRUCTURE	458-9382

FAMILY APPAREL

1140	GAP	597-8081
1280	MILLER OUTPOST	768-5022

SPECIALTY APPAREL

1130	GAP KIDS	[illegible]
1610	FOXMOOR	[illegible]
1070	LIMITED TOO	[illegible]

PERSONAL SERVICE

1510	HORIZON BEAUTY SUPPLY	[illegible]
1020	JULIAN [illegible]	[illegible]
1640	LAGUNA [illegible]	[illegible]
1000	LINN[illegible]	[illegible]

FOOTWEAR

1685	CATHY JEAN	951-0683
1030	FOOTACTION	837-3336
1260	FOOT LOCKER	855-4311
1140	GAPKIDS	597-8074
1250	KINNEY SHOES	581-8320
1535	PAYLESS SHOESOURCE	452-9413
1830	SHOE EMPORIUM	855-4497
1670	STRIDE RITE	837-5880

CARDS, GIFTS & BOOKS

2000	B. DALTON BOOKSELLER	452-1761
1500	BETWEEN FRIENDS	859-1445
1560	CARDAMERICA	859-7303
1770	CARLTON CARDS	581-4950
1120	COACH HOUSE GIFTS	581-8862

HOME FURNISHINGS

1650	DECK THE WALLS	580-0900
1780	LECHTERS HOUSEWARES	581-3797

JEWELRY & ACCESSORIES

1190	CLAIRE'S BOUTIQUE	770-6455
1200	GOLDMAN JEWELERS	454-0200
1600	KAY JEWELERS	380-8097
K300	PIERCING PAGODA	855-9711
K100	PLUMB GOLD	[illegible]9171
1040	SWISS WATCH GALLERY	[illegible] soon
1625	WATCH PLUS	[illegible]83-9282
1270	WEISFIELD JEWELERS	586-8787
1675	ZALES JEWELRY	830-9500

SPECIALTY STORES

1570	BATH & BODY WORKS	859-2774
1840	CAL STORES	586-8898
1520	CHAMPS SPORTS	855-1363
1210	THE DISNEY STORE	581-7694
1700	FANTASY TOYS	707-5040
1170	GARDEN BOTANIKA	597-9237
1550	GENERAL NUTRITION CENTER	586-4599
1510	HORIZON BEAUTY SUPPLY	951-5718
1050	KAY BEE TOYS	837-9020
1615	KITS CAMERA/ONE HOUR PHOTO	859-7539
1105	RICHARD'S LUGGAGE	855-1147
1630	SANRIO SURPRISES	598-0199
1605	SUNGLASS HUT	770-7503
K500	THINGS REMEMBERED	472-3108

ENTERTAINMENT

1340	LAGUNA HILLS CINEMA	768-6611
2200	TILT	837-0424

SERVICES

*	GLENDALE FEDERAL BANK ATM	
1637	GOLDEN CIRCLE/ AMERICAN EXPRESS TRAVEL	837-4900
I	INFORMATION BOOTH	586-8282
	JUST TIRES	586-7630
	TIRE STATION	581-4700
	SEARS TIRE & AUTO CENTER	206-4728
900	MALL MANAGEMENT OFFICE	[illegible]

©C.G. 6/1997

TENANT SPACE CONVERSION

TENANT	OLD SPACE #	NEW SPACE #	OLD ADDRESS
CALIFORNIA PIZZA	N/A	1000	N/A
SHOP	A-1	1010	24102
JULIAN HANS	N/A	1020	N/A
FOOTACTION	A-2	1030	24112
RONDA JEWELERS	A-3	1040	24122
KAY-BEE TOYS	A-4	1050	24126
CONTEMPO CASUALS	A-5	1060	24132
ANIMAL KINGDOM	A-6	1070	24136
COACH HOUSE	A-7	1080	24142
LENS CRAFTERS	A-8	1090	24146
ACCESSORY PLACE	A-9	1100	24152
PAL'S	A-10	1105	24156
SHOP	A-11	1120	24162
HANDBAGS & LUGGAGE	A-12	1130	24164
TILT	A-13	1140	24166
CHINESE EXPRESS	A-14	1145	24172
	A-15	1160	24176
CHARLOTTE RUSSE	A-16	1160	24182
L.H. PENDLETON	A-17	1170	24192
JC PENNEY			24200
SEE'S CANDIES	B-1	1180	24202
	B-2	1180	24206
CLAIRE'S BOUTIQUE	B-3	1190	24212
KIT'S CAMERA	B-4	1200	24216
SHOP	B-5	1210	24222
VICTORIA'S SECRET	B-6	1220	24226
	B-7	1220	24232
WET SEAL	B-8	1240	24242
KINNEY SHOES	B-9	1250	24252
FOOTLOCKER	B-10	1260	24256
WEISFIELD JEWELERS	B-11	1270	24262
HILLER'S OUTPOST	B-12	1280	24266

TENANT	OLD SPACE #	NEW SPACE #	OLD ADDRESS
WALDENBOOKS	B-13	1290	24272
GNC	B-14	1300	24276
SHOP	B-15	1310	24278
MRS FIELD'S BAKERY	B-16	1320	24282
L.H. CINEMA	B-17	1340	24292
SEARS			24300
BETWEEN FRIENDS	D-20	1500	24291
SHOP	D-19	1510	24287
CHAMPS	D-18	1520	24285
SAM GOODY'S	D-17	1530	24275
SHOP	D-16	1540	24271
	D-15	~~1540~~	24265
SHOP	D-14	1550	24261
RIEDER'S CARDS	D-12	1560	24255
EXPRESS	D-11	1570	24241
LIMITED	D-10	1580	24231
STRUCTURE	D-9	1590	24225
	D-8	1590	24223
KAY JEWELERS	D-7	1600	24221
UNITS	D-6.5	1605	24219A
GLORIA JEAN'S	D-6	1610	24219
HOT DOG ON A STICK	D-5	1615	24217
CREATIVE CROISSANT	D-4	1620	24213
WATCH PLUS	D-3	1625	24721
T.J. CINNAMONS	D-2	1630	24209
HEIDI'S/SWENSEN'S	D-1	1635	24207
CARL'S JR	C-23	1640	24205
L.H. OPTOMETRIC	C-22	1645	24201
TIME-O-MAX	C-21	1650	24199
SHOP	C-20	1655	24197
STRIDE-RITE SHOES	C-19	1670	24195
ZALES	C-18	1675	24191
SWEET FACTORY	C-17	1680	24189

TENANT	OLD SPACE #	NEW SPACE #	OLD ADDRESS
CATHY JEAN	C-16	1685	24187
ROUND TABLE PIZZA	C-15	1690	24181
CUTLERY WORLD	C-14	1700	24175
CACIQUE	C-13	1710	24171
D.J.'S FASHIONS	C-12	1730	24165
RUSSO'S PETS	C-11	1740	24161
LITTLE FOLKS	C-10	1750	24151
PACIFIC SUNWEAR	C-9	1760	24145
MANAGEMENT			24155
CARLTON CARDS	C-8	1770	24141
LECHTERS	C-7	1780	24135
	C-6	1780	24131
FELLINI	C-5	1800	24125
RADIO SHACK	C-4	1810	24121
P.S. PLUS SIZES	C-3	1820	24107
SHOE EMPORIUM	C-2	1830	24105
CAL SPORT	C-1	1840	24101

7	-	0	6	3	-	0	7	-	6	3	7	0

KITS CAMERAS #29
603 STE 1200
24155 LAGUNA HILLS MALL
LAGUNA HILLS CA 92653-3667

BILL TO
1-181-01-0379
KITS CAMERA INC
ATTN ACCTS PAYABLE
6061 S 194TH ST
KENT WA 98032

581-Kits 5487 A/P

CREDIT CODE	PREV. BALANCE	BAL. OVER 60 DAYS
2	265.49	49.00

BUSINESS TYPE	CHAIN	OUTER COUNTY	SVC. P/C	PROD. P/C
17	5436	NO	074	067

TAX EXEMPTION NUMBER

CUSTOMER

SERVICE DATE	SALES REP NO.	CUSTOMER P.O. NUMBER	CUSTOMER PHONE #	TAX CODE	HANDLING CODE	ASSOC. CODE	SERVICE TAX	C.O.M.S. TAX	PRODUCT TAX
03-17-1061			714-559-7559	05-050-4284	N		.0775		.0775

DEPT	SERVICE/ PRODUCT	SERIAL NUMBER	REMARKS	QUAN.	CHARGE	SALES TAX	TOTAL CHARGE	WASTE MIN.	SOLVENT/DRUMS CLEAN	SPENT	# OF CONT	SK DOT	CC	SERVICE TERM	CHANGE SERVICE TERM (WEEKS)(INITIAL)	CHANGE SCH. DATE (YY WW)	INV CODE	PROMO NO.	RELEASE NO.	MSD GIVE
	CD27500	0000456		1	40.00	3.01	43.01	0.00						4						

TOTAL-SERVICE/PRODUCTS 40.00 3.01 43.01 0.00

CHECK APPROPRIATE BOXES →

	GOOD	POOR
MACHINE CONDITION & CLEANLINESS	☐	☐
LAMP ASSEMBLY CONDITION	☐	☐

	YES	NO
DECALS IN PLACE AND LEGIBLE	☐	☐
FUSIBLE LINK INSTALLED	☐	☐
EMERGENCY CLOSING OF LID UNOBSTRUCTED	☐	☐
MACHINE PROPERLY GROUNDED	☐	☐
LOCAL PHONE NO. STICKER AFFIXED TO MACHINE	☐	☐
SPENT SOLVENT MEETS ACCEPTANCE CRITERIA	☐	☐

MANIFEST NO.	USEPA TRANSPORTER ID NO.	GENERATOR USEPA ID NO.	GENERATOR STATE ID NO.
XXXXX	ILD984905602	CAL000136155	

11. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID.)

12. CONTAINERS NO.	TYPE	13. TOTAL QUANTITY	14. UNIT WT/VOL	SK DOT NUMBER

I CERTIFY THAT MY TOTAL WASTE STREAMS ARE WITHIN ONE OF THE FOLLOWING CATEGORIES.

0 TO 220 LBS./MONTH — INITIALS

220 LBS. TO 2,200 LBS./MONTH — INITIALS

GREATER THAN 2,200 LBS./MONTH — INITIALS

DESIGNATED FACILITY NAME AND ADDRESS

USA EPA ID NO.

STATE ID NO.

PAYMENT RECEIVED SECTION

CASH ☐ | TOTAL RECEIVED | APPLY PAYMENT TO: ☐ TODAY'S SERVICE/SALE ☐ PREVIOUS BALANCE AS FOLLOWS

CHECK NUMBER

INVOICE #	AMOUNT $	INVOICE #	AMOUNT $

PREVIOUS CREDIT CARD NO.

CREDIT CARD NO. | AMEX VISA MC | EXP. DATE

CUSTOMER REFERENCE

LDR MESSAGE

MANIFEST CODE	SEQ #

IN THE EVENT OF AN EMERGENCY CALL 1-800-468-1760 (24 hours)

I AGREE TO PAY THE ABOVE CHARGES AND TO BE BOUND BY THE TERMS AND CONDITIONS SET FORTH ABOVE AND ON THE REVERSE SIDE OF THIS DOCUMENT. PLEASE CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT RECEIVED SECTION. THE INDIVIDUAL SIGNING THIS DOCUMENT IS DULY AUTHORIZED TO SIGN AND BIND CUSTOMER TO ITS TERMS.

"This is to certify that the above-named materials are properly classified, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation."

Print Customer Name: Sara Gregor

By: Sara Gregor
Customer's Authorized Representative

TOTAL CHARGE (FROM ABOVE)	
WASTE MIN (FROM ABOVE)	
TOTAL DUE	43.10

754637

7-088-77-6370-1

THIS AGREEMENT CONTINUES ON THE REVERSE SIDE

SERVICE AND SALES ACKNOWLEDGMENT

Evergreen Environmental Services

dedicated to the protection of the environment

To schedule a pickup, call
800-972-5284

7200 Central Ave., Newark, CA EPA# CAD982413262
10712 Vernon Ave., Ontario CA EPA# CAL000027724

Send payment to:
Evergreen
P.O. Box 45987
San Francisco, CA 94145

Bill of Lading / Invoice

INVOICE 601282

Date 6-26-97

B LOCATION	BILLING INFORMATION		
AME: TIRE STATION	NAME: SAME		CASH ☐ CHECK ☐ #
DDRESS: 24196 LAGUNA HILLS MALL	ADDRESS		CUSTOMER CODE NO.
CITY: LAGUNA HILLS STATE: CA ZIP: 92653 CO	CITY STATE ZIP CO		PO #
HONE NO.: 714 581-4700	PHONE NO.: ( )	PROFILE NO.	CUSTOMER EPA ID NO.: CAD981926756

PRODUCT		WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used oil, Non-RCRA Hazardous	Lubricating	CA 221	96382638	250	Gal		50.00
aste, Liquid	Industrial	CA 221			Gal		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid		CA 134			Gal		
Q Waste Petroleum Oil NOS Combustible Liquid UN 270 III (Oil contaminated with halogens)		CA 221 F001/F002			Gal		
il & Water, Non-RCRA Hazardous Waste. Liquid		CA221			Gal		
Waste Solids and Sludges					Gal		
ash-out					Each		
Drained Used Oil Filters					Drum		
on-RCRA Hazardous Waste Solids (oily debris)		CA 223			Drum		
npty Drums					Drum		
Transportation					Hrs.		
ther:							
ther:							
Other:							
ther:							
ther:							
Other:							
ther:							
ther:							

TEST SAME PASS ☑ FAIL ☐ PPM Test

☑ Collection Station ☐ Agricultural Source
☐ Government Source ☐ Industrial Source
☐ Marine Source

SAMPLE 50

NET 7 DAYS TOTAL CHARGES 50.00

Accounting Office 510-795-4400 Please Pay From This Invoice

TSDF: Evergreen Oil, Inc.
6880 Smith Avenue
Newark, CA 94560
EPA# CAD980887418

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the waste has been disclosed. This further serves as notification that the above liquid wastes are banned from land disposal pursuant to Title 22 Section 66268.7 (a)(10). I also acknowledge that I have read and agree to the terms on the reverse side of this form.

DRIVER	ROUTE #	DRIVER SIGNATURE	GENERATOR'S SIGNATURE	PRINT NAME
DAWN	4012			

SOH 96174756

Evergreen Environmental Services

dedicated to the protection of the environment

To schedule a pickup, call
800-972-5284

7200 Central Ave., Newark, CA EPA# CAD982413262
10712 Vernon Ave., Ontario CA EPA# CAL000027724

Send payment to:
Evergreen
P.O. Box 45987
San Francisco, CA 94145

Bill of Lading / Invoice

INVOICE 596586

Date 5-29-97

3 LOCATION	BILLING INFORMATION	
AME: TIRE STATION	NAME: SAME	CASH ☐ CHECK ☐ #
DDRESS: 4196 LAGUNA HILLS MALL	ADDRESS	CUSTOMER CODE NO.
CITY: AGUNA HILLS STATE: CA ZIP: 92653 CO:	CITY STATE ZIP CO	PO #
ONE NO.: 714 581-4700	PHONE NO. ( ) / PROFILE NO.	CUSTOMER EPA ID NO.: CAD981976756

RODUCT	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
ed oil, Non-RCRA Hazardous Lubricating	CA 221	96333496	130	Gal		50.00
aste, Liquid Industrial	CA 221			Gal		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid	CA 134			Gal		
Waste Petroleum Oil NOS Combustible Liquid UN 70 III (Oil contaminated with halogens)	CA 221 F001 F002			Gal		
Oil & Water, Non-RCRA Hazardous Waste, Liquid	CA221			Gal		
aste Solids and Sludges				Gal		
ash-out				Each		
Drained Used Oil Filters				Drum		
on-RCRA Hazardous Waste Solids (oily debris)	CA 223			Drum		
npty Drums				Drum		
Transportation				Hrs.		
her:						
her:						
Other:						
her:						
her:						
Other:						
her:						
her:						

TEST FLAME PASS ☑ FAIL ☐ PPM Test

Collection Station ☐ Agricultural Source
Government Source ☐ Industrial Source
☐ Marine Source
SAMPLE 28

NET 7 DAYS **TOTAL CHARGES** 50.00

Accounting Office 510-795-4400 **Please Pay From This Invoice**

TSDF: Evergreen Oil, Inc.
6880 Smith Avenue
Newark, CA 94560
EPA# CAD980887418

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the waste has been disclosed. This further serves as notification that the above liquid wastes are banned from land disposal pursuant to Title 22 Section 66268.7 (a)(10). I also acknowledge that I have read and agree to the terms on the reverse side of this form.

DRIVER	ROUTE #	DRIVER SIGNATURE	GENERATOR'S SIGNATURE	PRINT NAME
DAWN	YOLA			

SHIES 96159121

ergreen Environmental Services

dedicated to the protection of the environment

To schedule a pickup, call
800-972-5284

0 Central Ave., Newark, CA EPA# CAD982413262
10712 Vernon Ave., Ontario CA EPA# CAL000027724

Send payment to:
Evergreen
P.O. Box 45987
San Francisco, CA 94145

Bill of Lading / Invoice
564797

INVOICE

Date 03-25-97

LOCATION	BILLING INFORMATION	
E: IRESTONE TIRES (TIRE STORES	NAME ← SAME	CASH ☐ CHECK ☐ #
DDRESS: 96 laguna Hills mall	ADDRESS	CUSTOMER CODE NO. TIS913
STATE ZIP CO: UNA Hills CA 92653	CITY STATE ZIP CO	PO #
E NO.: 14) 581-4700	PHONE NO. ( ) / PROFILE NO.	CUSTOMER EPA ID NO. CAD981976756

DUCT	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
d oil, Non-RCRA Hazardous Lubricating	CA 221			Gal		
Liquid Industrial	CA 221			Gal		
Automotive Antifreeze, Non-RCRA Hazardous ste. Liquid	CA 134			Gal		
aste Petroleum Oil NOS Combustible Liquid UN II (Oil contaminated with halogens)	CA 221 F001 F002			Gal		
Water, Non-RCRA Hazardous Waste. Liquid	CA221	96381587	1,550	Gal		$963.00
Solids and Sludges				Gal		
ut				Each		
ined Used Oil Filters				Drum		
RCRA Hazardous Waste Solids (oily debris)	CA 223	5/07/97	656145	Drum		
Drums	LOCATION	DATE	6 DIGIT	Drum		
nsportation	VENDOR ID # EVERGRE223			Hrs.		
	ACCT. # 6185	AMOUNT 963.00				
er:						
		TOTAL 963.00				
er:	APPROVAL		DATE 5/07/97			
ST PASS ☐	FAIL ☐	PPM	Test			

ection Station ☐ Agricultural Source
ernment Source ☐ Industrial Source
ine Source

NET 7 DAYS TOTAL CHARGES $963.00

Accounting Office 510-795-4400 Please Pay From This Invoice

TSDF: Evergreen Oil, Inc.
6880 Smith Avenue
Newark, CA 94560
EPA# CAD980887418

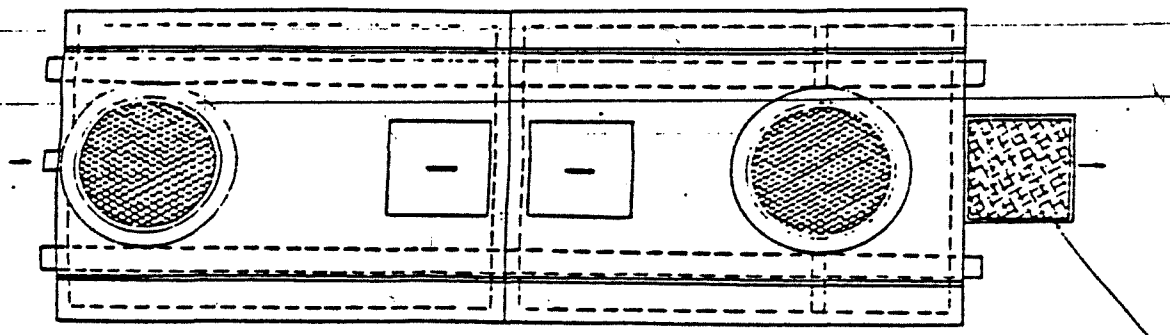
I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the waste has been disclosed. This further serves as notification that the above liquid wastes are banned from land disposal pursuant to Title 22 Section 66268.7 (a)(10). I also acknowledge that I have read and agree to the terms on the reverse side of this form.

VER	ROUTE #	DRIVER SIGNATURE	GENERATOR'S SIGNATURE	PRINT NAME
N	3401	Richard P. Willis		IVAN NORONA

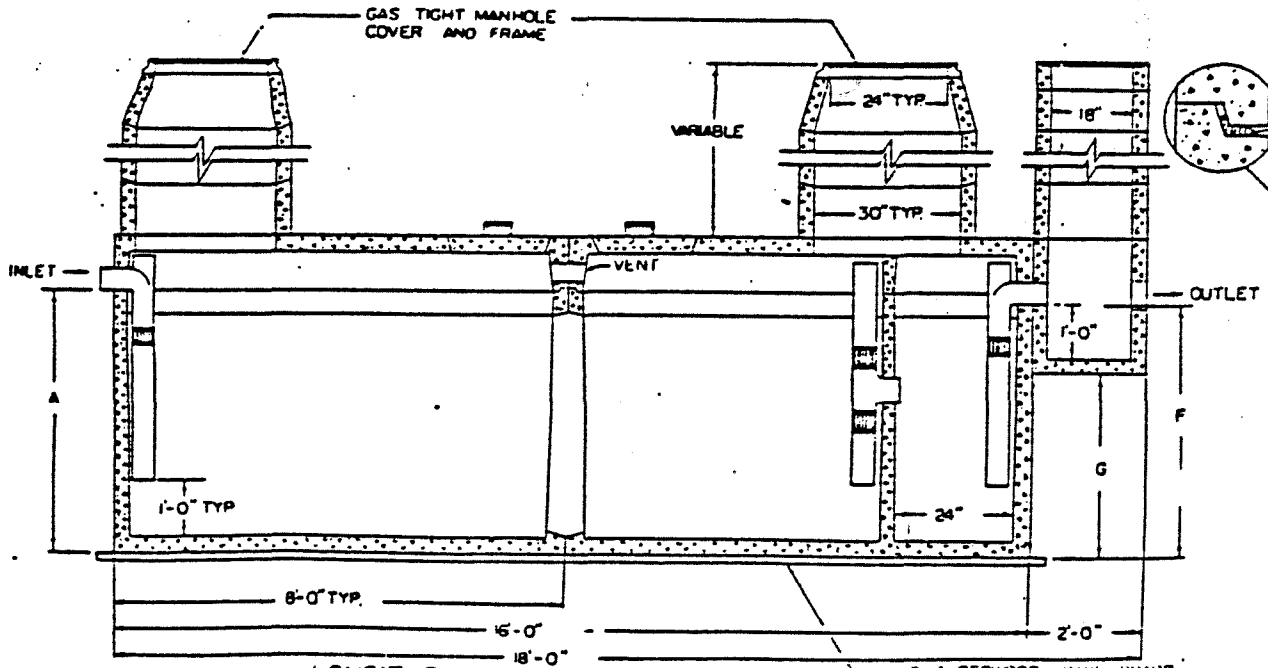
CAVITIN SPECIFICATIONS	BATTERY	BELOW	LENGTH	WIDTH
	2000	4-4"	21-0"	10-0
	2500	5-0"	21-0"	10-0"
	3000	5-0"	21-0"	10-0"

CAPACITY (GAL S)	A	B	C	D	E	F
2000	4-4	5-3	5-11	4-3	4-1"	4-2
2500	5-0	5-11	5-11	4-3	5-11	4-10
3000	5-0"	5-11	6-11"	5-3	4-11"	4-0

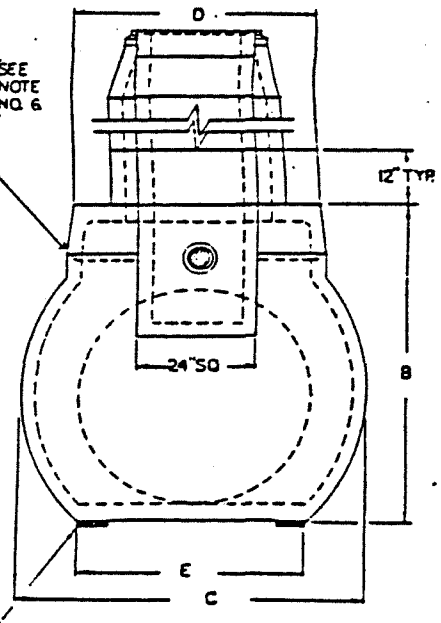
NOTES:
1. STRUCTURAL CALCULATIONS AVAILABLE UPON REQUEST.
2. MATERIAL SPECIFICATIONS:
   A. CONCRETE, PORTLAND CEMENT TYPE II, MINIMUM COMPRESSIVE STRENGTH 3000 PSI. AT 28 DAYS.
   B. REINFORCING BAR INTERMEDIATE GRADE, ASTM A615.
   C. REINFORCING WELDED WIRE MESH ASTM A185.
3. PRECAST UNIT COATED INSIDE WITH AN APPROVED PROTECTIVE COATING.
4. ALL DIMENSIONS + OR - NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS CERTIFIED.
5. PRECAST UNIT TO BE PLACED ON NATURAL SOIL OR APPROVED COMPACTED FILL.
6. STANDARD GROUND WATER SEAL-BUTYL ROPE MASTIC OR CEMENT MORTAR.



PLAN VIEW



LONGITUDINAL SECTION



END VIEW

M.C. NOTTINGHAM CO. OF CALIFORNIA 890 SOUTH ARROYO PKWY. PASADENA, CALIFORNIA 91105	2000 TO 3000 GALLON CAPACITY GREASE INTERCEPTOR TYPICAL FOR PORTIONS OF RIVERSIDE COUNTY	DWG. NO. 8030	DATE. 9-21-78	DRAWN: W.M.E.
		SCALE 1/4"=1'-0"	SHEET 1 OF 1	CHKD.
				REVISED

What is a grease trap?

A grease trap is a tank located inside or outside of a restaurant that receives all wastewater coming from the kitchen drains and sinks. The water must pass through this device prior to entering city sewer lines. The capacity of grease traps varies from 40 gallons to 1500 gallons or more.

Once the contaminated water enters the grease trap, it passes through a number of compartments. The chambers are separated by thin walls, called baffles, which increase retention time. The baffles are made so that they cause the grease, fats and oils to become separated and released from the wastewater. Once released, the grease, fats and oils (all lighter than water) float to the top and accumulate until removed. Thus, grease traps function as holding tanks which separate solids and keep grease out of the sewer. Sources of grease include kitchen wastes and floors.

Grease traps are the primary separation device used by restaurants to separate insoluble fat, oil, and grease (FOG) from effluent being disposed of to the Publicly owned Treatment Works (POTW). Grease trap contents must be regularly pumped to avoid solubilizing FOG, odors, and health hazards. Most of this pumpage is disposed of at landfills.

EMG

30322012.97B

Appendix I

Resumes

EMG

Staff Resume

John A. Stevens, REA

Program Supervisor

As a Program Supervisor for EMG and experienced environmental risk assessor, Mr. Stevens supervises environmental assessments and accompanying risk assessment reports for EMG's Pacific region. These environmental assessments include on-site property evaluations, comprehensive reviews of regulatory data, and public records to identify environmental concerns. Mr. Stevens has received extensive formal training and with his seasoned background, professional certifications, and over ten years of industry experience, he provides diversified environmental services for a wide variety of EMG clients.

Areas of Expertise:

- Phase I and Phase II Environmental Assessments
- Soil vapor and direct push expedited subsurface investigations
- Industrial hygiene surveys for the evaluation and the control of hazardous materials including asbestos, lead, and radon
- Compliance with OSHA, EPA, and AHERA regulations

Professional Experience:

- Conducted environmental property assessments for mortgage bankers, property management groups, and other private clients
- Supervision and evaluation of hazardous materials in construction materials, soil, and water for public and private housing authorities
- Extensive experience in performing and managing Federal and State environmental property assessments
- Performed, supervised, and managed Phase II investigations involving the sampling and analysis of ground water, soil, and soil vapor
- Developed site specific work plans for investigations of suspected environmental hazardous materials
- Indoor air quality assessments and subsurface contamination studies

Education/Certificates/Memberships:

- B.S. in Geography, University of Maryland
- OSHA 40-Hour Health and Safety Training (29 CFR 1910.120)
- Certified U.S. D.O.T Hazardous Material Handler
- Platoon Leader, Environmental Compliance Officer, Maryland National Guard
- Member, Association of Engineering Geologists
- Registered Environmental Assessor (REA)

Printed: August 22, 1997

EMG

Staff Resume

Guy Robin Loomer

Project Manager

An environmental professional with over ten years of experience, Mr. Loomer performs numerous environmental assessments and generates related risk assessment reports for EMG's western region. These environmental assessments include on-site property evaluations, comprehensive reviews of regulatory data and public records to identify environmental concerns. Mr. Loomer has received formal training and with his seasoned background and expertise, provides diversified environmental services for a wide variety of EMG clients.

Areas of Expertise:

- Phase I and II Property Environmental Assessments
- Trained and Managed a nationwide assessment staff in their performance of Environmental Site Assessments as well as Engineering Inspections
- Compliance with OSHA, EPA and AHERA regulations

Professional Experience:

- Conducted environmental property assessments for mortgage bankers, property management groups and other private clients
- Developed a structural, architectural and mechanical inspection package
- Personally performed over 300 Environmental Site Assessments in fourteen different states.

Educations/Certificates:

- M.S. in Petroleum Engineering, University of Wyoming, Laramie
- B.S. in Petroleum Engineering, University of Wyoming, Laramie
- A.A. in Engineering, San Juaquin Delta College
- Registered Environmental Assessor
- AHERA Accredited Building Inspector
- EIT Certificate (Wyoming)

Printed: August 22, 1997

EMG

October 1, 1997

Shopping Center Associates
c/o J.W. O'Connor & Company, Inc.
399 Park Avenue
New York, New York 10022

Re: File Review
Laguna Hills Mall
24155 Laguna Hills Mall
Laguna Hills, California 92653
EMG Project No.: 25800

Dear Mr. Richard L. Taylor:

EMG has completed a review of available information on file with the California Regional Water Quality Control Board (RWQCB) pertaining to identified potential environmental concerns in the vicinity of the above referenced property (the "Project"). The near-by properties of concern were identified in the Phase I Environmental Site Assessment (ESA) of the Project dated September 5, 1997. The properties researched for this Project included the following:

- Wright Petroleum - 23991 El Toro Road
- Carlotta Plaza Property - 24012 Avenida De La Carlotta
- Home Federal Savings and Loan - 23941 Avenida De La Carlotta
- ARCO Service Station #3013 - 23742 El Toro Road
- Unocal Service Station - 24082 El Toro Road

Review of the file information for the above-referenced sites indicated the following:

- **Wright Petroleum:**
  - This LUST site is located approximately 200 feet north of the Project. The site has been under investigation since November 1983, when diesel fuel free product was observed surfacing through cracks in the pavement. The diesel fuel contamination apparently was the result of a faulty coupling in the delivery piping. Approximately 6,000 to 10,000 gallons of diesel fuel was estimated to have impacted the subsurface from this event. Further investigation revealed that approximately 2,000 to 5,000 gallons of premium leaded gasoline had been released to the subsurface over a three month period in 1972. The layer of free product at this site was estimated to be three feet thick in 1986, and the depth to shallow ground water is estimated to be 13 to 20 feet below the surface.

- Various forms of remediation have occurred at this site since 1983, including the installation of approximately ninety wells. These wells are used for recovery, recharge, and monitoring of the plume of contamination. As of February of 1996, approximately 13,000 gallons of product have been recovered, and approximately 18,000,000 gallons of ground water have been recovered and decontaminated.
- It appears that the ground water monitoring wells observed on the Project during the site inspection are associated with this LUST site. The contamination plume from this site has been delineated and has been significantly reduced as illustrated by the attached plume map, dated November 1995. Although the plume of contamination still appears to extend beneath the Project, remedial efforts by the responsible parties continues. Extensive litigation has determined the list of responsible parties for the cleanup activities regarding this LUST site, and the current owners of the Project do not appear on the list of responsible parties.

■ **Carlotta Plaza Property:**

- The Carlotta Plaza Property is located approximately 150 feet northeast of the Project. The file for this LUST site was in the field with RWQCB representative Ms. Nancy Olson-Martin at the time EMG reviewed file information at the RWQCB. EMG interviewed Ms. Olson-Martin on the phone on September 18, 1997 to determine the status of this LUST site. According to Ms. Olson-Martin this LUST site is still being investigated to determine the extent of contamination, and that the former ARCO service station located at this site is disputing the responsibility for contamination with the Shell service station located across El Toro Road from this site. Ms. Olson-Martin indicated that the RWQCB plans on additional ground water monitoring wells for this site to determine the source of the elevated levels of BTEX, TPH, TCE, and PCE found during an investigation in 1993. The Project does not appear to be part of an investigation that may identify the Project as a source and/or a responsible party for this contamination.

■ **Home Federal Savings and Loan:**

- This listed LUST site refers to contamination from the Wright Petroleum LUST listing described above. Further information regarding this LUST listing is presented in documentation attached pertaining to the Wight Petroleum site.

■ **ARCO Service Station #3013:**

- According to RWQCB representative Ms. Margie Quiroz, no LUST file exists for this listed LUST site.

- **Unocal Service Station:**
  - The Unocal site abuts the Project parcel occupied by building #2. In August of 1989, soil and ground water samples indicated gasoline contamination, included free phase floating product. Shallow ground water was determined to be approximately 10 feet below the ground surface.
  - A Quarterly Monitoring Report from Alton Geoscience, dated June 30, 1997, indicated that 23 ground water monitoring wells, both on the Unocal site and off-site had been installed to delineate the contamination plume and to treat the ground water. Although the plume has been significantly reduced, the contamination still extends off-site and is also estimated to include a portion of the Project near the former First Interstate Bank building. Alton Geoscience continues to perform remedial activities at this site, and Unocal is the responsible party.

Based on review of available files for off-site issues, EMG is of the opinion that no further environmental investigation of the Project with regard to off-site environmental concerns is necessary at this time. No information was presented in the reviewed files that would indicate that the current owners of the Project would be held responsible for the cleanup of any of the identified contamination. In addition, there does not appear to be an immediate health risk to the occupants of the Project since the Project is serviced by public water and sewer systems.

EMG has also completed a review of available information on file with the Orange County Health Care Agency (OCHCA) and the Orange County Fire Authority's (OCFA) to determine the regulatory status of USTs that may have been located on the Project, and to determine if historical use and handling of hazardous materials and wastes at the Project may have impacted the subsurface of the Project.

Review of the file information from the OCHCA and the OCFA indicated the following:

- **Orange County Health Care Agency:**
  - **24155 El Toro Road (Suite 1615)**

    This file pertained to the tenant Kits Cameras, and contained hazardous waste inspection files from January of 1995 to March of 1997. This facility uses an electrolytic silver recovery system, and the waste material is hauled by Safety Kleen. No significant violations were noted.

- **24155 El Toro Road (Suite 1090)**

  This file pertained to the tenant Lenscrafters, and contained hazardous waste inspection files from March of 1997 to May of 1997. Violations noted in March of 1997 included the determination of generated sludge as hazardous or non-hazardous waste. Lab results indicated that the sludge is non-hazardous. All violations were corrected by April 8, 1997.

- **23521 Calle De La Louisa**

  This file pertained to the former tenant Laguna Hills Cleaners, and contained hazardous waste inspection records from April 18, 1983 to June 3, 1994. This tenant generated waste Perc, Perc soaked filters, and sludge from at least 1983 to 1986 without properly maintaining waste manifests. From 1987 to 1993 no violations for hazardous waste handling or disposal were noted. An inspection in June of 1994 indicated that dry cleaning activities no longer were performed on the Project.

No other hazardous materials, hazardous waste, or UST files existed with this agency for the Project addresses.

■ **Orange County Fire Authority:**

- **24099 Laguna Hills Mall**

  This file pertained to the tenant Goodyear/Just Tires, and contained hazardous materials inspection records listing a maximum of 280 gallons of motor oil and 245 gallons of waste oil on-site. No other environmentally significant information was noted within this file.

No other hazardous materials files existed with this agency for the Project addresses.

Based on review of available files, EMG is of the opinion that additional investigation is necessary to determine whether the Project has been impacted by former use of a Project tenant space as a dry cleaners. In general, dry cleaning operations are suspect due to the use of hazardous materials and the generation of hazardous waste. Because of dry cleaning operations, there is a potential for subsurface contamination. If an exact determination of the subsurface conditions from possible contamination is needed, a Phase II subsurface investigation may be performed.

Should you have any questions regarding the information presented or require additional information, please feel free to contact us.

Sincerely,
EMG

John A. Stevens, REA
Program Supervisor

attached: Regulatory Agency File Information

California Regional Water Quality Control Board
Santa Ana Region

November 10, 1988

ITEM: 8

SUBJECT: Cleanup and Abatement Order No. 88-109 for Wright Petroleum Company (dba Willbarb Petroleum Carriers, Inc.); Emerald Oil, Inc.; Trans Tech Resources, Inc.; LHC Associates; and Rossmoor Corporation; Laguna Hills, Orange County.

DISCUSSION:

The subject site is located at 23991 El Toro Road, in the Laguna Hills area of Orange County. The property is owned by LHC Associates and is leased by Wright Petroleum Company (dba Willbarb Petroleum Carriers Inc.) and sublet to another operator.

Both free product and dissolved phase hydrocarbons derived from diesel and gasoline are present in the ground water at this site. The site has been under investigation since November 1983 when free product (diesel) was first observed to be surfacing from cracks in the pavement at the gasoline service station operating at this location. The diesel contamination resulted from a leak in a coupling at the top of the diesel tank. The ground water contamination beneath this property migrated off site to the west, north and south, impacting the ground water beneath 23941 Avenida de La Carlota, which is owned by Home Federal Savings and Loan Association (Home Federal), and portions of the adjacent El Toro Road, a public roadway maintained by the County of Orange.

Several investigations have been conducted over the years by both Wright Petroleum and Home Federal. Since December 1983, forty-four monitoring wells and one recovery well have been installed at the site and adjacent properties. The investigations indicate that the floating layer of free product ranges from zero to over three feet in thickness. The depth to shallow ground water ranges from 13 to 20 feet. The extent of the dissolved hydrocarbon plume has not yet been completely defined due to sampling difficulties created by the free product plume.

Cleanup and Abatement Order No. 86-14, adopted on January 10, 1986, named Wright Petroleum Company as the responsible party. To meet the cleanup and abatement order's requirements, a product and ground water recovery system was installed at this site. The recovery and treatment system was designed for on-site treatment only. Home Federal developed a separate remedial plan for their property, and waste discharge requirements (Order No. 88-70) were adopted for the proposed discharge. The treatment system at the Wright site includes pumping the fuel and contaminated ground water

from a twelve-inch diameter well into two separate holding tanks. The recovered product is transported to a petroleum refinery for recycling. This system produces approximately 1,000 gallons of water per day, and between 20-40 gallons per month of recovered product. The treated ground water is discharged to a storm drain, tributary to Aliso Creek, under Order No. 86-36, NPDES No. CA 8000060.

This system has been ineffective in recovering the free product and contaminated ground water. A June 8, 1988, report addressing the on-site contamination stated that the volume of free product still remaining on the ground water may range from 30,000 to 110,000 gallons. Based on these findings, the report states that the current operation of the recovery system would require tens of years or more to recover the bulk of the free product. It appears that the types of soils, ranging from gravels to clays, and the design and placement of the existing system have also affected the recovery rates.

Over the last few months, there have been negotiations between the involved parties. There is now a general understanding and informal agreement between Wright and Home Federal that the entire plume (which includes the Wright site, Home Federal property, and portions of El Toro Road), should be cleaned up as a whole rather than separately. As a result, Home Federal has not proceeded with their separate proposal for an on-site treatment system.

On August 12, 1988, a report (an addendum to the June report), was submitted to this office discussing several remedial alternatives available to mitigate the contaminated ground water and soil beneath the three affected properties. Regional Board staff also received additional information concerning previous land owners and lessees of the Wright Petroleum site. These parties have been included as responsible parties in this order. Within the next six months, further negotiations will take place between the responsible parties and the affected property owners in order to select an appropriate remediation alternative to clean up the impacted soil and ground water. Cleanup and Abatement Order No. 88-109 requires that a detailed remedial action plan be prepared and submitted to the Regional Board staff for their review and approval. Cleanup and Abatement Order No. 88-109 also rescinds Cleanup and Abatement Order No. 86-14, the previous cleanup and abatement order for the site.

RECOMMENDATION:

Adopt Cleanup and Abatement Order 88-109 as proposed.

California Regional Water Quality Control Board
Santa Ana Region

December 3, 1993

ITEM: 10

SUBJECT: Consideration of a request to amend Cleanup and Abatement Order No. 88-109 (Wright, et al, 23991 El Toro Road, Laguna Hills), to delete Emerald Oil, Inc., from the list of responsible parties.

DISCUSSION:

On November 10, 1988, Cleanup and Abatement Order No. 88-109 was adopted and named Wright Petroleum Company (aka Willbarb Petroleum Carriers, Inc.), Emerald Oil, Inc., Trans Tech Resources, Inc., LHC Associates, and Rossmoor Corporation, as responsible parties to the order. The order required investigation and cleanup of a plume of gasoline and diesel fuel associated with past underground storage tank leaks at the site.

Emerald Oil, Inc. (hereinafter Emerald), contends that there has been no evidence generated that would indicate that they caused or permitted a discharge of waste into the waters of the State of California during their tenancy. This issue was discussed during the recent Home Federal, et. al. v. Willbarb Petroleum Carriers, et al. trial regarding the subject site.

Emerald has supplied Regional Board staff with the transcripts of those portions of the trial which dealt with the substantiation of Emerald's involvement with a documented November 1983 diesel release at the site. It is Emerald's position that substantial effort has been exerted to deduce whether any release can be assumed to have taken place during Emerald's tenancy and that no conclusive information in support of their involvement has come forth, in spite of a lengthy trial and the efforts of the plaintiff and other defendants.

BACKGROUND

The subject site is located at 23991 El Toro Road, in the Laguna Hills area of Orange County. The site has operated as a gasoline service station from the early 1970's to the present. This site has been under investigation since November 1983, when diesel free product was first observed to be surfacing from cracks in the pavement at the gasoline service station operating at this location. The diesel contamination apparently resulted from a leak in a coupling in the delivery piping. The estimated total loss of diesel is estimated to have been approximately 6,000 to 10,000 gallons.

In addition, subsequent investigation revealed that a 1972 gasoline spill occurred at the site. This earlier release involved the loss of approximately 2,000 to 5,000 gallons of premium leaded gasoline over a three-month period.

Emerald leased the subject site and operated the service station from January 5, 1982, to October 20, 1983. Emerald is now a dissolved corporation. The property owners during Emerald's tenancy included Rossmoor Corporation, which owned the property until January 14, 1982, and LHC Associates, which owned the property from January 14, 1982 until the present.

The diesel release was discovered on November 18, 1983, when diesel free product was first observed to be surfacing from cracks in the pavement. The discovery of this diesel release occurred twenty-eight (28) days after the end of Emerald's tenancy, which was terminated on October 20, 1993 (midnight).

The issue related to the timing of this release involves whether this release occurred over a long period of time (i.e., during Emerald's tenancy) or whether the release was a sudden and catastrophic event which occurred in the matter of a few days (therefore, after Emerald's tenancy). This point, the duration of the diesel release prior to the point of discovery, is the key issue as to whether Emerald, as a site operator, can be considered to have caused or permitted a discharge of pollutants into the waters of the State. Testimony regarding this issue was provided by several parties during the trial.

With respect to this issue, Emerald's contentions are presented below.

1. Based on permeability tests conducted at the site, in order for "bubbling" of free product to be observed at the subject site, a minimum of 1,000 gallons of diesel per day must have been released, as theorized by one expert witness. It was therefore concluded that the diesel release detected on November 18, 1983, occurred over a maximum 6 to 10 day period of time.

   This conclusion was based on an evaluation of the amount of diesel found subsequently in the subsurface, the estimated seepage rate through the bottom of the tank excavation, and the observation that the excavation was filled to the point that diesel was allowed to seep out

along the surface. In other words, the leakage rate must have been slow enough to allow sufficient seepage into the subsurface to account for what has been found but fast enough to overcome that rate of seepage to fill the excavation to the point that diesel seeped through the asphalt surface. This analysis suggests that a release, with a flow rate between 0.6 and 1.0 gallons per minute, existed for a period of approximately six (6) to ten (10) days prior to its manifestation.

2. Previous testimony indicated that the underground storage tanks and associated piping were tested on October 20, 1983. This was the date that the transfer of tenancy from Emerald Oil to Wright Petroleum Company (aka Willbarb Petroleum Carriers, Inc.) occurred. According to the trial transcripts, the tanks and piping were found to have tested tight.

3. Subsequent site characterization revealed that there was a mounding effect of the diesel product beneath the site, and that the diesel migrated in all directions from the site of release. This would appear to indicate that the release was a sudden and catastrophic release. Had the release been slow and prolonged, the volume of diesel discharged would have been accommodated by spreading out through the soils and over the water table.

4. On November 19, 1983, photographs were taken by OCEMA staff at the subject site. According to the testimony, these photographs show piping exposed during excavation activities, a broken piece of pipe, and a rusty coupling. In addition, records indicated that a solenoid for the diesel tank was later replaced. An expert witness during the trial concluded that a rapid loss of diesel resulted from a breach in a pressurized portion of the diesel lines combined with a failure in the solenoid for the diesel tank such that the turbine pump "froze on," therefore causing the diesel line to be continuously pumped into a pressurized condition. Typically, the diesel transfer line is only pressurized when a customer is filling a vehicle with diesel.

5. Immediately after the discovery of the leak, a monitoring well (IT-6) was installed near the tank. During that time, it was observed that there was a rapid transient response (or buildup of product from the leak within the well) in well IT-6. This observation may have indicated a sudden and catastrophic release of diesel originating from the tank area.

Therefore, Emerald concluded that the geotechnical testimony presented at the trial supported the contention that a sudden, catastrophic release of diesel occurred at the subject site. Also, testimony appeared to indicate that the start of the leak occurred no more than a couple of weeks prior to the observation of the release on November 18, 1983. Therefore, Emerald concluded that this release occurred after Emerald's tenancy, which ended on October 20, 1983.

On the other hand, the plaintiff and other defendants contend that evidence indicated that the diesel leak had to have occurred over several months, starting during the time of Emerald's tenancy. They contend that a leak in a pipe (from the underground storage tank to the diesel dispenser) may have slowly released diesel over a period of approximately eight (8) months. Therefore, they contend that the leak started several months prior to the expiration date of Emerald's tenancy. The detailed technical basis for this contention, however, has not been presented to Board staff at this time.

CONCLUSION:

The State Water Resources Control Board has frequently reviewed the issue of who can be named to a cleanup and abatement order, and has issued several orders on the subject. Cleanup and abatement orders can name all persons who have caused or permitted a discharge, which can include active discharges and continuing discharges (Order No. WQ 86-2). Current property owners and lessees (in some cases, sublessors) should be named to an order (Order Nos. WQ 84-6, 86-11, 86-18, 89-1, 89-8, 89-13, and 90-3). Former property owners, lessees, and sublessors can also be named to orders (Order Nos. WQ 85-7, 86-15, 91-7, and 92-13). However, there must be a reasonable basis for naming a lessee or sublessor (current or former) to an order, such as the presence of substantial evidence of a discharge.

In conclusion, Emerald contends that there was not substantial evidence that Emerald caused or permitted a discharge of waste as defined under the Water Code. In addition, the jury unanimously (12-0) agreed that no release(s) occurred during Emerald's tenancy of the subject site.

However, the plaintiff and other defendants contend that the release occurred during Emerald's tenancy. Therefore, they contend that Emerald should remain as a responsible party to Cleanup and Abatement Order No. 88-109.

RECOMMENDATION:

It is anticipated that prior to and during the December 3, 1993 Board meeting, the plaintiff and other defendants will provide additional information and data supporting their contention that Emerald should remain as a responsible party to Cleanup and Abatement Order No. 88-109. Therefore, a recommendation regarding whether or not to amend Cleanup and Abatement Order No. 88-109, to delete Emerald Oil, Inc., from the list of responsible parties will be presented at the December 3, 1993, Board meeting.

February 19, 1995 BYA Project No. 53-214

Mr. Gerard Thibeault
Regional Water Quality Control Board,
Santa Ana Region
2010 Iowa Avenue
Riverside, CA 92507

SUBJECT: Status Report for Remediation Activities at 23991 El Toro Road, Laguna Hills, California

Dear Mr. Thibeault:

The purpose of this report is to brief the Water Board, our clients and other interested parties on the status of the soil and groundwater remediation work at the above referenced site. In this regard, emphasis will be placed upon the events and activates which have taken place since the submission of our last status report on August 29, 1995.

1.0 SYSTEM OPERATION

Except for down time associated with maintenance operations - such as replacement of the activated carbon filters - both the groundwater and vapor recovery systems at this facility have been operated continuously during this reporting period. There were eight occasions between August 1995 and February 1996 when one or both of the systems were shut-down for maintenance or repairs. The longest of these periods was for approximately 48 hours between January 23 and 25, 1996 when the groundwater recovery system was shut-down following break-through on the lead carbon filter pending its replacement. The vapor recovery system remained in operation during this period. The average duration of the remaining seven maintenance shut-downs was approximately 3 to 4 hours.

Although wells have been alternated between groundwater "recovery" and "recharge" operations, as discussed in previous status reports, the overall number of wells at the site has not changed during this reporting period. There are a total of approximately ninety wells within the general area which is being remediated. As of the date of this report, 30 of these wells are configured for groundwater recovery, 29 for the recharge of decontaminated groundwater, and the remainder are currently utilized as monitoring wells. The location and current configuration of each of these wells is shown in Figure 1. As indicated in this figure, fourteen of the groundwater recovery wells are also concurrently utilized as vapor recovery wells.

Twenty-three of the groundwater recovery wells are equipped with individually programmable, down-hole pneumatic pumps. Groundwater is recovered from one well (WP-15) using a 1-horsepower down-hole turbine pump, and from the remaining six wells (IT-8, IT-9, IT-10, IT-11, MW-9, & BYA-11) using up-hole pneumatic vacuum pumps. The rate of groundwater recovery during this reporting period has averaged approximately 17,000 gallons per day.

A schematic of the groundwater recovery / treatment / recharge system is presented in Figure 2. As shown in this figure, the groundwater from most of the recovery wells is discharged directly into a double weir separator. Floating product was detected in only four of the wells at the site during this reporting period. Accordingly, this "separator" now functions primarily as a surge and holding tank. Fluid from two of the wells which have periodically contained free product (MW-9 and BYA-11) is passed through a pre-separator before being discharged into the primary separator. This practice reduces cross contamination of the relatively clean water recovered from the remaining wells and thereby prolongs the life of the activated carbon filters. The discharge from the remaining two wells which have periodically contained free product during this monitoring period (i.e., BYA-13 and BYA-21) is conveyed through a system

of underground piping which services a number of recovery wells. Accordingly pre-separation of the product from these two wells cannot be effectively accomplished.

After leaving the primary separator, the groundwater passes through two 30 cubic foot activated carbon filters. As shown in Figure 2, hydrogen peroxide is added to the water to achieve an effective dissolved oxygen concentration of approximately 20 mg/l as it leaves the separator. This stimulates biodegradation of the dissolved contamination within the lead carbon filter. This has been found to significantly increase the life of the carbon filters. However, the biomass generated within the lead filter by this process requires that the lead filter be backflushed at three to six week intervals.

After passing through the two carbon filters, the decontaminated groundwater is discharged into a thermally insulated 500 gallon holding tank. Additional hydrogen peroxide is added to the water within this tank to bring the effective dissolved oxygen level up to approximately 100 mg/l. Thermal insulation was added to this tank to reduce daytime warming of the retained groundwater and the associated premature decomposition of the dissolved hydrogen peroxide. The super-oxygenated water from the holding tank is pumped continuously into the system of groundwater recharge wells (Figure 1).

Each of the groundwater recharge wells is sealed. Casing pressures are typically maintained within the +2 to +4 psi range as a result of the discharge of the treated effluent water into these wells. This positive pressure reduces the tendency for oxygen to evolve from the peroxidated water within the well casings and forces the oxygenated water into subsurface areas which would otherwise not be affected.

In order to accelerate the remediation process further, many of the wells at the site are periodically alternated between groundwater "recovery" and "recharge" operations. Typically, two or three groundwater recovery wells are alternated to recharge wells each week. Peroxidated groundwater is then recharged into these wells for a one to two week period. At the end of that period, the wells are converted back into recovery wells, and another set of recovery wells are converted into recharge wells. This practice reduces the tendency for "channelization" of the oxygenated recharge water in the subsurface and thereby accelerates the biodegradation of the remaining soil and groundwater contaminants.

At any given time, a balance is maintained between the number of groundwater "recovery" and "recharge" wells at the site such that the recharge wells are operating at or near full capacity. During the winter and spring months when groundwater levels are higher, the groundwater processing rate is typically controlled by the recharge capacity of the well system. Under these conditions, there is normally a higher proportion of recharge wells. During the summer and fall months, the reverse is true.

Historic rates of groundwater and product recovery at the site are presented in Figure 3. The volume of product represented in this figure includes that recovered in liquid, vapor and dissolved phase. However, this volume does not include hydrocarbons which are biodegraded in-situ. Since the submission of the last status report, more than 99.5% of the recovered product has been from the vapor phase. Since the remediation system was activated in December of 1990, a total of approximately 13,000 gallons of product have been recovered. Approximately 18 million gallons of groundwater have been recovered and decontaminated during this period.

2.0 SYSTEM MODIFICATIONS

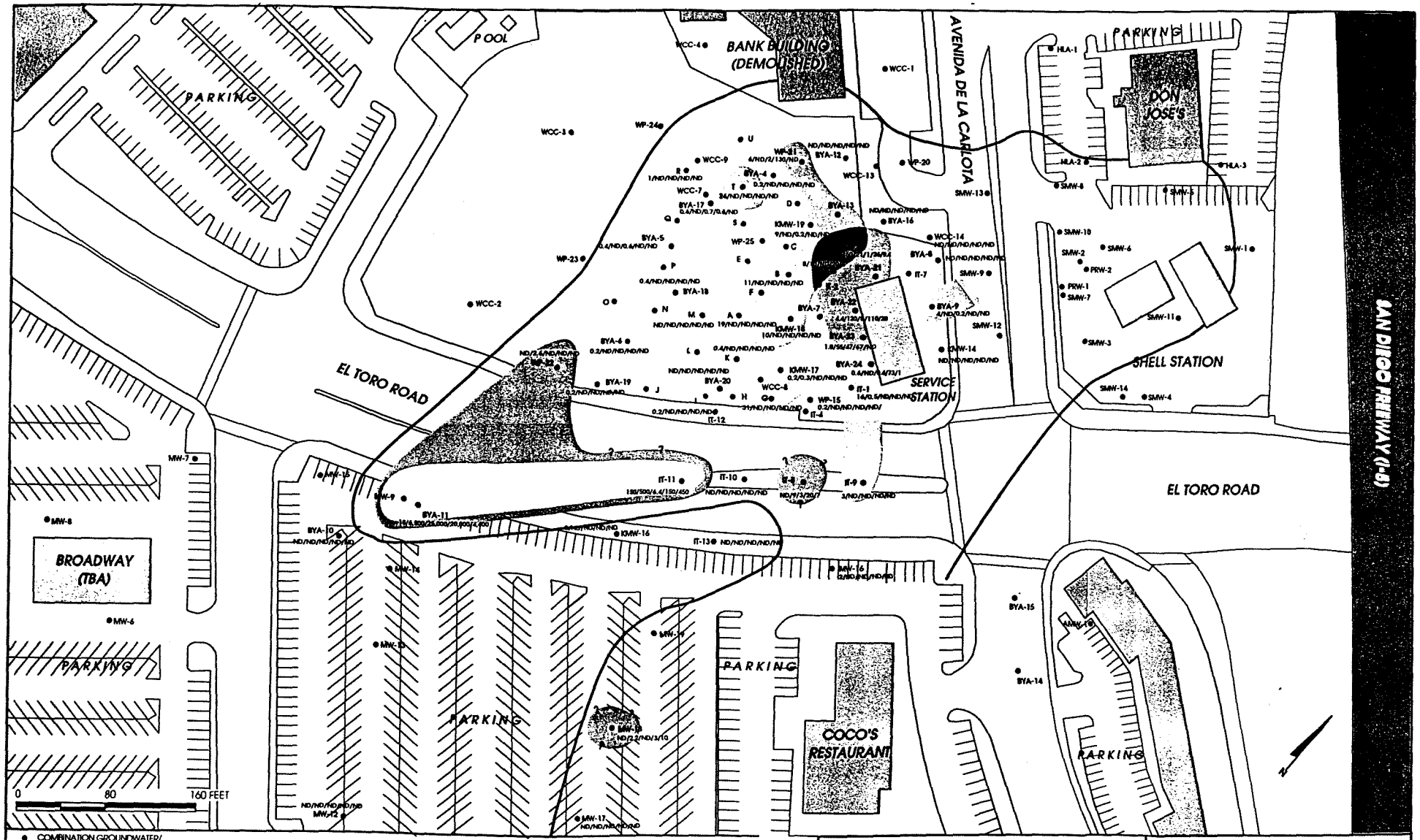
Vapor recovery operations were suspended from four of the eighteen wells which were in operation during the previous reporting period. This suspension was based upon low concentrations of hydrocarbons in the vapors which were being extracted from these wells. These measurements will be discussed in Section 5 of this report.

There have been no other significant alternations or modifications to the remediation system since the submission of our last status report.

3.0 GROUNDWATER LEVEL AND PRODUCT THICKNESS

The most recent system shut-down to measure static groundwater levels was conducted in April of 1995. The groundwater elevations and associated flow patterns recorded at that time are presented in Figure 4. Measurements made in monitoring wells located beyond the radius of influence of the recovery and recharge wells (e.g. WCC-1, WP-23, MW-13) indicate that the groundwater elevation at the site gradually fell by approximately 24-inches between April and December of 1995. Between December of 1995 and the date of this report, approximately five inches of rainfall have occurred at the site. During this time period, groundwater levels have risen by approximately 6-inches. These changes in groundwater elevation are consistent with those measured during previous years and appear to be attributable to normal seasonal fluctuations.

As discussed previously, free product has sporadically been present in four of the approximately ninety wells at the site during this reporting period. These wells are MW-9 and BYA-11 located on the Laguna Hills Mall property; BYA-13 located on the former Home Federal property; and BYA-21 located on the service station property. These wells are used exclusively for groundwater/product recovery. The thickness of the free product layer within each of these four well casings has continued to gradually decrease during this



- COMBINATION GROUNDWATER/ VAPOR RECOVERY WELL
- GROUNDWATER RECOVERY WELL
- GROUNDWATER RECHARGE WELL
- FORMER EXTENT OF GROUNDWATER HYDROCARBON PLUME

MW-12 ● GROUNDWATER MONITORING WELL

SMW-2 ● OFFSITE WELLS

ND NOT DETECTED

ANALYTICAL RESULTS FOR GROUNDWATER
- TRPH PER EPA 418.1 IN mg/l
- BENZENE PER EPA 602 in ug/l
- TOLUENE PER EPA 602 in ug/l
- XYLENES PER EPA 602 in ug/l
- ETHYLBENZENE PER EPA 602 in ug/l

150/21/1/24/9.4

APPROXIMATE EXTENT OF REMAINING GROUNDWATER CONTAMINATION
- GASOLINE-RANGE HYDROCARBONS (BTXE) EXCEEDING DRINKING WATER STANDARDS
- BENZENE >240ug/l
- DIESEL-RANGE HYDROCARBONS > 0.5 mg/l

BING YEN & ASSOCIATES, INC
Geotechnical & Environmental Consultants

PROJECT NAME: WRIGHT PETROLEUM SITE

PROJECT NO.: 53-214 | DATE: FEBRUARY 1996

EXTENT OF GROUNDWATER CONTAMINATION - NOVEMBER 1995

FIGURE 10

VET VAPOR EXTRACTION TECHNOLOGY, INC.

■ Priority Pollutant Extraction Systems

Project No. 2029.2.10
November 14, 1991

PROJECT SUMMARY

UNOCAL SERVICE STATION # 5408
24082 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA
OCHCA CASE # 90UT56

Following is a summary of environmental investigation work performed to date at the subject location, an overview of the results, and a description of anticipated future work.

PROJECT HISTORY

The subject site is currently an operating Unocal service station. Environmental investigation work began in August of 1989 with a routine site assessment conducted in anticipation of termination of Unocal's site lease. Following is a chronological summary of the environmental work performed to date:

August 1989: Eight on-site soil borings were excavated with five of the borings being completed as groundwater monitoring wells. Gasoline constituents were found in soil samples collected near the groundwater interface and at shallower depths from borings located in the vicinity of the dispenser islands. Free-phase, floating gasoline product was found in two monitoring wells and dissolved-phase gasoline constituents were found in water samples from the three remaining wells.

January 1990: A four-month program of manual free product recovery was initiated. Free product was removed from all wells in which it was detected on a monthly basis.

June 1990: Seven additional on-site monitoring wells and one off-site monitoring well were installed to further assess the extent of impacted soil and groundwater. Relatively minor concentrations of gasoline constituents (<500 ppm TPH) were found in soil samples from the monitoring well borings. However, dissolved-phase gasoline constituents were found in groundwater samples from all of the new monitoring wells. Free product was not detected in any of the new wells.

August 1990: Monthly, manual, free product removals were reinstated and continued through May 1991. Free product was detected in a third on-site well during the first month of the program and in a fourth well, off-site, in October 1990.

8360 Clairemont Mesa Blvd., Suite 107, San Diego, CA 92111 Phone: (619) 495-0114 FAX: (619) 495-0502

July 1991: A study of free product recovery rates was conducted to assess the optimal frequency of free product removals. The results suggested that weekly free product removals were warranted.

August 1991: A program of weekly, manual, free product removals was initiated. A vapor extraction pilot test was also conducted to evaluate the feasibility of vapor extraction as a remediation technique. The results of the pilot test suggested that subsurface conditions are favorable for remediation of gasoline constituents by vapor extraction.

September 1991: Four additional off-site monitoring wells were installed to further assess the lateral extent of impacted groundwater off-site. Water samples from two of the wells contained trace levels of dissolved-phase gasoline constituents while a sample from a third well contained elevated levels. Over two feet of free product was measured in the fourth well. A workplan was also submitted to the Orange County Health Care Agency for remediation of on-site free product and gasoline constituents in the vadose zone by vapor extraction.

October 1991: Free product was detected in a fourth on-site well.

All environmental investigation work conducted to date has been performed by Vapor Extraction Technology, Inc.

SITE CHARACTERIZATION OVERVIEW

Soil samples containing gasoline constituents have been found adjacent to the dispenser islands and also near the groundwater surface in several areas both on- and off-site. Free product has been encountered in six out of the seventeen monitoring wells installed to date at thicknesses of over two feet. Two of the wells with free product are located off-site to the south, the farthest of which is approximately 190 feet from the site. Dissolved-phase gasoline constituents have been detected in water samples from all of the remaining wells and apparently extend significantly off-site in all but one direction. The full extent of free product and impacted groundwater have not yet been assessed.

The subsurface geology consists of clayey sands, sandy clays, clays, and clayey sandy silts with occasional medium to coarse grained sand lenses containing gravels and cobbles. Groundwater has been encountered at depths ranging from 10 to 17 feet below surface. The groundwater gradient has varied considerably in both magnitude and direction over time but averages approximately 0.007 feet per foot with a southeasterly trending direction. Monitoring well recharge rates are generally slow (greater than two hours for

80% recovery after purging of well to dryness) but increase somewhat in wells where the lenses of coarser soils were encountered.

Free product plumes have also been reported at three other sites within 1,500 feet of the Unocal station, most notably at the Chevron station located directly to the north across El Toro Road.

ANTICIPATED FUTURE WORK

Unocal will proceed with the design, installation, and operation of the on-site vapor extraction remediation system described in the above-referenced workplan. Weekly manual free product removals will be continued until the vapor extraction system is operational.

Unocal will continue with characterization work to assess the full extent of gasoline-affected soil and groundwater. This work shall include research of site assessment and remediation work at nearby sites, historical development and use of the site vicinity, and alternative site assessment techniques. Monthly groundwater monitoring and quarterly groundwater sampling will also be continued with the results being presented in quarterly reports.

Once the full extent of gasoline-affected soil and groundwater has been assessed a workplan will be prepared and executed for remediation of the off-site impacted soil and groundwater.

SUBMITTED BY:

Chuck Smith
Project Engineer
Vapor Extraction Technology, Inc.

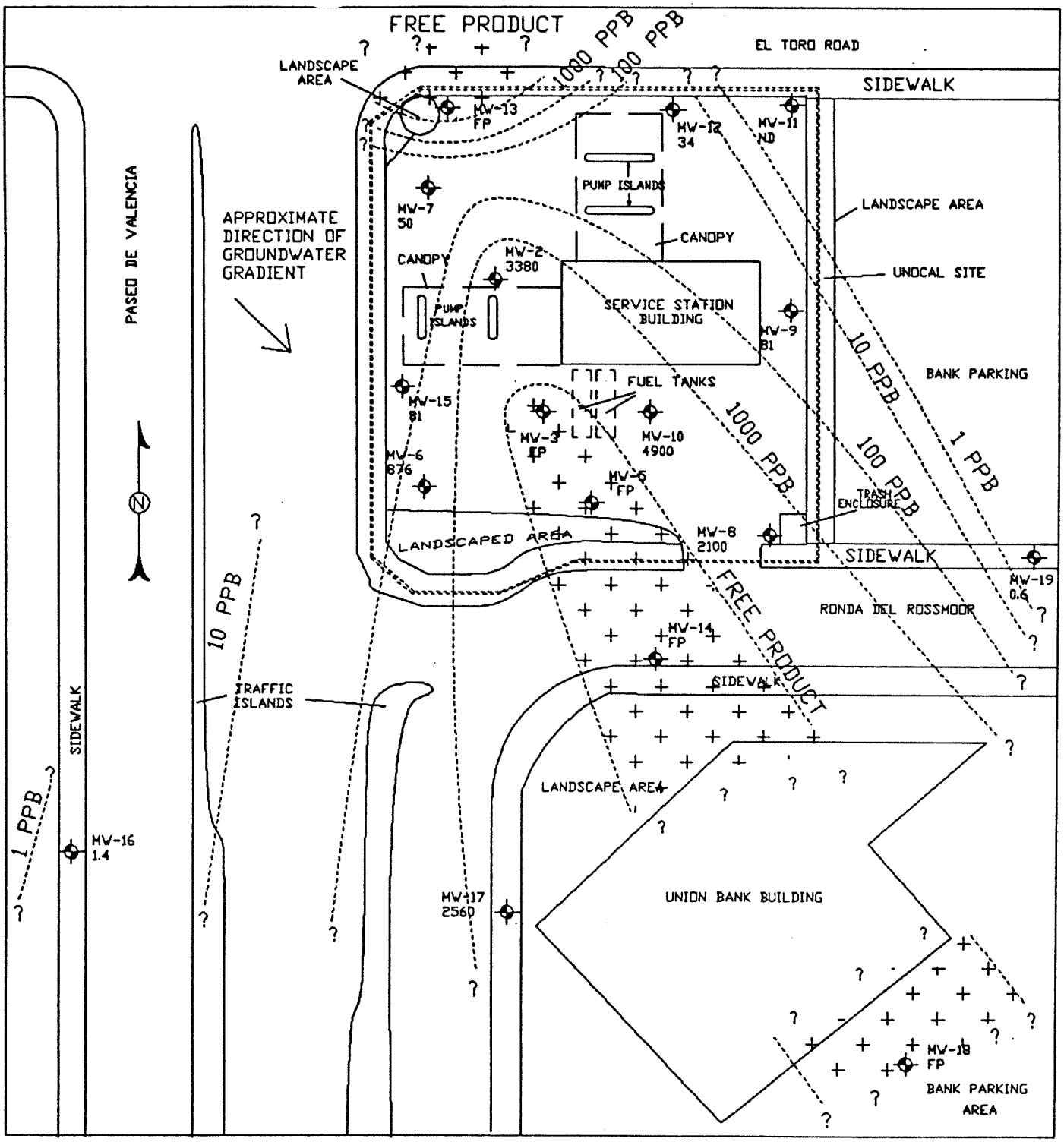
Gerald I. Shiller
Registered Geologist
Vapor Extraction Technology
RG #4558

REGISTERED GEOLOGIST
GERALD I. SHILLER
NO. 4558
Expires 7/1/92
STATE OF CALIFORNIA

cs

Distribution: (3) Unocal Corporation
Attn: Gerry Machinski

U CAL/LAGUNA H LS



LEGEND

MW-19 1.4 — LOCATION OF EXISTING MONITORING WELL AND BENZENE CONCENTRATION IN GROUNDWATER (PPB)

FP — FREE PRODUCT

FREE PRODUCT PLUMES

1 PPB — CONTOURS OF EQUAL BENZENE CONCENTRATIONS

BENZENE CONCENTRATIONS BASED ON SAMPLES OBTAINED FROM WELLS MW-2 TO MW-15 ON 7-18-91 AND WELLS MW-16 TO MW-19 ON 9-13-91

SCALE 1" = 50'

0 25 50 75

ALL DIMENSIONS AND LOCATIONS APPROXIMATE

UNOCAL CORPORATION
EL TORO ROAD
LAGUNA HILLS, CALIFORNIA
PROJECT NO. 2029.2.5

VAPOR EXTRACTION TECHNOLOGY, INC.

FIGURE NO. 3
GROUNDWATER PLUMES

SANTA ANA REGION
REC'D DATE
AUG 15 1997
KRW
NDM

QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 1997
June 30, 1997

UNOCAL STATION 5408
24082 El Toro Road
Laguna Hills, California

Prepared For:

Mr. Dan Fischman
76 PRODUCTS COMPANY
555 Anton, Room 09753
Costa Mesa, California 92626

Prepared By:

John M. Lopez
Quarterly Monitoring Program Manager

REGISTERED GEOLOGIST
MICHAEL E. CASSIDY
No. 6281
STATE OF CALIFORNIA

Associate, Irvine Operations

ALTON GEOSCIENCE
25A Technology Drive
Irvine, California 92618

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3.0 FINDINGS AND CONCLUSIONS 1

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1 Vicinity Map
2 Groundwater Elevation Contour Map
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2 Benzene Concentrations vs. Time - Southern Wells
3 Hydrograph - Northern Wells
4 Hydrograph - Southern Wells

APPENDICES

A General Field Procedures and Monitoring Well Purging Data
B Official Laboratory Report and Chain of Custody Record

1.0 INTRODUCTION

Alton Geoscience submits this quarterly groundwater monitoring report for Unocal Station 5408, located at 24082 El Toro Road, Laguna Hills, California (Figure 1). This report provides an update on groundwater monitoring activities for the period of April through June 1997.

On April 29, 1997, fluid levels were measured and groundwater samples were collected from 19 monitoring wells. Monitoring Wells MW-2, MW-5, MW-9, and MW-11 were neither gauged nor sampled. Monitoring Well MW-2 was covered with asphalt; MW-5 has an obstruction in the well; MW-9 could not be located; and a car was parked over MW-11. Gauging data are presented in Table 1; see Figure 2 for a groundwater elevation contour map constructed using the current data. A description of general field procedures and monitoring well purging data are presented in Appendix A.

2.0 LABORATORY ANALYSIS

Groundwater samples were submitted to a state-certified laboratory and analyzed for total petroleum hydrocarbons with gasoline distinction (TPH-G) using EPA Method 8015 Modified; benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8020; and methyl tertiary butyl ether (MTBE). MTBE appears as an additional compound and is analyzed as part of EPA Method 8020. Groundwater analytical results are listed in Table 1 and shown on Figure 3. Copies of the official laboratory report and chain of custody record are included in Appendix C.

3.0 FINDINGS AND CONCLUSIONS

- Liquid-phase hydrocarbons were not encountered during this monitoring event (see Table 1).
- Dissolved-phase TPH-G concentrations ranged from below laboratory detection limits to 34,000 micrograms per liter (µg/l). Refer to Table 2 for a comparison of results from current and previous sampling events.
- Dissolved-phase benzene concentrations in wells ranged from below laboratory detection limits to 3,200 µg/l. Refer to Table 2 for a comparison of results from current and previous sampling events. Benzene concentrations versus time are shown in Graphs 1 and 2.

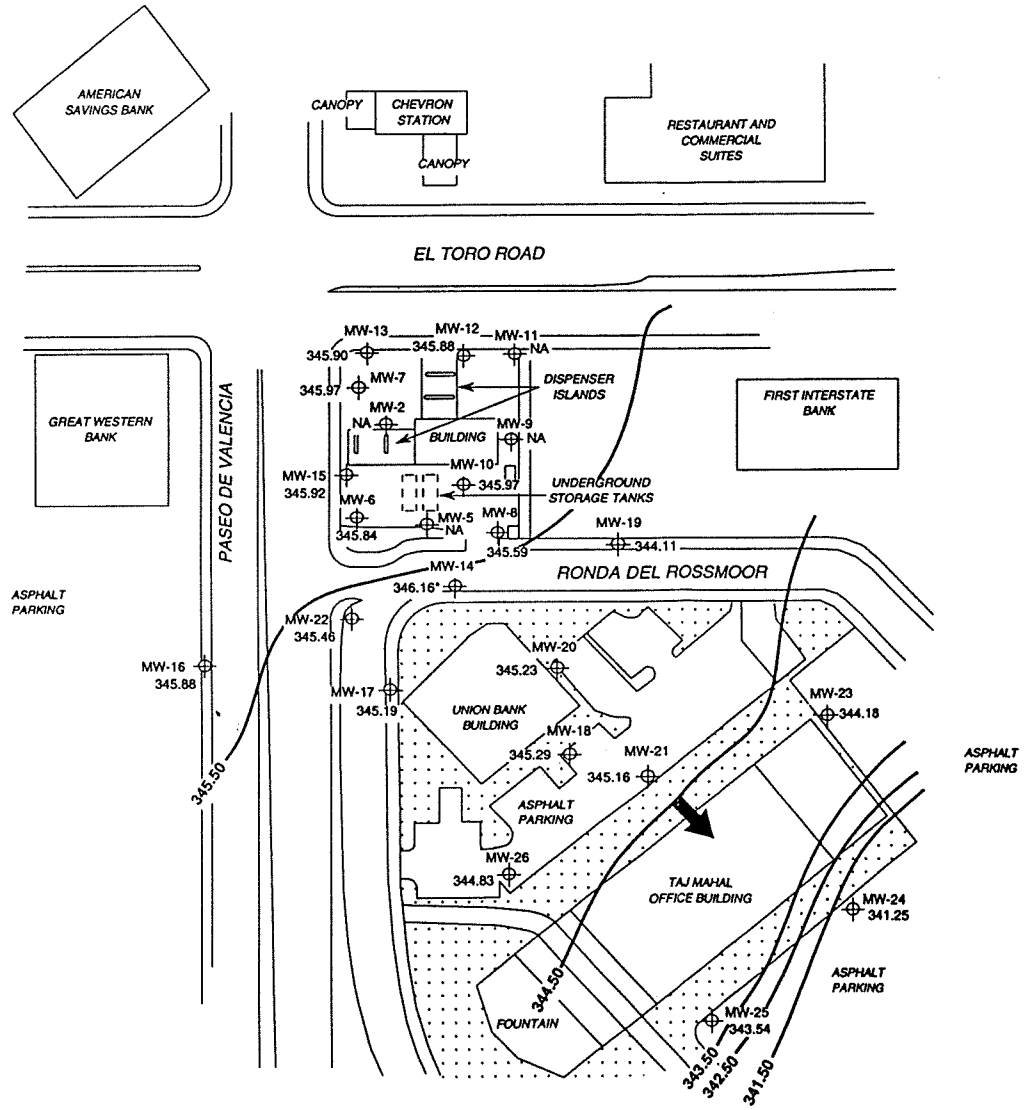
- Hydrocarbon concentrations exceeding regulatory action levels are listed below. Action levels for benzene (1.0 µg/l), toluene (150 µg/l), ethylbenzene (700 µg/l), and total xylenes (1,750 µg/l) are based on the Primary Maximum Contaminant Levels (MCLs) established by the California EPA.

  - Benzene in MW-8, MW-10, MW-13, MW-14, MW-17, MW-18, MW-20, MW-21, and MW-23
  - Toluene in MW-8, MW-10, MW-13, and MW-18
  - Ethylbenzene in MW-8, MW-10, MW-17, MW-18
  - Total Xylenes in MW-10 and MW-18

- The minimum depth to groundwater measured in wells was 10.92 feet below grade (Monitoring Well MW-25). Groundwater levels have generally lowered since the previous monitoring event. Hydrographs showing groundwater elevations versus time are presented in Graphs 3 and 4.

- The general groundwater gradient is directed toward the southeast. This is consistent with the gradient observed during the previous monitoring event.

The ongoing project services summarized in this report have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the findings and professional opinions presented in this report. The findings are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.



N

LEGEND

MW-26 Monitoring Well with Groundwater Elevation (feet)

Landscaping

345.50 Groundwater Elevation Contour (Contour Interval = 1.00 foot)

General Direction of Groundwater Flow

SCALE (FEET)

0 100 200

NOTES:

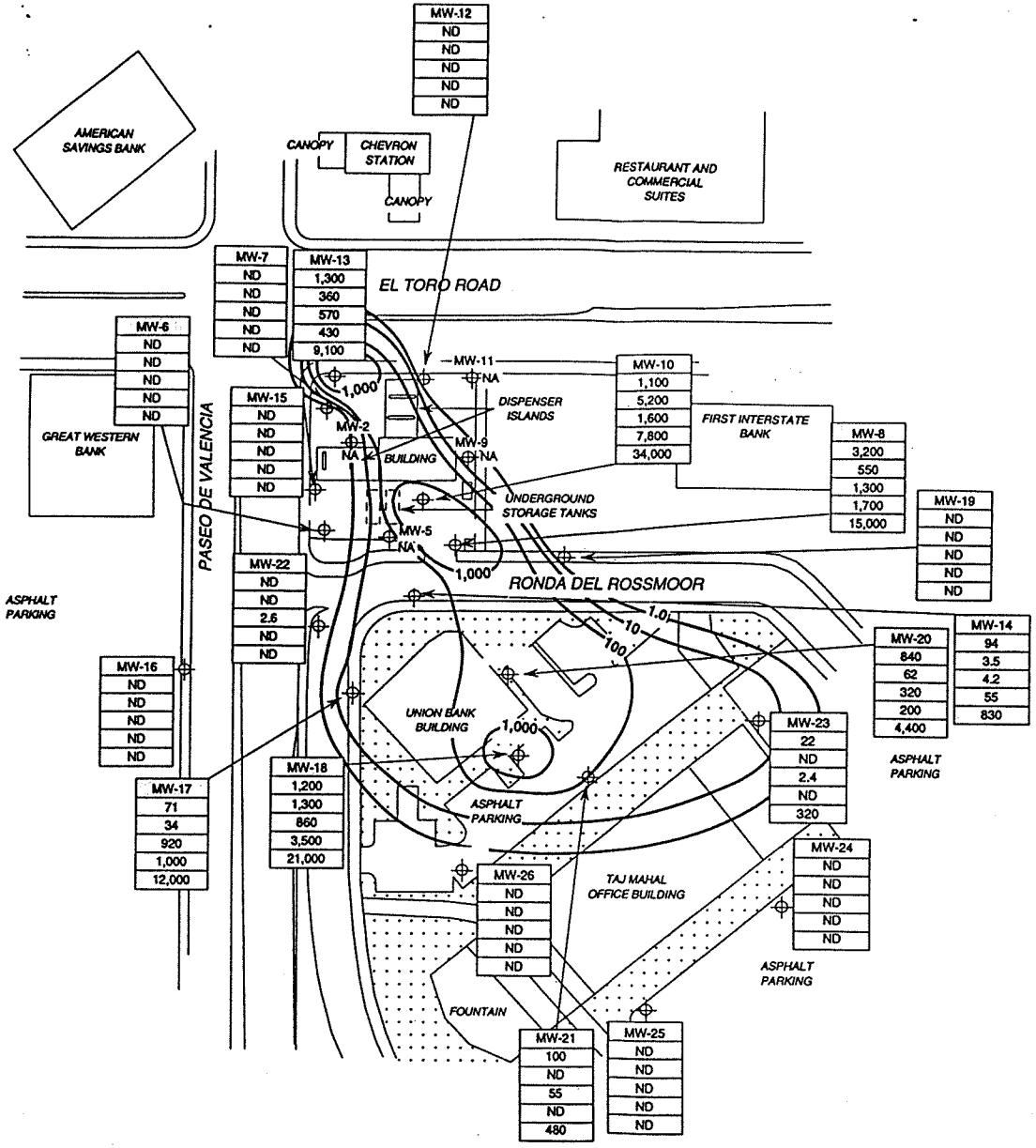
Contour lines are interpretive based on fluid levels measured in wells. Elevations are in feet above mean sea level (NGVD - 1929). NA = not analyzed, measured, or collected. * = not included in groundwater contour interpretation.

GROUNDWATER ELEVATION CONTOUR MAP
April 29, 1997

Unocal Station 5408
24082 El Toro Road
Laguna Hills, California

ALTON GEOSCIENCE
Irvine, California

FIGURE 2



N

LEGEND

Monitoring Well with Dissolved-Phase Hydrocarbon Concentrations (ug/l)

WELL No.
B
T
E
X
TPH-G

1,000 Dissolved-Phase Benzene Contour (ug/l)

Landscaping

SCALE (FEET)

0 100 200

NOTES:

Contour lines are interpretive based on laboratory analysis results of groundwater samples. ug/l = micrograms per liter.
TPH-G = total petroleum hydrocarbons as gasoline.
B = benzene, T = toluene, E = ethylbenzene, X = total xylenes.
ND = not detected at limit indicated on official laboratory report.
NA = not analyzed, measured, or collected.

DISSOLVED-PHASE HYDROCARBON CONCENTRATION MAP
April 29, 1997

Unocal Station 5408
24082 El Toro Road
Laguna Hills, California

ALTON GEOSCIENCE
Irvine, California

FIGURE 3

20-0400 6/19/97 lk

STATE OF CALIFORNIA—CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION
3737 MAIN STREET, SUITE 500
RIVERSIDE, CA 92501-3339
PHONE: (909) 782-4130
FAX: (909) 781-6288

FACSIMILE TRANSMITTAL

DATE: 9/19/97

TO: Robert Loomer

FAX. NO. (714) ~~[illegible]~~ 458-7565

FROM: N. Olson-Martin

SENDER'S DIRECT TELEPHONE NUMBER: (909) 782-4497

NUMBER OF PAGES, INCLUDING TRANSMITTAL MEMO:

SUBJECT: Conroys - Former Arco - Carlota Plaza

MESSAGE: I typed out the summary yesterday between calls at the PAC - a quick job so excuse the mistakes, typos, etc.

Please contact the sender at their direct telephone number with any questions.

CARLOTA PLAZA PROPERTY (FORMER ARCO)
24012 AVENIDA DE LA CARLOTA, LAGUNA HILLS

SUMMARY

August 31, 1993

Work Plan for Phase II Soil and Groundwater Investigation at Carlota Plaza Property, Laguna Hills - McLaren Hart

On July 8 and 9, 1993, McLaren Hart conducted a limited soil and groundwater investigation at the subject site. Results were summarized in a letter report (August 10, 1993). The work was conducted on behalf of Rudolph and Rohr (Mr. Richard Felt). Six soil borings were drilled and sampled for soil and groundwater. The borings were drilled down to 20 feet bgs. Soil samples were collected at 5, 13, and 17 feet bgs. All six boreholes were converted to temporary wells. Groundwater was encountered at ~15 feet bgs. Two-inch diameter PVC piping was placed in the 5-inch diameter to a depth of 20 feet. The PVC piping consisted of a 5-foot 0.02 slot screened section and 15 feet section of blank casing. Once the wells filled with groundwater to a level that appeared to be equal to static water level conditions groundwater samples were obtained using disposable teflon bailers. According to the report, MW-1 was (previously installed by Excel Environmental Engineering; we do not have this information) was also sampled.

The report stated that following sampling, the PVC screen and casing were removed from the boreholes, and the boreholes were backfilled with Enviroplug bentonite chips and hydrated. The boreholes were then capped with cement to match the existing surface at the sample locations with the exception of SB-1, which was located in a grass covered area along the west margin of the property. The sod was removed from the surface at SB-1 prior to drilling then replanted following drilling and backfilling of the borehole with hydrated bentonite chips.

Soil samples were analyzed for TPH (8015-full range) and 8020 (BTXE). Groundwater was encountered at ~15 feet bgs. The results of the investigation revealed that elevated concentration of compounds characteristic of gasoline (benzene, toluene, ethylbenzene, and xylenes) were detected in groundwater at one (SB-3) of seven onsite groundwater sample locations sampled during the investigation.

The soil results revealed that TPH and BTXE contamination were detected in soil samples collected at SB-3 at 14 feet and 17 feet bgs (capillary zone). No other soil contamination was detected. Free product was detected during the removal of the casing from SB-3. Groundwater results for this well revealed 290 mg/l (ppm) of TPH-gasoline, 3.1 ppm TPH-motor oil, 4,100 ug/l (ppb) of benzene, 2,500 ppb toluene, 2,600 ppb ethylbenzene, and 16,200 ppb of xylene. TPH concentrations of 1.6 and 0.56 ppm were detected in groundwater samples collected from MW-1 and SB-4, respectively. A concentration of 91 ppb of 1,2-DCA was detected in the groundwater sample collected from SB-3. Trace amount of TCE (0.69 ppb) and PCE (0.88 ppb) were also detected in the groundwater sample obtained from boring SB-6.

Based on the initial investigation and discussions with the Regional Board (August 12, 1993) four additional monitoring wells were proposed to be installed at the site. The proposed wells (MW-2 through MW-5) will be located adjacent to the previous borings SB-1 and SB-3 drilled during the July 1993 investigation. SB-3 was drilled in the approximate location of the backfilled cavity pit of the former USTS. MW-3 and MW-4 will be located upgradient of the site to determine if any of site sources are contributing to the chemical detected in SB-3.

September 2, 1993

Meeting Summary for Carlota Plaza

A report of findings (see above) was hand-carried to the meeting by McLaren Hart and Richard Felt of Rudolph and Rohr (attorney and consultant for the present property owner). During the meeting, Mr. Felt stated that MW-1 was installed in 1989 for a property transaction. Regional Board staff requested a copy of the investigation report and information regarding the group involved with the installation. Also, boring/well SB-3 had a different lithology and may have been located in the previous tank cavity area with fill material. Based on the meeting, Regional Board requested copy of the previous report, permanent monitoring wells (~3-4), and the need to discuss the findings with ARCO (directed to LJA).

Also noted during the meeting was that El Toro Water District noticed an odor during work conducted near the Arco station in the early 1980's.

September 3, 1993

Regional Board Letter to Mr. Richard Felt, Attorney

Regional Board staff approved the August 31, 1993 work plan and requested that a report of findings be submitted by November 29, 1993.

Also, in the file at this time are several copies of MSDS for Arco products.

November 23, 1993

Work Plan Amendment - Delta Environmental Consultants (Delta)

Delta submitted this work plan for Arco. Delta proposed the installation of proposed ground water monitoring wells MW-5, MW-6, and MW-7.

December 9, 1996

Memo from Nancy Olson-Martin (NOM)

Delta wanted to find out what would be required to get site closure for this site. I stated that we first would need to confirm whether Leslie Alford (LJA) or myself would be the contact person. Also, we need to get the soil and groundwater data for wells BYA-14, BYA-15, and AMW-1. However, since AMW-1 is the "unknown" well, we don't have any data. Several attempts by both Regional Board and OCHCA staff to identify the party who installed the well has failed.

I called Glenn Tofani and Bing Yen Associates (BYA - Wright's consultant) and he stated that he would have someone get the soil and groundwater data for BYA-14 and BYA-15. Since these wells have not been sampled in the past few years, I told him that we would likely require resampling in the near future to confirm the prior "ND" results. He said that he would work with Delta in sampling and providing access to these wells.

Note: It was decided at this time that LJA would take lead since she is the Arco/Delta contact person at the office.

December 18, 1996

BYA Map in December 1990 and Boring Logs

According to the map, the Wright plume do not extend to BYA-15 and BYA-16. According to the December 13, 1996 groundwater results, no contamination detected in BYA-15 and BYA-16. Results for AMW-1 revealed 14 ppb of benzene, 3.3 ppb of toluene, 9.6 ppb of ethylbenzene, 33 of xylene, and 190 ppm of TPH.

May 20, 1997

Regional Board Letters to Kateri Luka of ARCO

Our standard MTBE and Purge Letters sent (these were sent to all Rps).

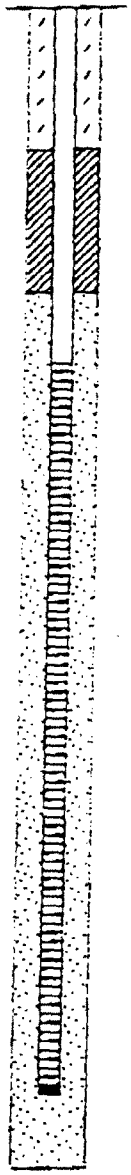
August 20, 1997

Letter from Parsekian and Grinder (Jeffrey S. Grider, Esq.) To LJA

214.

Equipment SME-55

Elevation ~360.00 ft Date 2/16/94



2" dia. Blank PVC Casing

6" dia. Borehole

Bentonite Seal

Filter Sand

2" dia. Slotted PVC Casing (0.020" Slots)

Bottom Cap

Blows/ft	HC Odor	PID	Depth ft	Sample	Description
	No	0	0		6" ASPHALT
					GRAVEL WITH SAND AND SILT (GM) (FILL) dense, slightly moist, fine- to medium-grained sand, fine gravel
	No	0*			LIGHT BROWN SILTY SAND (SM) medium stiff, moist, fine- to medium-grained sand
			5		
85					trace of gravel
50		40	10		
30	No	10			HIGHLY WEATHERED BEDROCK? LIGHT BROWN-GREEN CLAYEY SILT (ML) stiff, moist, trace of fine- to very fine-grained sand, low plasticity
27	No	0	15		▽ wet
17	No	0			
	No	0	20		
	No	0	25		
	No	0	30		
			35		Boring terminated at 32.5 feet. Groundwater encountered at approximately 16 feet during drilling below ground surface. Boring converted to groundwater monitoring well on 2/16/94.
			40		

BING YEN & ASSOCIATES, INC.
Geotechnical & Environmental Consultants, Established 1979

Log of Boring BYA-15

El Toro Boulevard and Avenida de la Carlota
Laguna Hills, California

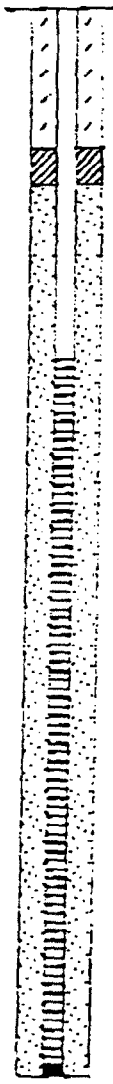
PLATE

DRAWN	PROJECT NUMBER	APPROVED	DATE	REVISED DATE
	214		4/94	

214

Equipment SME-55

Elevation ~359.00 ft Date 2/16/94



Blows/ft	HC Odor	PID	Depth ft	Sample	
			0		6" ASPHALT SILTY SAND (SM) moist, fine- to medium-grained sand, some clay
83	No	0	5		
	No	0			
		0	10		
	No	0			decreased silt
	No	0	15		BROWN SANDY SILT (ML) dry to slightly moist, low plasticity, fine- to medium-grained sand stiff, slightly moist, medium- to coarse-grained sand
	No	0			HIGHLY WEATHERED BEDROCK? BROWN-GREEN CLAYEY SILT (ML) stiff, very moist, low to medium plasticity
	No	0	20		
	No	0			
			25		some red iron-oxide staining
	No	0	30		Boring terminated at 30 feet. Groundwater encountered at 10 feet during drilling. Boring converted to monitoring well on 2/16/94.
			35		
			40		

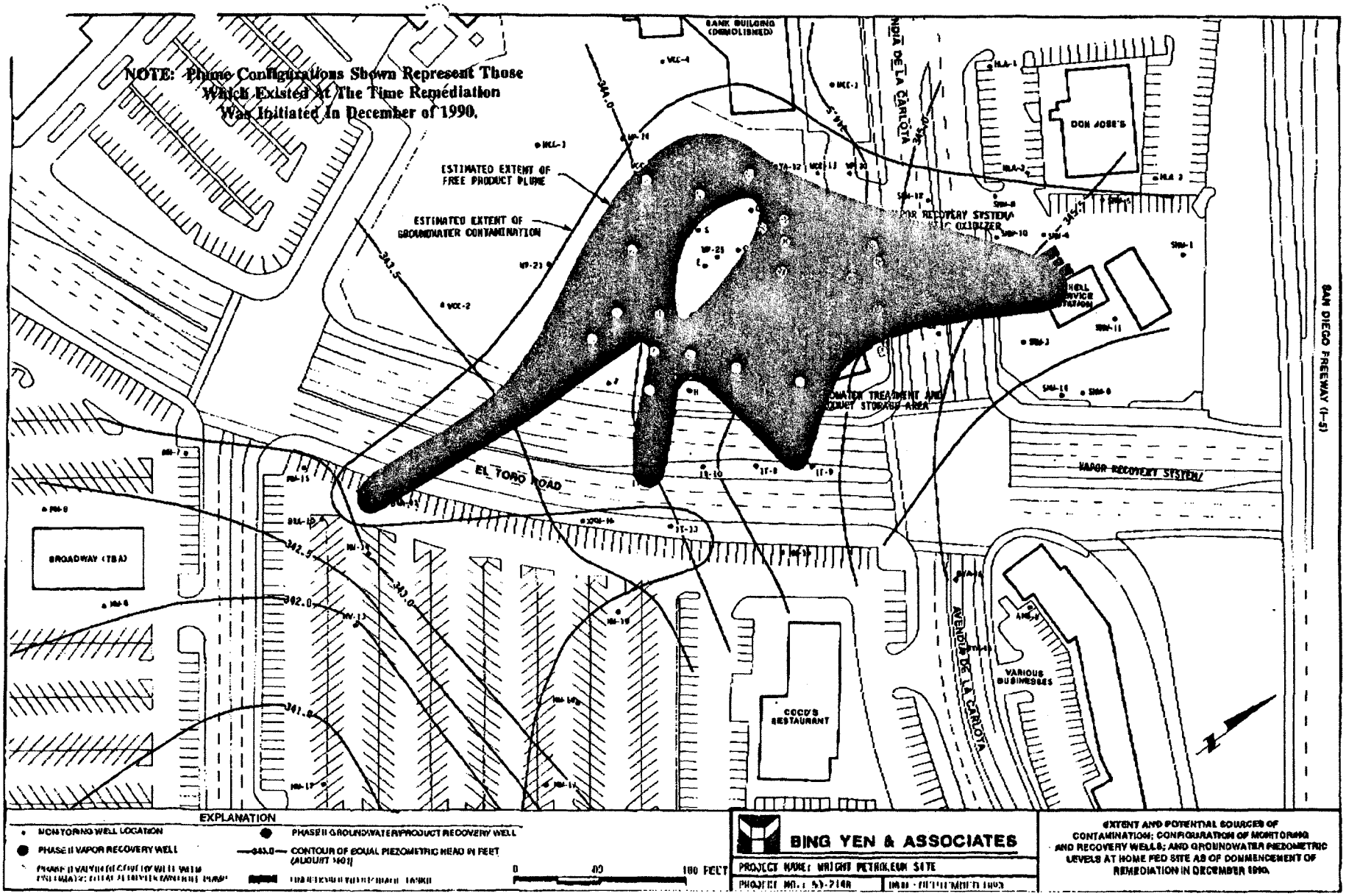
BING YEN & ASSOCIATES, INC.
Geotechnical & Environmental Consultants, Established 1979

Log of Boring BYA-16

El Toro Boulevard and Avenida de la Carlota
Laguna Hills, California

PLATE

DRAWN	PROJECT NUMBER	APPROVED	DATE	REVISED DATE
	214		4/94	


NOTE: Plume Configurations Shown Represent Those Which Existed At The Time Remediation Was Initiated In December of 1990.
ESTIMATED EXTENT OF FREE PRODUCT PLUME
ESTIMATED EXTENT OF GROUNDWATER CONTAMINATION
BANK BUILDING (DEMOLISHED)
DON JOSE'S
SHELL SERVICE STATION
VAPOR RECOVERY SYSTEM
EL TORO ROAD
BROADWAY (TBA)
COCO'S RESTAURANT
VARIOUS BUSINESSES
AVENIDA DE LA CARLOTA
SAN DIEGO FREEWAY (I-5)
341.0
341.5
342.0
342.5
343.0
343.5
EXPLANATION
MONITORING WELL LOCATION
PHASE II VAPOR RECOVERY WELL
PHASE II GROUNDWATER/PRODUCT RECOVERY WELL
CONTOUR OF EQUAL PIEZOMETRIC HEAD IN FEET (ALTOUNT MSL)
0
40
100 FEET
BING YEN & ASSOCIATES
PROJECT NAME: WRIGHT PETROLEUM SITE
PROJECT NO.: 53-2168
EXTENT AND POTENTIAL SOURCES OF CONTAMINATION; CONFIGURATION OF MONITORING AND RECOVERY WELLS; AND GROUNDWATER PIEZOMETRIC LEVELS AT HOME FED SITE AS OF COMMENCEMENT OF REMEDIATION IN DECEMBER 1990.

Attached are copies of the Delta data "*you requested from my consultant, Glenn Tofani, regarding the above-referenced property.*" Attached were sampling information sheets from Delta for wells AMW-1 The Del Mar lab sheets revealed the following groundwater results for AMW-1:

All results were ug/l or ppb (Sampled on 12/12/96)

TPH - 3,000
Benzene - 430
Toluene - ND
Ethylbenzene - 280
Xylenes - 390
MTBE - 360

The travel blank results were all ND. The results for the method blank were all ND.

August 20, 1997

File Memo from LJA

LJA began to review the file for this site. The groundwater results collected by ARCO have not been submitted to us for our review. According to Allen Just of Delta, we must obtain these results from the property owner. LJA contacted Glenn Tofani of BYA. This consultant represents the owner. Glenn will forward these results after he contacts the owner and receives approval. The last groundwater results were obtained in 1994.

Note: these results were forwarded to us - see the above 12/96 results given above.

August 27, 1997

Faxed Memo to LJA from Glenn Tofani of BYA

According to Glenn, LJA requested the following contacts/addresses:

Property Owner: Park Abrahms

Contact: Jeff Grider
Parsekian and Grider
28202 Cabot Road, Ste. 300
Laguna Niguel, CA 92677
Telephone: (714) 365-5611
Facsimile: (174) 365-5711

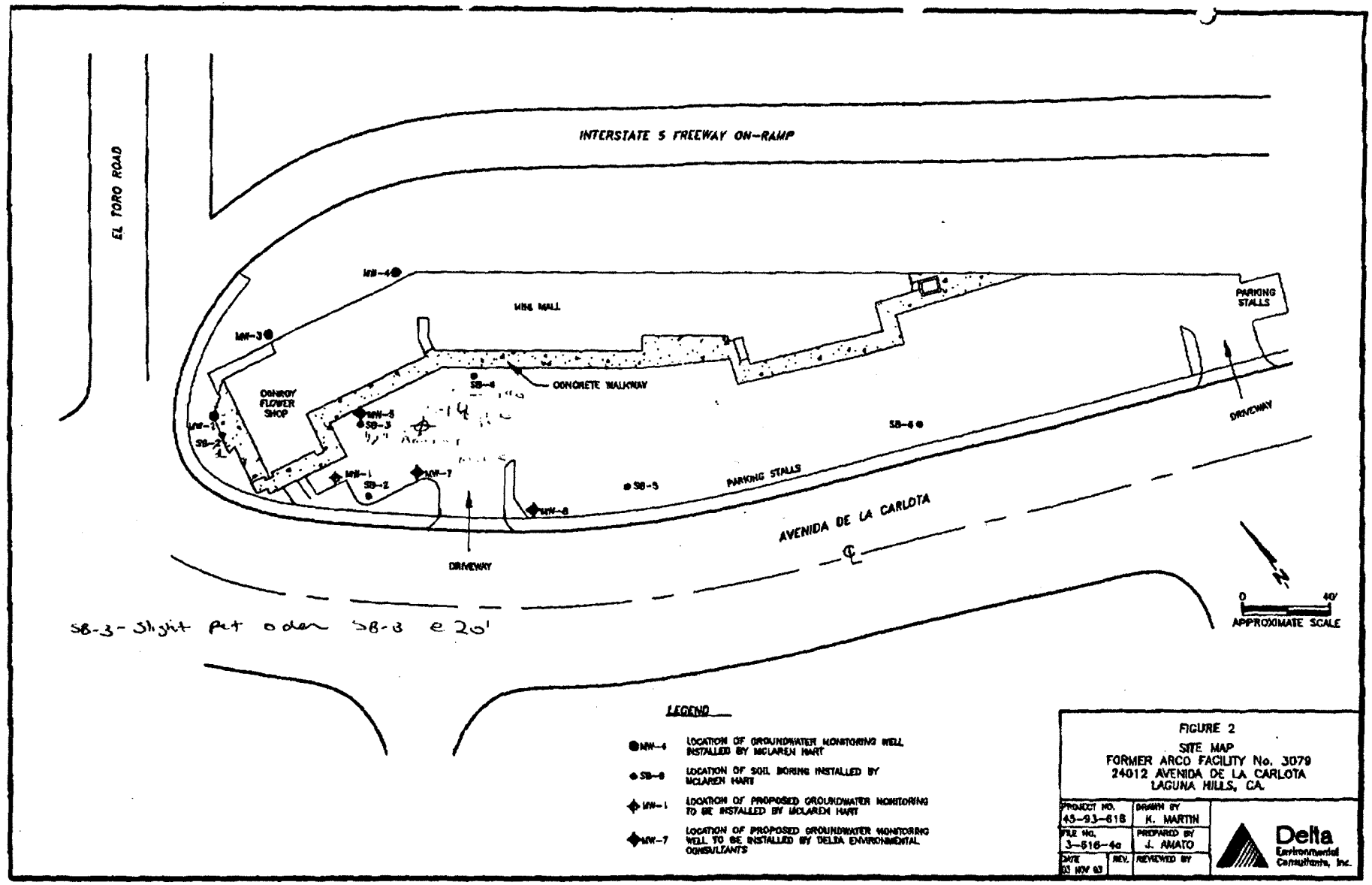
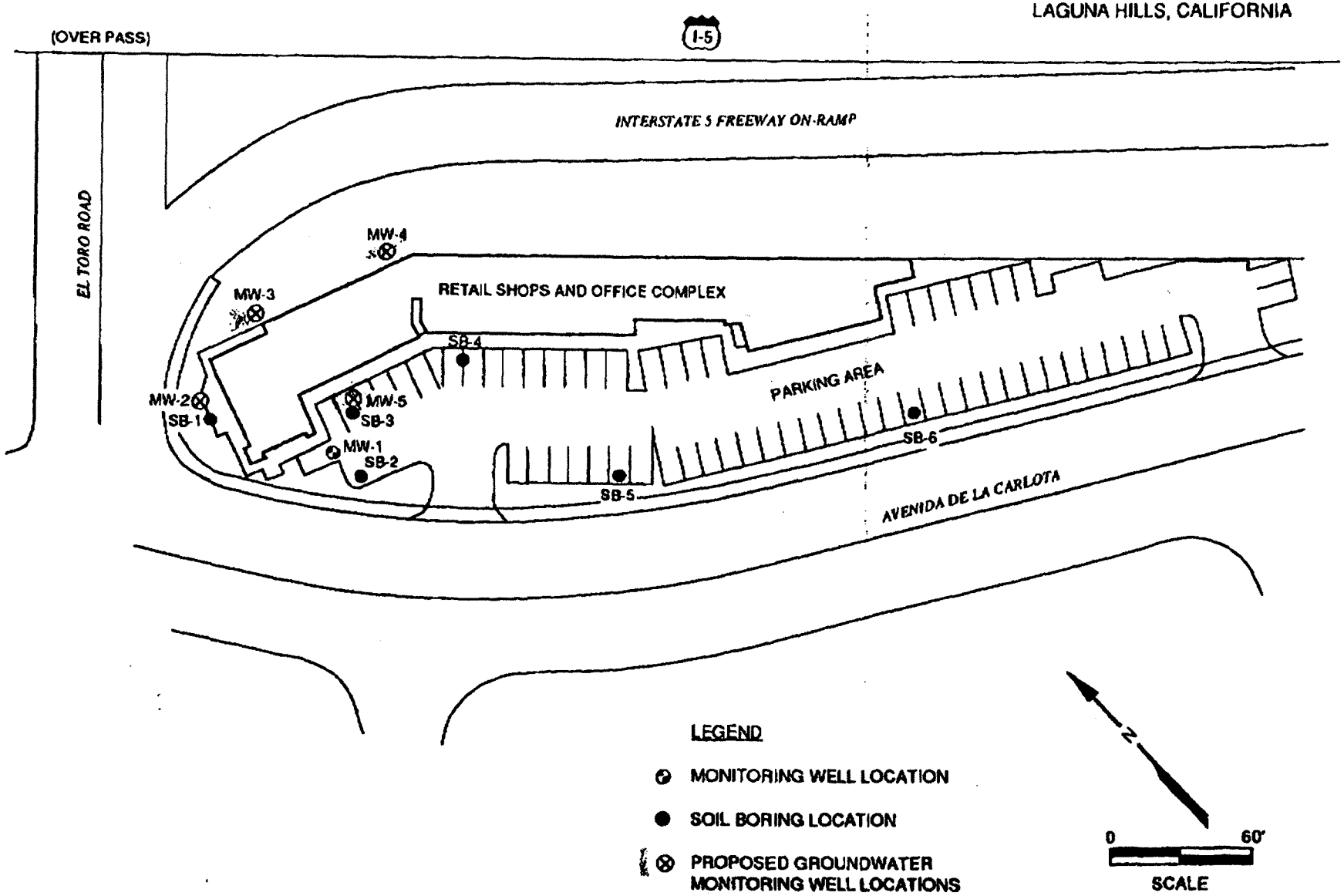

EL TORO ROAD
INTERSTATE 5 FREEWAY ON-RAMP
MW-4
MW-3
MW-2
MW-1
MW-5
MW-7
MW-8
SB-1
SB-2
SB-3
SB-4
SB-5
SB-6
MINI MALL
CONCRETE WALKWAY
CONROY FLOWER SHOP
PARKING STALLS
PARKING STALLS
DRIVEWAY
DRIVEWAY
AVENIDA DE LA CARLOTA
0
40'
APPROXIMATE SCALE
SB-3 - Slight pet odor SB-3 e 20'
LEGEND
MW-4 LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY MCLAREN HART
SB-6 LOCATION OF SOIL BORING INSTALLED BY MCLAREN HART
MW-1 LOCATION OF PROPOSED GROUNDWATER MONITORING TO BE INSTALLED BY MCLAREN HART
MW-7 LOCATION OF PROPOSED GROUNDWATER MONITORING WELL TO BE INSTALLED BY DELTA ENVIRONMENTAL CONSULTANTS
FIGURE 2
SITE MAP
FORMER ARCO FACILITY No. 3079
24012 AVENIDA DE LA CARLOTA
LAGUNA HILLS, CA.
PROJECT NO. 45-93-618
DRAWN BY K. MARTIN
FILE NO. 3-516-4a
PREPARED BY J. AMATO
DATE 03 NOV 93
REV.
REVIEWED BY
Delta Environmental Consultants, Inc.

FIGURE 1
SOIL AND GROUNDWATER
SAMPLE LOCATIONS AND PROPOSED
MONITORING WELL LOCATIONS
CARLOTA PLAZA,
LAGUNA HILLS, CALIFORNIA



M9008005

FROM : CROWLER-REGION 8 PHONE NO. : 909 781 6288 SEP. 17 1997 08:07AM P10

Station Operator: ARCO

Contact: Deborah Felt
ARCO Legal Department
333 South Hope Street, Ste. 1613
Los Angeles, CA 90071
Telephone: (213) 486-0936
Facsimile: (213) 486-0939

Note: at this time, KW requested that NOM handle this case.

September 18, 1997

Memo from NOM

I discussed the site history with Robert Loomer. Since I had the file during his file review (at the PAC), I will forward copy of this summary and copies of data to him on 9/19/97 per our conversation.

NOM/carlota.sum
9/18/97

LEGALLY PRIVILEGED
AND CONFIDENTIAL:
ATTORNEY/CLIENT WORK
PRODUCT PRIVILEGES"

TABLE 1

SUMMARY OF SOIL ANALYTICAL RESULTS
CARLOTA PLAZA
LAGUNA HILLS, CALIFORNIA

Sample ID	Depth (feet)	TPH[1] (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)
SB-1	13	<10	<0.01	<0.01	<0.01	<0.01
SB-2	13	<10	<0.01	<0.01	<0.01	<0.01
SB-3	7	<10	<0.01	<0.01	<0.01	<0.01
	14	180	0.31	0.6	1.3	8.1
SB-4	13	<10	<0.01	<0.01	<0.01	<0.01
SB-5	13	<10	<0.01	<0.01	<0.01	<0.01
SB-6	13	<10	<0.01	<0.01	<0.01	<0.01

1. Total Petroleum Hydrocarbons (Gasoline Range)

"LEGALLY PRIVILEGED AND CONFIDENTIAL: ATTORNEY/CLIENT WORK PRODUCT PRIVILEGES"

TABLE 2

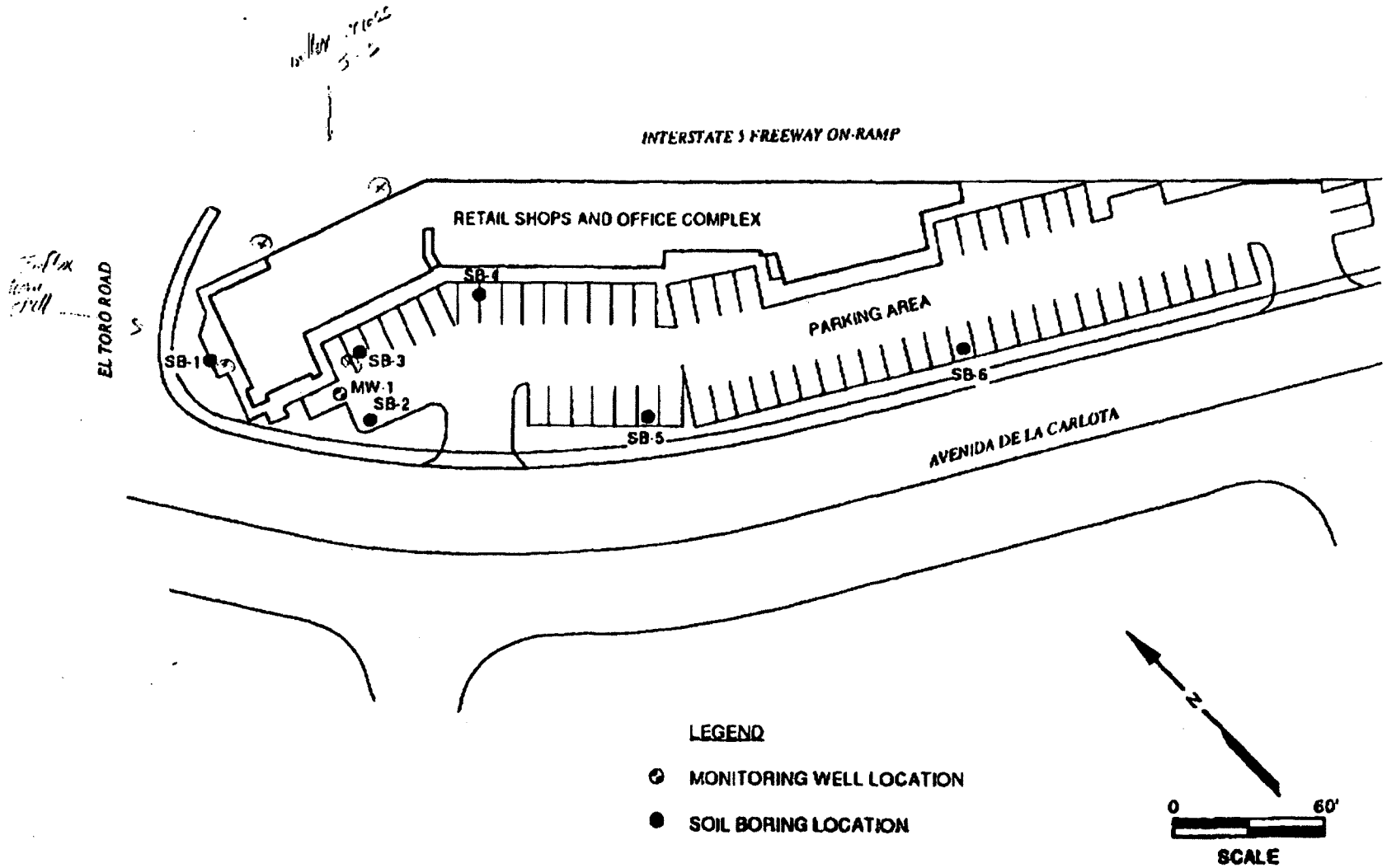
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
CARLOTA PLAZA
LAGUNA HILLS, CALIFORNIA

Sample ID	TPH[1] (ppm)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylene (ppb)	1,2-DCA (ppb)	Trichloroethene (ppb)	Tetrachloroethene (ppb)
MW-1	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SB-1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SB-2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SB-3	290[2]	4,100	2,500	2,600	16,200	91	<5.0	<5.0
SB-4	0.56	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SB-5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SB-6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.69	0.88
California State Maximum Contaminant Levels (MCL)		1.0	100[3]	680	1,750	0.5	5.0	5.0

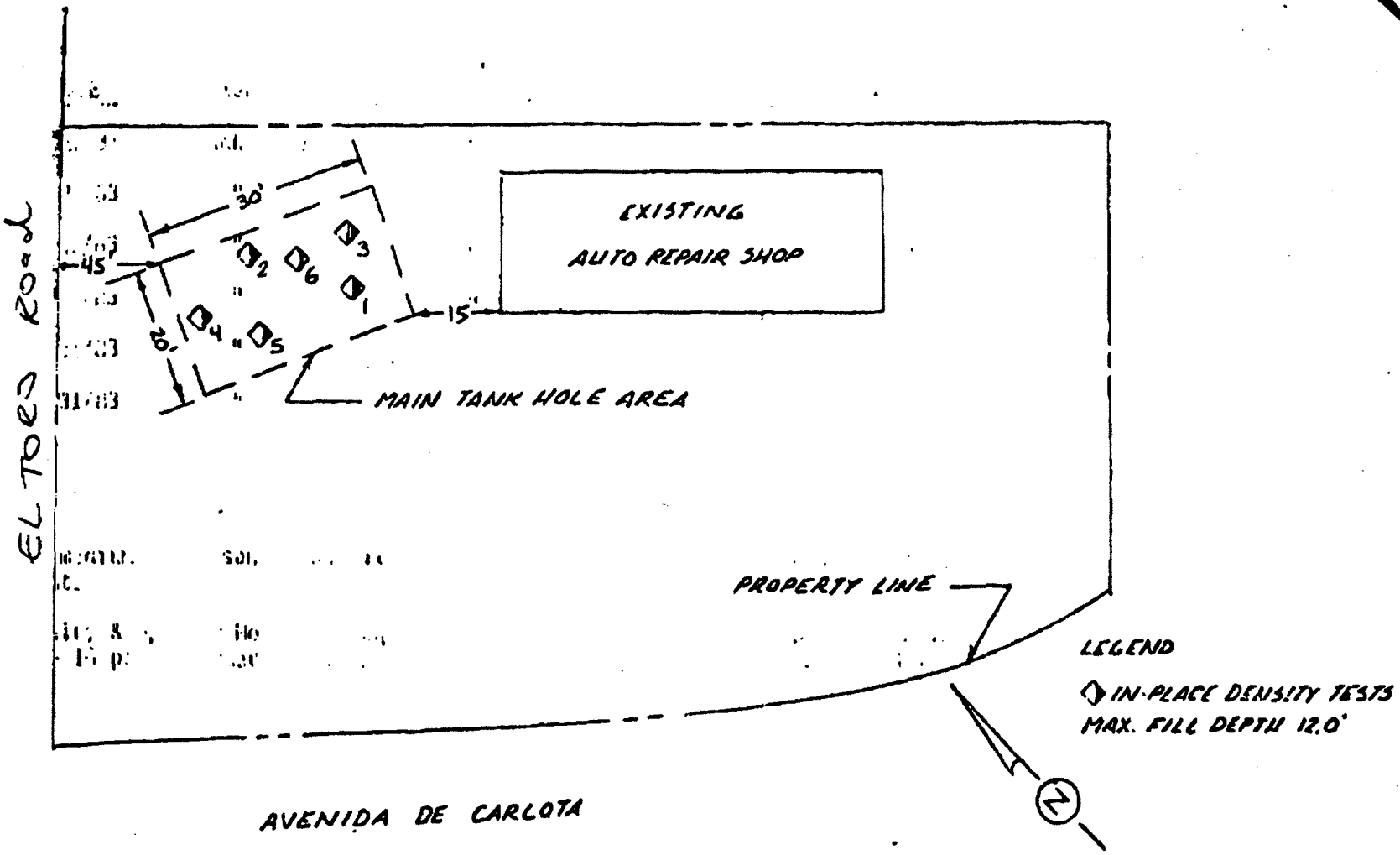
1. Total Petroleum Hydrocarbons (Gasoline Range)
2. 3.1 ppm of TPH - motor oil range also detected in groundwater obtained from SB-3.
3. California State Action Level, no MCL established

"LEGALLY PRIVILEGED AND CONFIDENTIAL: ATTORNEY/CLIENT WORK PRODUCT PRIVILEGES"

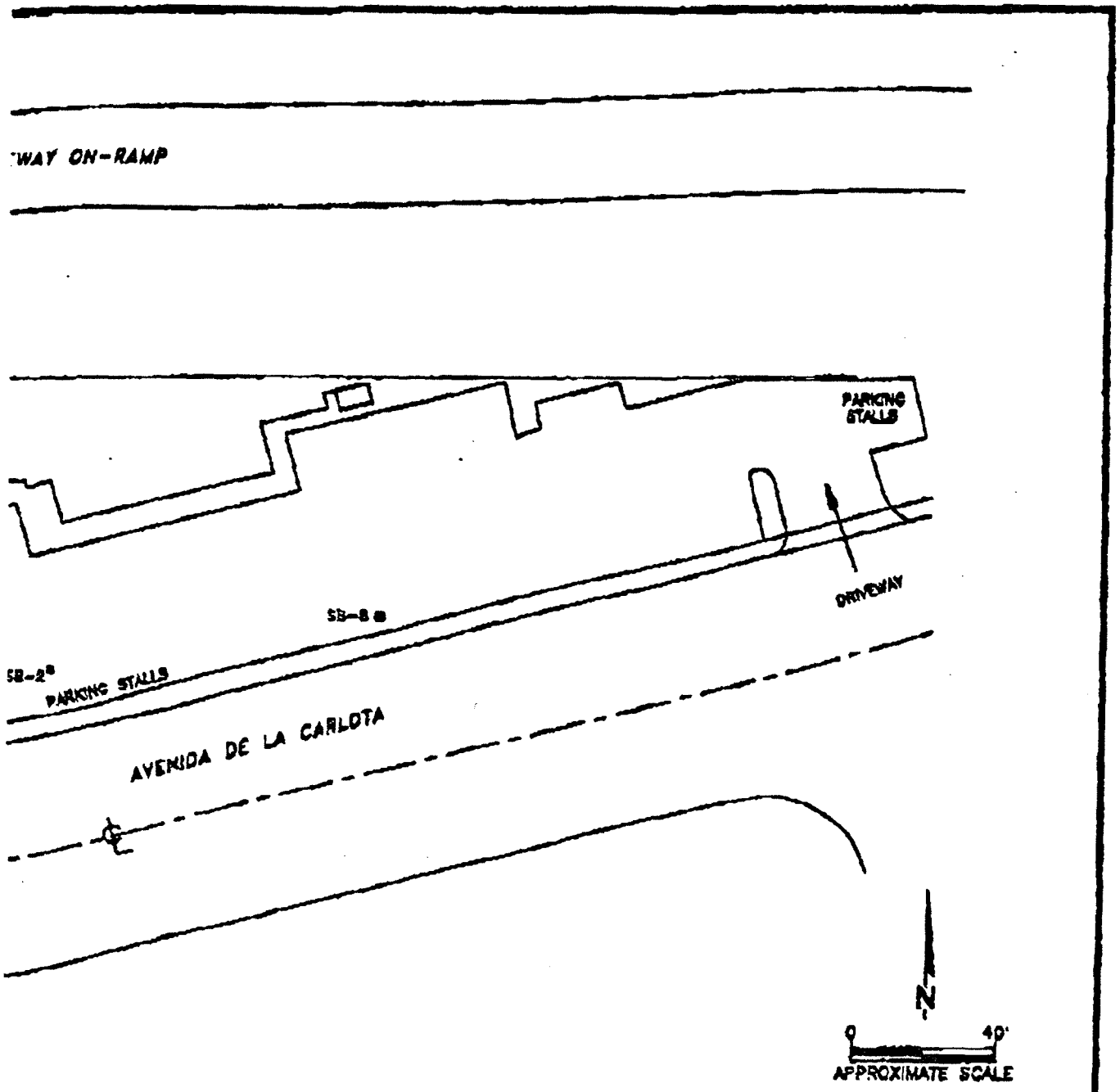
FIGURE 2
SITE LAYOUT AND SOIL AND GROUNDWATER SAMPLE LOCATIONS
CARLOTA PLAZA,
LAGUNA HILLS, CALIFORNIA



M8300001



Title PLOT PLAN · SERVICE STATION TANK HOLE BACKFILL & DENSITY TEST LOCATIONS		AAKO GEOTECHNICAL ENGINEERING CONSULTANTS, INC.
Client D.S.T. BLDRS. P.O. BOX 758 WESTMINSTER, CA	Site 24012 AVENIDA DE CARLOTA LAGUNA HILLS, CA	1818 E. Ball Road Anaheim, CA 92805 (714) 635-6570
Scale NO SCALE	Date MAY 26, 27 & 31, 1983	Job No. 3506-C1-83 / Dwg. No. 1



TPHg	3,600	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
B	430	BENZENE
T	ND<7.5	TOLUENE
E	280	ETHYLBENZENE
X	360	TOTAL XYLENES
MTBE	380	METHYL TERT-BUTYL ETHER
ND		NOT DETECTED AT OR ABOVE DETECTION LIMITS

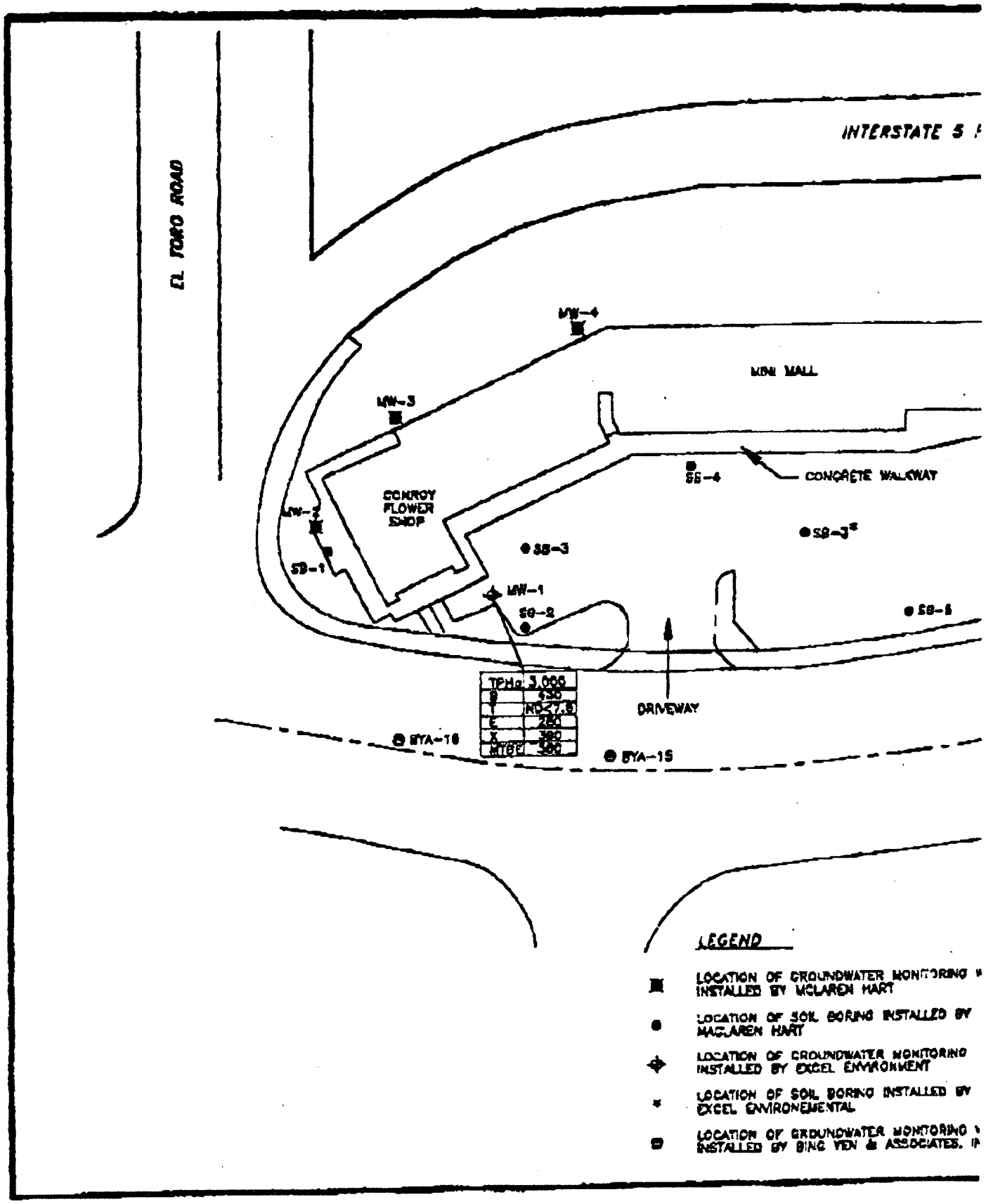
NOTE: 1. ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER (ug/L)

FIGURE 1

SITE MAP
FORMER ARCO FACILITY No. 3079
24012 AVENIDA DE LA CARLOTA
LAGUNA HILLS, CA

PROJECT NO. L093-618	DRAWN BY K. MARTIN
FILE NO. 3-618-09	PREPARED BY J. JUNGKUNTZ
DATE 14 JAN 97 / REV.	REVIEWED BY

Delta Environmental Consultants, Inc.


INTERSTATE 5
EL TORO ROAD
MW-4
MINI MALL
MW-3
SB-4
CONCRETE WALKWAY
CONROY FLOWER SHOP
MW-2
SB-1
SB-3
MW-1
SB-2
SB-5
TPHg 3,000
B 430
T ND<7.5
E 280
X 380
MTBE 500
DRIVEWAY
BYA-16
BYA-15
LEGEND
LOCATION OF GROUNDWATER MONITORING
INSTALLED BY MCLAREN HART
LOCATION OF SOIL BORING INSTALLED BY
MACLAREN HART
LOCATION OF GROUNDWATER MONITORING
INSTALLED BY EXCEL ENVIRONMENT
LOCATION OF SOIL BORING INSTALLED BY
EXCEL ENVIRONEMENTAL
LOCATION OF GROUNDWATER MONITORING
INSTALLED BY BING YEN & ASSOCIATES.

BING YEN & ASSOCIATES, INC.
Geotechnical & Environmental Consultants, Established 1979

December 13, 1996

Nancy Martin
Regional Water Quality Control Board
101 Monterey Park, CA 91754

Ms. Martin:

Per your request, Bing Yen & Associates has retrieved analytical results for the following three monitoring wells: AMW-1, BYA-15 and BYA-16. The results of these analyses are summarized in the table below and copies of the laboratory reports are included with this letter.

MONITORING WELL	DATE	Benzene	Toluene	Ethylbenzene	Xylene	TPH
AMW-1	3/2/94	14	3.3	9.6	33	190
BYA-15	3/2/94	(0.2)	(0.2)	(0.3)	(0.4)	--
BYA-15	4/6/94	(0.2)	(0.2)	(0.3)	(0.4)	(100)
BYA-16	3/2/94	(0.2)	(0.2)	(0.3)	(0.4)	--
BYA-16	4/6/94	(0.2)	(0.2)	(0.3)	(0.4)	(100)

Note: Numbers in parentheses indicate contamination was not present above the associated detection limit.

If you have any questions, or comments, please do not hesitate to contact the undersigned.

Respectfully,

BING YEN & ASSOCIATES

Christian C. Mackin
Staff Hydrogeologist

Attachments

cc John Amato (w/ Attachments)

17701 Mitchell North, Irvine, California 92614-6029 Phone (714) 757-1941 Fax (714) 757-1943 e-mail: bya@earthlink.net

TOM URAM
DIRECTOR

CAROL D. KISER
DIRECTOR OF ADMINISTRATION

ADDRESS:
515 NORTH SYCAMORE STREET, SUITE 120
SANTA ANA, CA 92701

MAILING ADDRESS:
P.O. BOX 355
SANTA ANA, CA 92702

TELEPHONE: (714) 834-3446
FAX: (714) 835-9312

COUNTY OF ORANGE
HEALTH CARE AGENCY

ADMINISTRATION • CUSTODIAN OF RECORDS

RE: 24155 EL TORO RD.,
LAGUNA HILLS, CA.

The undersigned declares:

1. I am the duly authorized Custodian of Records delivered herewith and have the authority to certify these records as to their authenticity.

2. The copies of records accompanying this Declaration are true copies of all the records described in your request in this action to the extent that I have them.

3. The records were prepared in the ordinary course of the business concerned at or near the time of the act, condition, or event which they depict.

4. The Health Care Agency may not be the only source of record. Please check with the Fire Department, the Water Quality Control Board and/or the State Department of Health Services.

I declare under penalty of perjury that the foregoing is true and correct. Executed at Santa Ana, California this 25th day of August, 1997.

William J. Strachan
Custodian of Records
Health Care Agency

CERT: 49499

Orange County Health Care Agency
Environmental He Division, Hazardous Ma als Management Section
Mailing ress: P.O. Box 355, San na, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3700

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

FILE NO: 012672 ACCOUNT NO: 16214 EPA# : CAL000116155
UST PERMIT NO:
FACILITY: KITS CAMERAS #29 PERMIT: NONE

STREET: 24155 LAGUNA HILLS MALL BLDG# STE# MAP COORDINATES: 891-F7

CITY: LAGUNA HILLS ZIP: 92653 DISTRICT: 301
CITY CODE: 143 LAGUNA HILLS

NEAREST CROSS STREET: EL TORO TSD FACILITY? N

NEW DBA? ___ NEW BUSINESS? ___ NEW ADDRESS? ___ NEW OWNER? ___ PUBLIC AGENCY?

NEW INFO: _____

HW INSPECTION TYPE: 1 NO OF UST ON SITE: ____ UST INSPECTION TYPE: __

NUMBER OF EMPLOYEES: 6 F # TANKS TO BILL : ____ UST COMPLIANCE CODE: __

LAST HW ROUTINE INSPECTION: 01-09-95 LAST UST ROUTINE INSPECTION: _____

HW EXEMPT CODE: 1 UST EXEMPT CODE: _____

HW STATUS CODE: 1 UST STATUS CODE: _____

BUSINESS OWNER: KITS CORP PHONE: (206) 872-368

TANK OPERATOR: _____ PHONE: (____) ____-__

CONTACT: ~~STEVE SHAPIRO~~ Bob Lehmuth PHONE: (714) 859-753

HW BILLING (NAME & MAILING ADDRESS):
KITS CORPORATE OFFICE
6051 S 194TH ST

KENT WA 98032-219
PHONE: (206) 872-3688

UST BILLING (NAME & MAILING ADDRESS):
PHONE: (____) ____-_____

PROPERTY OWNER (NAME & MAILING ADDRESS):
PHONE: (____) ____-_____

TANK OWNER (NAME & MAILING ADDRESS):
PHONE: (714) 494-2117

EMERGENCY CONTACTS
DAY: ~~STEVE SHAPIRO~~ Bob Lehmuth PHONE: (714) 859-7539
NIGHT: _____ PHONE: (____) ____-_____

ACTIVE ICR
INSPECTOR #: 156 NAME: O'Donnell DATE: 3/4/97

ENTERED MAR 10 1997

Run Date: 12-11-96 HW INSP CNTR: 3 UST INSP CNTR: PAGE 1 OF ___

HA[illegible]OUS WASTE INSPECTION RE[illegible]

DBA: KITS CAMERAS #29
ADDRESS: 24155 LAGUNA HILLS MALL BLDG# STE#
: LAGUNA HILLS, CA 926
CITY CODE: [43] LAGUNA HILLS

FILE NO: 012672 ACCOUNT NO: 16214 EPA# : CAL000116155
PROCESS: FIX

SIC CODE 1: [7384] PHOTOFINISHING LABORATORIES
SIC CODE 2: [7300] BUSINESS SERVICES

1 WASTE ID: [2082.W] FIX (PHOTO WASTE)
SPECIFIC WASTE: LIQUID
LOCATION: IN BACK
MAX VOL STORED: 10 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [95] NOT STORED ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 1000 ANNUAL VOL. DISPOS.: 1000
HOW DISPOS.: [54] TREATMENT - ON-SITE
HAULER: [9993] SEE "HOW DISPOSED"

2 WASTE ID: [2082.W] FIX (PHOTO WASTE)
SPECIFIC WASTE: 2-5 GAL CANISTER
LOCATION: IN BACK
MAX VOL STORED: 10 UNIT: [2] POUNDS FORM: [1] SOLID
HOW STORED: [13] TANK - PROCESS CONTAINER ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: ~~UNK~~ ANNUAL VOL. DISPOS.: UNK
HOW DISPOS.: [78 ~~79~~] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [~~9999~~ 1406] ~~UNKNOWN HAULER~~ Safety Kleen

3 WASTE ID: [2082.W] Fix
SPECIFIC WASTE: Electrolytic recovery system
LOCATION: Shop
MAX VOL STORED: 3 UNIT: [2] lbs FORM: [11] flake
HOW STORED: [33] in machine ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: ANNUAL VOL.DISPOS.:
HOW DISPOS.: [78] Recycled
HAULER: [1406] ~~Safe~~ Safety Kleen

INSPECTION DATE: ___/___/___ PAGE: ___ OF ___

Orange County Health Care Agency -
HA OUS WASTE INSPECTION RE

DBA: KITS CAMERAS #29
ADDRESS: 24155 LAGUNA HILLS MALL BLDG# STE#
: LAGUNA HILLS, CA 926
CITY CODE: [43] LAGUNA HILLS

FILE NO: 012672 ACCOUNT NO: 16214 EPA# : CAL000116155

VIOLATION DESCRIPTIONS

Waste Determination

___ 001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE

EPA Identification Number

___ 051 GENERATOR HAS NO EPA IDENTIFICATION NUMBER

Manifests

___ 052 MANIFESTS NOT ACCURATELY COMPLETED
___ 053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE
___ 054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW DURING INSPECTION
___ 055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DTSC
___ 101 MANIFESTS,BIENNIAL REPORT,EXCEPTION REPORTS,TEST RESULTS NOT RETAINED ON SITE FOR AT LEAST 3 YEARS

Non-Registered Hauler

___ 201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY A NON-REGISTERED HAULER
___ 202 HAZARDOUS WASTE NOT TAKEN TO A STATE-PERMITTED FACILITY

Extremely Hazardous Waste

___ 251 EXTREMELY HAZARDOUS WASTE HANDLED OR DISPOSED WITHOUT A PERMIT
___ 252 DEVIATION FROM DTSC - APPROVED HANDLING OR DISPOSAL METHODS MADE FOR EXTREMELY HAZARDOUS WASTE

Training

___ 301 PERSONNEL NOT TRAINED ON THE JOB OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT
___ 302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT
___ 303 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE
___ 304 COMPLETE PERSONNEL TRAINING RECORDS ARE NOT BEING MAINTAINED ON SITE

Contingency Plan

___ 351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE
___ 352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION
___ 353 EMERGENCY COORDINATOR IS NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION & EMERGENCY PROCEDURES

Emergency

___ 354 RELEASED WASTE OR CONTAMINATED EQUIPMENT IS NOT PROPERLY TREATED, STORED OR DISPOSED
___ 404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT

Labeling

___ 452 CONTAINERS NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION
06/05/95 ___ 453 EACH CONTAINER AND TANK NOT CLEARLY LABELED "HAZARDOUS WASTE" WITH REQUIRED DETAILS

Storage

___ 451 HAZARDOUS WASTE STORED BEYOND MAXIMUM ACCUMULATION TIME
___ 454 WASTE IS NOT PACKAGED, LABELED, AND PLACARDED ACCORDING TO 49 CFR (DOT)
___ 455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED
___ 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS
___ 502 CONTAINERS ARE NOT COMPATIBLE WITH THE WASTE IN THEM
___ 503 CONTAINERS ARE NOT STORED CLOSED
___ 504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS OR DEFECTS
___ 505 IGNITABLE OR REACTIVE WASTES ARE NOT STORED 50 FT. FROM FACILITY PROPERTY LINE
___ 506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT OR MIXING
___ 507 INCOMPATIBLES ARE NOT STORED OR PROTECTED IN SEPARATE CONTAINERS
___ 700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE

Closure

___ 800 FACILITY HAS NOT BEEN CLOSED IN A MANNER WHICH WILL PROTECT HUMAN HEALTH AND THE ENVIRONMENT

INSPECTION DATE: ___/___/___ PAGE ___ OF ___

Orange County Health Care Agency
HA OUS WASTE INSPECTION RE

DBA: KITS CAMERAS #29
ADDRESS: 24155 LAGUNA HILLS MALL BLDG# STE#
: LAGUNA HILLS, CA 926
CITY CODE: [43] LAGUNA HILLS

FILE NO: 012672 ACCOUNT NO: 16214 EPA# : CAL000116155

Tiered Permitting

___ 601 FACILITY HAS NOT FILED NOTIFICATION UNDER TIERED PERMITTING

Source Reduction

___ 901 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION EVALUATION REVIEW AND PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE

___ 902 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION COMPLIANCE CHECKLIST OR HAS NOT MAINTAINED THE CHECKLIST AT THE SITE

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and California Code of Regulations, Title 22, and shall be corrected as indicated

Routine inspection
Waste fixer is treated in an electrolytic silver recovery system and and ion exchange silver recovery unit. Waste liquid effluent is disposed of to the sewer.
Manifests were onsite for review.
Less than 10 gallons per month of waste fixer is reportedly treated onsite. If greater than 10 gallons per month is treated, you must notify DTSC at (310) 590-4868.
Training records onsite.
No violations observed.

I DECLARE THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS 4 PAGE INSPECTION REPORT.

PRINT NAME & TITLE: R. H. Lehmuth Lab Manager

SIGNATURE: [signature] DATE: 3/12/97

Orange County Health Care Agency

Environmental Health Division, Hazardous Materials Management Section
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3700

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

FILE NO: 012672 ACCOUNT NO: 16214-2 EPA #: CAL000116155
FACILITY: Kits Cameras #29 UST PERMIT NO: PERMIT:
STREET: 24155 Laguna Hills Mall # 1615 MAP COORDINATES:
CITY: [ ] Laguna Hills ZIP: 92653-3612 DISTRICT:

NEAREST CROSS STREET: TSD FACILITY?
NEW DBA? ___ NEW BUSINESS? ___ NEW ADDRESS? ___ NEW OWNER? ___ PUBLIC AGENCY? ___
NEW INFO:

HW INSPECTION TYPE: 3 NO OF UST ON SITE: UST INSPECTION TYPE:
NUMBER OF EMPLOYEES: # TANKS TO BILL : UST COMPLIANCE CODE:
LAST DATE HW INSPECTED: LAST DATE UST INSPECTED:
HW EXEMPT CODE: UST EXEMPT CODE:
HW STATUS CODE: UST STATUS CODE:
BUSINESS OWNER: PHONE: ( )
TANK OPERATOR: PHONE: ( )
CONTACT: PHONE: ( )

HW BILLING (NAME & MAILING ADDRESS):
Facility owned
Kits Corporate Office
6051 S. 194th Street
Kent, Washington, 98032-2193
PHONE: (206) 872-3688

UST BILLING (NAME & MAILING ADDRESS)
PHONE: ( )

PROPERTY OWNER (NAME & MAILING ADDRESS):
PHONE: ( )

TANK OWNER (NAME & MAILING ADDRESS)
PHONE: ( )

EMERGENCY CONTACTS
Y: PHONE: ( )
HT: PHONE: ( )
E ICA:

JUN 13 1995
ENTERED

ITOR #: 232 NAME: Paul Dewey DATE: 6/5/95

PAGE 1 OF ___

Orange County Health Care Agency

P. Jun.

Environmental Health Division, Hazardous Materials Management Section
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3700 Bri Dewey 630am - 9am

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

FILE NO: 012672 ACCOUNT NO: 16244-1 EPA #: CAL000116155
UST PERMIT NO:
FACILITY: Kits Cameras #29 PERMIT:
STREET: 24155 Laguna Hills Mall MAP COORDINATES: 891-F7
CITY: [ ] Lag. Hills ZIP: 92653 DISTRICT: 202
NEAREST CROSS STREET: El Toro TSD FACILITY?
NEW DBA? ___ NEW BUSINESS? ✓ NEW ADDRESS? ___ NEW OWNER? ___ PUBLIC AGENCY? ___
NEW INFO:

HW INSPECTION TYPE: 1 NO OF UST ON SITE: ___ UST INSPECTION TYPE: ___
NUMBER OF EMPLOYEES: 6 (F) # TANKS TO BILL : ___ UST COMPLIANCE CODE: ___
LAST DATE HW INSPECTED: ___ LAST DATE UST INSPECTED: ___
HW EXEMPT CODE: 1 UST EXEMPT CODE: ___
HW STATUS CODE: 1 UST STATUS CODE: ___
BUSINESS OWNER: Kits Corp. PHONE: (206) 872-3688
TANK OPERATOR: PHONE: ( ) ___
CONTACT: STEVE SHAPIRO PHONE: (714) 859-753

HW BILLING (NAME & MAILING ADDRESS): UST BILLING (NAME & MAILING ADDRESS

PHONE: ( ) PHONE: ( )

PROPERTY OWNER (NAME & MAILING ADDRESS): TANK OWNER (NAME & MAILING ADDRESS

ENTERED JAN 12 1995

PHONE: ( ) PHONE: ( )

EMERGENCY CONTACTS
DAY: Steve Shapiro PHONE: (714) 859-7539
NIGHT: PHONE: ( )

ACTIVE ISD:
INSPECTOR #: 232 NAME: Bri Dewey DATE: 1/9/95

Orange County Health Care Agency
ARDOUS WASTE INSPECTION ORT

DBA:

ADDRESS:

:

FILE NO: ACCOUNT NO: EPA #:

PROCESS: Fix

SIC CODE 1: [7384] photo lab
SIC CODE 2: [7300]

WASTE ID: [2082] Fix
SPECIFIC WASTE: liquid
LOCATION: in back
MAX VOL STORED: 10 UNIT: [1] FORM: [2]
HOW STORED: [95] not stored ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 1000 ANNUAL VOL DISPOS.: 1000
HOW DISPOS.: [54] trt onsite
HAULER: [9993] See how desp

WASTE ID: [2082] Fix
SPECIFIC WASTE: 2-5 gal canister
LOCATION: in back
MAX VOL STORED: 10 UNIT: [2] FORM: [1]
HOW STORED: [13] in machine/unit ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: unk ANNUAL VOL DISPOS.: unk
HOW DISPOS.: [79] ~~[illegible]~~ recycled
HAULER: [9999] unk

WASTE ID: [ ]
SPECIFIC WASTE:
LOCATION:
MAX VOL STORED: UNIT: [ ] FORM: [ ]
HOW STORED: [ ] ONE-TIME-ONLY?
ANNUAL VOL. GEN.: ANNUAL VOL DISPOS.:
HOW DISPOS.: [ ]
HAULER: [ ]

INSPECTION DATE: ___/___/___ PAGE: ___ OF

Orange County Health Care Agency
RDOUS WASTE INSPECTION RT

DBA: _____

ADDRESS: _____

: _____

FILE NO: _____ ACCOUNT NO: _____ EPA #: _____

VIOLATION DESCRIPTIONS

Waste Determination
___ 001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE

EPA Identification Number
___ 051 GENERATOR HAS NO EPA IDENTIFICATION NUMBER

Manifests
___ 052 MANIFESTS NOT ACCURATELY COMPLETED
___ 053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE
___ 054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW DURING INSPECTION
___ 055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DOHS
___ 101 MANIFESTS,BIENNIAL REPORT,EXCEPTION REPORTS,TEST RESULTS NOT RETAINED ON SITE FOR AT LEAST 3 YEARS

Non-Registered Hauler
___ 201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY A NON-REGISTERED HAULER
___ 202 HAZARDOUS WASTE NOT TAKEN TO A STATE-PERMITTED FACILITY

Extremely Hazardous Waste
___ 251 EXTREMELY HAZARDOUS WASTE HANDLED OR DISPOSED WITHOUT A PERMIT
___ 252 DEVIATION FROM DOHS-APPROVED HANDLING OR DISPOSAL METHODS MADE FOR EXTREMELY HAZARDOUS WASTE

Training
___ 301 PERSONNEL NOT TRAINED ON THE JOB OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT
___ 302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT
___ 303 TRAINING DOES NOT INCLUDE EMERGENCY REPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE
___ 304 COMPLETE PERSONNEL TRAINING RECORDS ARE NOT BEING MAINTAINED ON SITE

Contingency Plan
___ 351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE
___ 352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION
___ 353 EMERGENCY COORDINATOR IS NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION & EMERGENCY PROCEDURES

Emergency
___ 354 RELEASED WASTE OR CONTAMINATED EQUIPMENT IS NOT PROPERLY TREATED, STORED OR DISPOSED
___ 404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT

Labeling
___ 452 CONTAINERS NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION
✓ 453 EACH CONTAINER AND TANK NOT CLEARLY LABELED "HAZARDOUS WASTE" WITH REQUIRED DETAILS

Source Reduction
___ 901 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION EVALUATION REVIEW AND PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE
___ 902 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION COMPLIANCE CHECKLIST OR HAS NOT MAINTAINED THE CHECKLIST AT THE SITE

INSPECTION DATE: ___/___/___

Orange County Health Care Agency
RDOUS WASTE INSPECTION RT

DBA: _____

ADDRESS: _____

: _____

FILE NO: _____ ACCOUNT NO: _____ EPA #: _____

Storage

___ 451 HAZARDOUS WASTE STORED MORE THAN 90 DAYS
___ 454 WASTE IS NOT PACKAGED, LABELED, AND PLACARDED ACCORDING TO 49 (DOT)
___ 455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED
___ 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS
___ 502 CONTAINERS ARE NOT COMPATIBLE WITH THE WASTE IN THEM
___ 503 CONTAINERS ARE NOT STORED CLOSED
___ 504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS OR DEFECTS
___ 505 IGNITABLE OR REACTIVE WASTES ARE NOT STORED 50 FT. FROM FACILITY PROPERTY LINE
___ 506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT OR MIXING
___ 507 INCOMPATIBLES ARE NOT STORED OR PROTECTED IN SEPARATE CONTAINERS
___ 700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and shall be corrected as indicated

Label your waste silver fix canisters (1) hazardous waste (2) waste silver (3) sludge, toxic (4) name & address of your company (5) accumulation date

facility has notified under tiered permitting

Note the silver fix canisters when used up must be handled as a hazardous waste. And must be hauled on a manifest to a permitted treatment facility. Keep all your receipts for handling of this waste onsite and available for review for 3 years.

I DECLARE THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS 4 PAGE INSPECTION REPORT.

PRINT NAME & TITLE: Craig R Dahmen

SIGNATURE: Craig R Dahmen DATE: 1/9/95

TOM URAM
DIRECTOR

CAROL D. KISER
DIRECTOR OF ADMINISTRATION

ADDRESS:
515 NORTH SYCAMORE STREET, SUITE 120
SANTA ANA, CA 92701

MAILING ADDRESS:
P.O. BOX 355
SANTA ANA, CA 92702

TELEPHONE: (714) 834-3446
FAX: (714) 835-9312

COUNTY OF ORANGE
HEALTH CARE AGENCY

ADMINISTRATION • CUSTODIAN OF RECORDS

RE: 23521 CALLE DE LA LOUISA
LAGUNA HILLS, CA.

The undersigned declares:

1. I am the duly authorized Custodian of Records delivered herewith and have the authority to certify these records as to their authenticity.

2. The copies of records accompanying this Declaration are true copies of all the records described in your request in this action to the extent that I have them.

3. The records were prepared in the ordinary course of the business concerned at or near the time of the act, condition, or event which they depict.

4. The Health Care Agency may not be the only source of record. Please check with the Fire Department, the Water Quality Control Board and/or the State Department of Health Services.

I declare under penalty of perjury that the foregoing is true and correct. Executed at Santa Ana, California this 25th day of August, 1997.

William J. Strachan
Custodian of Records
Health Care Agency

CERT: 49499

Orar unty Health Care Agen

Environmental Health Division, Hazardous Materials Management Section
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3700

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

FILE NO: 013695 ACCOUNT NO: 18016 EPA #:
UST PERMIT NO:
FACILITY: Lenscrafters PERMIT:
STREET: 24155 Laguna Hills Mall MAP COORDINATES:
CITY:[ ] Laguna Hills ZIP: 92653 DISTRICT:

NEAREST CROSS STREET: TSD FACILITY?
NEW DBA? NEW BUSINESS? NEW ADDRESS? NEW OWNER? PUBLIC AGENCY?
NEW INFO: Received CRC. All violations corrected 4-8-97.

HW INSPECTION TYPE: 93 NO OF UST ON SITE: UST INSPECTION TYPE:
NUMBER OF EMPLOYEES: # TANKS TO BILL : UST COMPLIANCE CODE:
LAST HW ROUTINE INSPECTION: LAST UST ROUTINE INSPECTION:
HW EXEMPT CODE: UST EXEMPT CODE:
HW STATUS CODE: UST STATUS CODE:
BUSINESS OWNER: PHONE: ( )
TANK OPERATOR: PHONE: ( )
CONTACT: PHONE: ( )

HW BILLING (NAME & MAILING ADDRESS):

PHONE: ( )

UST BILLING (NAME & MAILING ADDRESS

PHONE: ( )

PROPERTY OWNER (NAME & MAILING ADDRESS):

PHONE: ( )

TANK OWNER (NAME & MAILING ADDRESS

PHONE: ( )

EMERGENCY CONTACTS

ENTERED MAY 23 1997

DAY: PHONE: ( )
NIGHT: PHONE: ( )

ACTIVE ICR:
INSPECTOR #: 156 NAME: O'Donnell DATE: 5/7/97

ATTACHMENT 1.

County of Orange Health Care Agency
Environmental Health Division
Hazardous Materials Management Section
2009 E. Edinger Avenue
Santa Ana, CA 92705
Telephone: (714) 667-3700

Certificate of Return to Compliance

Violations Identified in the Inspection Report dated: 3-11-97 Inspector: O'Donnell

Facility's Name: LENSCRAFTERS EPA ID Number: CAL000128798

Facility's Address: 24155 Laguna Hills Mall Account::

City: Laguna Hills

Zip: CA 92653

Respondent's Name: TANYA FELDMAN

Respondent's Title: SENIOR MANAGER, SAFETY & ENVIRONMENTAL AFFAIRS

You must correct the violations listed on the attached Inspection Report within 30 days or as stipulated on the Inspection Report. Within five working days of achieving compliance, you must sign the statement certifying compliance and return it to this office at the above address. This Agency may reinspect this facility at any time.

I certify under penalty of law that:

1. I have corrected the violations from the Inspection Report as dated above.
2. I have personally examined any documentation attached to this certification to establish that the violations have been corrected, and have determined that all of the information provided is true, accurate and complete.
3. I am authorized to file this certification on behalf of the facility.
4. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

DATE ALL VIOLATIONS WERE CORRECTED: 4-8-97

Signature: Tanya Feldman

Printed or Typed Name: TANYA FELDMAN

Title: SENIOR MANAGER SAFETY/ENVIRONMENTAL AFFAIRS Date 4-9-97

LENSCRAFTERS

Helping People See Better. One Hour At A Time.

8650 Governor's Hill Drive
P.O. Box 429580
Cincinnati, OH 45242-9580
Tel. 513-583-6044

April 2, 1997

Mr. O'Donnnell
Orange County Health Care Agency
Environmental Health Division
P.O. Box 355,
Santa Ana, CA 92705

RE: LensCrafters Store #199 - 24155 Laguna Hills Mall, Suite 1090, Laguna Hills, CA 92653 - *Hazardous waste inspection report*

Dear Mr. O'Donnell:

This is in response to your inspection report, dated 3/11/97. Below you will find the information requested in the comment /violation section of your report. Attachment 1 is the signed "Certificate of Return to Compliance". At the end of this letter you will also find a few minor clarifications.

Violation # 001

Submit documentation supporting determination that the solid (sludge) from the weekly waste container is non-hazardous.

The sludge is a part of the weekly waste, accumulated in the process waste drum. Attached are the results of the 1991 sludge analyses, by Versar Environmental, a Sacramento based environmental consulting firm. **These results demonstrate that the sludge is non-hazardous.**

In 1995 the store has implemented a totally enclosed reclaim tank water filtration system. This system continuously recycles the lead/cadmium laden reclaim tank water. Previously the reclaim tank water was placed in the process waste drum along with coolants, tints, polishes and sludge. **Therefore, the sludge no longer comes in contact with cadmium and lead.** The attached results do not reflect this improvement. There have been no other changes in the store waste disposal process.

Violations # 452/453

Label the container of waste coating and waste toxic solids(lead and cadmium containing waste)with all required information.

Both containers have been labeled in accordance with this order.

Clarifications

1. Page 1: Business owner is LensCrafters Inc., and not Luxottica Inc. This information was provided in error .

LENSCRAFTERS

Helping People See Better. One Hour At A Time.

2. Page 2: Under "Process": Spent Polycarbonate lens coating is treated *(polymerized) under the UV light on site in accordance with manufacturing instructions.*

Please let me know if you have any additional questions.

Very truly yours,

Tanya Feldman

Tanya Feldman
Senior Manager, Safety and Environmental Affairs

c.c. R. Wilson
M. Grant
R. Robison
B. Layton
R. Schmidt
Srore GM/LM

Trace Analysis Laboratory, Inc.

LOG NO.: 1146
DATE SAMPLED: 7/26/91
DATE RECEIVED: 7/26/91
DATE EXTRACTED: 7/31/91
DATE ANALYZED: 8/1/91
DATE REPORTED: 8/02/91
PAGE: Two

		Sample Type: Sludge			
		#3		Method Blank	
Method and Constituent:	Units	Concentration	Reporting Limit	Concentration	Reporting Limit
EPA Method 8240:					
Chloromethane	ug/l	ND	800	ND	800
Bromomethane	ug/l	ND	800	ND	800
Vinyl Chloride	ug/l	ND	800	ND	800
Chloroethane	ug/l	ND	800	ND	800
Methylene Chloride	ug/l	ND	20,000	ND	20,000
Trichlorofluoromethane	ug/l	ND	4,000	ND	4,000
1,1-Dichloroethene	ug/l	ND	800	ND	800
1,1-Dichloroethane	ug/l	ND	800	ND	800
Trans-1,2-Dichloroethene	ug/l	ND	800	ND	800
Chloroform	ug/l	ND	800	ND	800
1,2-Dichloroethane	ug/l	ND	800	ND	800
1,1,1-Trichloroethane	ug/l	ND	4,000	ND	4,000
Carbon Tetrachloride	ug/l	ND	4,000	ND	4,000
Bromodichloromethane	ug/l	ND	800	ND	800
1,2-Dichloropropane	ug/l	ND	4,000	ND	4,000
Trans-1,3-Dichloropropene	ug/l	ND	4,000	ND	4,000
1,1,2-Trichloroethane	ug/l	ND	4,000	ND	4,000
Trichloroethene	ug/l	ND	800	ND	800
Benzene	ug/l	ND	20,000	ND	20,000

Concentrations reported as ND were not detected at or above the reporting limit.

Trace Analysis Laboratory, Inc.

LOG NO.: 1146
DATE SAMPLED: 7/26/91
DATE RECEIVED: 7/26/91
DATE EXTRACTED: 7/31/91
DATE ANALYZED: 8/01/91
DATE REPORTED: 8/02/91
PAGE: Three

Sample Type: Sludge

Method and Constituent	Units	#3 Concentration	#3 Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
EPA Method 8240 (Continued):					
2-Chloroethylvinyl Ether	ug/l	ND	20,000	ND	20,000
Dibromochloromethane	ug/l	ND	4,000	ND	4,000
Cis-1,3-Dichloropropene	ug/l	ND	4,000	ND	4,000
Bromoform	ug/l	ND	4,000	ND	4,000
1,1,2,2-Tetrachloroethane	ug/l	ND	4,000	ND	4,000
Tetrachloroethene	ug/l	ND	800	ND	800
Toluene	ug/l	ND	20,000	ND	20,000
Chlorobenzene	ug/l	ND	800	ND	800
Ethylbenzene	ug/l	ND	4,000	ND	4,000
1,3-Dichlorobenzene	ug/l	ND	4,000	ND	4,000
1,2-Dichlorobenzene	ug/l	ND	4,000	ND	4,000
1,4-Dichlorobenzene	ug/l	ND	4,000	ND	4,000

Surrogate % Recovery		
Bromochloromethane	93	95
1-Chloro,2-Bromopropane	77	96
1,4-Dichlorobutane	69	91

Concentrations reported as ND were not detected at or above the reporting limit.

Trace Analysis Laboratory, Inc.

LOG NO.: 1146
DATE SAMPLED: 7/26/91
DATE RECEIVED: 7/26/91
DATE EXTRACTED: 7/31/91 and 8/01/91
DATE ANALYZED: 8/01/91 and 8/02/91
DATE REPORTED: 8/02/91
PAGE: Four

Sample Type: Sludge

Method and Constituent:	Units	#2 Concentration	#2 Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit	QC Summary % Recovery	QC Summary % RPD
EPA Method 7040:							
Antimony	ug/l	ND	330	ND	330	110	*
EPA Method 7061:							
Arsenic	ug/l	18	8.1	ND	8.1	110**	22
EPA Method 7080:							
Barium	ug/l	ND	1,600	ND	1,600	98	*
EPA Method 7090:							
Beryllium	ug/l	ND	5.0	9	5.0	90	*
EPA Method 7130:							
Cadmium	ug/l	150	5.0	ND	5.0	100	2.4
EPA Method 7190:							
Chromium	ug/l	50	50	ND	50	100	*
EPA Method 219.1:							
Cobalt	ug/l	ND	500	ND	500	110	*
EPA Method 7210:							
Copper	ug/l	260	200	ND	200	100	0.0

Concentrations reported as ND were not detected at or above the reporting limit.

Trace Analysis Laboratory, Inc.

LOG NO.: 1146
DATE SAMPLED: 7/26/91
DATE RECEIVED: 7/26/91
DATE EXTRACTED: 7/29/91, 7/31/91, and 8/01/91
DATE ANALYZED: 7/30/91, 8/01/91, and 8/02/91
DATE REPORTED: 8/02/91
PAGE: Five

Sample Type: Sludge

Method and Constituent:	Units	#2 Concentration	#2 Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit	QC Summary % Recovery	QC Summary % RPD
EPA Method 7420:							
Lead	ug/l	ND	100	ND	100	94	*
EPA Method 7471:							
Mercury	ug/l	ND	0.20	ND	0.20	140	*
EPA Method 246.1							
Molybdenum	ug/l	ND	1,000	ND	1,000	92	*
EPA Method 7520:							
Nickel	ug/l	2,400	300	ND	300	110	*
EPA Method 7741:							
Selenium	ug/l	ND	2.0	ND	2.0	95**	*
EPA Method 7760:							
Silver	ug/l	38	10	ND	10	98	9.8
EPA Method 7841:							
Thallium	ug/l	ND	100	ND	100	110	*
EPA Method 7910:							
Vanadium	ug/l	ND	260	ND	260	100	*
EPA Method 7950:							
Zinc	ug/l	1,200	50	ND	50	110**	0.5

Concentrations reported as ND were not detected at or above the reporting limit.

*The RPD is not reportable, since the sample prepared in duplicate was not detectable.

**The recovery is based on the laboratory control sampled, due to interference in the spiked sample.

Orange County Health Care Agency

Environmental Health Division, Hazardous Materials Management Section
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3700

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

FILE NO: 013695 ACCOUNT NO: 18016-1 EPA #: CAL000128798
UST PERMIT NO:
FACILITY: Lenscrafter PERMIT:
STREET: 24155 Laguna Hills Mall, Suite 1090 MAP COORDINATES: 89 F7
CITY: [43] Laguna Hills ZIP: 92653 DISTRICT: 301

NEAREST CROSS STREET: TSD FACILITY?
NEW DBA? ___ NEW BUSINESS? ✓ NEW ADDRESS? ___ NEW OWNER? ___ PUBLIC AGENCY? ___
NEW INFO:

HW INSPECTION TYPE: 1 NO OF UST ON SITE: ___ UST INSPECTION TYPE: ___
NUMBER OF EMPLOYEES: ~~E~~ 36 # TANKS TO BILL : ___ UST COMPLIANCE CODE: ___
LAST HW ROUTINE INSPECTION: ___ LAST UST ROUTINE INSPECTION: ___
HW EXEMPT CODE: 1 UST EXEMPT CODE:
HW STATUS CODE: 1 UST STATUS CODE:
BUSINESS OWNER: Luxottica, Inc. PHONE: (714) 458-0119
TANK OPERATOR: PHONE: ( )
CONTACT: Mark Pacheco PHONE: ( ) " "

HW BILLING (NAME & MAILING ADDRESS):
PHONE: ( )

UST BILLING (NAME & MAILING ADDRESS
PHONE: ( )

PROPERTY OWNER (NAME & MAILING ADDRESS):
PHONE: ( )

TANK OWNER (NAME & MAILING ADDRESS
PHONE: ( )

ENTERED MAR 18 1997

EMERGENCY CONTACTS
DAY: Mark Pacheco PHONE: (714) 458-0119
NIGHT: PHONE: ( )

ACTIVE ICR:
INSPECTOR #: 156 NAME: O'Donnell DATE: 3/11/97

Oran County Health Care Agenc
RDOUS WASTE INSPECTION RT

DBA: Lenscrafter

ADDRESS:

: Laguna Hills

FILE NO: _____ ACCOUNT NO: _____ EPA #: _____

PROCESS: Manufacturers lenses for eyeglasses. Generates waste IPA and metal alloy-contaminated solids. Waste IPA is treated (evaporated) onsite. Metal alloy-contaminated solids are containerized and ~~hauled off site~~ ~~as~~ disposed of as hazardous waste.

SIC CODE 1: [~~3211~~ 3080] ~~Flat glass~~ Misc. plastic.

SIC CODE 2: [~~3200~~ 3000] ~~Glass products~~ Plastic products

WASTE ID: [2126.W] Toxic metals - heavy metals

SPECIFIC WASTE: Resin and paper filters, slag from blocker machine, reclaim tank wipes, and blue surface saver tape.

LOCATION: Rear of Shop

MAX VOL STORED: 30 UNIT: [( ] gal FORM: [1] solid

HOW STORED: [2] metal drum ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 30 ANNUAL VOL DISPOS.: 30

HOW DISPOS.: [78] Recycled

HAULER: [1406] Safety Kleen

WASTE ID: [2125.W] IPA

SPECIFIC WASTE: 99% IPA + 1% HT300 ("Clean'n Coat" machine solution)

LOCATION: Under counter of "Clean'N Coat" machine

MAX VOL STORED: 2 UNIT: [( ] gal FORM: [2] liq

HOW STORED: [6] plastic jug ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 1 ANNUAL VOL DISPOS.: 1

HOW DISPOS.: [54] Treatment onsite

HAULER: [9993] See "How Disposed"

WASTE ID: [ ]

SPECIFIC WASTE:

LOCATION:

MAX VOL STORED: _____ UNIT: [ ] _____ FORM: [ ] _____

HOW STORED: [ ] _____ ONE-TIME-ONLY? _____

ANNUAL VOL. GEN.: _____ ANNUAL VOL DISPOS.: _____

HOW DISPOS.: [ ] _____

HAULER: [ ] _____

INSPECTION DATE: ___/___/___

Orange County Health Care Agency
H DOUS WASTE INSPECTION R T

DBA: Lens Crafter

ADDRESS:

: Laguna Hills Mall

FILE NO: _____ ACCOUNT NO: _____ EPA #: _____

VIOLATION DESCRIPTIONS

Waste Determination
✓ 001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE

EPA Identification Number
___ 051 GENERATOR HAS NO EPA IDENTIFICATION NUMBER

Manifests
___ 052 MANIFESTS NOT ACCURATELY COMPLETED
___ 053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE
___ 054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW DURING INSPECTION
___ 055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DTSC
___ 101 MANIFESTS,BIENNIAL REPORT,EXCEPTION REPORTS,TEST RESULTS NOT RETAINED ON SITE FOR AT LEAST 3 YEARS

Non-Registered Hauler
___ 201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY A NON-REGISTERED HAULER
___ 202 HAZARDOUS WASTE NOT TAKEN TO A STATE-PERMITTED FACILITY

Extremely Hazardous Waste
___ 251 EXTREMELY HAZARDOUS WASTE HANDLED OR DISPOSED WITHOUT A PERMIT
___ 252 DEVIATION FROM DTSC-APPROVED HANDLING OR DISPOSAL METHODS MADE FOR EXTREMELYHAZARDOUS WASTE

Training
___ 301 PERSONNEL NOT TRAINED ON THE JOB OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT
___ 302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT
___ 303 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE
___ 304 COMPLETE PERSONNEL TRAINING RECORDS ARE NOT BEING MAINTAINED ON SITE

Contingency Plan
___ 351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE
___ 352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION
___ 353 EMERGENCY COORDINATOR IS NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION & EMERGENCY PROCEDURES

Emergency
___ 354 RELEASED WASTE OR CONTAMINATED EQUIPMENT IS NOT PROPERLY TREATED, STORED OR DISPOSED
___ 404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT

Labeling
✓ 452 CONTAINERS NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION
✓ 453 EACH CONTAINER AND TANK NOT CLEARLY LABELED "HAZARDOUS WASTE" WITH REQUIRED DETAILS

Storage
___ 451 HAZARDOUS WASTE STORED BEYOND MAXIMUM ACCUMULATION TIME
___ 454 WASTE IS NOT PACKAGED, LABELED, AND PLACARDED ACCORDING TO 49 CFR (DOT)
___ 455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED
___ 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS
___ 502 CONTAINERS ARE NOT COMPATIBLE WITH THE WASTE IN THEM
___ 503 CONTAINERS ARE NOT STORED CLOSED
___ 504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS OR DEFECTS
___ 505 IGNITABLE OR REACTIVE WASTES ARE NOT STORED 50 FT. FROM FACILITY PROPERTY LINE
___ 506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT OR MIXING
___ 507 INCOMPATIBLES ARE NOT STORED OR PROTECTED IN SEPARATE CONTAINERS
___ 700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE

Closure
___ 800 FACILITY HAS NOT BEEN CLOSED IN A MANNER WHICH WILL PROTECT HUMAN HEALTH AND THE ENVIRONMENT

INSPECTION DATE: ___/___/___

Orang[illegible] [illegible]unty Health Care Agency
H[illegible]DOUS WASTE INSPECTION R[illegible]T

DBA: Lens Crafter

ADDRESS:

: Laguna Hills Mall

FILE NO: _____ ACCOUNT NO: _____ EPA #: _____

Tiered Permitting

___ 601 FACILITY HAS NOT FILED NOTIFICATION UNDER TIERED PERMITTING

Source Reduction

___ 901 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION EVALUATION REVIEW AND PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE

___ 902 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION COMPLIANCE CHECKLIST OR HAS NOT MAINTAINED THE CHECKLIST AT THE SITE

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and shall be corrected as indicated

This business is new to our Agency's hazardous waste inspection program. Our program was explained. A routine hazardous waste inspection was conducted.

Hazardous waste solids (slag from alloy blocker machine, cleaning wipes contaminated with alloy, water filters and resins contaminated with alloy, and alloy-contaminated (S+S tape) masking tape) are stored in closed, labelled drum that is in good condition. A drum inspection log is onsite.

Waste ~~dy~~ tints and UV coatings are disposed of to the sewer — a non-industrial waste water discharge permit from El Toro Water District was onsite (dated 2-11-97)

Waste alcohol-containing solution from the "Clean'N Coat" machine is collected and treated (evaporation) onsite.

I DECLARE THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS 5 PAGE INSPECTION REPORT.

PRINT NAME & TITLE: Mark Pacheco Lab manage

SIGNATURE: _____ DATE: 3/11/97

Also onsite for review were personnel training records, contingency plan, ~~and~~ one hazardous waste manifest, and an "Onsite Hazardous Waste Treatment Notification Form" for Conditionally Exempt-Specified Waste Stream.

Violations: #001) Submit documentation ~~showing~~ supporting your determination that the solid (sludge) that settles from the liquid tint and UV coating is non-hazardous. Maintain this documentation onsite for review.

#452, 453) Label the container of waste IPA and waste toxic solids with all required hazardous waste information

Laguna Hills Mall

1) The words, "Hazardous Waste;"

2) The composition and physical state of the waste;

3) The hazardous property of the waste;

4) The accumulation start date.

A CRC was issued. Correct the violations, then return the CRC.

24155 Laguna Hills Mall
Laguna Hills, CA 92653-3612

1) The words, "Hazardous Waste;"

2) The composition and physical state of the waste;

3) The hazardous property of the waste;

4) The accumulation start date.

A CRC was issued. Correct the violations, then return the CRC.

1) Enter info ⇒ computer in lab

2) pull lenses (made of plastics, polycarbonates – no glass).

3) "Lay out Lenses" to match offshape direction of cornea

4) Surface ~~sab~~ saver tape (masking) of front surface so no scratching)

5) lens on block in chiller ring – injects alloy from blocker machine into block
Alloy is Bismuth 45%, Lead 23%, Tin 8%
Cadmium 5%, Indium 19%
melting point 117°F
No finely divided powder – only big slag pieces.

6) Generator: put on chuck (like drill chuck).
Then blade cuts + shaves lens.

7) Finer machine: emery fining (ie grinding)
w/ water washing.

☆ 8) Polisher machine: uses polisher compound

☆ 9) Lens is deblocked by physically slamming. Alloy is on block.

(10) Mashing is containerized

11) Polycarbonate lenses are coated
Plastic " " not coated

"Clean 'n' Coat" machine adds thin coating to back side of lens, by injection.
Go to "Quick Cure" machine - UV lite cures coating.

☆ Waste coating is collected in container
99% IPA + 1% HT300
→ Possibly hazardous
→ needs label if HW.

12) Reclaim tank - reclaims alloy out of block
Hot water (130°F) melts alloy, flows out bottom.

13) Verify lens prescription on microscope

14) Machine traces shape of frame.

15) layout lens + cut to shape of frame

☆ 16) Add tints + UV 400. → changes baths periodically.

17) polisher: buffing wheel.

Inspection log of drum onsite

Drum

Alloy - ~~water~~ ~~slag~~ waste when color changes from bright to dull.

Waste alloy is generated from:

1) Slag in blocker machine removed
2) Cleaning of reclaim tank - wiping out slag
3) Stored water from tank in bucket is run thru paper, then resin, filter.

4) Surface saver tape

Anything the alloy contacts

Drum HW

Tints, UUs → plastic bucket #1
Sits for 48 hrs, solid settle.
Vacuum water out → sewer
(El Toro WATER DISTRICT Discharge Permit)

Solids → Trash.
↑
Vermiculite

(County Health Care Ag
Environmental H ch Division, Hazardous M rials Management Section
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3700

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

FILE NO: 003690 ACCOUNT NO: 2582 EPA# : CAD981579329
UST PERMIT NO:
FACILITY: LAGUNA HILLS CLEANERS PERMIT: NONE
STREET: 23521 CALLE DE LA LOUISA BLDG# SUITE# MAP COORDINATES: 891-F7
CITY: [43] LAGUNA HILLS ZIP: 92653 DISTRICT: 403

NEAREST CROSS STREET: EL TORO/PDEVALENCIA TSD FACILITY? N
NEW DBA? ___ NEW BUSINESS? ___ NEW ADDRESS? ___ NEW OWNER? ___ PUBLIC AGENCY?
NEW INFO: _____

HW INSPECTION TYPE: 1 NO OF UST ON SITE: _____ UST INSPECTION TYPE: _
NUMBER OF EMPLOYEES: 4 M # TANKS TO BILL :_____ UST COMPLIANCE CODE: _
LAST DATE HW INSPECTED: 07/01/93 LAST DATE UST INSPECTED: _____
HW EXEMPT CODE: ~~1~~ 0 UST EXEMPT CODE: _____
HW STATUS CODE: ~~1~~ 5 gb UST STATUS CODE: _____
BUSINESS OWNER: TERRY KIM PHONE: (____) ____-__
TANK OPERATOR: _____ PHONE: (____) ____-__
CONTACT: TERRY KIM/HENRY PARK PHONE: (714) 837-084

HW BILLING (NAME & MAILING ADDRESS):
PHONE: (____) ____-_____

UST BILLING (NAME & MAILING ADDRESS)
PHONE: (____) ____-_____

PROPERTY OWNER (NAME & MAILING ADDRESS):
LAGUNA HILLS MALL
24155 LAGUNA HILLS MALL
LAGUNA HILLS CA 92653
PHONE: (____) ____-_____

TANK OWNER (NAME & MAILING ADDRESS):
PHONE: (703) 846-5736

EMERGENCY CONTACTS
DAY: TERRY KIM PHONE: (714) 492-0423
NIGHT: _____ PHONE: (____) ____-_____

JUN 21 1994
ACTIVATION: _____
INSPECTOR #: 181 NAME: ELIZA HOLT DATE: 6/13/

O e County Health Care Ag
H DOUS WASTE INSPECTION RE RT

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA BLDG# SUITE#
: LAGUNA HILLS, CA 926

FILE NO: 003690 ACCOUNT NO: 2582 EPA# : CAD981579329

PROCESS: DRY CLEANING-SLUDGE FROM DRY CLEANING MACHINE.
FILTERS ARE NEVER DISPOSED

SIC CODE 1: [7216] DRY CLEANING PLANTS, EXCEPT RUG
SIC CODE 2: [7200] PERSONAL SERVICES

2 WASTE ID: [575.W] PERCHLOROETHYLENE, TETRACHLOROETHYLENE
SPECIFIC WASTE:
LOCATION: INSIDE THE SHOP
MAX VOL STORED: 30 UNIT: [1] GALLONS FORM: [4] SLUDGE / SLURRY
HOW STORED: [2] DRUM (55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 100 ANNUAL VOL. DISPOS.: 100
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [1406] SAFETY-KLEEN *S

3 WASTE ID: [575.W] PERCHLOROETHYLENE, TETRACHLOROETHYLENE
SPECIFIC WASTE:
LOCATION: INSIDE THE SHOP
MAX VOL STORED: 1 UNIT: [10] ITEMS FORM: [6] FILTERS
HOW STORED: [33] STORED IN MACHINE ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: ANNUAL VOL. DISPOS.: 1
HOW DISPOS.: [55] GENERATOR STATES NEVER DISPOSES OF WASTE
HAULER: [9993] SEE "HOW DISPOSED"

WASTE ID: [ ]
SPECIFIC WASTE:
LOCATION:
MAX VOL STORED: UNIT: [ ] FORM: [ ]
HOW STORED: [ ] ONE-TIME-ONLY?
ANNUAL VOL. GEN.: ANNUAL VOL.DISPOS.:
HOW DISPOS.: [ ]
HAULER: [ ]

INSPECTION DATE: 6/13/94

Or e County Health Care Ag
H DOUS WASTE INSPECTION R T

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA BLDG# SUITE#
: LAGUNA HILLS, CA 926

FILE NO: 003690 ACCOUNT NO: 2582 EPA# : CAD981579329

VIOLATION DESCRIPTIONS

Waste Determination
___ 001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE
EPA Identification Number
___ 051 GENERATOR HAS NO EPA IDENTIFICATION NUMBER
Manifests
___ 052 MANIFESTS NOT ACCURATELY COMPLETED
___ 053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE
___ 054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW DURING INSPECTION
___ 055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DOHS
___ 101 MANIFESTS,BIENNIAL REPORT,EXCEPTION REPORTS,TEST RESULTS NOT RETAINED ON SITE FOR AT LEAST 3 YEARS
Non-Registered Hauler
___ 201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY A NON-REGISTERED HAULER
___ 202 HAZARDOUS WASTE NOT TAKEN TO A STATE-PERMITTED FACILITY
Extremely Hazardous Waste
___ 251 EXTREMELY HAZARDOUS WASTE HANDLED OR DISPOSED WITHOUT A PERMIT
___ 252 DEVIATION FROM DOHS-APPROVED HANDLING OR DISPOSAL METHODS MADE FOR EXTREMELY HAZARDOUS WASTE
Training
___ 301 PERSONNEL NOT TRAINED ON THE JOB OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT
___ 302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT
___ 303 TRAINING DOES NOT INCLUDE EMERGENCY REPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE
___ 304 COMPLETE PERSONNEL TRAINING RECORDS ARE NOT BEING MAINTAINED ON SITE
Contingency Plan
___ 351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE
___ 352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION
___ 353 EMERGENCY COORDINATOR IS NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION & EMERGENCY PROCEDURES
Emergency
___ 354 RELEASED WASTE OR CONTAMINATED EQUIPMENT IS NOT PROPERLY TREATED, STORED OR DISPOSED
___ 404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT
Labeling
___ 452 CONTAINERS NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION
___ 453 EACH CONTAINER AND TANK NOT CLEARLY LABELED "HAZARDOUS WASTE" WITH REQUIRED DETAILS
Source Reduction
___ 901 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION EVALUATION REVIEW AND PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE
___ 902 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION COMPLIANCE CHECKLIST OR HAS NOT MAINTAINED THE CHECKLIST AT THE SITE

INSPECTION DATE: 6/13/94

C e County Health Care Ag
HAZARDOUS WASTE INSPECTION REPORT

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA BLDG# SUITE#
: LAGUNA HILLS, CA 926

FILE NO: 003690 ACCOUNT NO: 2582 EPA# : CAD981579329

Storage

___ 451 HAZARDOUS WASTE STORED MORE THAN 90 DAYS
___ 454 WASTE IS NOT PACKAGED, LABELED, AND PLACARDED ACCORDING TO 49 (DOT)
___ 455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED
___ 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS
___ 502 CONTAINERS ARE NOT COMPATIBLE WITH THE WASTE IN THEM
___ 503 CONTAINERS ARE NOT STORED CLOSED
___ 504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS OR DEFECTS
___ 505 IGNITABLE OR REACTIVE WASTES ARE NOT STORED 50 FT. FROM FACILITY PROPERTY LINE
___ 506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT OR MIXING
___ 507 INCOMPATIBLES ARE NOT STORED OR PROTECTED IN SEPARATE CONTAINERS
___ 700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE

Closure

___ 800 FACILITY HAS NOT BEEN CLOSED IN A MANNER WHICH WILL PROTECT HUMAN HEALTH AND THE ENVIRONMENT

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and California Code of Regulations, Title 22, and shall be corrected as indicated

Laundry is no longer cleaned onsite but shipped off site to Galaxy Dry Cleaners in Mission Viejo.

I DECLARE THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS 4 PAGE INSPECTION REPORT.

PRINT NAME & TITLE: _____

SIGNATURE: _____ DATE: 6/13/94

Environmental Health Division, Hazardous Materials Management Section
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3700

Q070993

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

FILE NO: 003690 ACCOUNT NO: 2582-9 EPA #:
UST PERMIT NO:
FACILITY: Laguna Hills Cleaners PERMIT:
STREET: 23351 Calle de Louisa MAP COORDINATES:
CITY: [43] Laguna Hills ZIP: 92653 DISTRICT: 403

NEAREST CROSS STREET: TSD FACILITY? N

NEW DBA? ___ NEW BUSINESS? ___ NEW ADDRESS? ___ NEW OWNER? ___ PUBLIC AGENCY?

NEW INFO:

HW INSPECTION TYPE: 93 NO OF UST ON SITE: ___ UST INSPECTION TYPE: ___
NUMBER OF EMPLOYEES: ___ # TANKS TO BILL : ___ UST COMPLIANCE CODE: ___
LAST DATE HW INSPECTED: ___ LAST DATE UST INSPECTED: ___
HW EXEMPT CODE: 1 UST EXEMPT CODE: ___
HW STATUS CODE: 1 UST STATUS CODE: ___
BUSINESS OWNER: ___ PHONE: (___) ___
TANK OPERATOR: ___ PHONE: (___) ___
CONTACT: ___ PHONE: (___) ___

HW BILLING (NAME & MAILING ADDRESS):

PHONE: (___) ___

UST BILLING (NAME & MAILING ADDRESS

PHONE: (___) ___

PROPERTY OWNER (NAME & MAILING ADDRESS):

PHONE: (___) ___

TANK OWNER (NAME & MAILING ADDRESS

PHONE: (___) ___

ENTERED JUL 09 1993

EMERGENCY CONTACTS

DAY: ___ PHONE: (___) ___
NIGHT: ___ PHONE: (___) ___

ACTIVE ICR:
INSPECTOR #: 181 NAME: ELIZA HOLT DATE: 7/1/93

COMPUTER NUMBER: _____

HEALTH INSPECTION REPORT (continued)

Orange County Health Care Agency / Public Health
Environmental Health

Mailing Address: P.O. Box 355
Santa Ana, CA 927

DBA Hogthills Cleaners ADDRESS _____ CITY _____

ITEM NO.	
	The violation listed in the 6/16/93 report has been abated per the attached letter.

SANITARIAN E[illegible] RECEIVED BY [illegible] DATE 7/1/93

F0272-9.373.4

OFFICE COPY

JUNE 29, 1993

LAGUNA HILLS CLEANERS
23521 CALLE DE LA LOUISA
LAGUNA HILLS, CA. 92653

MR. ELIZA HOLT
ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER
SANTA ANA, CA. 92705

RE: FILE NO. 003690, ACCOUNT NO. 2582

DEAR

PER YOUR INSPECTION CONDUCTED ON JUNE 6, 1993, WE HEREWITH ENCLOSE A COPY OF THE SAFETY KLEEN RECEIPT DATED APRIL 23, 1993.
PLEASE NOTE WE COULD NOT OPERATE DRY CLEANING MACHINE APRIL 28 THROUGH MAY 29, 1993 DUE TO MACHINE TROUBLE.

SINCERELY

OWNER

ENCLOSURE: A COPY OF SAFETY KLEEN RECEIPT

DRY CLEANER SERVICE

safety-kleen® 777 Big Timber Road • Elgin, Illinois 6012

WE CARE

FOR SERVICE CALL
TRANSPORTE

DUNS NO. 05100-0400 FED ID NO. 39-6090

SCHEDULED SERVICE WEEK	SCHEDULED SERVICE TERRITORY	REFERENCE NUMBER
93-13	01	621327

MANIFEST NUMBER 92549334

4-557-0840 TIM TETER
LDR REQ'D

REQ=1D

GENERATOR
7-088-57-2051-5
LAGUNA HILLS CLNRS
TERRI KIM
23521 CALLE DE LOUISA
LAGUNA HILLS CA 92653

BILL TO

SERVICE DATE	SALESMAN'S NO.	SALES SPECIALIST	SALES TAX EXEMPTION NUMBER	HANDLING CODE	CREDIT CODE	ASSOCIATION	PREVIOUS BALANCE	PORTION OVER 60 DAYS
4/23/93	3589				C		67.00	

BUSINESS TYPE	CHAIN	CUSTOMER P.O. NUMBER	GENERATOR/CUSTOMER PHONE #		CART. P/S	BOT P/S	PROD. P/S	SVC TAX	PRODUCT TAX	SERVICE INTERVAL	CHANGE SERVICE
01			714-837-0840	0028	001	001	001	7.75 %	7.75 %	04	

HAZARDOUS WASTE INFORMATION: "This is to certify that the below-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation."

USEPA TRANSPORTER ID# ILD 051060408

CONTAINERS NO. CF.	NO. DM.	NO. DF.	TOTAL LBS. OR GAL.	US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID.)	PRODUCT NO'S
	1		135	RQ Waste Tetrachloroethylene 6.1 UN 1897 PGIII (EPA,F002) (ERG #74)	1202,1210
				RQ Waste Combustible Liquid, N.O.S. (Mineral Spirits) NA 1993 PGIII (EPA,D001,D039) (ERG#27)	PRODUCT NO. 1204,1211
				Hazardous Waste, Liquid, N.O.S. (Trichlorotrifluoroethane) 9 NA 3082 PGIII (EPA,F002) (ERG#31)	PRODUCT NO. 1209
				Waste 1, 1, 1-Trichloroethane 6.1 UN 2831 PGIII (EPA,F002)(ERG#74)	PRODUCT NO. 83358

I certify that my total waste streams are within one of the following categories:

0 to 220 LBS./MONTH — Initials

220 LBS. to 2,200 LBS./MONTH — Initials

GREATER THAN 2,200 LBS./MONTH — Initials

1 Std Cart 20 | 1 Split Cart 35 | 1 Jumbo Cart 60 | Perc. Freon, 1-1-1 Res 195 | Petro Res. 101 | Freon Res. Pail 65 | Perc Fltr Pwd 135

DESIGNATED FACILITY NAME AND ADDRESS: SAFETY-KLEEN CORP.
10625 HICKSON ST UNIT A/C EL MONTE CA 9173

USA EPA ID NO. CAT000613893
STATE ID NO. CAT000613893

SPENT SOLVENT MEETS ACCEPTANCE CRITERIA YES ☐ NO ☐

SERVICE SALES SECTION

YTD SERVICE	PREVIOUS SERVICE	SERVICE NUMBER	DESCRIPTION	SERVICE CHARGE	UNIT OF MEASURE	QUANTITY RETURNED	LINE TOTAL
2	1	12013	FEE,D/C SERVICE	67.00	EA	1	67.00
			1ST WASTE CONTAINER	N/C	EA	1	.00
3	1	12016	DRUM CHG,16-K	6.00	EA	1	NC
3	1	12000	D/C PERC.WASTE PWDR	65.00	EA		

GENERATOR USA EPA ID NO. CAD981641152

GENERATOR STATE ID NO.

09-190-4284

CARTRIDGE CAPACITY

SERVICE CHARGES	
TAX	
TOTAL SERVICE CHARGE	67.00

PRODUCT SALES SECTION

YTD SALES	PREVIOUS SALES	PART NUMBER	DESCRIPTION	MSDS GIVEN	PRICE	UNIT OF MEASURE	QUANTITY	INV. CODE	LINE TOTAL
				☐					
				☐					
				☐					
				☐					
				☐					
				☐					
				☐					
				☐					
				☐					
				☐					

	NAME	TITLE	SIGN	NAME (CHANGE)	TITLE	SIGN
1	T KIM	01	Y	1		
2		00	N	2		

DRUMS ON HAND: 4

PRODUCT TAX	
TOTAL PRODUCT CHARGE	
TOTAL SERVICE CHARGE (FROM ABOVE)	
TOTAL DUE	67.00

PAYMENT RECEIVED SECTION

CASH ☐ | TOTAL RECEIVED | APPLY PAYMENT TO
☐ TODAYS SERVICE/SALE
☐ PREVIOUS BALANCE AS FOLLOWS

CHECK NUMBER

INV. # _____ AMOUNT $ _____
INV. # _____ AMOUNT $ _____
INV. # _____ AMOUNT $ _____

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT RECEIVED SECTION.

INVOICES ARE SUBJECT TO AN INTEREST CHARGE OF THE LESSER OF 1½% PER MONTH (18% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON ANY UNPAID INVOICES THAT ARE NOT PAID WITHIN 30 DAYS.

IN THE EVENT OF DEFAULT, SAFETY-KLEEN SHALL BE ENTITLED TO RECOVER COSTS OF COLLECTION, INCLUDING REASONABLE ATTORNEY'S FEES.

X [signature]

GENERATOR/DESIGNATED REPRESENTATIVE SIGNATURE

PRINT NAME [illegible]

X [signature]

IN EVENT OF EMERGENCY CALL

(ge County Health Care Ag
Environmental Health Division, Hazardous Materials Management Section
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3700

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

FILE NO: 003690 ACCOUNT NO: 2582 EPA# : CAD981579329
UST PERMIT NO:
FACILITY: LAGUNA HILLS CLEANERS PERMIT: NONE
STREET: 23521 CALLE DE LA LOUISA MAP COORDINATES: 891-F7
CITY: [43] LAGUNA HILLS ZIP: 92653 DISTRICT: 403

NEAREST CROSS STREET: El Toro/P. de Valencia TSD FACILITY? N
NEW DBA? ___ NEW BUSINESS? ___ NEW ADDRESS? ___ NEW OWNER? ___ PUBLIC AGENCY?
NEW INFO: _____

HW INSPECTION TYPE: 1 NO OF UST ON SITE: ____ UST INSPECTION TYPE: ___
NUMBER OF EMPLOYEES: 4 M # TANKS TO BILL : ____ UST COMPLIANCE CODE: ___
LAST DATE HW INSPECTED: 06/02/92 LAST DATE UST INSPECTED: _____
HW EXEMPT CODE: 1 UST EXEMPT CODE: _____
HW STATUS CODE: 1 UST STATUS CODE: _____
BUSINESS OWNER: TERRY KIM PHONE: (____) ____-___
TANK OPERATOR: _____ PHONE: (____) ____-___
CONTACT: TERRY KIM / Henry Park PHONE: (714) 837-0840

HW BILLING (NAME & MAILING ADDRESS):
PHONE: (____) ____-_____

UST BILLING (NAME & MAILING ADDRESS):
PHONE: (____) ____-_____

PROPERTY OWNER (NAME & MAILING ADDRESS):
LAGUNA HILLS MALL
24155 LAGUNA HILLS MALL
LAGUNA HILLS CA 92653
PHONE: (____) ____-_____

TANK OWNER (NAME & MAILING ADDRESS):
PHONE: (714) 757-5400

EMERGENCY CONTACTS
DAY: TERRY KIM PHONE: (714) 492-0423
NIGHT: _____ PHONE: (____) ____-_____

ENTERED
JUN 17 1993

ACTIVE ICR: _____
INSPECTOR #: 181 NAME: ELIZA HOLT DATE: 6/16/93

Orange County Health Care Agency
H 'DOUS WASTE INSPECTION R T

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA
: LAGUNA HILLS, CA 926

FILE NO: 003690 ACCOUNT NO: 2582 EPA# : CAD981579329

PROCESS: DRY CLEANING-SLUDGE FROM DRY CLEANING MACHINE.
FILTERS ARE NEVER DISPOSED

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HOW STORED: [2] DRUM (55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: ~~360~~ 100 ANNUAL VOL. DISPOS.: ~~360~~ 100
HOW DISPOS.: [79 ~~78~~] RECYCLED OFF-SITE - ~~SAFETY KLEEN~~
HAULER: [1406] SAFETY-KLEEN *S

3 WASTE ID: [575.W] PERCHLOROETHYLENE, TETRACHLOROETHYLENE
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HAULER: [9993] SEE "HOW DISPOSED"

WASTE ID: [ ]
SPECIFIC WASTE:
LOCATION:
MAX VOL STORED: UNIT: [ ] FORM: [ ]
HOW STORED: [ ] ONE-TIME-ONLY?
ANNUAL VOL. GEN.: ANNUAL VOL.DISPOS.:
HOW DISPOS.: [ ]
HAULER: [ ]

INSPECTION DATE: 6/16/93

ge County Health Care A y
HAZARDOUS WASTE INSPECTION REPORT

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA
: LAGUNA HILLS, CA 926

FILE NO: 003690 ACCOUNT NO: 2582 EPA# : CAD981579329

VIOLATION DESCRIPTIONS

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✓ 054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW DURING INSPECTION
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Emergency
___ 354 RELEASED WASTE OR CONTAMINATED EQUIPMENT IS NOT PROPERLY TREATED, STORED OR DISPOSED
___ 355 REPORT NOT SUBMITTED TO STATE WITHIN 15 DAYS OF EMERGENCY INCIDENT
___ 356 STATE & LOCAL AUTHORITIES WERE NOT NOTIFIED BEFORE RESUMING OPERATION AFTER AN EMERGENCY
___ 401 APPROPRIATE FIREFIGHTING,SPILL CONTROL, AND DECONTAMINATION EQUIPMENT NOT AVAILABLE
___ 402 ADEQUATE TESTING/MAINTENANCE FOR EMERGENCY NOT CONDUCTED
___ 403 APPROPRIATE COMMUNICATIONS/ALARM SYSTEMS NOT AVAILABLE
___ 404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT
___ 405 ARRANGEMENTS WITH APPROPRIATE LOCAL AUTHORITIES FOR EMERGENCY RESPONSE HAVE NOT BEEN MADE
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(ge County Health Care As y
HAZARDOUS WASTE INSPECTION REPORT

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA
: LAGUNA HILLS, CA 926

FILE NO: 003690 ACCOUNT NO: 2582 EPA# : CAD981579329

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___ 506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT OR MIXING
___ 507 INCOMPATIBLES ARE NOT STORED OR PROTECTED IN SEPARATE CONTAINERS
___ 700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE

Closure

___ 800 FACILITY HAS NOT BEEN CLOSED IN A MANNER WHICH WILL PROTECT HUMAN HEALTH AND THE ENVIRONMENT

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and California Code of Regulations, Title 22, and shall be corrected as indicated

A routine inspection was conducted this date. The following was noted: 54) Maintain copies of Safety Kleen receipts ~~as~~ available for review. The most recent Safety Kleen receipt observed this date was from 2/93 ~~Copies~~. ~~Submit to this Agency copies of all of 1993's Safety Kleen receipts by 6/30/93. No other violations noted this date.~~ Labelling was in order this date. — Observed Jan & Feb '93 receipts this date. Submit March - June '93's receipts by 6/30/93.

I DECLARE THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS 4 PAGE INSPECTION REPORT.

PRINT NAME & TITLE: HENRY PARK

SIGNATURE: [signature] DATE: 6/16/93

County Health Care
Environmental th Division, Hazardous erials Management Section
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3700

6/15/92

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

CAD981579329

FILE NO: 003690 ACCOUNT NO: 2582 UST PERMIT NO:

FACILITY: LAGUNA HILLS CLEANERS PERMIT: NONE

STREET: 23521 CALLE DE LA LOUISA MAP COORDINATES: 29A-D5

CITY: [43] LAGUNA HILLS ZIP: 92653 DISTRICT: 403

NEAREST CROSS STREET: TSD FACILITY? N

NEW DBA? ___ NEW BUSINESS? ___ NEW ADDRESS? ___ NEW OWNER? ___ PUBLIC AGENCY?

NEW INFO: _____

HW INSPECTION TYPE: 1 NO OF UST ON SITE: ___ UST INSPECTION TYPE: _

NUMBER OF EMPLOYEES: 4 M # TANKS TO BILL : ___ UST COMPLIANCE CODE: _

LAST DATE HW INSPECTED: 06/25/90 LAST DATE UST INSPECTED: ___

HW EXEMPT CODE: 1 UST EXEMPT CODE: ___

HW STATUS CODE: 1 UST STATUS CODE: ___

BUSINESS OWNER: TERRY KIM PHONE: (714) 837-084

TANK OPERATOR: _____ PHONE: (___) ___-__

CONTACT: TERRY KIM PHONE: (714) 837-084

HW BILLING (NAME & MAILING ADDRESS):

PHONE: (___) ___-___

UST BILLING (NAME & MAILING ADDRESS)

PHONE: (___) ___-___

PROPERTY OWNER (NAME & MAILING ADDRESS):

LAGUNA HILLS MALL
24155 LAGUNA HILLS MALL

LAGUNA HILLS CA 92653

PHONE: (___) ___-___

TANK OWNER (NAME & MAILING ADDRESS):

PHONE: (213) 694-7000

ENTERED
JUN 12 1992

EMERGENCY CONTACTS

DAY: TERRY KIM PHONE: (714) 492-0423

NIGHT: _____ PHONE: (___) ___-___

ACTIVE ICR: _____

INSPECTOR #: 181 NAME: ELIZA HOC DATE: 6.2.92

ge County Health Care A
ARDOUS WASTE INSPECTION REPORT

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA
: LAGUNA HILLS, CA 926

FILE NO: 003690 ACCOUNT NO: 2582 UST PERMIT NO:

PROCESS: DRY CLEANING-SLUDGE FROM DRY CLEANING MACHINE.
FILTERS ARE NEVER DISPOSED

SIC CODE 1: [7216] DRY CLEANING PLANTS, EXCEPT RUG
SIC CODE 2: [7200] PERSONAL SERVICES

2 WASTE ID: [575.W] PERCHLOROETHYLENE, TETRACHLOROETHYLENE
SPECIFIC WASTE:
LOCATION: INSIDE THE SHOP
2 MAX VOL STORED: 30 UNIT: [1] GALLONS FORM: [4] SLUDGE / SLURRY
HOW STORED: [2] DRUM (55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 360 ANNUAL VOL. DISPOS.: 360
HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN
HAULER: [1406] SAFETY-KLEEN *S

3 WASTE ID: [575.W] PERCHLOROETHYLENE, TETRACHLOROETHYLENE
SPECIFIC WASTE:
3 LOCATION: INSIDE THE SHOP
MAX VOL STORED: 1 UNIT: [10] ITEMS FORM: [6] FILTERS
HOW STORED: [33] STORED IN MACHINE ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: ANNUAL VOL. DISPOS.: 1
HOW DISPOS.: [55] GENERATOR STATES NEVER DISPOSES OF WASTE
HAULER: [9993] SEE "HOW DISPOSED"

WASTE ID: [ ]
SPECIFIC WASTE:
LOCATION:
MAX VOL STORED: UNIT: [ ] FORM: [ ]
HOW STORED: [ ] ONE-TIME-ONLY?
ANNUAL VOL. GEN.: ANNUAL VOL.DISPOS.:
HOW DISPOS.: [ ]
HAULER: [ ]

INSPECTION DATE: 6/2/92

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA
: LAGUNA HILLS, CA 926

FILE NO: 003690 ACCOUNT NO: 2582 UST PERMIT NO:

VIOLATION DESCRIPTIONS

Waste Determination
___ 001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE
EPA Identification Number
___ 051 GENERATOR HAS NO EPA IDENTIFICATION NUMBER
Manifests
___ 052 MANIFESTS NOT ACCURATELY COMPLETED
___ 053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE
___ 054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW DURING INSPECTION
___ 055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DOHS
___ 101 MANIFESTS,BIENNIAL REPORT,EXCEPTION REPORTS,TEST RESULTS NOT RETAINED ON SITE FOR AT LEAST 3 YEARS
Non-Registered Hauler
___ 201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY A NON-REGISTERED HAULER
___ 202 HAZARDOUS WASTE NOT TAKEN TO A STATE-PERMITTED FACILITY
Extremely Hazardous Waste
___ 251 EXTREMELY HAZARDOUS WASTE HANDLED OR DISPOSED WITHOUT A PERMIT
___ 252 DEVIATION FROM DOHS-APPROVED HANDLING OR DISPOSAL METHODS MADE FOR EXTREMELY HAZARDOUS WASTE
Training
___ 301 PERSONNEL NOT TRAINED ON THE JOB OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT
___ 302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT
___ 303 TRAINING DOES NOT INCLUDE EMERGENCY REPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE
___ 304 COMPLETE PERSONNEL TRAINING RECORDS ARE NOT BEING MAINTAINED ON SITE
Contingency Plan
___ 351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE
___ 352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION
___ 353 EMERGENCY COORDINATOR IS NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION & EMERGENCY PROCEDURES
Emergency
___ 354 RELEASED WASTE OR CONTAMINATED EQUIPMENT IS NOT PROPERLY TREATED, STORED OR DISPOSED
___ 355 REPORT NOT SUBMITTED TO STATE WITHIN 15 DAYS OF EMERGENCY INCIDENT
___ 356 STATE & LOCAL AUTHORITIES WERE NOT NOTIFIED BEFORE RESUMING OPERATION AFTER AN EMERGENCY
___ 401 APPROPRIATE FIREFIGHTING,SPILL CONTROL, AND DECONTAMINATION EQUIPMENT NOT AVAILABLE
___ 402 ADEQUATE TESTING/MAINTENANCE FOR EMERGENCY NOT CONDUCTED
___ 403 APPROPRIATE COMMUNICATIONS/ALARM SYSTEMS NOT AVAILABLE
___ 404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT
___ 405 ARRANGEMENTS WITH APPROPRIATE LOCAL AUTHORITIES FOR EMERGENCY RESPONSE HAVE NOT BEEN MADE
Labeling
___ 452 CONTAINERS NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION
___ 453 EACH CONTAINER AND TANK NOT CLEARLY LABELED "HAZARDOUS WASTE" WITH REQUIRED DETAILS

INSPECTION DATE: 6/2/92

ge County Health Care A
HAZARDOUS WASTE INSPECTION REPORT

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA
: LAGUNA HILLS, CA 926

FILE NO: 003690 ACCOUNT NO: 2582 UST PERMIT NO:

Storage

___ 451 HAZARDOUS WASTE STORED MORE THAN 90 DAYS
___ 454 WASTE IS NOT PACKAGED, LABELED, AND PLACARDED ACCORDING TO 49 (DOT)
___ 455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED
___ 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS
___ 502 CONTAINERS ARE NOT COMPATIBLE WITH THE WASTE IN THEM
___ 503 CONTAINERS ARE NOT STORED CLOSED
___ 504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS OR DEFECTS
___ 505 IGNITABLE OR REACTIVE WASTES ARE NOT STORED 50 FT. FROM FACILITY PROPERTY LINE
___ 506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT OR MIXING
___ 507 INCOMPATIBLES ARE NOT STORED OR PROTECTED IN SEPARATE CONTAINERS
___ 700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE

Closure

___ 800 FACILITY HAS NOT BEEN CLOSED IN A MANNER WHICH WILL PROTECT HUMAN HEALTH AND THE ENVIRONMENT

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and California Code of Regulations Title 22, and shall be corrected as indicated

A routine inspection was conducted this date. No violations noted. Manifests & labelling were in order.
~~[illegible]~~

I DECLARE THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS 4 PAGE INSPECTION REPORT.

PRINT NAME & TITLE: SONIA PARK.

SIGNATURE: Sonia Park employee. DATE: 6/2/92

HAZARDOUS WASTE INSPECTION

Orange County Health Care Agenc
Environmental Health Division
Mailing Address: P.O.Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger Ave., Santa Ana, CA 92715
Telephone: (714) 667 3700

003690

DBA: LAGUNA HILLS CLEANERS

ADDRESS: 23521 CALLE DE LA LOUISA,
LAGUNA HILLS 92653

PERMIT NUMBER: 2582-6

NEW _____ CHG. _____ DEL. BUS. _____ THIS INSPECTION DATE 6 / 25 / 90

CITY CODE: 43 EX CD: _____ STATUS: _____ INSPECT TYPE: 1 PROGRAM: HW

BILLING: _____

ADDRESS: SAME

NO. EMPL: 4

UST (YES OR NO)

CO. OWNER: _____ TITLE: _____ PHONE: _____

CONTACT: KIM, TERRY TITLE: OWNER PHONE (714) 837-0840

EMERGENCY CONTACT 1: TERRY KIM PHONE: (714) 492-0423

EMERGENCY CONTACT 2: _____ PHONE: _____

PROPERTY OWNER: LAGUNA HILLS MALL
24155 LAGUNA HILLS MALL
LAGUNA HILLS 92653

PROCESS: DRY CLEANING. SLUDGE FROM DRYCLEANING MACHINE. FILTERS ARE NEVER DISPOSED.

SIC 1: (7216 DRY CLEANING PLANTS, EXCEPT RUGS.
2: (7200 PERSONAL SERVICES
3: ( )
4: ( )

INSPECTOR # 193 SIGNATURE: [signature]

RECEIVED BY: [signature] DATE RECEIVED 6 / 25 / 90

ENTERED JUL 3 1990
TIME 3:30 pm

PART 1

ZARDOUS WASTE INSPECTI

Orange County Health Care Agenc
Environmental Health Division
Mailing Address: P.O.Bos 355, Santa Ana, CA 92702
Office: 2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

DBA: Laguna Hills Cleaners

ADDRESS:

PERMIT NUNBER:

WASTE ID: (575) WASTE NAME: Perc. TS ( )

MAX VOL STORED: 1 UNIT: (10) items FORM: (6) Filters

HOW STORED: (33) in the machine ANNUAL VOL DISPOS: 1

HOW DISPO: (55) Never disposed of.

LOCATION: inside the shop

HAULER: 9993 see how disp.

WASTE ID: (575) WASTE NAME: Perc TS ( )

MAX VOL STORED: 30 UNIT: (1) Gallons FORM: (4) sludge

HOW STORED: (2) < 55 GAL DRUM ANNUAL VOL DISPOS: 360

HOW DISPO: (78) Recycled off site

LOCATION: inside the shop.

HAULER: (4106) [illegible] Safety Kleen

WASTE ID: ( ) WASTE NAME: TS ( )

MAX VOL STORED: UNIT: ( ) FORM: ( )

HOW STORED: ( ) ANNUAL VOL DISPOS:

HOW DISPO: ( )

LOCATION:

HAULER: ( )

WASTE ID: ( ) WASTE NAME: TS ( )

MAX VOL STORED: UNIT: ( ) FORM: ( )

HOW STORED: ( ) ANNUAL VOL DISPOS:

HOW DISPO: ( )

LOCATION:

HAULER: ( )

INSPECTOR # 193 SIGNATURE:

RECEIVED BY: DATE RECEIVED 6/25/90

PART II

HAZARDOUS WASTE INSPECTION

Orange County Health Care Agency
Environmental Health Division
Mailing Address: P.O.Bos 355, Santa Ana, CA 92702
Office: 2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

DBA: Laguna Hills Cleaners

ADDRESS: _____

_____

PERMIT NUMBER: _____

VIOLATION DESCRIPTION

___ 001 Hazardous waste determination not made for all waste
___ 051 Generator has no EPA I.D. number
___ 052 Manifests not accurately completed
___ 053 Manifests not used for transporting hazardous waste
___ 054 Copies of manifest not available for review
___ 055 Properly completed copies of manifest or exception report not submitted to DOHS
___ 101 Manifest, Biennial Report, Exception Reports, and test results not retained at least 3 years
___ 102 Biennial Report to State not submitted
___ 151 Written notification not made to EPA Administrator for waste exportation
___ 152 Signature of foreign consignee not obtained re: delivery
___ 153 Manifest requirements not met for hazardous waste exportation/importation
___ 201 Hazardous waste transported off site by non-registered hauler
___ 202 Hazardous waste not taken to a State permitted facility
___ 251 Extremely hazardous waste handled/disposed of without permit
___ 252 Deviation from DOHS approved handling/disposal methods made for extremely hazardous waste
___ 301 Personnel not trained OTJ or in classroom within 6 months of employment
___ 302 Training not conducted by person trained in hazardous waste management
___ 303 Training does not include emergency response procedures and emergency equipment use
___ 304 No personnes training records maintained including titles, job description, dates, type of training
___ 351 Generator has not prepared contingency plan or maintained at site
___ 352 Contingency plan does not include all required information
___ 353 Emergency coordinator not familiar with all aspects of site operation/emergency procedures
___ 354 Released waste/contaminated equipment not properly treated, stored, disposed of
___ 355 Report not submitted to state within 15 days of emergency incident
___ 356 State and local agencies not notified before resuming operation after an emergency
___ 401 Appropriate firefighting, spill control, and decontamination equipment not available
___ 402 Adequate testing/maintenance for emergency equipment not conducted
___ 403 Appropriate communications/alarm systems not available
___ 404 Adequate aisle space not available for unobstructed movement
___ 405 Arrangements with appropriate local authorities for emergency response have not been made
___ 451 Hazardous waste stored more than 90 days
___ 452 Containers not visibly marked with the beginning date of accumulation
___ 453 Each container and tank not clearly labeled hazardous waste with required details
___ 454 Waste is not packaged, labeled, and placarded according to 49 CFR (DOT)
___ 455 Each container of 110 gallons or less is not properly labeled
___ 501 Containers are not in good condition or are not managed to prevent leaks
___ 502 Containers are not compatible with waste in them
___ 503 Containers are not stored closed
___ 504 Containers are not inspected weekly for leaks/defects
___ 505 Ignitable/reactive wastes are not stored 50 ft. from facility property line

INSPECTOR # 193 SIGNATURE: [signature]

RECEIVED BY: [signature] DATE RECEIVED 6/25/90

F272-9.1515.1(R8/89)

ZARDOUS WASTE INSPEC

Orange County Health Care Agency
Environmental Health Division
Mailing Address: P.O.Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

DBA: Laguna Hills Cleaners

ADDRESS:

PERMIT NUMBER:

VIOLATION DESCRIPTION

___ 506 Incompatibles are not managed to provent contact/mixing
___ 507 Incompatibles are not stored/protected in separate containers
___ 551 Stored waste in tanks causes corrosion, leakage or premature failure
___ 552 Uncovered tanks do not have 2 ft. freeboard, dikes or other containment structures
___ 553 Continuous feed systems in tanks have no waste-feed cutoff
___ 554 Discharge control equipment, monitoring equipment, and waste level not checked daily for tanks
___ 555 Construction materials of tank/containment area are not checked weekly
___ 556 At site closure, hazardous waste, residue and contaminated equipment not properly disposed
___ 557 Ignitable/reactive waste in tanks not protected from material that would cause it to ignite/react
___ 558 Incompatibles are not stored/protected in separate tanks
___ 559 NFPA buffer zone for tanks not observed

The above noted items represent violations of the Californis Health and Safety Code, Chapter 6.5, and shall be corrected as indicated:

Manifests for the Hazardous waste disposal were available for review on this date.

No violations were noted on this date.

ELAPSED TIME IN MINUTES:

INSPECTOR # 193 SIGNATURE: C. [illegible]

RECEIVED BY: [illegible] DATE RECEIVE 6/25/90

5272 9 1515.1(R8/89)

1729 WEST 'H STREET, P.O. BOX 355
SANT , CA. 92702

HAZARDOUS WASTE INSPECTION RUN DATE: 24 JUN 1989

DBA: LAGUNA HILLS CLEANERS INSPECTION DATE: 7-6-89

DDRESS: 23521 CALLE DE LA LOUISA DISTRICT: 18

: LAGUNA HILLS, CA 92653 MAP COORDINATE: 29A-D5

CCOUNT NO: 2582-5 LAST INSP DATE: 08/23/88

ITY CODE: 43 NUMBER EMPS: 4 FEE CODE: M STATUS: 1 EX CODE: 1 ST.VAR:

UB ACCY: _____ COMPLIANCE: ___ PROGRAM: HW

BILLING DBA: SAME
ILLING ADDRESS: _____
: _____
: _____

! UST (#, SIZE, CONTENTS) !

O. OWNER: _____ PHONE:)-
ONTACT: TAE O KIM PHONE: 714-837-0840

MERGENCY CONTACT 1: TAE O KIM PHONE: 714-492-0423
MERGENCY CONTACT 2: _____ PHONE: ___-_____-_____

ROPERTY OWNER: LAGUNA HILLS MALL)
: 24155 LAGUNA HILLS MALL
: LAGUNA HILLS, CA 92653

ROCESS: DRY CLEANERS-PERC SLUDGE-DIATOMEAARCOUS EARTH

IC CODE 1: ~~[7200]~~ 7216 PERSONAL SERVICES
IC CODE 2: [7200] ~~PERSONAL SERVICES~~ DRY CLEANERS

NSP TYPE ___ OUTSTANDING VIOLATIONS:

DATE	EMP#	TYPE	VIO CODE	DESCRIPTION	ABATED

NSPECTOR # 210 SIGNATURE James Parsons DATE 7/6/89

CEIVED BY: _____ DATE ___/___/___

APSED TIME: 45 (MIN) PART 1 PAGE 1

8-7-89

pH

1729 WEST (-H STREET, P.O. BOX 355
SANT , CA. 92702

HAZARDOUS WASTE INSPECTION RUN DATE: 24 JUN 1989

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA
: LAGUNA HILLS, CA 92653

ACCOUNT NO: 2582-5 LAST INSP DATE: 08/23/88

2 WASTE ID: [575.W] PERCHLOROETHYLENE, TETRACHLOROETHYL T/S [ ]

MAX VOL STORED: 20 UNIT: [1] GALLONS FORM: [4] SLUDGE / SLURRY

HOW STORED: [2] DRUM < 55G-METAL ANNUAL VOL. DISPOS.: 300

HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN

LOCATION: IN SHOP

HAULER: [1406] SAFETY-KLEEN *S

WASTE ID: [ ]_____ T/S [ ]

MAX VOL STORED: _____ UNIT: [ ]_____ FORM: [ ]_____

HOW STORED: [ ]_____ ANNUAL VOL. DISPOS.: _____

HOW DISPOS.: [ ]_____

LOCATION: _____

HAULER: [ ]_____

WASTE ID: [ ]_____ T/S [ ]

MAX VOL STORED: _____ UNIT: [ ]_____ FORM: [ ]_____

HOW STORED: [ ]_____ ANNUAL VOL. DISPOS.: _____

HOW DISPOS.: [ ]_____

LOCATION: _____

HAULER: [ ]_____

INSPECTOR # 210 SIGNATURE Jim Ferrari DATE __/__/__

RECEIVED BY: _____ DATE __/__/__

PART II

1729 WEST 4TH STREET, P.O. BOX 355
SANTA ANA, CA. 92702

HAZARDOUS WASTE INSPECTION RUN DATE: 24 JUN 1989

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA
: LAGUNA HILLS, CA 92653

ACCOUNT NO: 2582-5 LAST INSP DATE: 08/23/88

VIOLATION DESCRIPTIONS

__ 001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE
__ 051 GENERATOR HAS NO EPA I.D. NUMBER
__ 052 MANIFESTS NOT ACCURATELY COMPLETED
__ 053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE
__ 054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW
__ 055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DOHS
__ 101 MANIFEST, BIENNIAL REPORT, EXCEPTION REPORTS, AND TEST RESULTS NOT RETAINED AT LEAST 3 YEARS
__ 102 BIENNIAL REPORT TO STATE NOT SUBMITTED
__ 151 WRITTEN NOTIFICATION NOT MADE TO EPA ADMINISTRATOR FOR WASTE EXPORTATION
__ 152 SIGNATURE OF FOREIGN CONSIGNEE NOT OBTAINED RE: DELIVERY
__ 153 MANIFEST REQUIREMENTS NOT MET FOR HAZARDOUS WASTE EXPORTATION/IMPORTATION
__ 201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY NON-REGIST ERED HAULER
__ 202 HAZARDOUS WASTE NOT TAKEN TO A STATE PERMITTED FACILITY
__ 251 EXTREMELY HAZARDOUS WASTE HANDLED/DISPOSED OF WITHOUT A PERMIT
__ 252 DEVIATION FROM DOHS APPROVED HANDLING/DISPOSAL METHODS MADE FOR EXTREMELY HAZARDOUS WASTE
__ 301 PERSONNEL NOT TRAINED OTJ OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT
__ 302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT
__ 303 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE
__ 304 NO PERSONNEL TRAINING RECORDS MAINTAINED INCLUDING TITLES, JOB DESCRIPTION, DATES, TYPE OF TRAINING
__ 351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR MAINTAINED AT SITE
__ 352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION
__ 353 EMERGENCY COORDINATOR NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION/EMERGENCY PROCEDURES
__ 354 RELEASED WASTE/CONTAMINATED EQUIPMENT NOT PROPERLY TREATED, STORED, DISPOSED OF
__ 355 REPORT NOT SUBMITTED TO STATE WITHIN 15 DAYS OF EMERGENCY INCIDENT
__ 356 STATE AND LOCAL AGENCIES NOT NOTIFIED BEFORE RESUMING OPERATION AFTER AN EMERGENCY
__ 401 APPROPRIATE FIREFIGHTING SPILL CONTROL, AND DECONTAMINTATION EQUIPMENT NOT AVAILABLE
__ 402 ADEQUATE TESTING/MAINTENANCE FOR EMERGENCY EQUIPMENT NOT CONDUCTED
__ 403 APPROPRIATE COMMUNICATIONS/ALARM SYSTEMS NOT AVAIL ABLE
__ 404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT
__ 405 ARRANGEMENTS WITH APPROPRIATE LOCAL AUTHORITIES FOR EMERGENCY RESPONSE HAVE NOT BEEN MADE
__ 451 HAZARDOUS WASTE STORED MORE THAN 90 DAYS
__ 452 CONTAINER NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION
__ 453 EACH CONTAINER AND TANK NOT CLEARLY LABELED HAZARDOUS WASTE WITH REQUIRED DETAILS
__ 454 WASTE IS NOT PACKAGED, LABELED, AND PLACARDED ACCORDING TO 49 (DOT)
__ 455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED
__ 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS
__ 502 CONTAINERS ARE NOT COMPATIBLE WITH WASTE IN THEM
__ 503 CONTAINERS ARE NOT STORED CLOSED

INSPECTOR # 210 SIGNATURE James Tarasin DATE 6/27/89

RECEIVED BY: _____ DATE __/__/__

ENV ONMENTAL HEALTH (714) 8 75
5 West 17th Street, P.O. Bo
Santa Ana, CA 92702

HAZARDOUS WASTE INSPECTION

DBA: _____

ADDRESS: _____

_____

PERMIT NUMBER: _____

VIOLATION DESCRIPTION

___ 506 Incompatibles are not managed to prevent contact/mixing
___ 507 Incompatibles are not stored/protected in separate containers
___ 551 Stored waste in tanks causes corrosion, leakage or premature failure
___ 552 Uncovered tanks do not have 2 ft. freeboard, dikes or other containment structures
___ 553 Continuous feed systems in tanks have no waste-feed cutoff
___ 554 Discharge control equipment, monitoring equipment, and waste level not checked daily for tanks
___ 555 Construction materials of tank/containment area are not checked weekly
___ 556 At site closure, hazardous waste, residue and contaminated equipment not properly disposed
___ 557 Ignitable/reactive waste in tanks not protected from material that would cause it to ignite/react
___ 558 Incompatibles are not stored/protected in separate tanks
___ 559 NFPA buffer zone for tanks not observed

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and shall be corrected as indicated: _____

DRUM WAS PROPERLY LABELED. GOOD RECORDS
NO VIOLATIONS AT THIS TIME.

ELAPSED TIME IN MINUTES: _____

INSPECTOR # 210 SIGNATURE: [signature]

RECEIVED BY: [signature] DATE RECEIVED ___/___/___

F272-9.1515 (CRS)

COUNTY OF ORANGE / HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH (714) 834-8175
17. ST 17TH STREET, P.O. BOX 355
SANTA ANA, CA. 92702

HAZARDOUS WASTE INSPECTION RUN DATE: 09 JUN 1988

DBA: LAGUNA HILLS CLEANERS INSPECTION DATE: 8-23-88

ADDRESS: 23521 CALLE DE LA LOUISA DISTRICT: 13

: LAGUNA HILLS, CA 92653 MAP COORDINATE: 29A-D5

ACCOUNT NO: 2582-4 LAST INSP DATE: 11/03/87

CITY CODE: 43 NUMBER EMPS: 4 FEE CODE: M STATUS: 1 EX CODE: 1 ST.VAR:

PUB AGCY: ..... COMPLIANCE: ..... PROGRAM: HW

BILLING DBA: .....
BILLING ADDRESS: .....
: .....
: .....

✓ UST (#, SIZE, CONTENTS)
Ø

CO. OWNER: ..... PHONE: ...-...-...
CONTACT: TAE O KIM PHONE: 714-837-0840

EMERGENCY CONTACT 1: TAE O KIM PHONE: 714-492-0423
EMERGENCY CONTACT 2: ..... PHONE: ...-...-...

PROPERTY OWNER: LAGUNA HILLS MALL
: 24155 LAGUNA HILLS MALL
: LAGUNA HILLS, CA 92653

PROCESS: DRY CLEANERS-PERC SLUDGE-DIATOMEAARCOUS EARTH

SIC CODE 1: [7200] PERSONAL SERVICES
SIC CODE 2: [7200] PERSONAL SERVICES

INSP TYPE .....

OUTSTANDING VIOLATIONS:

DATE	EMP#	TYPE	VIO CODE	DESCRIPTION	ABATED

INSPECTOR # 120 SIGNATURE [signature] DATE ..../..../....

RECEIVED BY: [signature] DATE ..../..../....

ELAPSED TIME: 60 (MIN) PART 1 PAGE 1

V-21-20

ENVIRONMENTAL HEALTH (714) 834-8175
172 EAST 17TH STREET, P.O. BOX 355
SANTA ANA, CA. 92702

HAZARDOUS WASTE INSPECTION RUN DATE: 09 JUN 1988

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA
: LAGUNA HILLS, CA 92653

ACCOUNT NO: 2582-4 LAST INSP DATE: 11/03/87

2 WASTE ID: [575.W] PERCHLOROETHYLENE, TETRACHLOROETHYL T/S [ ]

2

MAX VOL STORED: 20 UNIT: [1] GALLONS FORM: [4] SLUDGE / SLURRY

HOW STORED: [2] DRUM < 55G-METAL ANNUAL VOL. DISPOS.: 300

HOW DISPOS.: [78 2] *RECYCLED OFF SITE

LOCATION: IN SHOP

HAULER: [1486] SAFETY-KLEEN *S

WASTE ID: [ ] T/S [ ]

MAX VOL STORED: UNIT: [ ] FORM: [ ]

HOW STORED: [ ] ANNUAL VOL. DISPOS.:

HOW DISPOS.: [ ]

LOCATION:

HAULER: [ ]

WASTE ID: [ ] T/S [ ]

MAX VOL STORED: UNIT: [ ] FORM: [ ]

HOW STORED: [ ] ANNUAL VOL. DISPOS.:

HOW DISPOS.: [ ]

LOCATION:

HAULER: [ ]

INSPECTOR # 120 SIGNATURE DATE / /

RECEIVED BY: DATE / /

PART II

1729 WEST 17TH STREET, P.O. BOX 355
ANA, CA. 92702

HAZARDOUS WASTE INSPECTION RUN DATE: 09 JUN 1988

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA
: LAGUNA HILLS, CA 92653

ACCOUNT NO: 2582-4 LAST INSP DATE: 11/03/87

VIOLATION DESCRIPTIONS

____ 001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE
____ 051 GENERATOR HAS NO EPA I.D. NUMBER
____ 052 MANIFESTS NOT ACCURATELY COMPLETED
____ 053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE
____ 054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW
____ 055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DOHS
____ 101 MANIFEST, BIENNIAL REPORT, EXCEPTION REPORTS, AND TEST RESULTS NOT RETAINED AT LEAST 3 YEARS
____ 102 BIENNIAL REPORT TO STATE NOT SUBMITTED
____ 151 WRITTEN NOTIFICATION NOT MADE TO EPA ADMINISTRATOR FOR WASTE EXPORTATION
____ 152 SIGNATURE OF FOREIGN CONSIGNEE NOT OBTAINED RE: DELIVERY
____ 153 MANIFEST REQUIREMENTS NOT MET FOR HAZARDOUS WASTE EXPORTATION/IMPORTATION
____ 201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY NON-REGIST ERED HAULER
____ 202 HAZARDOUS WASTE NOT TAKEN TO A STATE PERMITTED FACILITY
____ 251 EXTREMELY HAZARDOUS WASTE HANDLED/DISPOSED OF WITHOUT A PERMIT
____ 252 DEVIATION FROM DOHS APPROVED HANDLING/DISPOSAL METHODS MADE FOR EXTREMELY HAZARDOUS WASTE
____ 301 PERSONNEL NOT TRAINED OTJ OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT
____ 302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT
____ 303 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE
____ 304 NO PERSONNEL TRAINING RECORDS MAINTAINED INCLUDING TITLES, JOB DESCRIPTION, DATES, TYPE OF TRAINING
____ 351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR MAINTAINED AT SITE
____ 352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION
____ 353 EMERGENCY COORDINATOR NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION/EMERGENCY PROCEDURES
____ 354 RELEASED WASTE/CONTAMINATED EQUIPMENT NOT PROPERLY TREATED, STORED, DISPOSED OF
____ 355 REPORT NOT SUBMITTED TO STATE WITHIN 15 DAYS OF EMERGENCY INCIDENT
____ 356 STATE AND LOCAL AGENCIES NOT NOTIFIED BEFORE RESUMING OPERATION AFTER AN EMERGENCY
____ 401 APPROPRIATE FIREFIGHTING SPILL CONTROL, AND DECONTAMINTATION EQUIPMENT NOT AVAILABLE
____ 402 ADEQUATE TESTING/MAINTENANCE FOR EMERGENCY EQUIPMENT NOT CONDUCTED
____ 403 APPROPRIATE COMMUNICATIONS/ALARM SYSTEMS NOT AVAIL ABLE
____ 404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT
____ 405 ARRANGEMENTS WITH APPROPRIATE LOCAL AUTHORITIES FOR EMERGENCY RESPONSE HAVE NOT BEEN MADE
____ 451 HAZARDOUS WASTE STORED MORE THAN 90 DAYS
____ 452 CONTAINER NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION
____ 453 EACH CONTAINER AND TANK NOT CLEARLY LABELED HAZARDOUS WASTE WITH REQUIRED DETAILS
____ 454 WASTE IS NOT PACKAGED, LABELED, AND PLACARDED ACCORDING TO 49 (DOT)
____ 455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED
____ 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS
____ 502 CONTAINERS ARE NOT COMPATIBLE WITH WASTE IN THEM
____ 503 CONTAINERS ARE NOT STORED CLOSED

INSPECTOR # 120 SIGNATURE ..... DATE ..../..../....

RECEIVED BY: ..... DATE ..../..../....

ENVIRONMENTAL HEALTH (714) 834-8175
1729 W 17TH STREET, P.O. BOX 355
SANTA ANA, CA. 92702

HAZARDOUS WASTE INSPECTION RUN DATE: 09 JUN 1988

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA
: LAGUNA HILLS, CA 92653

ACCOUNT NO: 2582-4 LAST INSP DATE: 11/03/87

VIOLATION DESCRIPTIONS

..... 504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS/DEFECTS
..... 505 IGNITABLE/REACTIVE WASTES ARE NOT STORED 50 FT FROM FACILITY PROPERTY LINE
..... 506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT/MIXING
..... 507 INCOMPATIBLES ARE NOT STORED/PROTECTED IN SEPARATE CONTAINERS
..... 551 STORED WASTE IN TANKS CAUSES CORROSION, LEAKAGE OR PREMATURE FAILURE
..... 552 UNCOVERED TANKS DO NOT HAVE 2 FT FREEBOARD, DIKES OR OTHER CONTAINMENT STRUCTURES
..... 553 CONTINUOUS FEED SYSTEMS IN TANKS HAVE NO WASTE-FEED CUTOFF
..... 554 DISCHARGE CONTROL EQUIPMENT, MONITORING EQUIPMENT, AND WASTE LEVEL NOT CHECKED DAILY FOR TANKS
..... 555 CONSTRUCTION MATERIALS OF TANK/CONTAINMENT AREA ARE NOT CHECKED WEEKLY
..... 556 AT SITE CLOSURE, HAZARDOUS WASTE, RESIDUE AND CONTAMINATED EQUIPMENT NOT PROPERLY DISPOSED
..... 557 IGNITABLE/REACTIVE WASTE IN TANKS NOT PROTECTED FR OM MATERIAL THAT WOULD CAUSE IT TO IGNITE/REACT
..... 558 INCOMPATIBLES ARE NOT STORED/PROTECTED IN SEPARATE TANKS
..... 559 NFPA BUFFER ZONE FOR TANKS NOT OBSERVED
..... 700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSIO N, OR RELEASE OF HAZARDOUS WASTE (CONTAINMENT)

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and shall be corrected as indicate

Containers were labeled properly. Receipt were kept & reviewed

INSPECTOR # 120 SIGNATURE [signature] DATE ..../..../....

RECEIVED BY: [signature] DATE ..../..../....

TY OF ORANGE/HEALTH CARE AG
RONMENTAL HEALTH (714) 834-L
1725 WEST 17TH STREET, P.O. BOX 355
SANTA ANA, CA 92702
HAZARDOUS WASTE INSPECTION

DBA: Laguna Hills Cleaners INSPECTION DATE: 11/3/87

ADDRESS: 23521 Calle De la Louisa MAP COORDINATES: _____

Laguna Hills, CA 92653 DISTRICT: 7

ACCOUNT NUMBER: 2581-3 PERMIT NUMBER: _____

CITY CODE: 43 NUMBER EMPS: 4 FEE CODE: __ STATUS: __ EX CODE: __

INSP TYPE: 1 PUBLIC AGENCY: __ COMPLIANCE: __ PROGRAM: 01 / / /

BILLING DBA: same

BILLING ADDRESS: _____

UST (#, SIZE, CONTENTS)
NO

CO. OWNER: Tae Kim PHONE: (714) 837-0840

CONTACT: same PHONE: ( ) - _____

EMERGENCY CONTACT 1: same PHONE: (714) 492 0423

EMERGENCY CONTACT 2: _____ PHONE: ( ) - _____

PROPERTY OWNER: Laguna Hills Mall - office management

PROCESS: Dry Cleaner - perc sludge - diatomearcous earth & perc oil

SIC CODE 1: [7200] Personnel Services

SIC CODE 2: [ ] _____

INSPECTOR #: 150 SIGNATURE: Sharon Kolm

RECEIVED BY: Treat DATE RECEIVED: / /

ELAPSED TIME: 45 (MIN)

12-3-87

PART 1

COUNTY OF ORANGE/HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH (714) 834
5 WEST 17TH STREET, P.O. BOX
SANTA ANA, CA 92702

HAZARDOUS WASTE INSPECTION

DBA: _____

ADDRESS: Laguna Hills Cleaners
L.Hills

ACCOUNT NUMBER: _____ PERMIT NUMBER: _____

VIOLATION DESCRIPTION

____ 001 Hazardous waste determination not made for all waste
____ 051 Generator has no EPA I.D. number
____ 052 Manifests not accurately completed
____ 053 Manifests not used for transporting hazardous waste
____ 054 Copies of manifest not available for review
____ 055 Properly completed copies of manifest or exception report not submitted to DOHS
____ 101 Manifest, Biennial Report, Exception Reports, and test results not retained at least 3 years
____ 102 Biennial Report to State not submitted
____ 151 Written notification not made to EPA Administrator for waste exportation
____ 152 Signature of foreign consignee not obtained re: delivery
____ 153 Manifest requirements not met for hazardous waste exportation/importation
____ 201 Hazardous waste transported off site by nonregistered hauler
____ 202 Hazardous waste not taken to a State permitted facility
____ 251 Extremely hazardous waste handled/disposed of without a permit
____ 252 Deviation from DOHS approved handling/disposal methods made for extremely hazardous waste
____ 301 Personnel not trained OTJ or in classroom within 6 months of employment
____ 302 Training not conducted by person trained in hazardous waste management
____ 303 Training does not include emergency response procedures and emergency equipment use
____ 304 No personnel training records maintained including titles, job description, dates, type of training
____ 351 Generator has not prepared contingency plan or maintained at site
____ 352 Contingency plan does not include all required information
____ 353 Emergency coordinator not familiar with all aspects of site operation/emergency procedures
____ 354 Released waste/contaminated equipment not properly treated, stored, disposed of
____ 355 Report not submitted to State within 15 days of emergency incident
____ 356 State and local agencies not notified before resuming operation after an emergency
____ 401 Appropriate firefighting, spill control, and decohtamination equipment not available
____ 402 Adequate testing/maintenance for emergency equipment not conducted
____ 403 Appropriate communications/alarm systems not available
____ 404 Adequate aisle space not available for unobstructed movement
____ 405 Arrangements with appropriate local authorities for emergency response have not been made
____ 451 Hazardous waste stored more than 90 days
____ 452 Containers not visibly marked with the beginning date of accumulation
____ 453 Each container and tank not clearly labeled hazardous waste with required details
____ 454 Waste is not packaged, labeled, and placarded according to 49 CFR (DOT)
____ 455 Each container of 110 gallons or less is not properly labeled
____ 501 Containers are not in good condition or are not managed to prevent leaks
____ 502 Containers are not compatible with waste in them
____ 503 Containers are not stored closed
____ 504 Containers are not inspected weekly for leaks/defects
____ 505 Ignitable/reactive wastes are not stored 50 ft. from facility property line

INSPECTOR #: 150 SIGNATURE: Sharon Kuh

RECEIVED BY: _____ DATE RECEIVED: __/__/__

JNTY OF ORANGE/HEALTH CARE /
VIRONMENTAL HEALTH (714) 834-
1725 WEST 17TH STREET, P.O. BOX 355
SANTA ANA, CA 92702
HAZARDOUS WASTE INSPECTION

DBA: Laguna Hills Cleaner INSPECTION DATE: 4/14/87

ADDRESS: 23521 Calle De la Luisa MAP COORDINATES: /

Laguna Hills, CA. 926- DISTRICT: #7

ACCOUNT NUMBER: 2582 PERMIT NUMBER:

CITY CODE: 43 NUMBER EMPS: 5 FEE CODE: STATUS: EX CODE:

INSP TYPE: 1 PUBLIC AGENCY: COMPLIANCE: PROGRAM: 01/ / /

BILLING DBA:

BILLING ADDRESS:

UST (#, SIZE, CONTENTS)
NO

CO. OWNER: Tae O. KIM PHONE: (714) 837-0840

CONTACT: same PHONE: ( ) -

EMERGENCY CONTACT 1: same PHONE: (714) 492-0423

EMERGENCY CONTACT 2: PHONE: ( ) -

PROPERTY OWNER: Laguna Hills Mall management

PROCESS: Dry Cleaners - NO perc filters perc sludge

SIC CODE 1: [~~7219~~ 7200] Dry Cleaners

SIC CODE 2: [ ]

INSPECTOR #: 150 SIGNATURE: Sharon Rotander

RECEIVED BY: DATE RECEIVED: / /

ELAPSED TIME: (MIN)

4/27/87

PART 1

COU OF ORANGE/HEALTH CARE NCY
EN NMENTAL HEALTH (714) 8 175
1725 West 17th Street, P.O. Box 355
Santa Ana, CA 92702

HAZARDOUS WASTE INSPECTION

DBA: Laguna Hills Cleaners

ADDRESS: same

PERMIT NUMBER: _____

VIOLATION DESCRIPTION

___ 001 Hazardous waste determination not made for all waste
___ 051 Generator has no EPA I.D. number
___ 052 Manifests not accurately completed
___ 053 Manifests not used for transporting hazardous waste
___ 054 Copies of manifest not available for review
___ 055 Properly completed copies of manifest or exception report not submitted to DOHS
___ 101 Manifest, Biennial Report, Exception Reports, and test results not retained at least 3 years
___ 102 Biennial Report to State not submitted
___ 151 Written notification not made to EPA Administrator for waste exportation
___ 152 Signature of foreign consignee not obtained re: delivery
___ 153 Manifest requirements not met for hazardous waste exportation/importation
___ 201 Hazardous waste transported off site by non-registered hauler
___ 202 Hazardous waste not taken to a State permitted facility
___ 251 Extremely hazardous waste handled/disposed of without a permit
___ 252 Deviation from DOHS approved handling/disposal methods made for extremely hazardous waste
___ 301 Personnel not trained OTJ or in classroom within 6 months of employment
___ 302 Training not conducted by person trained in hazardous waste management
___ 303 Training does not include emergency response procedures and emergency equipment use
___ 304 No personnel training records maintained including titles, job description, dates, type of training
___ 351 Generator has not prepared contingency plan or maintained at site
___ 352 Contingency plan does not include all required information
___ 353 Emergency coordinator not familiar with all aspects of site operation/emergency procedures
___ 354 Released waste/contaminated equipment not properly treated, stored, disposed of
___ 355 Report not submitted to State within 15 days of emergency incident
___ 356 State and local agencies not notified before resuming operation after an emergency
___ 401 Appropriate firefighting, spill control, and decontamination equipment not available
___ 402 Adequate testing/maintenance for emergency equipment not conducted
___ 403 Appropriate communications/alarm systems not available
___ 404 Adequate aisle space not available for unobstructed movement
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___ 451 Hazardous waste stored more than 90 days
___ 452 Containers not visibly marked with the beginning date of accumulation
___ 453 Each container and tank not clearly labeled hazardous waste with required details
___ 454 Waste is not packaged, labeled, and placarded according to 49 CFR (DOT)
___ 455 Each container of 110 gallons or less is not properly labeled
___ 501 Containers are not in good condition or are not managed to prevent leaks
___ 502 Containers are not compatible with waste in them
___ 503 Containers are not stored closed
___ 504 Containers are not inspected weekly for leaks/defects
___ 505 Ignitable/reactive wastes are not stored 50 ft. from facility property line

INSPECTOR # 150 SIGNATURE: Sharon

RECEIVED BY: _____ DATE RECEIVED ___/___/___

F272-5.1515

COUNTY OF NGE / HEALTH CA AGENCY

ENVIRONMENTAL HEALTH (714) 834-8175

HAZARDOUS WASTE INSPECTION RUN DATE 10/06/86

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA
LAGUNA HILLS, CA 92653

PERMIT NUMBER 2582 LAST INSPECTION DATE
NEW___ CHG.___ DEL. BUS.___ DEL. BLDG.___ THIS INSPECT DATE 10/22/86

CITY CODE 43 EX CD 1 STATUS 1 INSPECT TYPE 1 PROGRAM 1

BILLING DBA: SAME
BILLING ADDRESS: _____ NO. EMPL: 4
: _____ UNDERGROUND [ ] 1=Yes -Gas Station
[ ] 2=Yes -Not Gas Station

CO. OWNER ~~LAGUNA HILLS CLEANER~~ TAE O. KIM TITLE OWNER BUS. PHONE ~~837-384-888~~ 714-837-0840
CONTACT " TITLE " BUS. PHONE ___-"-___

EMERGENCY CONTACT 1 TAE O KIM PHONE 714-492-0423
EMERGENCY CONTACT 2 _____ PHONE ___-___-___

PROPERTY OWNER
NAME: LAGUNA HILLS MALL 714-586-8282
ADDRESS: 24155 LAGUNA HILLS MALL
CITY, ST, ZIP: LAGUNA HILLS, CA 92653

PROCESS: DRY CLEANING

SIC 1 [7216] DRY CLEANING PLANTS (EX R
SIC 2 [7219] LAUNDRY & GARMENT SERVICE
SIC 3 [ ] _____
SIC 4 [ ] _____

LAST INSPECTION
VIOLATIONS AND UNCORRECTED

DATE INSP	BY	TYPE INSP	VIO CODE	*** VIOLATION DESCRIPTION ***	ABATED

11-4-86

INSPECTOR # 145 SIGNATURE [signature]
RECEIVED BY [signature] DATE RECEIVED 10/22/86

COUNTY OF ANGE / HEALTH C AGENCY

ENVIRONMENTAL HEALTH (714) 834-8175

HAZARDOUS WASTE INSPECTION RUN DATE 10/06/86

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA
LAGUNA HILLS, CA 92653

PERMIT NUMBER 2582 LAST INSPECTION DATE

HAZARDOUS WASTE

WASTE ID: 2077 ~~[illegible]~~,W WASTE NAME: PERC & DIATOMACIOUS EARTH TS [ ]
MAX VOL STORED 55 UNIT [1] GAL FORM [4] SLUDGE
HOW STORED [1] 55 GAL DRUM ANNUAL VOL DISPO 440 GAL
HOW DISPOS [2] RECYCLED OFF-SITE
LOCATION INSIDE SHOP
HAULER [1049] ROENC DISPOSAL

WASTE ID: WASTE NAME: TS [ ]
MAX VOL STORED UNIT [ ] FORM [ ]
HOW STORED [ ] ANNUAL VOL DISPO
HOW DISPOS [ ]
LOCATION
HAULER [ ]

INSPECTOR # 145 SIGNATURE [signature]
RECEIVED BY [signature] DATE RECEIVED 10/22/86

PAGE NO (1) OF PART 2

COUNTY OF ANGE / HEALTH C AGENCY

ENVIRONMENTAL HEALTH (714) 834-8175

HAZARDOUS WASTE INSPECTION RUN DATE 10/06/86

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA
LAGUNA HILLS, CA 92653

PERMIT NUMBER 2582

LAST INSPECTION DATE
Elapsed Time In Minutes 35

VIOLATION DESCRIPTIONS

___ 001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE
___ 051 GENERATOR HAS NO EPA I.D. NUMBER
___ 052 MANIFESTS NOT ACCURATELY COMPLETED
___ 053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE
X 054 COPIES OF ~~MANIFESTS~~ RECEIPTS NOT AVAILABLE FOR REVIEW
___ 055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DOHS
___ 101 MANIFEST, BIENNIAL REPORT, EXCEPTION REPORTS, AND TEST RESULTS NOT RETAINED AT LEAST 3 YEARS
___ 102 BIENNIAL REPORT TO STATE NOT SUBMITTED
___ 151 WRITTEN NOTIFICATION NOT MADE TO EPA ADMINISTRATOR FOR WASTE EXPORTATION
___ 152 SIGNATURE OF FOREIGN CONSIGNEE NOT OBTAINED RE: DELIVERY
___ 153 MANIFEST REQUIREMENTS NOT MET FOR HAZARDOUS WASTE EXPORTATION/IMPORTATION
___ 201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY NON-REGISTERED HAULER
___ 202 HAZARDOUS WASTE NOT TAKEN TO A STATE PERMITTED FACILITY
___ 251 EXTREMELY HAZARDOUS WASTE HANDLED/DISPOSED OF WITHOUT A PERMIT
___ 252 DEVIATION FROM DOHS APPROVED HANDLING/DISPOSAL METHODS MADE FOR EXTREMELY HAZARDOUS WASTE
___ 301 PERSONNEL NOT TRAINED OTJ OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT
___ 302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT
___ 303 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE
___ 304 NO PERSONNEL TRAINING RECORDS MAINTAINED INCLUDING TITLES, JOB DESCRIPTION, DATES, TYPE OF TRAINING
___ 351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR MAINTAINED AT SITE
___ 352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION
___ 353 EMERGENCY COORDINATOR NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION/EMERGENCY PROCEDURES
___ 354 RELEASED WASTE/CONTAMINATED EQUIPMENT NOT PROPERLY TREATED, STORED, DISPOSED OF
___ 355 REPORT NOT SUBMITTED TO STATE WITHIN 15 DAYS OF EMERGENCY INCIDENT
___ 356 STATE AND LOCAL AGENCIES NOT NOTIFIED BEFORE RESUMING OPERATION AFTER AN EMERGENCY
___ 401 APPROPRIATE FIREFIGHTING SPILL CONTROL, AND DECONTAMINTATION EQUIPMENT NOT AVAILABLE
___ 402 ADEQUATE TESTING/MAINTENANCE FOR EMERGENCY EQUIPMENT NOT CONDUCTED
___ 403 APPROPRIATE COMMUNICATIONS/ALARM SYSTEMS NOT AVAILABLE
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___ 451 HAZARDOUS WASTE STORED MORE THAN 90 DAYS
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___ 453 EACH CONTAINER AND TANK NOT CLEARLY LABELED HAZARDOUS WASTE WITH REQUIRED DETAILS
___ 454 WASTE IS NOT PACKAGED, LABELED, AND PLACARDED ACCORDING TO 49 (DOT)
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___ 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS
___ 502 CONTAINERS ARE NOT COMPATIBLE WITH WASTE IN THEM
___ 503 CONTAINERS ARE NOT STORED CLOSED
___ 504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS/DEFECTS

INSPECTOR # 145 SIGNATURE [signature]

RECEIVED BY [signature] DATE RECEIVED 10/22/86

COUNTY OF ORANGE / HEALTH CARE AGENCY

ENVIRONMENTAL HEALTH (714) 834-8175

HAZARDOUS WASTE INSPECTION RUN DATE 10/06/86

DBA: LAGUNA HILLS CLEANERS
ADDRESS: 23521 CALLE DE LA LOUISA
LAGUNA HILLS, CA 92653

PERMIT NUMBER 2582 LAST INSPECTION DATE

VIOLATION DESCRIPTIONS

___ 505 IGNITABLE/REACTIVE WASTES ARE NOT STORED 50 FT FROM FACILITY PROPERTY LINE
___ 506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT/MIXING
___ 507 INCOMPATIBLES ARE NOT STORED/PROTECTED IN SEPARATE CONTAINERS
___ 551 STORED WASTE IN TANKS CAUSES CORROSION, LEAKAGE OR PREMATURE FAILURE
___ 552 UNCOVERED TANKS DO NOT HAVE 2 FT FREEBOARD, DIKES OR OTHER CONTAINMENT STRUCTURES
___ 553 CONTINUOUS FEED SYSTEMS IN TANKS HAVE NO WASTE-FEED CUTOFF
___ 554 DISCHARGE CONTROL EQUIPMENT, MONITORING EQUIPMENT,AND WASTE LEVEL NOT CHECKED DAILY FOR TANKS
___ 555 CONSTRUCTION MATERIALS OF TANK/CONTAINMENT AREA ARE NOT CHECKED WEEKLY
___ 556 AT SITE CLOSURE, HAZARDOUS WASTE, RESIDUE AND CONTAMINATED EQUIPMENT NOT PROPERLY DISPOSED
___ 557 IGNITABLE/REACTIVE WASTE IN TANKS NOT PROTECTED FROM MATERIAL THAT WOULD CAUSE IT TO IGNITE/REACT
___ 558 INCOMPATIBLES ARE NOT STORED/PROTECTED IN SEPARATE TANKS
___ 559 NFPA BUFFER ZONE FOR TANKS NOT OBSERVED
___ 700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE (CONTAINMENT)

The above noted items represent violations of the California Health and Safety Code,Chapter 6.5, and shall be corrected as indicated:

054 - COPIES OF RECEIPTS MUST BE AVAILABLE FOR REVIEW AT ALL TIMES & MUST BE RETAIN FOR A MINIMUM OF 3 YEARS.

INSPECTOR # 145 SIGNATURE [signature]

RECEIVED BY [signature] DATE RECEIVED 10/22/86

ORANGE COUNTY HEALTH CARE AGENCY
PUBLIC HEALTH & MEDICAL SERVICES

Division ~~of~~ Environmental Health
(714) 834-8175

DETERMINATION INSPECTION FORM
Dry Cleaning Industry

FIRM: Laguna Hills Cleaners
PHONE:
ADDRESS: 23521 Calle De La Louisa
Laguna Hills
EMPLOYEES: 3
INSP. DATE: 4/18/83 BY: Katherine Bish
CONTACT: Terri KIM
TITLE: Manager
SR. MGT:
TITLE:

TYPE OF SYSTEM:

___ Dry - To - Dry
X Transfer

TYPE OF SOLVENT:

		QUANTITY
X	PERC	45 gallons / month
___	Fluoro Carbon	
___	Petroleum (Stoddard)	

WASTES:

			QUANTITY
X	FILTERS		
	Dia. Earth	X	
	Cartridge		(Large)
			(Small)
X	Muck		50 gals / month
~~X~~	Still Bottoms		None

STORAGE & TYPE OF CONTAINER:

Describe: Storage of Muck in a 55gal. drum inside of premises.

MANIFEST: No ___ Why Not (Explain):

Yes ___

HAULER NAME: RDS
HAULER PHONE #:
LAST PICK-UP DATE: Aprox. 1 month ago
MANIFEST #:
QUANTITY:

COMMENTS: Unable to observe manifest or receipt.

Katherine K. Bish
Inspected By:

Received By:

TOM URAM
DIRECTOR

CAROL D. KISER
DIRECTOR OF ADMINISTRATION

ADDRESS:
515 NORTH SYCAMORE STREET, SUITE 120
SANTA ANA, CA 92701

MAILING ADDRESS:
P.O. BOX 355
SANTA ANA, CA 92702

TELEPHONE: (714) 834-3446
FAX: (714) 835-9312

COUNTY OF ORANGE
HEALTH CARE AGENCY

ADMINISTRATION • CUSTODIAN OF RECORDS

ENVRIONMENTAL MANAGEMENT GROUP
RON LOOMER
11011 MC CORMICK RD.,
HUNT VALLEY, MD 21031

CERTIFICATION OF NO RECORDS

I, the undersigned, being the Custodian of Records for the County of Orange, Health Care Agency, certify that a thorough search of our files, carried out under my direction and control, revealed no hazardous waste records regarding 2 SITES IN, LAGUNA HILLS, CA..

It is understood that such records could exist under another spelling, name, or classification, but with the information furnished to this office and to the best of our knowledge, no such records exist in our files.

The Health Care Agency may not be the only source of records. Please check with the Fire Department, the Water Quality Control Board and/or the State Department of Health Services.

William J. Strachan
Custodian of Records
Health Care Agency

DATE: August 25, 1997
CERT#: 49499

"COMMUNITY RIGHT TO KNOW" RECORDS SEARCH FORM

CHECK ONE: ✓ Hazardous Materials Disclosure Office

___ Code Enforcement (Fire Violations/Permits)

Please use one form per address. You may photocopy this form if additional forms are needed.

Records Search Requested for the Following Address:

LAGUNA HILLS MALL
Name of Business

24099-24300 LAGUNA HILLS MALL
Address (one address per form) Street — Suite #

LAGUNA HILLS — CA. — 92653
City — State — Zip

Environmental Site Assessment
Reason for the request

Code Enforcement Information Requested:

Fire Code Violation History
- ☐ Current Occupant
- ☐ Previous Occupant

Permits
- ☐ Current Permits
- ☐ All Permits on File

Other
- ☐ Specify. ___

Information Requested By:

Mr. John Stevens — (410) 785-6220 — (410) 785-6220
Print Name of Requester — Phone Number — FAX Number

ENVIRONMENTAL MANAGEMENT GROUP
Requester's Company Name

11011 McCormick Rd.
Company Address Street

Hunt Valley — MD. — 21031
City — State — Zip

You would like the information: ✓ Mailed to you ___ Hold for pickup

Official Use Only

Request received 8/15/97 Processed by Marilee Fiorelle Insp. 16825

X Records found in system ___ Records not found in system (Notify requester in writing)

Trade secret chemicals have been disclosed ___ Yes ___ No

Certified letter mailed to business ___/___/___ Rtn receipt received ___/___/___

Certified letter mailed to requester ___/___/___ Rtn receipt received ___/___/___

Injunction received within 30 days ___/___/___ Information released ___/___/___

Rev 5/17/96

ORANGE COUNTY FIRE AUTHORITY
HAZARDOUS MATERIALS DISCLOSURE OFFICE
180 South Water St. • Orange, CA 92866-2175 • (714) 744-0463

Ken W. MacLeod, Interim Director of Fire Services

Subject: HMDO Community Right to Know Records Search

Dear Requestor:

The Hazardous Materials Disclosure Office (HMDO) Community Right To Know information you requested is attached. The confidential information has been deleted from the report (home phone numbers, location of chemicals, site maps, and trade secret chemicals).

Additional information may be obtained by contacting other Orange County agencies.

- Orange County Health Care Agency (714) 667-3700 handles the underground storage tank program: plan checks, leaks, mitigation, and clarifiers.

- Orange County Health Care Agency Custodian of Records (714) 834-3536 handles hazardous waste, infectious waste, and industrial cleanup sites.

If you need further assistance or have any questions, please call the Clerk of the Fire Authority at (714) 289-7425.

Sincerely,

Christine Boyd

Christine Boyd
Hazardous Materials Disclosure Office
Program Manager

CRTKLET.4

HMDO COMMUNITY RIGHT TO KNOW REQUEST

08/18/1997

This is the most current chemical list this office has on file for this business.

GOODYEAR/ JUST TIRES
24099 LAGUNA HILLS MALL
LAGUNA HILLS, CA 92653 92653

TRADENAME AND CHEMICAL COMPONENTS:

			TRUE/FALSE	TRUE/FALSE	
MOTOR OIL	TRADE SECRET: N				
0	%: 0	Acutely Hazardous Material:		Carcinogen:	CAS #:
MINERAL OILS	%: 80	Acutely Hazardous Material:		Carcinogen:	CAS #:
OLEFIN COPOLYMER	%: 5	Acutely Hazardous Material:		Carcinogen:	CAS #: 0
PROPRIETARY ADDITIVE PACKAGE	%: 5	Acutely Hazardous Material:		Carcinogen:	CAS #: 0

MATERIAL FORM: LIQUID UNIT OF MEASURE: GA MAXIMUM ON SITE: 280

TRADENAME AND CHEMICAL COMPONENTS:

			TRUE/FALSE	TRUE/FALSE	
WASTE MOTOR OIL	TRADE SECRET: N				
WASTE OIL	%: 0	Acutely Hazardous Material:		Carcinogen:	CAS #: 0

MATERIAL FORM: LIQUID UNIT OF MEASURE: GA MAXIMUM ON SITE: 245

ORANGE COUNTY FIRE AUTHORITY
HAZARDOUS MATERIALS DISCLOSURE OFFICE
180 South Water St. • Orange, CA 92866-2175 • (714) 744-0463

Ken W. MacLeod, Interim Director of Fire Services

Subject: HMDO Community Right to Know Records Search

Dear Requestor:

Your request for Community Right to Know information has been processed and the documentation you requested is ready. The fee for processing this information is $.15 cents for each page.

Your fee amount is: $ .15

The fee can be paid by cash, check or money order. If paying by check, please make payable to the ORANGE COUNTY FIRE AUTHORITY.

The fee must be delivered or mailed to the attention of the Clerk of the Fire Authority at the above address prior to the release of the information. The information will be held for 30 days, after which time another records search form must be completed. When the fee has been received, the information requested will be:

____ Mailed to you.

____ Held for pickup.

Additional information may be obtained by contacting other Orange County agencies.

- Orange County Health Care Agency (714) 667-3700 handles the underground storage tank program: plan check, leaks, mitigation and clarifiers.

- Orange County Health Care Agency Custodian of Records (714) 834-3536 handles hazardous waste, infectious waste and industrial cleanup sites.

If you have any questions or need further assistance, please contact the Clerk of the Fire Authority at (714) 289-7425.

Sincerely,

Christine Boyd

Christine Boyd
Hazardous Materials Disclosure Office
Program Manager

CRTKLET.2

"COMMUNITY RIGHT TO KNOW" RECORDS SEARCH FORM

CHECK ONE: ✓ Hazardous Materials Disclosure Office

___ Code Enforcement (Fire Violations/Permits)

Please use one form per address. You may photocopy this form if additional forms are needed.

Records Search Requested for the Following Address:

LAGUNA HILLS MALL
Name of Business

23521-23541 CALLE DE LA LOUISA
Address (one address per form) Street Suite #

LAGUNA HILLS CA 92653
City State Zip

Environmental Site Assessment
Reason for the request

Code Enforcement Information Requested:

Fire Code Violation History
- ☐ Current Occupant
- ☐ Previous Occupant

Permits
- ☐ Current Permits
- ☐ All Permits on File

Other
- ☐ Specify _____

Information Requested By:

Mr. John Stavros (410) 785-6200 (410) 785-6220
Print Name of Requester Phone Number FAX Number

ENVIRONMENTAL MANAGEMENT GROUP
Requester's Company Name

11011 McCormick Rd.
Company Address Street

Hunt Valley MD 21031
City State Zip

You would like the information: ✓ Mailed to you ___ Hold for pickup

Official Use Only

Request received 8/15/97 Processed by M. Freville Insp. #. ___

___ Records found in system X Records not found in system (Notify requester in writing)

Trade secret chemicals have been disclosed ___ Yes ___ No

Certified letter mailed to business __/__/__ Rtn receipt received __/__/__

Certified letter mailed to requester __/__/__ Rtn receipt received __/__/__

Injunction received within 10 days __/__/__ Information released __/__/__

Rev 9/17/96

"COMMUNITY RIGHT TO KNOW" RECORDS SEARCH FORM

CHECK ONE: ✓ Hazardous Materials Disclosure Office

_ Code Enforcement (Fire Violations/Permits)

Please use one form per address. You may photocopy this form if additional forms are needed.

Records Search Requested for the Following Address:

Laguna Hills Mall
Name of Business

24001 Avenida De La Carlotta
Address (one address per form) Street — Suite #

Laguna Hills — CA. — 92653
City — State — Zip

Environmental Site Assessment
Reason for the request

Code Enforcement Information Requested:

Fire Code Violation History
- ☐ Current Occupant
- ☐ Previous Occupant

Permits
- ☐ Current Permits
- ☐ All Permits on File

Other
- ☐ Specify _____

Information Requested By:

Mr. John Stevens — (410) 785-6200 — (410) 785-6220
Print Name of Requester — Phone Number — FAX Number

Environmental Management Group
Requester's Company Name

1101 McCormick Rd.
Company Address — Street

Hunt Valley — Md. — 21031
City — State — Zip

You would like the information. ✓ Mailed to you ____ Hold for pickup

Official Use Only

Request received 8.15.97 Processed by M. Freville Insp. #____

____ Records found in system X Records not found in system (Notify requester in writing)

Trade secret chemicals have been disclosed ____ Yes ____ No

Certified letter mailed to business __/__/__ Rtn receipt received __/__/__

Certified letter mailed to requester __/__/__ Rtn receipt received __/__/__

Injunction received within 30 days __/__/__ Information released __/__/__

Rev 9/17/96

"COMMUNITY RIGHT TO KNOW" RECORDS SEARCH FORM

CHECK ONE: ✓ Hazardous Materials Disclosure Office

___ Code Enforcement (Fire Violations/Permits)

Please use one form per address. You may photocopy this form if additional forms are needed.

Records Search Requested for the Following Address:

LAGUNA HILLS MALL
Name of Business

24032 El Toro Road
Address (one address per form) Street — Suite #

LAGUNA HILLS — CA. — 92653
City — State — Zip

Environmental Site Assessment
Reason for the request

Code Enforcement Information Requested:

Fire Code Violation History
- ☐ Current Occupant
- ☐ Previous Occupant

Permits
- ☐ Current Permits
- ☐ All Permits on File

Other
- ☐ Specify _____

Information Requested By:

Mr. John Skouras — (410) 785-6200 — (410) 785-6220
Print Name of Requester — Phone Number — FAX Number

ENVIRONMENTAL MANAGEMENT GROUP
Requester's Company Name

1101 McCormick Rd.
Company Address — Street

Hunt Valley — MD. — 21031
City — State — Zip

You would like the information: ✓ Mailed to you ___ Held for pickup

Official Use Only

Request received 8.15.97 Processed by Marilee Freville Insp. #____

___ Records found in system ✓ Records not found in system (Notify requester in writing)

Trade secret chemicals have been disclosed ___ Yes ___ No

Certified letter mailed to business ___/___/___ Rtn receipt received ___/___/___

Certified letter mailed to requester ___/___/___ Rtn receipt received ___/___/___

Injunction received within 10 days ___/___/___ Information released ___/___/___

Rev 5/17/96

ORANGE COUNTY FIRE AUTHORITY
HAZARDOUS MATERIALS DISCLOSURE OFFICE
180 South Water St. • Orange, CA 92866-2175 • (714) 744-0463

Ken W. MacLeod, Interim Director of Fire Services

Subject: HMDO Community Right to Know Records Search

Dear Requestor:

Your request for Community Right to Know information has been processed and we have determined that there are no records on file for the address you requested.

Additional information may be obtained by contacting other Orange County agencies.

- Orange County Health Care Agency (714) 667-3700 handles the underground storage tank program: plan check, leaks, mitigation and clarifiers.

- Orange County Health Care Agency Custodian of Records (714) 834-3536 handles hazardous waste, infectious waste and industrial cleanup sites.

If you have any questions or need further assistance, please contact the Clerk of the Fire Authority at (714) 289-7425.

Sincerely,

Christine Boyd

Christine Boyd
Hazardous Materials Disclosure Office
Program Manager

CRTKLET.3

ENVIRONMENTAL SITE ASSESSMENT

Parking Lot
Laguna Hills Mall
Southwest Portion of Orange County Assessor Parcel No. 621-051-33
(24300 Calle De La Louisa)
Laguna Hills, California

PREPARED FOR:

Hanover R.S. Limited Partnership
5847 San Felipe, Suite #3600
Houston, Texas 77057

ALLWEST PROJECT 25T025.20
July 27, 2005

PREPARED BY:

John McGinnis
Project Manager

REVIEWED BY:

Marc Cunningham, REA
President

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APPENDICES

FIGURES
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(add appendices for additional documentation as needed)
APPENDIX C - Authorization for Reliance and General Conditions

Environmental Site Assessment

Parking Lot
Laguna Hills Mall
Southwest Portion of Orange County Assessor Parcel No. 621-051-33
(24300 Calle De La Louisa)
Laguna Hills, California

I. EXECUTIVE SUMMARY

AllWest has completed an environmental site assessment of the parking lot located at the southwest portion of Orange county Assessor's Parcel No. 621-051-33, with a designated address of 24300 Calle De La Louisa, in the City of Laguna Hills, California ("subject property"). This assessment was performed in general accordance with the scope and limitations of ASTM E 1527-00 and Hanover guidelines. Any exceptions to, or deletions from, the practice are described in Section III of this report.

This executive summary is provided solely for the purpose of overview. Any party who relies on this report must read the full report. The executive summary omits a number of details, any one of which could be crucial to the proper understanding and risk assessment of the subject matter.

AllWest visited the subject property on Tuesday, July 12, 2005. The subject property is an asphalt-paved parking lot containing approximately 492 parking stalls and covering approximately 150,000 square feet (3.4 acres) of land area. The subject property is located along the central southwest side of the Laguna Hills Mall. The subject property is surrounded by retail shops and restaurants of the Laguna Hills Mall to the north, a continuation of the Mall parking lot to the east, Calle De la Louisa followed by the Saddleback Memorial Medical Center to the south, and retail development and a parking lot to the west.

No manufacturing occurs on the subject property. No significant use of hazardous materials occurs at the subject property. The Orange County Fire Authority has no records of hazardous material use, storage or handling associated with the designated subject property address. No records or evidence of petroleum product or hazardous material underground storage tanks (USTs), such as vent pipes or fill ports, were observed at the subject property. The Regional Water Quality Control Board (RWQCB) has no records regarding past or present UST release issues for the subject property.

The El Toro Water District (ETWD) maintains sewer lines at the end of the parking rows along the northeast boundary of the subject property and through the northwest portion of the subject property to Calle De La Louisa as part of the sewer service connection for the adjacent Laguna

Hills Mall. In addition, there are two grease interceptors located along the northeast sewer line permitted through the ETWD for the adjacent Laguna Hills Mall food court.

Historical records dating to 1938 indicate prior to the improvement of the subject property as an asphalt-paved parking lot as part of the construction of the Laguna Hills Mall in the early 1970s, the subject property was part of agricultural fields in the area.

To evaluate off-site environmental concerns, AllWest reviewed a site specific EDR report which searched regulatory agency lists/databases for recorded sites within the industry standard search radii. The subject property was not listed on any of the regulatory databases searched. There are no adjacent site listed. The agency database search found no recorded off site concerns that have a likelihood of impacting the subject property based on hydraulic gradient, site distance, regulatory status or contamination magnitude considerations.

II. CONCLUSIONS & RECOMMENDATIONS

AllWest has conducted an industry standard environmental site assessment of the subject property. The current, historic and surrounding land uses of the subject property have a very low probability of impacting the soil and/or groundwater resources of the subject property. No further assessment is recommended.

A request for records regarding the subject property, as well as for upgradient and cross gradient UST and spill (SLIC) sites within 1/4 mile, was sent to the Orange County Health Care Agency. However, a response was not received in time for inclusion in this report. Upon receipt and review, an addendum will be issued if items of concern are noted.

III. SCOPE OF WORK AND LIMITATIONS

This Phase I Environmental Site Assessment (ESA) was prepared in accordance with AllWest's July, 2005 proposal, with respect to the property described as the southwest portion of Orange County Assessor Parcel No. 621-051-33, located at a designated address of 24300 Calle De la Louisa in Laguna Hills, California. This assessment was performed in general accordance with the scope and limitations of ASTM E 1527-00 and Hanover guidelines, except as set forth in the proposal. The work conducted by AllWest is limited to the services agreed to with Hanover R.S. Limited Partnership. No other services beyond those explicitly stated should be inferred or are implied.

The objective of this Environmental Site Assessment was to evaluate the subject site for potential recognized environmental concerns as outlined in the standards reference above. All west's professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental consultants practicing in the location of the subject site at the time of our investigation. This warranty is in lieu of all other warranties, expressed or implied.

Our professional judgment regarding the potential for environmental impacts is based on limited data and our investigation was not intended to be a definitive investigation of contamination at the site. Unless specifically set forth in our proposal, the scope of work did not include

groundwater, soil sampling or other subsurface investigations, a strict compliance audit of the site, or a review of the procedures for hazardous material use, waste storage or handling prior to disposal, or for personnel safety and health training and monitoring procedures, analyzes of radon, formaldehyde, lead paint, asbestos and other hazardous materials or indoor air quality, occupational health and safety or wetlands surveys.

Regarding any subsurface investigation, sampling undertaken or subsurface reports reviewed, our opinions are limited to only specific areas and analytes evaluated and AllWest will not be held accountable for analyte quantities falling below recognized standard detection limits for the laboratory method utilized. AllWest does not warrant or guarantee the subject property suitable for any particular purpose, or certify the subject site as clean or free on contamination. As with any assessment, it is possible that past or existing contamination remains undiscovered.

The professional opinions set forth in this report are based solely upon and limited to AllWest's visual observations of the site and the immediate site vicinity, and upon AllWest's interpretations of the readily available historical information, interviews with personnel knowledgeable about the site, and other readily available information. Consequently, this report is complete and accurate only to the extent that cited reports, agency information and recollections of persons interviewed are complete and accurate.

The opinions and recommendations in this report apply to site conditions and features as they existed at time of AllWest's investigation. They cannot necessarily apply to conditions and features of which AllWest is unaware and has not had the opportunity to evaluate. Future regulatory modifications, agency interpretations, and/or policy changes may also affect the compliance status of the subject property. AllWest has made no attempt to address future financial impacts to the site (e.g., reduced property values) as a result of potential subsurface contaminant migration.

This Phase I Environmental Assessment was prepared for the sole and exclusive use of Hanover R.S. Limited Partnership, the only intended beneficiary of our work. This Report is intended exclusively for the purpose outlined herein and the site location and project indicated and is intended to be used in its entirety. No excerpts may be taken to be representative of the findings of this assessment. The scope of services performed in execution of this investigation may not be appropriate to satisfy other users, and any use or reuse of this document or its findings, conclusions or recommendations presented herein is at the sole risk of the user. This report is not a specification for further work and should not be used to bid out any of the recommendations found within.

By virtue of contract conditions, statute, or regulation, AllWest has performed certain services for this project in light of various standard practices or standard guides (referenced herein) developed by the American Society for Testing and Materials (ASTM) or other similar organizations. Because such standards are, of necessity, based upon a wide array of significant assumptions, AllWest has exercised professional judgement to accommodate the unique site, project, and client involved clients' preferred risk management criteria, and AllWest fundamental duty to preserve and protect public health, safety, and welfare. Any questions in this respect should be addressed to AllWest.

IV. ENVIRONMENTAL ISSUES MATRIX

APN 621-051-33 (24300 Calle De La Louisa, Laguna Hills, California
AllWest Project 25T025.20

ON-SITE ISSUES	LOCATED	REGULATORY COMPLIANCE	MSDS	HAZMAT PERMITS	O&M PROGRAM	REPAIR	WITHIN 1/2 MILE	WITHIN 1 MILE	RECOMMENDED ACTION	REFER TO PAGE
55-Gallon Drums	No									
Above Ground Tanks	No									
Underground Tanks	No									
Evidence of Material Discharge/Release	No									
Transformers (PCBs)	No									
Hazardous Materials	No									
Hazardous Wastes	No									
Asbestos Fireproofing	OSW									
Asbestos Bulk Insulation	OSW									
Asbestos Walls & Ceilings	OSW									
Asbestos Floors	OSW									
Air Quality Issues	No									
Radon	No									
Alquist/Earthquake Zone	No									
Historical Contamination	No									
OFF-SITE ISSUES										
CERCLIS/NPL Sites	No									
RCRA TSD Facilities	No									
DTSC Cal/Sites/SLIC/ Toxic Pits	Yes						X		None	20
LUST	Yes						X		None	17-18
Sensitive Ecological Areas	No									

NOTES: OSW = Outside Scope of Work

IV. SURVEY FINDINGS

A. GENERAL INFORMATION

1. PROPERTY NAME AND ADDRESS: The subject property is a portion of the parking lot at the center of the southwest side of the Laguna Hills Mall in the City of Laguna Hills, California. The subject property is located on the southwest portion of Orange County Assessor Parcel No. 621-051-33 which has an assigned address of 24300 Calle De La Louisa, Laguna Hills, California.

2. ZONING: The subject property is located in a designated commercial land use zone.

3. FACILITY/SITE DESCRIPTION: AllWest visited the subject property on Tuesday, July 12, 2005. The subject property is an asphalt-paved parking lot containing 492 parking stalls and covering approximately 150,000 square feet (3.4 acres) of land area. The parking lot contains landscaped islands at the ends of parking rows and landscaped curbsides at the east and south ends.

   The subject property is part of the parking lot surrounding the Laguna Hills Mall. The subject property is surrounded by retail shops and restaurants of the Laguna Hills Mall to the north, a continuation of the Mall parking lot to the east, Calle De la Louisa to the south, and retail development and parking lot to the west.

4. CURRENT USE OF PROPERTY BY TENANT(S): The subject property is used as auto parking for the Laguna Hills Mall. There are no permanent tenants located on the subject property.

5. HISTORICAL USE OF PROPERTY: Historical documents in the form of aerial photographs, topographic maps, and building records were reviewed by AllWest to evaluate past land use of the site. Historic Sanborn Fire Insurance (Sanborn) map coverage does not exist for the subject property area.

   The historical aerial photographs reviewed were obtained from Environmental Data Resources, Inc. (EDR) and dated 1938, 1946, 1953, 1968, 1977, 1989, 1994, and 2002. Copies of the aerial photographs are included as an appendix to this report. Historical USGS topographic maps covering the subject property area dated 1948, 1968 and 1981 (photorevised) were reviewed.

   No records existed for the subject property at the City of Laguna Hills Building Department. However, according to Mr. Robert Hufnagle, Senior Building Inspector, City of Laguna Hills, the original construction of the

Laguna Hills Mall structures, including surrounding parking lots, began in 1972. The parking lot, including the subject property, has been resurfaced over the years, but no permits were applied for with the City. Mr. Hufnagle has researched the history of the Laguna Hills Mall construction and has not found original permits for the Mall in the City of Laguna Hills' files. Mr. Hufnagle believes the files were lost during the transfer of records from the County of Orange upon the incorporation of the City of Laguna Hills in 1991.

The historic aerial photograph dated 1938, the earliest historical record for the subject property vicinity, shows the subject property part of an agricultural field. An unimproved dirt road runs along the southwest side of the subject property. The subject property remained an agricultural field in the 1946 and 1953 aerial photographs. The unimproved dirt road on the subject property is depicted in the 1948 topographic map. By 1968, the subject property became part of a fallow field. The 1968 topographic map depicts the subject property as undeveloped land.

The 1977 aerial photograph shows the subject property as a parking lot of the fully constructed Laguna Hills Mall. The parking lot is laid out in the same pattern as today. The 1994 aerial photograph shows a section of the parking lot has been removed and is a dirt lot. By 2002, the parking lot has been restored to the fully asphalt-paved surface.

6. CURRENT USE OF THE SURROUNDING PROPERTIES: The subject property is located within an area of commercial, professional, and retail development. The subject property is surrounded by the following adjacent properties:

North:	Laguna Hills Mall
Northeast:	Laguna Hills Mall
Northwest:	Wow/Tower Records/Good Guys store (23451 Calle De La Louisa) and parking lot.
East:	Laguna Hills Mall
Southeast:	A parking lot section of the Laguna Hills Mall
South:	The intersection of Calle De La Louisa and Health Center Drive followed by a two-story medical professional office building (24401 Calle De La Louisa)
Southwest:	Calle De La Louisa followed by the Saddleback Women's Hospital wing of the Saddleback Memorial Medical Center (24421 Health Center Drive).
West:	Calle De La Louisa followed by the Saddleback Medical Tower (24411 Health Center Drive), a five-story professional office building wing of the Saddleback Memorial Medical Center.

7. HISTORICAL USE OF THE SURROUNDING PROPERTIES: The historical documents referenced above were also reviewed to evaluate the historical use of the surrounding properties.

In the 1938 aerial photograph, the surrounding properties were agricultural fields. The surrounding properties remained agriculture through 1968. By 1968 agricultural fields to the northeast, east, southeast, south, and southwest had become fallow. The 1968 aerial; photograph shows a commercial/retail building northwest of the subject property and an associated parking lot to the north. By 1968, Calle De La Louisa and Health Center Drive were improved streets southwest and south of the subject property. The main hospital building of the Saddleback Medical Center is shown in the 1968 aerial photograph and the 1968 topographic map. The 1968 topographic map indicates the subject property area as Laguna Hills.

By 1977, the Laguna Hills Mall had been fully constructed to the north, northwest, and east. The surrounding mall parking lot extended southeast and northwest of the subject property. The commercial/retail building remained to the northwest along Calle De La Louisa. The Saddleback Memorial Medical Center was developed with new construction added to the main hospital building across Calle De La Louisa to the southwest. By 1989, the Saddleback Women's Hospital building and the Saddleback Medical Tower were constructed across Calle De La Louisa southwest of the subject property. By 2002, the Wow/Tower Records/Good Guys store replaced the prior commercial/retail building northwest of the subject property. No significant changes have occurred to the surroundings properties since 2002.

B. PHYSICAL CHARACTERISTICS

1. TOPOGRAPHY: The subject property is located on a relatively flat land area at an approximate elevation of 350 feet above main sea level. The subject property surface slopes slightly downward towards the south.

2. VEGETATION: On-site vegetation consists of landscaped trees and shrubs on parking lot islands and along curbside at the east and south sides. The was no evidence of stressed vegetation on the subject property.

3. SOILS: Surficial soils in the subject property area consist of younger alluvial deposits.

4. GEOLOGY: The subject property is underlain by unconsolidated and semi-consolidated alluvium, lake, playa, and terrace deposits.

5. HYDROLOGY: The subject property is located within the Aliso Creek Watershed of Orange County. This drainage area covers approximately 36 square miles and reaches the Pacific Ocean in southern Laguna Beach. Based on extrapolation of the latest regional groundwater contour map for Fall 2004, published by the Orange County Water District, groundwater in the subject property area is estimated to be at depths of greater than 80 feet below ground surface (bgs). Groundwater flow gradient is generally towards the west.

   A map of historically high groundwater depths for the subject property area published by the California Department of Conservation, Division of Mines and Geology suggests depths to highest groundwater of approximately 20 feet bgs at the subject property. The historically high groundwater map suggest a static groundwater flow to the southeast. A historical-high groundwater map differs from most ground water maps, which show the actual water table at a particular time.

   Surficial water flow would follow the local subject property topography downward to the southeast.

C. NATURAL HAZARDS

1. SEISMICITY: There are no identifies earthquake fault zones within one mile of the subject property. The nearest identified fault zone is the Newport-Inglewood fault located more than 15 miles west. The subject property does not lie within an Alquist-Priolo Special Studies Earthquake zone. The main seismic hazard of the area is liquefaction.

2. RADON: Outgassing of radon has not been identified as a risk in the subject property's zip code area within Orange County. According to the radon database compiled by the California Department of Health Services, no sites out of 19 tested within the vicinity of the subject property had radon levels above 4 pCi/l, the level for which the U.S. EPA recommends that action be taken to reduce radon.

3. SENSITIVE ECOLOGICAL AREAS: Sensitive ecological areas include wetlands rivers or creeks, marsh areas, and land dedicated for open space. There are no federally protected wetlands on or adjacent to the subject property. The nearest protected wetlands is a one (1) acre tract maintained by the City of Laguna Hills within Aliso Creek at its intersection with Paseo De Valencia, approximately ½-mile southeast of the subject property.

4. FLOODING: According to the FEMA Flood Insurance Rate Map for the portion of Orange County covering the subject property, the subject property lies within Zone X, defined as an area determined to be outside the 0.2% annual chance flood plain. A copy of the FEMA Map portion covering the subject property is included as an appendix to this report.

5. MASS WASTING: No physical evidence of mass wasting, such as landslides or ground subsidence, was observed at the subject property.

D. SITE CHARACTERISTICS

1. PARKING: There are 492 designated parking spaces on the subject property.

2. ROADWAYS: The subject property is accessed via an entrance from Calle De la Louisa on the south. A roadway circumnavigating the mall runs along the northeast side of the subject property.

3. FENCES: There is no fencing on the subject property.

4. OUTSIDE STORAGE: There are no exterior storage areas.

5. EASEMENTS: Other than public utilities, there are no recorded easements on the subject property.

6. WELLS: According to the local water purveyor, the El Toro Water District (ETWD), there are no potable water wells in the vicinity of the subject property. ETWD imports all water supplied in its district.

   According to the California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR) Oil Well Map covering the subject property area (*Wildcat Map W1-4, Orange, Riverside and San Bernardino Counties*, dated August, 2001), there are no oil or gas wells on or adjacent to the subject property.

7. SUMPS: There were no sumps observed on the site.

8. CATCH BASINS: There were no catch basins observed on the subject property.

9. PONDS: There are no ponds located on the subject property.

10. SEWAGE SYSTEM: There are no sewer connections emanating from the subject property. The ETWD maintains sewer lines at the end of the

parking rows along the northeast boundary of the subject property and through the northwest portion of the subject property to Calle De La Louisa as part of the sewer service connection for the adjacent Laguna Hills Mall. Five (5) separate sewer manhole covers were observed on the subject property above the sewer line locations. In addition, there are two grease interceptors located along the northeast sewer line permitted through the ETWD for the adjacent Laguna Hills Mall food court. A copy of the ETWD sewer utility map is included as an appendix to this report.

11. POTABLE WATER SYSTEM: There is no potable water system in use on the subject property. The ETWD maintains a 12-inch diameter water pipe beneath the end of the parking rows along the northeast boundary of the subject property. Aboveground features observed during the subject property reconnaissance include two (2) ETWD hydrants and aboveground pipework for backflow detection for the fire prevention system for the adjacent Laguna Hills Mall. In the same area as the backflow detector, the ETWD operates a pipeline "air vac-air" release system. In addition to the above features, four (4) valve locations marked by triangular metal caps were observed on the parking lot surface and in one of the landscaped planters. A copy of the ETWD water utility map is included as an appendix to this report.

12. WASTE WATER SYSTEMS: The subject property does not produce waste water.

13. POWER DISTRIBUTION SYSTEMS: There are presently no electrical power distribution systems on the subject property.

E. HAZARDOUS MATERIALS IN FACILITY AND OPERATIONAL SYSTEMS

1. BUILDING STRUCTURE: There are no building structures located on the subject property.

2. BUILDING MATERIALS: No building materials exist at the subject property.

3. ELECTRICAL SYSTEMS: No electrical systems presently exist at the subject property.

4. MECHANICAL AND HVAC SYSTEMS: No mechanical or HVAC systems presently exist at the subject property.

5. BUILDING EQUIPMENT: There is no building equipment on the subject property.

6. INDUSTRIAL EQUIPMENT: There is no industrial equipment at the subject property.

F. TOXIC AND FLAMMABLE MATERIALS, COMPRESSED GASES, AND PETROCHEMICALS

1. MANUFACTURE/USE: No manufacturing occurs on the subject property. No significant use of hazardous materials occurs at the subject property.

   According to records with the Office fo the State Fire Marshall, there are no petroleum product pipelines in the vicinity of the subject property.

2. STORAGE: There is no storage of hazardous materials on the subject property. There are no records of hazardous materials storage for the subject property on file with the Orange County Fire Authority.

3. DISPOSAL: There is no known disposal of toxic or hazardous materials on the subject property. There were no signs of intentional disposal or accidental spills, such as stained soil.

4. UNDERGROUND STORAGE TANKS: No evidence of current petroleum product or hazardous material underground storage tanks (USTs), such as vent pipes or fill ports, were observed at the subject property. There are no records regarding USTs at the subject property with the Regional Water Quality Control Board. The subject property is not listed on the database of active UST locations maintained by the Orange County Health Care Agency.

5. ABOVEGROUND STORAGE TANKS: There were no aboveground storage tanks observed on the subject property.

G. POLLUTION SOURCES, CONTROLS AND TREATMENT

1. AIR: There are no sources of air pollution located on the subject property.

2. SOIL & GROUNDWATER: The subject property is not a recorded source of soil or groundwater contamination. There is no evidence that the soil or groundwater of the subject property has been contaminated by on-site activities.

3. SOLID WASTE: There is no solid waste generated at the subject property.

4. HAZARDOUS WASTE: There is no hazardous waste generation at the subject property. The subject property is not listed on the database of hazardous waste generators maintained by the Orange County Health Care Agency.

5. MEDICAL WASTE: No medical wastes are produced at the subject property.

H. OFF-SITE ENVIRONMENTAL CONCERNS

To address off-site environmental concerns, AllWest contracted the services of Environmental Data Resources, Inc (EDR®). The purpose of the records search was to assess the potential presence of hazardous substance contamination at the subject site as a result of activities conducted on the subject site and properties within the ASTM designated search distances. A list of the state and federal regulatory databases searched, summary of findings, and detailed records are presented in Appendix A.

The subject property is not listed on any of the regulatory databases searched by EDR. There are 25 regulatory listings identified on active government databases by EDR® within the approximate minimum search distances from the subject site. These sites are listed in Appendix A. Some map locations shown on the Figures refer to more than one site, and some sites are listed multiple times in the EDR report. EDR® listed eight (8) orphan sites (sites whose address is poorly inadequate or incomplete as to render locating the site on a map ineffective) that could be within the approximate minimum search distance. However, AllWest used other sources of information to locate and evaluate the orphan site listed by EDR®, and only one (1) orphan site, JC Penny Company listed at 200 Laguna Hills Mall with an active UST, is located within the search radius. The sites identified by EDR® are tabulated below.

Table 2
Regulatory Database Search Summary

Regulatory List	Search Radius	Number of Sites
NPL	1 mile	None
CERCLIS	½ mile	None
Corracts	1 mile	None
RCRIS-TSD	½ mile	None
RCRIS Generators	¼ mile	8
ERNS	Site & Adjacent	None
AWP	1 mile	None
CalSites	1 mile	None
Notify 65	1 mile	1
Toxic Pits	1 mile	None
State Landfills	½ mile	None
CA Bond Exp. Plan	1 mile	None
LUST	½ mile	6
UST	¼ mile	5
Dry Cleaners	Site & Adjacent	1
CA WDS	Site & Adjacent	None
SLIC	½ mile	1
HAZNET	Site & Adjacent	None

U.S. Environmental Protection Agency: National Priority List (NPL)

The NPL is an U.S. Environmental Protection Agency (USEPA) database listing of the United States worst uncontrolled or abandoned hazardous waste sites. NPL sites are targeted for possible long-term remedial action under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980. In addition, the NPL Report includes information concerning cleanup agreements between the U.S. EPA and potentially Responsible Parties (commonly called Records of Decision, or RODS), any liens filed against contaminated properties, as well as the past and current U.S. EPA budget expenditures tracked within the Superfund Consolidated Accomplishments Plan (SCAP).

The search radius for NPL is one-mile. The subject property is not listed on NPL. There are no NPL sites within one-mile of the subject property.

U.S. Environmental Protection Agency: Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS)

The CERCLIS (Active) database is a comprehensive listing of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated, or are currently under investigation by the U.S. EPA for the release, or threatened release of hazardous substances. Once a site is placed in CERCLIS, it may be subjected to several levels of review and evaluation, and ultimately placed on the National Priorities List (NPL) In addition to site events and milestone dates, the CERCLIS report also contains financial information from the SCAP.

The search radius for CERCLIS is ½ mile. The subject property is not listed on CERCLIS. There are no CERCLIS sites within ½ mile of the subject property.

U.S. Environmental Protection Agency: CERCLIS Archive -No Further Remedial Action Planned Sites

The No Further Remedial Action Planned report (NFRAP) database, also known as the CERCLIS Archive, contains information pertaining to sites which have been removed from the U.S. EPA's CERCLIS Active database. NFRAP sites may be sites where, following an initial investigation, either no contamination was found, contamination was removed quickly without need for the site to be placed on the NPL, or the contamination was not serious enough to require federal Superfund action or NPL consideration.

The search radius for NFRAP is the subject property. The subject property is not listed on NFRAP.

U.S. Environmental Protection Agency: Resource Conservation and Recovery Act Information System (RCRIS) Corrective Action (CORRACTS) Facilities

The RCRIS CORRACTS contains information pertaining to hazardous waste treatment, storage, and disposal facilities (RCRA TSDs) which have conducted, or are currently conducting, a corrective action(s) as regulated under the Resource Conservation and Recovery Act. The following information is included within the CORRACTS:

- Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS);
- Inspections & evaluations conducted by Federal and state agencies;
- All reported facility violations, the environmental statute(s) violated, and any proposed & actual penalties; and
- Information pertaining to corrective actions undertaken by the facility or U.S. EPA.

The search radius for CORRACTS is one mile. The subject property is not listed on CORRACTS. There are no CORRACTS sites within one mile of the subject property:

U.S. Environmental Protection Agency: Resource Conservation and Recovery Act Information System (RCRIS) Treatment, Storage, and Disposal (TSD) Facilities

The RCRIS-TSD is an U.S. EPA listing of facilities that were permitted under RCRA to perform on-site treatment, storage, or disposal of hazardous wastes. The sites listed in RCRIS-TSD do not necessarily pose an environmental threat to the surrounding properties because the TSD permit imposes stringent monitoring and reporting requirements. The following information is also included in the RCRIS TSD database:

- Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS);
- Inspections & evaluations conducted by federal and state agencies; and
- All reported facility violations, the environmental statute(s) violated, and any proposed & actual penalties.

The search radius for RCRIS-TSD is ½ mile. The subject property is not listed as a RCRIS-TSD facility. There are no RCRIS-TSD sites located within ½ mile of the subject property:

U.S. Environmental Protection Agency: Resource Conservation and Recovery Act Information System (RCRIS) Generator List

The RCRIS generators list is an US EPA listing of facilities that generate hazardous wastes or meet other applicable waste generating requirements under RCRA. The sites listed in RCRIS Generator List have not necessarily released hazardous waste into the environment or pose an environmental threat to the surrounding properties. These listed sites are required to properly contain the wastes generated and remove their wastes from the site within 90 days. Furthermore, the facilities that report waste generation activities are more inclined to perform the required monitoring.

The search radius for RCRIS generator list is ¼ mile. The subject site was not listed on the RCRIS generators list. There are eight (8) separate small quantity hazardous waste generator sites identified within a ¼ mile of the subject site.

Name	Address	Distance	Groundwater Gradient
Sears-Laguna Hills	*24300 Laguna Hills Mall*	*1/8 mile SE*	*down-gradient*
Saddleback CT/MRI	*23961 Calle De La Magda*	*>1/8 mile W*	*cross-gradient*
Saddleback Valley Radiology	*23961 Calle De La Magda*	*>1/8 mile W*	*cross-gradient*
Laguna Hills Cleaners	23521 *Calle De La Louisa*	*>1/8 mile NW*	*up-gradient*
Time-O-Max 1 Hr Photo	24199 Laguna Hills Mall	*>1/8 mile NNW*	*up-gradient*
Saddleback Outpatient X-Ray	24411 Health Ctr Dr	*300 feet S*	*down-gradient*
Saddleback Breast Ctr	24421 Health Ctr Dr	*300 feet S*	*down-gradient*
Saddleback Hospital	24451 Health Ctr Dr	*1/8 mile SSW*	*down-gradient*

The above listed hazardous waste generator sites are considered to have a low potential of environmental impact to the subject property resources due the type of regulatory listing, location with respect to topographic or ground water gradients, and/or distance from the subject property.

U.S. Environmental Protection Agency: **Emergency Response Notification System (ERNS) List**

The Emergency Response Notification System (ERNS) list is a U.S. EPA maintained list of reported incidents that concerning the sudden and/or accidental release of hazardous substances, including petroleum, into the environment.

The search radius for ERNS is the subject site and adjacent properties. The subject site is not listed on the ERNS list. There are no listed ERNS incidents which occurred on properties adjacent to the subject property.

California Department of Toxic Substances Control (DTSC): CalSites Active Annual Workplan (AAW) Sites

The CalSites-AAW is a California Department of Toxic Substances Control (DTSC) listing of hazardous waste sites that are included in the DTSC Active Annual Workplan (AAW) program.

The search radius for CalSites-AAW is one mile. The subject property is not listed on CalSites-AAW. There are no CalSites-AAW sites located within one mile of the subject property.

DTSC: CalSites List

The CalSites list is a DTSC listing of sites that are potential or confirmed hazardous substance release properties. The search radius for CalSites is one mile.

The subject property is not listed on the CalSites list. There are no CalSites properties located within one-mile of the subject property.

California State Water Resources Control Board, Proposition 65 Records (Notify 65)
The Notify 65 database contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk. The search radius for Notify 65 is one mile.

The subject property is not listed on TPCA site list. There is one (1) Notify 65 site located within one mile of the subject property.

Name	Address	Distance	Groundwater Gradient
Los Alisos & Santa Ana Pkwy	*None*	*½ mile E*	*cross-gradient*

The above listed Notify 65 site is considered to have a low potential of environmental impact to the subject property resources due the location with respect to topographic and ground water gradients, and distance from the subject property.

California Department of Toxic Substances Control: Toxic Pits Cleanup Act Sites (Toxic Pits) The TPCA is a California Department of Toxic Substances Control (DTSC) listing of hazardous waste cleanup sites regulated pursuant to the California Toxic Pits Cleanup Act (Toxic Pits). The search radius for TPCA is one mile.

The subject property is not listed on TPCA site list. There are no Toxic Pits sites located within one mile of the subject property.

California Integrated Waste Management Board: Solid Waste Information System (SWF/LF) Facilities

The SWF/LF is a California Integrated Waste Management Board (CIWMB) listing of all permitted active, inactive, or closed landfills. The search radius for SWF/LF is ½ mile. The subject property is not listed on SWF/LF list. There are no SWF/LFsites within ½ mile of the subject property.

California Regional Water Quality Control Board: Leaking Underground Storage Tanks (LUST)

The LUST is a California Regional Water Quality Control Board (RWQCB) listing of sites that have reported leaking underground storage tanks. A site may be listed on LUST by reporting that the tank system(s) failed tank testing, that routine monitoring of tank system(s) showed evidence of leakage, or that verification sampling during tank removal showed subsurface contamination. The search radius for the LUST list is one-half mile.

The subject property is not listed on the LUST list. There are six (6) separate LUST sites identified within a ½ mile radius of the subject property.

Name	Address	Distance	Groundwater Gradient
Shell #23971 (Shell Oil Co)	*23971 El Toro Road*	*1/4 mile NW*	*upgradient*
Former Arco Facility No. 3079	*24012 Avenida De La Carlota*	*1/4 mile N*	*cross-gradient*
Wright Petroleum	23991 *El Toro Road*	*3/8 mile NW*	*up-gradient*
Home Federal Savings	23941 El Toro Road	*3/8 mile NNW*	*up-gradient*
Orange County Fire Station #22	24001 Paseo De Valencia	*3/8 mile NW*	*up-gradient*
Chevron Service Station #9-0141	23891 Bridger Road	*½ mile N*	*cross-gradient*

The Shell Service Station at 23971 El Toro Road was reported in 1989 with a leak from the piping associated with a gasoline UST which affected a drinking water aquifer. Groundwater at the site was found to be at depths between 13 and 17 feet below ground surface with a flow gradient toward the southwest. A preliminary assessment of the site began in February, 1990 and included the installation of monitoring wells. Free product was still found in one monitoring well on-site as of January, 1996. Dissolved benzene was detected at 10,193 parts per billion (ppb) in January, 1996. MTBE was also detected at the site after testing performed in 2002. After a pollution characterization was performed in October, 2004, remedial actions began in November, 2004. Remedial actions at the Shell Service Station are listed as the removal of free product from the water table, vapor extraction, and pump and treat of groundwater. Contaminated soil was excavated and disposed of at an approved site. MTBE testing was performed in January, 2005, and an MTBE concentration of 8,900 ppb remained in groundwater

at the site. The Shell Oil Company is the identified responsible party performing the remedial action.

The Shell Service Station site was also reported with a leaking waste oil UST in 1965. However, that case has been considered closed by the oversight agency since 1987.

The Shell Service Station site is expected to have a low potential for impact to resources beneath the subject property based on distance and gradient considerations. The localized groundwater contaminant plume was determined from monitoring wells on the site to be toward the southwest, in a more cross-gradient direction to the subject property. The site is undergoing remedial actions by an identified responsible party under the direction of the RWQCB. According to records with the ETWD, local groundwater is no longer a source of public drinking water in the area.

Each of the remaining LUST sites identified are more than ¼-mile and not upgradient from the subject property. The above listed LUST sites are considered to have a low potential of environmental impact to the subject property resources due one or more of the following: the status assigned to the case is closed, remediation actions ongoing under the direction of the regulatory agency, location with respect to topographic or ground water gradients, and/or distance from the subject property.

California Department of Health Services: Bond Expenditure Fund (BEP)

Beginning in 1989 until 1994, the Department of Health Services developed a site-specific expenditure plan as the basis for the appropriation of Hazardous Substance Cleanup Bond Act funds. The plan is not updated.

The search radius for the CA BEP is one mile. The subject site is not listed on the BEP. There are no BEP sites listed within a one mile radius of the subject property.

California Water Resources Control Board: Registered Underground Storage Tank (UST) List

The California Water Resources Control Board Underground Storage Tank Program maintains a list of registered underground storage tanks (UST) of the site area. The sites listed on the UST list have not necessarily released hazardous substances into the environment or pose environmental threat to the surrounding properties. Since Federal and California UST regulations require periodic monitoring for UST leakage and the immediate reporting of evidence of UST leakage, only those sites listed on leaking underground storage tanks (LUST) have the potential of environmental impact. The search radius for the UST list is ¼ mile.

The subject property is not listed on the UST list. There are four (4) UST sites listed and one (1) orphan UST site identified within a ¼-mile radius of the subject property.

Name	Address	Distance	Groundwater Gradient
Saddleback Valley Medical Center	*23961 Calle De La Magda*	*1,000 feet WSW*	*cross-gradient*
Laguna Hills Cleaners	*23521 Calle De La Louisa*	*1,000 feet NW*	*upgradient*
The Tire Station	24196 Laguna Hills Mall	*1,000 feet NNW*	*upgradient*
Saddleback Memorial Medical Ctr	24451 Health Center Dr	*1/8 mile S*	*down gradient*
JC Penney Co. Inc.	200 Laguna Hills Mal	*1,000 feet N*	*upgradient*

None of the UST sites are adjacent to the subject property. The above listed UST sites are considered to have a low potential of environmental impact to the subject property resources due one or more of the following: the type of regulatory listing, location with respect to topographic or ground water gradients, and/or distance from the subject property.

California Department of Toxic Substances Control, Cleaner Facilities (CLEANERS)

The CLEANERS database is a list of drycleaner related facilities that have EPA ID numbers. The search radius for the CLEANERS list is ¼ mile.

The subject site is not listed on the CLEANERS list. There is one (1) CLEANERS site identified within ¼ mile radius of the subject property.

Name	Address	Distance	Groundwater Gradient
Laguna Hills Cleaners	*23521 Calle De La Louisa*	*1,000 feet NW*	*upgradient*

The last hazardous waste manifest listing for this business is dated 1995. The same business is listed as a small quantity hazardous waste generator with no violations found. The CLEANERS listing is considered to have a low potential of environmental impact to the subject property resources due to the dated nature of the database information and the distance from the subject property.

California Regional Water Quality Control Board: Spills, Leaks, Investigations, and Cleanup (SLIC)

The SLIC is a California Regional Water Quality Control Board (RWQCB) listing of sites that have reported spills, leaks, investigative activities, and/or cleanup actions. The search radius for SLIC list is ½ mile.

The subject property is not listed on the SLIC list. There is one (1) SLIC site listed within ½ mile of the subject property.

Name	Address	Distance	Groundwater Gradient
Park Cleaners	*24191 Paseo De Valencia*	*1/4 mile W*	*cross gradient*

A potential release of PCE from this site was assessed in 1992. The facility status is listed as closed. The SLIC listing is considered to have a low potential of environmental impact to the subject property resources due to the regualtiory agency oversight and revioew of the site assessment, and the distance from the subject property.

Summary

In summary, the agency database search found no sites that may have impacted the groundwater beneath the subject site. In the event the subject property is impacted by off-site sources, it is *AllWest's* opinion that regulatory agencies are unlikely to require the subject property owners to participate in remediation activities as a result of the off-site contamination site(s).

VI. INFORMATION SOURCES

A. HISTORICAL SOURCES

Aerial Photographs

Environmental Data Resources, Inc. (EDR), Aerial Photography Print Service, Southport, Connecticut. Photographs dated 1938, 1946, 1953, 1968, 1977, 1989, 1994 and 2002 were reviewed.

Topographic Maps

United States Geologic Survey (USGS) 7.5 Minute Topographic Map Quadrangle, San Juan Capistrano, California. Topographic maps for the years 1948, 1968 and 1981 (photorevised) were reviewed.

B. AGENCY DATABASES

EDR®-Radius Map Report, Calle De La Louisa/Health Center Drive, Laguna Hills, California 92653, July 8, 2005, Environmental Data Resources, Inc., Southport, Connecticut.

National Priorities List (NPL), April 2005, United States Environmental Protection Agency (U.S. EPA).

Comprehensive Environmental Response, Compensation and Liability Act Information System (CERCLIS), February 2005, U.S. EPA.

CERCLIS No Further Remedial Action Planned Sites (CERCLIS-NFRAP**),** March 2005, U.S. EPA.

Corrective Action (CORRACTS) Facilities, March 2005, U.S. EPA.

Resource Conservation and Recovery Information System (RCRIS), Treatment Storage and Disposal (TSD) Facilities list, May 2005, U.S. EPA.

RCRIS, Hazardous Waste Generators, May 2005, U.S. EPA.

Emergency Response Notification System (ERNS) List, December 2004, United States Coast Guard.

Annual Workplan Sites (AWP), May 2005, California Department of Toxic Substances Control (DTSC).

CalSites Database, May 2005, DTSC.

Toxic Pits Cleanup Act Sites, July 1995, State Water Resources Control Board.

Active, Closed and Inactive Landfills, Solid Waste Information System (SWF/LF), March 2005, California Integrated Waste Management Board.

Leaking Underground Storage Tank Incident Reports (LUST), May 2005, State Water Resources Control Board.

Active Underground Storage Tank (UST) List, April 2005, State Water Resources Control Board.

Facility Inventory Database (CA FID UST), October 1994, State Water Resources Control Board.

Historic Hazardous Substance Container List (HIST UST), October 1990, State Water Resources Control Board.

Cleaner Facilities List, March 2005, DTSC.

Waste Discharge System (CA WDS), March 2005, State Water Resources Control Board.

Active Toxic Site Investigations (SLIC), September 2004, RWQCB.

Hazardous Waste Information System (HAZNET), December 2002, DTSC.

C. ENVIRONMENTAL STUDIES

Alquist-Priolo Special Studies Zones Act, Special Publication No. 42, 1997, California Division of Mines and Geology.

Flood Insurance Rate Map, Orange County, California, Community Panel Number 06059C0427H, February 2004, Federal Emergency Management Agency (FEMA).

Geologic Map of California, 1991, California Geologic Survey.

Groundwater Elevation Contours in the Principal Aquifer Zones, Southeast Quadrant, Orange County Water District, November 2004.

Seismic Hazard Zone Report for the San Juan Capistrano 7.5 Minute Quadrangle, Orange County, California, California Department of Conservation, Division of Mines and Geology, 2001.

Radon Database for California, 2002, California Department of Health Services.

Regional Wildcat Map W1-4, Orange, Riverside, San Bernardino Counties, August 2001, California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR).

Wetlands of Orange County, California, Orange County Public Facilities and Resources Department, Watershed & Coastal Resources Division.

D. ZONING & BUILDING

City of Laguna Hills Building Department, 24035 El Toro Road, Laguna Hills, California 92653, Mr. Robert E. Hufnagle, Senior Building Inspector, (949) 707-2661; personal communication.

City of Laguna Hills Community Development Department, 24035 El Toro Road, Laguna Hills, California 92653, (949) 707-2661.

Orange County Assessor's Office, 630 N. Broadway, Building 12, Santa Ana Civic Center, Room142, Santa Ana, California 92705, (714) 834-2727; personal records review.

E. ENVIRONMENTAL HEALTH

Orange County Health Care Agency, Environmental Health Division, 1241 E. Dyer Road, Suite 120, Santa Ana, California, 92705 (714) 433-6000; Written Request For Information, July 2005.

F. WATER QUALITY

El Toro Water District, 24251 Los Alisos Boulevard, Lake Forest, California 92630, Mr. Brian Miller, Engineering Associate Coordinator, (949) 837-7050; via telephone and electronic mail.

California Regional Water Quality Control Board, San Diego Region, 9174 Sky Park Court, Suite 100, San Diego, California; Ms. Sylvia Wellnitz (858) 637-5593; via facsimile.

G. HAZARDOUS MATERIALS

Orange County Health Care Agency, Environmental Health Division, 1241 E. Dyer Road, Suite 120, Santa Ana, California, 92705 (714) 433-6000; Written Request For Information, July 2005.

Orange County Fire Authority, 1 Fire Authority Road, Irvine, California 92602, Ms. Robin Nelson-Glotfelty (714) 573-6040; via facsimile.

Office of the State Fire Marshall, Pipeline Safety Division, P.O. Box 944246, Sacramento, California 94244-2460, Ms. Lisa Dowdy, Research Analyst I, (916) 445-8477; via facsimile and electronic mail.

H. AIR QUALITY

South Coast Air Quality Management District, 21865 Copley Drive, Diamond Bar, California; Linda L. Mills, Public Records Coordinator (909) 396-2000; via facsimile and mail.

23276

DUPLICATE

sheet 1 of 5 sheets

TRACT NO. 6106

897

ACCEPTED AND FILED
MAR 2 1967 AT 8 AM
AT REQUEST OF
TITLE INS. & TRUST CO.
ORANGE COUNTY RECORDS
J. WYLIE CARLYLE, County Recorder
$13.00

IN UNINCORPORATED TERRITORY OF THE COUNTY OF ORANGE - STATE OF CALIFORNIA

A portion of Lot 2 of Tract 5061 as shown on a map of said tract recorded in Book 183, pages 4-8 of *Miscellaneous Maps*, Records of Orange County, California, and a portion of Section 34, Township 6 South, Range 8 West, of the San Bernardino Meridian in Orange County California, According to an official Plat of said land filed in the District Land Office on Jan 1, 1874

11 LOTS and LOTS A, B, C, D, E, F, G, and H **64.560 ACRES**

DONALD L. VAN BOGART
REGISTERED CIVIL ENGINEER NO. 10363

JANUARY 1967

We, the undersigned, being all parties having any record title interest in the land covered by this map, do hereby consent to the preparation and recordation of said map as shown within the blue colored border line, *and we hereby offer for dedication to the public, EL TORO ROAD and PASEO DE VALENCIA for highway purposes.*
We do not offer for dedication, Lots A, B, C, D, E, F, G, and H said lots being intended for the exclusive use of the lot owners in the subdivision

Lots A, B, C, D, E, F, G, and H are not of sufficient Rights of Way or improved to County Standards and are therefore not acceptable as Public Streets.

ROSS W. CORTESE, a married man, and M.E. WARD a married man as his separate property, doing business as C. and W. Company a joint venture

Ross W. Cortese — ROSS. W. CORTESE
M.E. Ward — M.E. WARD

Alona Marlowe Cortese
ALONA MARLOWE CORTESE, wife of Ross W. Cortese

ROSSMOOR CORPORATION, a corporation, record holders
A.R. Ceresa — Vice President
Luf J. Hillman — Ass't. Secretary

UNITED CALIFORNIA BANK, *a corporation, trustee under deed of trust recorded June 8, 1964 in book 7077 page 433, Official Records, July 29, 1964 in book 7153 page 263, Official Records and July 13, 1966 in book 7988 in book 7988 page 381, Official Records.*
E.C. Thayer — Ass't Vice President
H.E. Penner — Ass't Secretary

RAMPART INVESTMENT COMPANY, a corporation, trustee under deed of trust recorded August 17, 1966 in book 8021 page 149, Official Records.
P.E. Nelson
Vice President

TITLE INSURANCE and TRUST COMPANY, a corporation trustee under deed of trust recorded September 3, 1964 in book 7206 page 748, Official Records.
Verne A. Rodgers
Ass't Secretary
Verne A. Rodgers

GOLDEN RAIN FOUNDATION OF LAGUNA HILLS a corporation, lessee under unrecorded lease, disclosed by instrument recorded July 29, 1964 in book 7153 page 267 Official Records
R.L. Price — PRESIDENT
H.T. Jones — Ass't Secretary

STATE OF CALIFORNIA } S.S.
COUNTY OF ORANGE
On this 19th day of JAN. 1967 before me MARGUERITE FREEMAN a Notary Public in and for said county and state, personally appeared ROSS W. CORTESE and M.E. WARD known to me to be all of the joint venturers of the joint venture that executed the within instrument and acknowledged to me that they executed the same both individually and as joint venturers of said joint venture and that said joint venture also executed the same
My Commission Expires June 5th, 1970
Marguerite Freeman
Notary Public in and for said County and State

STATE OF CALIFORNIA } S.S.
COUNTY OF ORANGE
On this 19TH day of JANUARY 1967, before me MARGUERITE FREEMAN a Notary Public in and for said county and state personally appeared ALONA MARLOWE CORTESE known to me to the person whose name is subscribed to the within instrument and acknowledge that she executed the same.
My Commission Expires June 5th, 1970
Marguerite Freeman
Notary Public in and for said County and State

STATE OF CALIFORNIA } S.S.
COUNTY OF ORANGE

On this 19TH day of JANUARY 1967 before me MARGUERITE FREEMAN a Notary Public in and for said County and State personally appeared A.R. CERESA known to me to be the Vice President and LUF J. HILLMAN known to me to be the Assistant Secretary of ROSSMOOR CORPORATION, a corporation, the corporation that executed the within instrument and known to me to be the persons that executed the within instrument on behalf of the corporation therein named and acknowledged to me that such corporation executed the same
My Commission Expires JUNE 5th, 1970
Marguerite Freeman
Notary Public in and for said County and State

STATE OF CALIFORNIA } S.S.
COUNTY OF LOS ANGELES

On this 21st day of February 1967 before me Laurence J. Zwisohn a Notary Public in and for said County and State personally appeared E.C. Thayer known to me to be the Assistant Vice President and H.E. Penner known to me to be the Assistant Secretary of UNITED CALIFORNIA BANK, a corporation, the corporation that executed the within instrument and known to me to be the persons that executed the within instrument on behalf of the corporation therein named and acknowledged to me that such corporation executed the same
My Commission Expires
LAURENCE J. ZWISOHN
My Commission Expires June 12, 1970
June 15th, 1970 Notary Public in and for said County and State

LAURENCE J. ZWISOHN
NOTARY PUBLIC - CALIFORNIA
PRINCIPAL OFFICE IN
LOS ANGELES COUNTY

NOTE: THE NOTARY PUBLIC CERTIFICATE FOR RAMPART INVESTMENT COMPANY IS SHOWN ON SHEET No 2

I, DONALD L. VAN BOGART hereby certify that I am a Registered Civil Engineer No. 10363 of the State of California and that this map consisting of 5 sheets, correctly represents a true and complete survey made under my direction in January, 1967, that the monuments are of the character and occupy the positions indicated or will be set in position one year from the date of recording and that said monuments are sufficient to enable the survey to be retraced.
Donald L. Van Bogart
REGISTERED CIVIL ENGINEER NO. 10363

I, ALLEN S. KOCH, County Surveyor of Orange County, California do hereby certify that I have examined this map and have found it to be substantially the same as the tentative map filed amended and approved by the Orange County Planning Commission, that all provisions of the Subdivision Map Act and County Subdivision Regulations have been complied with and I am satisfied said map is technically correct.
Dated this 1st day of Mar 1967
Allen S. Koch
County Surveyor
by Robert V. Wise
Deputy County Surveyor

STATE OF CALIFORNIA } S.S.
COUNTY OF ORANGE

I, W. E. ST. JOHN, County Clerk of Orange County do hereby certify to the County Recorder of Orange County that the provisions of the Subdivision Map Act have been complied with regarding deposits to secure payment of taxes and special assessments collected as taxes on the land covered by this map.
Dated this 28th day of February 1967
W. E. St. John
County Clerk of Orange County
by Diane Keyes
Deputy County Clerk of Orange Co.

STATE OF CALIFORNIA } S.S.
COUNTY OF ORANGE

I, W.E. ST. JOHN, County Clerk and Ex-Officio Clerk of the Board of Supervisors of said Orange County do hereby certify that this map was presented for approval of the Board of Supervisors of the said County of Orange at a regular meeting thereof held on the 28th day of February 1967 and that thereupon, said Board did by an order duly passed and entered, approve said map *and did accept on behalf of the public the offer of dedication of EL TORO ROAD and PASEO DE VALENCIA for highway purposes.*
Dated this 28th day of February, 1967
W.E. ST JOHN
County Clerk and Ex-Officio Clerk of the Board of Supervisors
by Diane Keyes
Deputy

STATE OF CALIFORNIA } S.S.
COUNTY OF ORANGE

I, DON S. MOZLEY, County Tax Collector and Redemption Officer of said County of Orange, do hereby certify that according to the records of my office there are no liens against the land shown on this Map or any part thereof for unpaid State or County taxes or special assessments collected as taxes

Dated this 23rd day of Feb. 1967
DON S. MOZLEY
County Tax Collector and Redemption Officer of Orange Co.
by W E Markle
Deputy

STATE OF CALIFORNIA } S.S.
COUNTY OF ORANGE

On this 21st day of FEBRUARY 1967 before me Dora Dunlap a Notary Public in and for said County and State personally appeared Verne A. Rodgers Known to me to be the Assistant Secretary of TITLE INSURANCE AND TRUST COMPANY a corporation, the corporation that executed the within instrument and known to me to be the person that executed the within instrument on behalf of the corporation therein named and acknowledged to me that such corporation executed the same
My Commission Expires Oct. 22, 1967
Dora Dunlap
Notary Public in and for said County and State

STATE OF CALIFORNIA } S.S.
COUNTY OF ORANGE

On this 1st day of FEBRUARY 1967 before me MARGUERITE FREEMAN a Notary Public in and for said County and State personally appeared R.L. PRICE known to me to be the PRESIDENT and H.T. JONES known to me to be the ASST SECRETARY of GOLDEN RAIN FOUNDATION of LAGUNA HILLS a corporation, the corporation that executed the within instrument and known to me to be the persons that executed the within instrument on behalf of the corporation therein named and acknowledged to me that such corporation executed the same
My Commission Expires JUNE 5, 1970
Marguerite Freeman
Notary Public in and for said County and State

232/6

DUPLICATE

TRACT NO. 6106

IN UNINCORPORATED TERRITORY OF THE COUNTY OF ORANGE - STATE OF CALIFORNIA

Donald L. Van Bogart
R.C.E. No. 10363
JAN. 1967

897

ACCEPTED AND FILED
MAR 2 1967 AT 8 AM
AT REQUEST OF
TITLE INS. & TRUST CO.
ORANGE COUNTY RECORDS
J. WYLIE CARLYLE, County Recorder
$13.00

SIGNATURE OMISSIONS

UNDER THE PROVISIONS OF THE SUBDIVISION MAP ACT THE FOLLOWING SIGNATURES HAVE BEEN OMITTED

FIRST WESTERN BANK AND TRUST COMPANY, a corporation and ROSSMOOR CORPORATION, a corporation, owners of certain oil, gas and other hydrocarbon substances and mineral rights reserved in the deeds recorded December 4, 1961 in book 5931 page 586, Official Records and re-recorded December 11, 1961 in book 5939 page 534 Official Records, recorded April 2 1965 in book 7468 page 73, Official Records, and recorded September 18, 1964 in book 7224 page 967, Official Records.

UNITED CALIFORNIA BANK, a corporation, lessee under unrecorded lease, disclosed by memo of lease recorded November 12, 1964 in book 7297 page 17, Official Records.

ALPHA BETA ACME MARKETS INCORPORATED, a corporation, lessee under unrecorded lease, disclosed by memo of lease recorded December 30, 1964 in book 7364 page 324, Official Records.

UNION OIL COMPANY OF CALIFORNIA, a corporation, lessee, under unrecorded lease, disclosed by memo of lease recorded February 5, 1965 in book 7405 page 886, Official Records.

COUNTY OF ORANGE, holder of easements by deeds recorded November 1, 1963 in book 6787 page 713, Official Records, recorded August 18, 1964 in book 7183 page 769, Official Records, and recorded August 17, 1965 in book 7633 page 606, Official Records.

ROSSMOOR WATER COMPANY, a corporation, holder of easements by deed recorded January 15, 1964 in book 6885, page 70, Official Records and recorded August 13, 1965 in book 7630 page 541, Official Records.

GORDON L. GREEN and ELINOR P. GREEN, lessees under unrecorded lease, disclosed by instrument recorded August 17, 1966 in book 8021 page 164, Official Records.

BYRON D. KINSMAN and MARGARET KINSMAN, lessees under unrecorded lease, disclosed by instrument recorded August 17, 1966 in book 8021 page 164, Official Records.

WILSON A. LONDEREE, MILDRED LONDEREE, W. B. BUETHE and MARILYN S. BUETHE, lessees under unrecorded lease, disclosed by instrument recorded August 17, 1966 in book 8021 page 164, Official Records.

ROSS W. CORTESE and M.E. WARD, doing business as C&W Company holder of an easement by deed recorded August 17, 1966 in book 8021 page 184, Official Records.

ROSSMOOR SANITATION INCORPORATED, a corporation, holder of easements by deed recorded January 15, 1964 in book 6885 page 72, Official Records and recorded June 14, 1965 in book 7555 page 16, Official Records.

SOUTHERN COUNTIES GAS COMPANY OF CALIFORNIA, a corporation, holder of easements by deeds recorded September 16, 1964 in book 7221 page 727, Official Records, recorded October 12, 1964 in book 7257 page 314, Official Records and recorded February 24, 1965 in book 7423 page 957, Official Records.

GRATIN BIDART AND YVONNE BIDART, holder of an easement recorded April 2, 1965 in book 7468 page 297, Official Records

FIRST WESTERN BANK AND TRUST COMPANY a corporation, holder of an easement recorded April 2, 1965 in book 7469 page 49, Official Records in as much as said ownership does not include a right of entry on the surface of the land.

SOUTHERN CALIFORNIA EDISON COMPANY a corporation, holder of easements by deeds recorded September 3, 1965 in book 7655 page 301 Official Records and recorded November 4, 1965 in book 7729 page 120, Official Records.

THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY, a corporation, holder of easements by documents recorded September 3, 1965 in book 7656 page 227, Official Records, September 27, 1965 in book 7681 page 71, Official Records, and recorded November 12, 1965 in book 7738 page 924, Official Records.

RAY DOCTOR and HELEN DOCTOR, lessees under unrecorded lease, disclosed by instrument recorded August 17, 1966 in book 8021 page 164, Official Records.

ROLF ENGEN and JEAN L. ENGEN, lessees under unrecorded lease, disclosed by instrument recorded August 17, 1966 in book 8021 page 164, Official Records.

RALPH MORRIS, lessee under unrecorded lease, disclosed by instrument recorded August 17, 1966 in book 8021 page 184, Official Records.

STATE OF CALIFORNIA
COUNTY OF LOS ANGELES } *S.S.*

On this 21st day of Feb 1967, before me Josephine Dewitt Notary Public in and for said County and State personally appeared R.E. Holmes known to me to be the Vice-President of RAMPART INVESTMENT COMPANY, a corporation, the corporation that executed the within instrument and known to me to be the person that executed the within instrument on behalf of the corporation therein named and acknowledged to me that corporation executed the same.

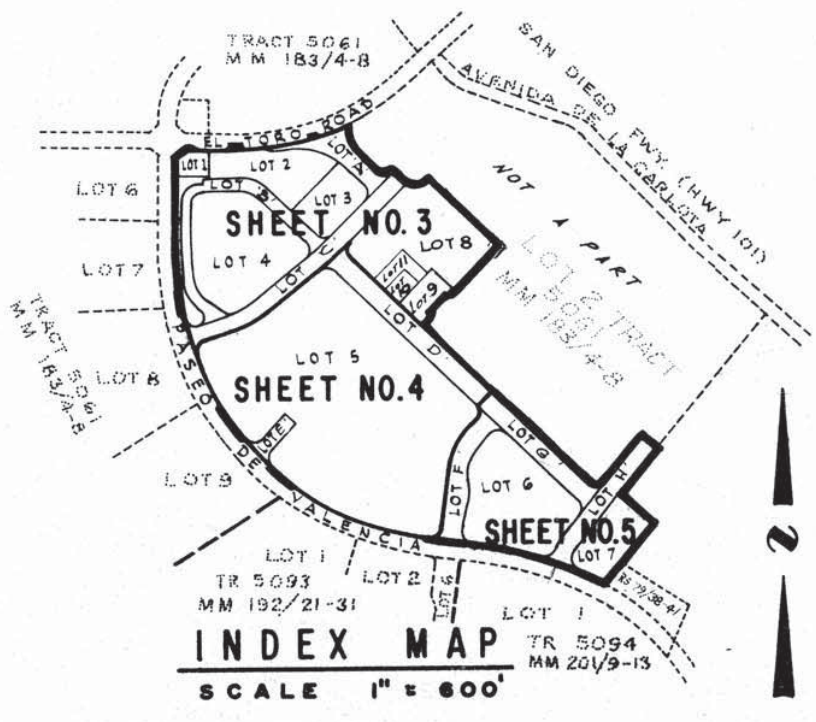
My Commission Expires
March 15, 1967

Josephine De Witt
Notary Public in and for said County and State

JOSEPHINE DeWITT
NOTARY PUBLIC-CALIFORNIA
PRINCIPAL OFFICE IN
LOS ANGELES COUNTY

MONUMENT NOTES:

1. Set 2" I.P. tagged R.C.E. 10363 4" below surface at all tract corners unless otherwise noted. Shown thusly: —o—
2. Set 3/4" I.P. tagged R.C.E. 10363 at all lot corners except as indicated on the map sheets where L&T tagged R.C.E. No 10363 will be set in foundations of blackwalls or in sidewalks.
3. Set 2" I.P. tagged R.C.E. 10363 4" below surface and S&T on surface at all intersections, beginning and end of curves, terminations and other points of control of street centerlines of private streets.
4. Ties to centerline monuments will be made and a copy of said ties will be furnished to the County Surveyor.
5. All monuments other than 2" I.P.'s found on this tracts border shall be replaced with a 2" I.P. tagged R.C.E. 10363
6. Found Monument, Type as indicated, tagged R.C.E. 10363 per Record of Survey, Records of Orange County in Book 79, pages 38-41 shown thusly: —●—



INDEX MAP

SCALE 1" = 600'

BASIS OF BEARINGS

A portion of the Northerly Boundary of Lot 2, Tract 5061, being N 87° 34' 35" W. 146.69' as shown on a map recorded in Book 183 pages 4-8 of *Miscellaneous Maps Records* of Orange County, California.

STREET NAME INDEX

LOT 'A' CIRCA DEL ROSARIO
LOT 'B' RONDA DEL ROSSMOOR
LOT 'C' CALLE DE LA PLATA
LOT 'D' CALLE DE LA LOUISA
LOT 'E' CALLE DE LA MAGDALENA
LOT 'F' VIA ESTRADA
LOT 'G' CALLE DE LA LOUISA
LOT 'H' CALLE DE LOS CABALLEROS

232/8

SCALE: 1" = 80'

DUPLICATE

SHEET 3 OF 5 SHEETS

897

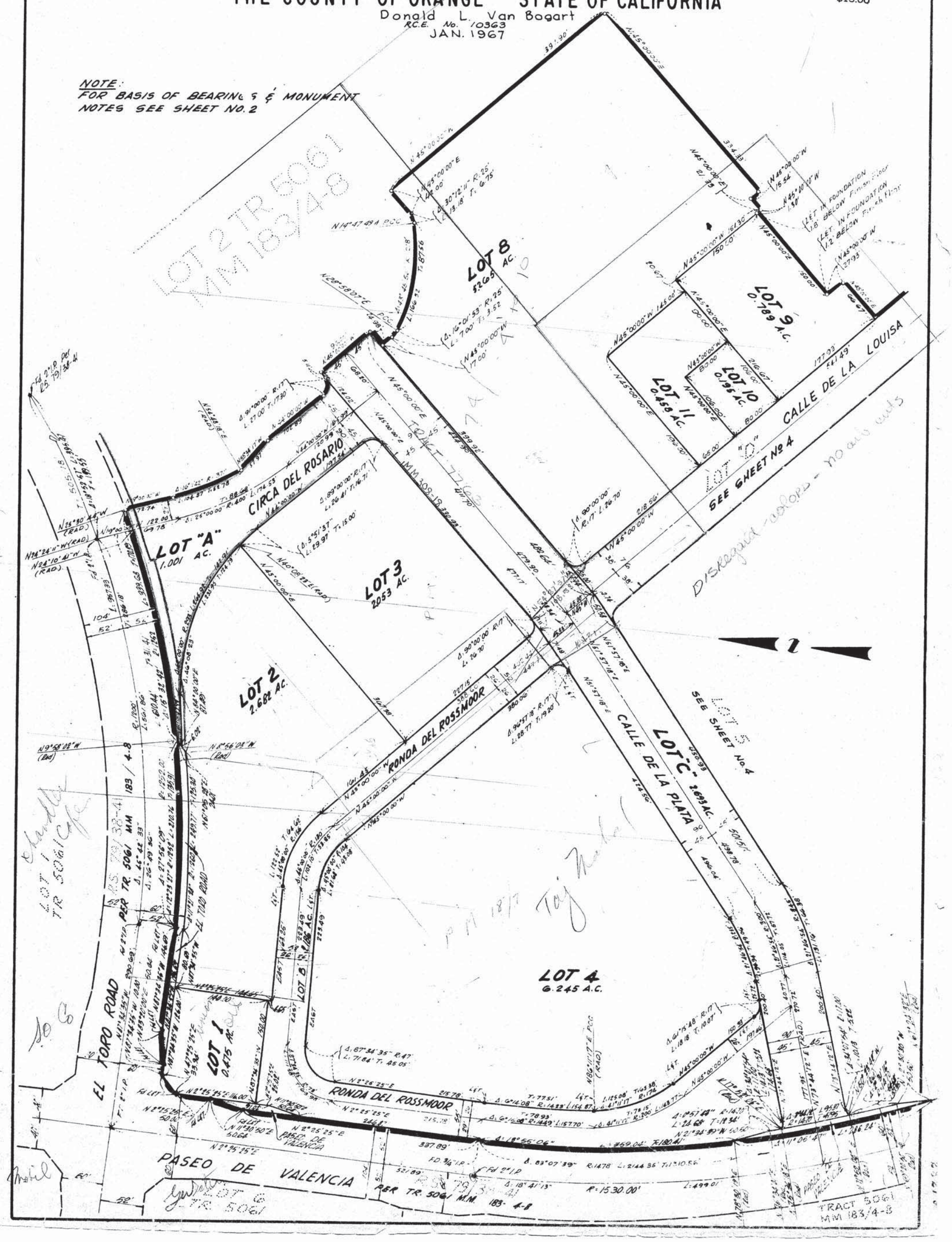
TRACT NO. 6106

IN UNINCORPORATED TERRITORY OF
THE COUNTY OF ORANGE STATE OF CALIFORNIA

Donald L. Van Bogart
R.C.E. No. 10363
JAN. 1967

ACCEPTED AND FILED
MAR 2 1967 AT 8 AM
AT REQUEST OF
TITLE INS. & TRUST CO.
ORANGE COUNTY RECORDS
J. WYLIE CARLYLE, County Recorder
$13.00

NOTE:
FOR BASIS OF BEARINGS & MONUMENT NOTES SEE SHEET NO. 2



232/9

SCALE: 1" = 80'

DUPLICATE

SHEET 4 OF 5 SHEETS

TRACT NO. 6106

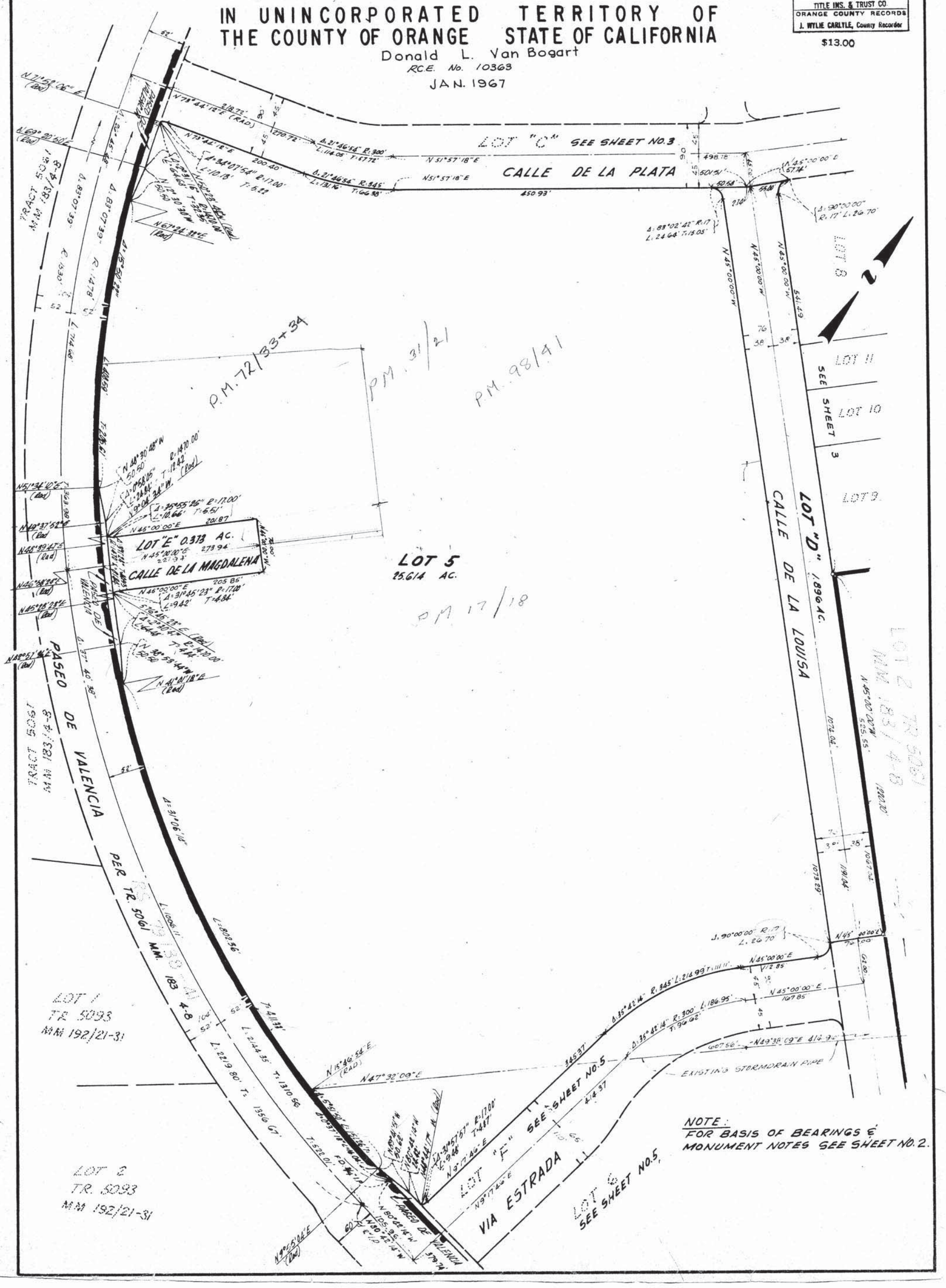
897

ACCEPTED AND FILED
MAR 2 1967 AT 8 AM
AT REQUEST OF
TITLE INS. & TRUST CO.
ORANGE COUNTY RECORDS
J. WYLIE CARLYLE, County Recorder

$13.00

IN UNINCORPORATED TERRITORY OF THE COUNTY OF ORANGE STATE OF CALIFORNIA

Donald L. Van Bogart
R.C.E. No. 10363
JAN. 1967



NOTE:
FOR BASIS OF BEARINGS & MONUMENT NOTES SEE SHEET NO. 2.

SCALE: 1" = 80'

ORIGINAL

SHEET 5 OF 5 SHEETS

897

ACCEPTED AND FILED
MAR 2 1967 AT 8 AM
AT REQUEST OF
TITLE INS. & TRUST CO.
ORANGE COUNTY RECORDS
J. HALE GRIFFIN, County Recorder

$13.00

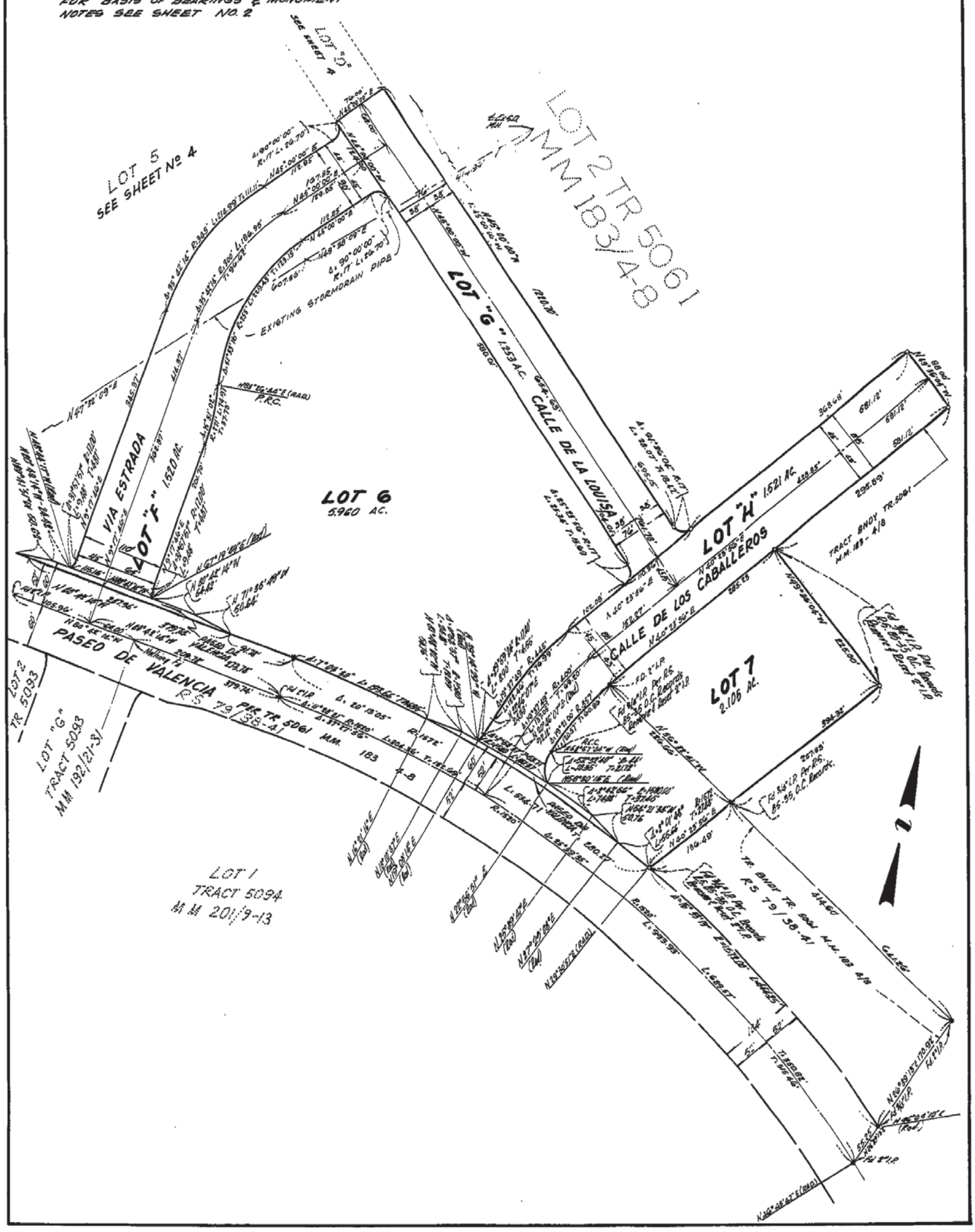
TRACT NO. 6106

IN UNINCORPORATED TERRITORY OF
THE COUNTY OF ORANGE STATE OF CALIFORNIA

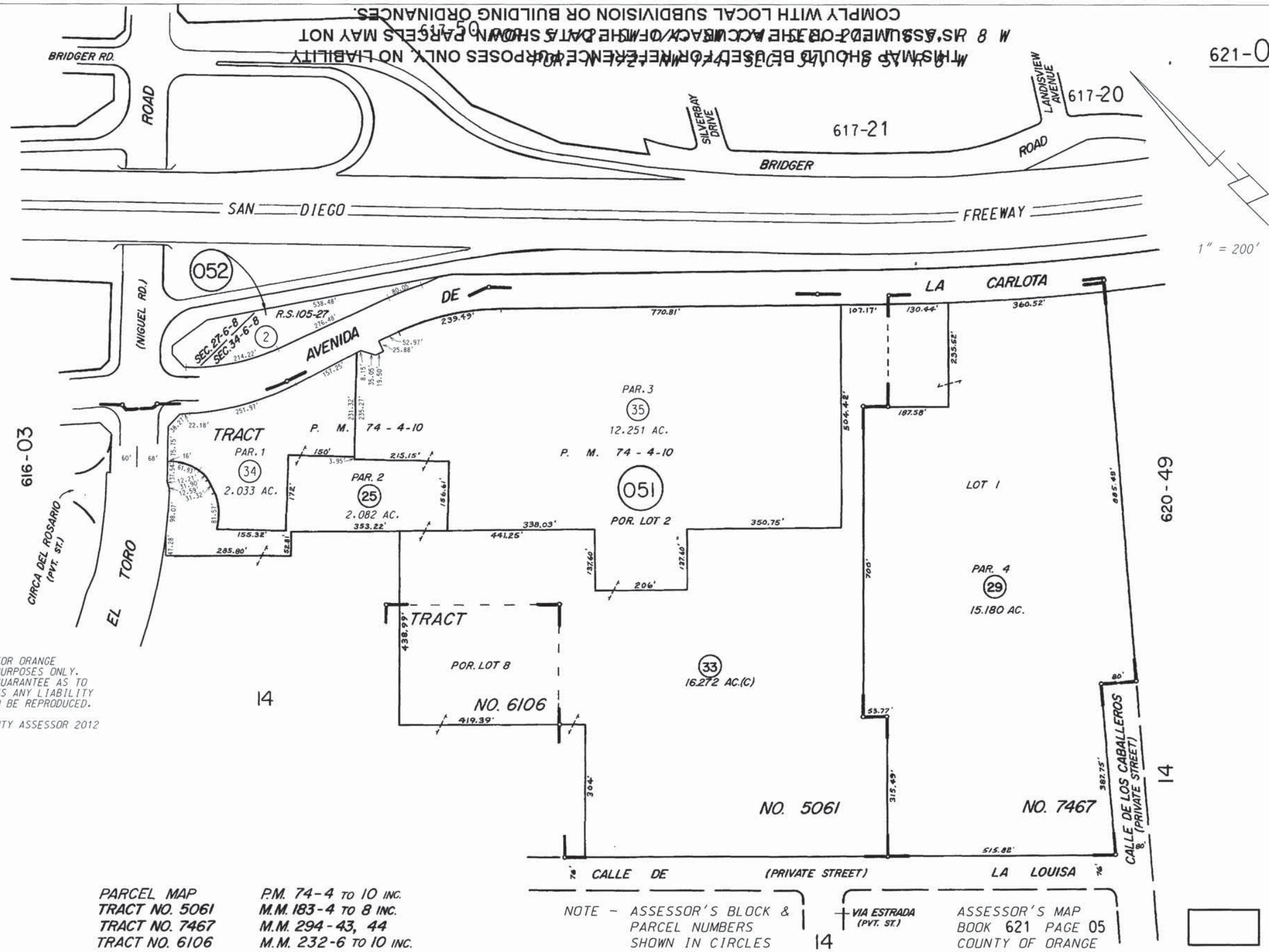
Donald L. Van Bogart
RCE No. 10863

JAN. 1967

NOTE:
FOR BASIS OF BEARINGS & MONUMENT NOTES SEE SHEET NO. 2



292/10



THIS MAP WAS PREPARED FOR ORANGE COUNTY ASSESSOR DEPT. PURPOSES ONLY. THE ASSESSOR MAKES NO GUARANTEE AS TO ITS ACCURACY NOR ASSUMES ANY LIABILITY FOR OTHER USES. NOT TO BE REPRODUCED. ALL RIGHTS RESERVED.
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THIS MAP SHOULD BE USED FOR REFERENCE PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN. PARCELS MAY NOT COMPLY WITH LOCAL SUBDIVISION OR BUILDING ORDINANCES.

MARCH 1973

PARCEL MAP	P.M. 74-4 TO 10 INC.
TRACT NO. 5061	M.M. 183-4 TO 8 INC.
TRACT NO. 7467	M.M. 294-43, 44
TRACT NO. 6106	M.M. 232-6 TO 10 INC.

NOTE - ASSESSOR'S BLOCK & PARCEL NUMBERS SHOWN IN CIRCLES

ASSESSOR'S MAP BOOK 621 PAGE 05 COUNTY OF ORANGE

A.L.T.A. / A.C.S.M. LAND TITLE SURVEY

CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA

LEGAL DESCRIPTION

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF ORANGE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

PARCEL A:

PARCEL 1 AND PARCEL 8 AS SHOWN ON A MAP FILED IN BOOK 74, PAGES 4 TO 10, INCLUSIVE OF PARCEL MAPS IN THE OFFICE OF THE COUNTY RECORDER OF ORANGE COUNTY, CALIFORNIA.

EXCEPT THEREFROM THAT PORTION OF SAID LAND CONVEYED TO THE COUNTY OF ORANGE, MORE PARTICULARLY DESCRIBED IN THAT CERTAIN DOCUMENT RECORDED JULY 22, 1997 AS INSTRUMENT NO. 19970346524, OF OFFICIAL RECORDS.

EXCEPT THEREFROM THAT PORTION OF SAID LAND CONVEYED TO THE CITY OF LAGUNA HILLS, A CALIFORNIA MUNICIPAL CORPORATION, MORE PARTICULARLY DESCRIBED IN THAT CERTAIN DOCUMENT RECORDED AUGUST 18, 2006 AS INSTRUMENT NO. 2006000554765, OF OFFICIAL RECORDS.

EXCEPTING ONE-HALF OF ALL GAS, OIL, HYDROCARBONS, MINERALS AND OTHER SUBSTANCES LYING BELOW A DEPTH OF 500 FEET, BUT WITHOUT THE RIGHT TO ENTER UPON THE SURFACE OR SUBSURFACE OF THE PROPERTY ABOVE A DEPTH OF 500 FEET FOR ANY PURPOSE WHATSOEVER, AS RESERVED BY FIRST WESTERN BANK AND TRUST COMPANY, A CORPORATION, IN THE DEED RECORDED DECEMBER 4, 1961 IN BOOK 5931, PAGE 586, OFFICIAL RECORDS AND RE-RECORDED DECEMBER 11, 1961 IN BOOK 5939, PAGE 534, OFFICIAL RECORDS.

PARCEL B:

PARCELS 2 AND 5 AND SHOWN ON A MAP FILED IN BOOK 74, PAGES 4 THROUGH 10, INCLUSIVE OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF ORANGE COUNTY, CALIFORNIA.

EXCEPTING THEREFROM PARCELS 1 AND 2 OF THAT CERTAIN LOT LINE ADJUSTMENT LL 86-73, COUNTY OF ORANGE, STATE OF CALIFORNIA, RECORDED NOVEMBER 20, 1986 AS INSTRUMENT NO. 86-571062, OF OFFICIAL RECORDS.

EXCEPT THEREFROM THAT PORTION OF SAID LAND CONVEYED TO THE CITY OF LAGUNA HILLS, A CALIFORNIA MUNICIPAL CORPORATION, MORE PARTICULARLY DESCRIBED IN THAT CERTAIN DOCUMENT RECORDED AUGUST 18, 2006 AS INSTRUMENT NO. 2006000554765, OF OFFICIAL RECORDS.

EXCEPTING ONE-HALF OF ALL GAS, OIL, HYDROCARBONS, MINERALS AND OTHER SUBSTANCES LYING BELOW A DEPTH OF 500 FEET, BUT WITHOUT THE RIGHT TO ENTER UPON THE SURFACE OR SUBSURFACE OF THE PROPERTY ABOVE A DEPTH OF 500 FEET FOR ANY PURPOSE WHATSOEVER, AS RESERVED BY FIRST WESTERN BANK AND TRUST COMPANY, A CORPORATION, IN THE DEED RECORDED DECEMBER 4, 1961 IN BOOK 5931, PAGE 586, OF OFFICIAL RECORDS, AND RE-RECORDED DECEMBER 11, 1961 IN BOOK 5939, PAGE 534, OF OFFICIAL RECORDS.

PARCEL B1:

PARCEL 2 OF THAT CERTAIN LOT LINE ADJUSTMENT LL 86-73, COUNTY OF ORANGE, STATE OF CALIFORNIA, RECORDED NOVEMBER 20, 1986 AS INSTRUMENT NO. 86-571062, OF OFFICIAL RECORDS.

EXCEPTING ONE-HALF OF ALL GAS, OIL, HYDROCARBON, MINERALS AND OTHER SUBSTANCES LYING BELOW A DEPTH OF 500 FEET, BUT WITHOUT THE RIGHT TO ENTER UPON THE SURFACE OR SUBSURFACE OF THE PROPERTY ABOVE A DEPTH OF 500 FEET FOR ANY PURPOSE WHATSOEVER, AS RESERVED BY FIRST WESTERN BANK AND TRUST COMPANY, A CORPORATION, IN THE DEED RECORDED DECEMBER 4, 1961 IN BOOK 5931, PAGE 586, OF OFFICIAL RECORDS AND RE-RECORDED DECEMBER 11, 1961 IN BOOK 5939, PAGE 534, OF OFFICIAL RECORDS.

PARCEL B2:

A NON-EXCLUSIVE EASEMENT FOR ROAD PURPOSES OVER THAT PORTION OF LOT C OF TRACT NO. 6106 AS RECORDED IN BOOK 232, PAGES 6 THROUGH 10, MISCELLANEOUS MAPS, RECORDS AT ORANGE COUNTY, AND FURTHER DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEASTERLY TERMINUS OF THAT SOUTHEASTERLY LINE OF SAID LOT C SHOWN AS NORTH 51°57'18" EAST 450.93 FEET;

THENCE, ALONG SAID LINE SOUTH 51°57 18 WEST 450.93 FEET TO A TANGENT CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 345.00 FEET;

THENCE, SOUTHWESTERLY 131.16 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 21°46'54" TO A TANGENT LINE;

THENCE, SOUTH 73°44'12" WEST 200.40 FEET TO A TANGENT CURVE CONCAVE EASTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE, SOUTHERLY 10.13 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 34°07'54" TO A PAINT OF CUSP WITH A NON-TANGENT CURVE CONCAVE NORTHEASTERLY AND HAVING A RADIUS OF 1470.00 FEET AND LYING 60.00 FEET NORTHEASTERLY OF AND CONCENTRIC WITH THE CENTERLINE AT SAID PASEO DE VALENCIA; A RADIAL LINE TO SAID POINT FROM THE CENTERLINE OF SAID 17.00 FOOT RADIUS CURVE BEARS NORTH 50°23'42" WEST AND A RADIAL LINE TO SAID POINT FREE THE CENTER OF SAID 1470.00 FOOT RADIUS CURVE BEARS SOUTH 71°52'06" WEST;

THENCE, NORTHWESTERLY 95.87 FEET ALONG SAID 1470.00 FOOT RADIUS CURVE THROUGH A CENTRAL ANGLE OF 03°44'12" TO A POINT OF CUSP WITH A NON-TANGENT CURVE CONCAVE NORTHERLY AND HAVING A RADIUS OF 17.00 FEET; A RADIAL LINE TO SAID POINT FROM THE CENTER OF SAID 1470.00 FOOT RADIUS CURVE BEARS SOUTH 75°36'18" WEST AND A RADIAL LINE TO SAID POINT FROM THE CENTER OF SAID 17.00 FOOT RADIUS CURVE SOUTH 17°52'06" WEST;

THENCE, EASTERLY 10.13 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 34°07'54" TO A TANGENT LINE, SAID LINE BEING THE NORTHWESTERLY RIGHT-OF-WAY LINE OF SAID CALLE DE LA PLATA;

THENCE, ALONG THE BOUNDARY LINES OF LOT 4 OF SAID TRACT NO. 6106, NORTH 73°44'12" EAST 200.40 FEET TO A TANGENT CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 255.00 FEET;

THENCE NORTHEASTERLY 96.94 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 21°46'54" TO A TANGENT LINE;

THENCE NORTH 51°57'18" EAST 424.56 FEET TO A TANGENT CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE, NORTHERLY 27.61 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 93°03'14" TO A POINT ON A NON-TANGENT LINE; A RADIAL LINE TO SAID POINT BEARS NORTH 48°54'04" EAST;

THENCE, SOUTH 43°01' 18" EAST 108.31 FEET TO THE POINT OF BEGINNING.

PARCEL B3:

A NON-EXCLUSIVE EASEMENT FOR ROAD PURPOSES OVER LOT F OF TRACT NO. 6106, A, SHOWN ON A MAP RECORDED IN BOOK 232, PAGES 6-10, MISCELLANEOUS MAPS, ORANGE COUNTY, AND FURTHER DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEASTERLY TERMINUS OF THAT SOUTHEASTERLY LINE OF SAID LOT F SHOWN AS NORTH 45°00'00" EAST 112.85 FEET;

THENCE, ALONG SAID LINE SOUTH 45°00'00" WEST 112.85 FEET TO A TANGENT CURVE CONCAVE EASTERLY AND HAVING A RADIUS OF 235.00 FEET;

THENCE, SOUTHERLY 229.45 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 51°33'16" TO A POINT OF REVERSE CURVATURE WITH A CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 271.00 FEET;

ATHENCE, SOUTHERLY 74.97 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 15°51'02" TO A TANGENT LINE;

THENCE, SOUTH 09°17'46" WEST 201.70 FEET TO A TANGENT CURVE CONCAVE NORTHEASTERLY AND HAVING A RADIUS OF 17.00 FEET;

LEGAL DESCRIPTION (CONT.)

THENCE, SOUTHEASTERLY 9.48 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 31°57'57" TO A POINT OF CUSP WITH A NON-TANGENT LINE; A RADIAL LINE TO SAID POINT BEARS SOUTH 67°19'49" WEST;

THENCE, LEAVING SAID BOUNDARY OF LOT 6 OF TRACT NO. 6106, AND FOLLOWING ALONG A LINE LYING PARALLEL AND 60.00 FEET NORTHERLY MEASURED AT RIGHT ANGLES FROM THE CENTERLINE OF PASEO DE VALENCIA, NORTH 80°42'14" WEST 115.16 FEET TO A POINT OF CUSP WITH A NON-TANGENT CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE, FOLLOWING ALONG THE BOUNDARY OF LOT 5 OF SAID TRACT NO. 6106, NORTHEASTERLY 9.48 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 31°57'57" TO A TANGENT LINE;

THENCE, NORTH 09°17'46" EAST 345.37 FEET TO A TANGENT CURVE CONCAVE SOUTHEASTERLY AND HAVING A RADIUS OF 345.00 FEET;

THENCE, NORTHEASTERLY 214.99 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 35°42'14" TO A TANGENT LINE;

THENCE, NORTH 45°00'00" EAST 112.85 FEET TO A TANGENT CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE, NORTHERLY 26.70 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 90°00'00" TO A POINT OF CUSP WITH A TANGENT LINE, SAID TANGENT LINE ALSO BEING THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF CALLE DE LA LOUISA;

THENCE, SOUTH 45°00'00" EAST 124.00 FEET TO A POINT OF CUSP WITH A TANGENT CURVE CONCAVE SOUTHERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE, WESTERLY 26.70 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 90°00'00" TO THE POINT OF BEGINNING.

PARCEL B4:

THE RECIPROCAL AND NON-EXCLUSIVE RIGHTS, PRIVILEGES OF USE, INGRESS AND EGRESS, PARKING AND FOR UTILITY AND OTHER PURPOSES CREATED AND GRANTED IN AND BY THAT CERTAIN CONSTRUCTION, OPERATION AND RECIPROCAL EASEMENT AGREEMENT DATED AS OF THE 29TH DAY OF FEBRUARY, 1972, IN BOOK 10018 AT PAGE 325, OFFICIAL RECORDS, ORANGE COUNTY, CALIFORNIA, AND AMENDED BY AMENDMENT NO. 1 TO CONSTRUCTION, OPERATION AND RECIPROCAL EASEMENT AGREEMENT RECORDED APRIL 18, 1974 IN BOOK 11122, PAGE 72, OF OFFICIAL RECORDS, ORANGE COUNTY, CALIFORNIA.

PARCEL C:

PARCEL NO. 3, AS SHOWN ON A MAP FILED IN BOOK 74, PAGES 4 THROUGH 10, INCLUSIVE, OF PARCEL MAPS IN THE OFFICE OF THE COUNTY RECORDER OF ORANGE COUNTY, CALIFORNIA.

EXCEPT THEREFROM THAT PORTION OF SAID LAND CONVEYED TO THE COUNTY OF ORANGE, MORE PARTICULARLY DESCRIBED IN THAT CERTAIN DOCUMENT RECORDED JULY 22, 1997 AS INSTRUMENT NO. 19970346524, OF OFFICIAL RECORDS.

EXCEPTING ONE-HALF OF ALL GAS, OIL, HYDROCARBONS, MINERALS AND OTHER SUBSTANCES LYING BELOW A DEPTH OF 500 FEET, BUT WITHOUT THE RIGHT TO ENTER UPON THE SURFACE OR SUBSURFACE OF THE PROPERTY ABOVE A DEPTH OF 500 FEET FOR ANY PURPOSES WHATSOEVER, AS RESERVED BY FIRST WESTERN BANK AND TRUST COMPANY, A CORPORATION, IN THE DEED RECORDED DECEMBER 4, 1961 IN BOOK 5931, PAGE 586, OFFICIAL RECORDS AND RE-RECORDED DECEMBER 11, 1961 IN BOOK 5939, PAGE 534, OFFICIAL RECORDS.

PARCEL C1

NON-EXCLUSIVE EASEMENTS OVER THAT PORTION OF LOT C OF TRACT NO. 6106 RECORDED IN BOOK 232, PAGES 6 THROUGH 10, MISCELLANEOUS MAPS, RECORDS OF ORANGE COUNTY, AND FURTHER DESCRIBED AS FOLLOWS:

THAT PORTION OF SAID LOT C OF TRACT 6106, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEASTERLY TERMINUS OF THAT SOUTHEASTERLY LINE OF SAID LOT C SHOWN AS NORTH 51°57'18" EAST 450.93 FEET;

THENCE, ALONG SAID LINE SOUTH 51°57'18" WEST 450.93 FEET TO A TANGENT CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 345.00 FEET;

THENCE SOUTHWESTERLY 131.16 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 21°46'54" TO A TANGENT LINE;

THENCE, SOUTH 73°44'12" WEST 200.40 FEET TO A TANGENT CURVE CONCAVE EASTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE, SOUTHERLY 10.13 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 34°07'54" TO A POINT OF CUSP WITH A NON-TANGENT CURVE CONCAVE NORTHEASTERLY AND HAVING A RADIUS OF 1470.00 FEET AND LYING 60.00 FEET NORTHEASTERLY OF AND CONCENTRIC WITH THE CENTERLINE OF SAID PASEO DE VALENCIA; A RADIAL LINE TO SAID POINT FROM THE CENTER LINE OF SAID 17.00 FOOT RADIUS CURVE BEARS NORTH 50°23'42" WEST A RADIAL LINE TO SAID POINT FROM THE CENTER OF SAID 1470.00 FOOT RADIUS CURVE BEARS SOUTH 71°52'06" WEST;

THENCE, NORTHWESTERLY 95.87 FEET ALONG SAID 1470.00 FOOT RADIUS CURVE THROUGH A CENTRAL ANGLE OF 03°44'12" TO A POINT OF CUSP WITH A NON-TANGENT CURVE CONCAVE NORTHERLY AND HAVING A RADIUS OF 17.00 FEET; A RADIAL LINE TO SAID POINT FROM THE CENTER OF SAID 1470.00 FOOT RADIUS OF CURVE BEARS SOUTH 75°36'18" WEST AND A RADIAL LINE TO SAID POINT FROM THE CENTER OF SAID 17.00 FOOT RADIUS CURVE SOUTH 17°52'06" WEST;

THENCE, EASTERLY 10.13 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 34°07'54" TO A TANGENT LINE, SAID LINE BEING THE NORTHWESTERLY RIGHT-OF-WAY LINE OF SAID CALLE DE LA PLATA;

THENCE, ALONG THE BOUNDARY LINES OF LOT 4 OF SAID TRACT NO. 6106, NORTH 73°44'12" EAST 200.40 FEET TO A TANGENT CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 255.00 FEET;

THENCE, NORTHEASTERLY 96.94 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 21°46'54" TO A TANGENT LINE;

THENCE NORTH 51°57'18" EAST 424.56 FEET TO A TANGENT CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE, NORTHERLY 27.61 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 93°03'14" TO A POINT ON A NON-TANGENT LINE; A RADIAL LINE TO SAID POINT BEARS NORTH 48°54'04" EAST;

THENCE, SOUTH 43°01'18" EAST 108.31 FEET TO THE POINT OF BEGINNING.

PARCEL C2:

NON-EXCLUSIVE EASEMENT OVER LOT F OF TRACT NO. 6106, AS RECORDED IN BOOK 232, PAGES 6 THROUGH 10, MISCELLANEOUS MAPS, RECORDS OF ORANGE COUNTY, AND FURTHER DESCRIBED AS FOLLOWS:

ALL OF LOT F AS SHOWN ON SAID MAP, AND FURTHER DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEASTERLY TERMINUS OF THAT SOUTHEASTERLY LINE OF SAID LOT F SHOWN AS NORTH 43°00'00" EAST 112.85 FEET;

THENCE, ALONG SAID LINE SOUTH 45°00'00" WEST 112.85 FEET TO A TANGENT CURVE CONCAVE EASTERLY AND HAVING A RADIUS OF 255.00 FEET;

THENCE, SOUTHERLY 229.45 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 51°33'16" TO A POINT OF REVERSE CURVATURE WITH A CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 271.00 FEET;

THENCE, SOUTHERLY 74.97 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 15°51'02" TO A TANGENT LINE;

THENCE, SOUTH 09° 17'46" WEST 201.70 FEET TO A TANGENT CURVE CONCAVE NORTHEASTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE, SOUTHEASTERLY 9.48 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 31°57'57" TO A POINT OF CUSP WITH A NON-TANGENT LINE; A RADIAL LINE TO SAID POINT BEARS SOUTH 67°19'49" WEST;

THENCE, LEAVING SAID BOUNDARY OF LOT 6 OF TRACT NO. 6106, AND FOLLOWING ALONG A LINE LYING PARALLEL AND 60.00 FEET NORTHERLY MEASURED AT RIGHT ANGLES FROM THE CENTERLINE OF PASEO DE VALENCIA, NORTH 80°42'14" WEST 115.16 FEET TO A POINT OF CUSP WITH A NON-TANGENT CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE, FOLLOWING ALONG THE BOUNDARY OF LOT 5 OF SAID TRACT NO. 6106, NORTHEASTERLY 9.48 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 31°57'57" TO A TANGENT LINE;

THENCE, NORTH 09° 17'46" EAST 345.37 FEET TO A TANGENT CURVE CONCAVE SOUTHEASTERLY AND HAVING A RADIUS OF 345.00 FEET;

THENCE, NORTHEASTERLY 214.99 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 35°42'14" TO A TANGENT LINE;

LEGAL DESCRIPTION (CONT.)

THENCE NORTH 45°00'00" EAST 112.85 FEET TO A TANGENT CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE NORTHERLY 26.70 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 90°00'00" TO A POINT OF CUSP WITH A TANGENT LINE, SAID TANGENT LINE ALSO BEING THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF CALLE DE LA LOUISA;

THENCE, SOUTH 45°00'00" EAST 124.00 FEET TO A POINT OF CUSP WITH A TANGENT CURVE CONCAVE SOUTHERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE, WESTERLY 26.70 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 90°00'00" TO THE POINT OF BEGINNING.

PARCEL D:

PARCEL NO. 4, AS SHOWN ON A MAP FILED IN BOOK 74, PAGES 4 THROUGH 10, INCLUSIVE, OF PARCEL MAPS IN THE OFFICE OF THE COUNTY RECORDER OF ORANGE COUNTY, CALIFORNIA.

EXCEPTING ONE-HALF OF ALL GAS, OIL, HYDROCARBONS, MINERALS AND OTHER SUBSTANCES LYING BELOW A DEPTH OF 500 FEET, BUT WITHOUT THE RIGHT TO ENTER UPON THE SURFACE OR SUBSURFACE OF THE PROPERTY ABOVE A DEPTH OF 500 FEET FOR ANY PURPOSE WHATSOEVER, AS RESERVED BY FIRST WESTERN BANK AND TRUST COMPANY, A CORPORATION, TO THE DEED RECORDED DECEMBER 4, 1961 IN BOOK 5931, PAGE 586, OFFICIAL RECORDS AND RE-RECORDED DECEMBER 11, 1961 IN BOOK 5939, PAGE 534, OFFICIAL RECORDS.

PARCEL D1:

A NON-EXCLUSIVE EASEMENT OVER THAT PORTION OF LOT C OF TRACT NO. 6106, AS RECORDED IN BOOK 232, PAGES 6 THROUGH 10, MISCELLANEOUS MAPS, RECORDS OF ORANGE COUNTY, AND FURTHER DESCRIBED AS FOLLOWS:

THAT PORTION OF SAID LOT C OF TRACT 6106, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEASTERLY TERMINUS OF THAT SOUTHEASTERLY LINE OF SAID LOT C SHOWN AS NORTH 51°57' 18" EAST 450.93 FEET;

THENCE, ALONG SAID LINE SOUTH 51°57' 18" WEST 450.93 FEET TO A TANGENT CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 345.00 FEET;

THENCE SOUTHWESTERLY 131.16 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 21°46'54" TO A TANGENT LINE;

THENCE, SOUTH 73°44'12" WEST 200.40 FEET TO A TANGENT CURVE CONCAVE EASTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE, SOUTHERLY 10.13 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 34°07'54" TO A POINT OF CUSP WITH A NON-TANGENT CURVE CONCAVE NORTHEASTERLY AND HAVING A RADIUS OF 1470.00 FEET AND LYING 60.00 FEET NORTHEASTERLY OF AND CONCENTRIC WITH THE CENTERLINE OF SAID PASEO DE VALENCIA; A RADIAL LINE TO SAID POINT FROM THE CENTER LINE OF SAID 17.00 FOOT RADIUS CURVE BEARS NORTH 50°23'42" WEST A RADIAL LINE TO SAID POINT FROM THE CENTER OF SAID 1470.00 FOOT RADIUS CURVE BEARS SOUTH 71°52'06" WEST;

THENCE, NORTHWESTERLY 95.87 FEET ALONG SAID 1470.00 FOOT RADIUS CURVE THROUGH A CENTRAL ANGLE OF 03°44'12" TO A POINT OF CUSP WITH A NON-TANGENT CURVE CONCAVE NORTHERLY AND HAVING A RADIUS OF 17.00 FEET; A RADIAL LINE TO SAID POINT FROM THE CENTER OF SAID 1470.00 FOOT RADIUS CURVE BEARS SOUTH 75°36'18" WEST AND A RADIAL LINE TO SAID POINT FROM THE CENTER OF SAID 17.00 FOOT RADIUS CURVE SOUTH 17°52'06" WEST;

THENCE, EASTERLY 10.13 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 34°07'54" TO A TANGENT LINE, SAID LINE BEING THE NORTHWESTERLY RIGHT-OF-WAY LINE OF SAID CALLE DE LA PLATA;

THENCE, ALONG THE BOUNDARY LINES OF LOT 4 OF SAID TRACT NO. 6106, NORTH 73°44'12" EAST 200.40 FEET TO A TANGENT CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 255.00 FEET;

THENCE, NORTHEASTERLY 96.94 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 21°46'54" TO A TANGENT LINE;

THENCE NORTH 51°57'18" EAST 424.56 FEET TO A TANGENT CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE, NORTHERLY 27.61 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 93°03'14" TO A POINT ON A NON-TANGENT LINE; A RADIAL LINE TO SAID POINT BEARS NORTH 48°54'04" EAST;

THENCE, SOUTH 43°01'18" EAST 108.31 FEET TO THE POINT OF BEGINNING.

PARCEL D2:

A NON-EXCLUSIVE EASEMENT OVER LOT F OF TRACT NO. 6106, AS RECORDED IN BOOK 232, PAGES 6 THROUGH 10, MISCELLANEOUS MAPS, RECORDS OF ORANGE COUNTY, AND FURTHER DESCRIBED AS FOLLOWS:

ALL OF LOT F AS SHOWN ON SAID MAP, AND FURTHER DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEASTERLY TERMINUS OF THAT SOUTHEASTERLY LINE OF SAID LOT F SHOWN AS NORTH 45°00'00" EAST 112.85 FEET;

THENCE, ALONG SAID LINE SOUTH 45°00'00" WEST 112.85 FEET TO A TANGENT CURVE CONCAVE EASTERLY AND HAVING A RADIUS OF 255.00 FEET;

THENCE, SOUTHERLY 229.45 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 51°33'16" TO A POINT OF REVERSE CURVATURE WITH A CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 271.00 FEET;

THENCE, SOUTHERLY 74.97 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 15°51'02" TO A TANGENT LINE;

THENCE, SOUTH 09°17'46" WEST 201.70 FEET TO A TANGENT CURVE CONCAVE NORTHEASTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE, SOUTHEASTERLY 9.48 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 31°57'57" TO A POINT OF CUSP WITH A NON-TANGENT LINE; A RADIAL LINE TO SAID POINT BEARS SOUTH 67°19'49" WEST;

THENCE, LEAVING SAID BOUNDARY OF LOT 6 OF TRACT NO. 6106, AND FOLLOWING ALONG A LINE LYING PARALLEL AND 60.00 FEET NORTHERLY MEASURED AT RIGHT ANGLES FROM THE CENTERLINE OF PASEO DE VALENCIA, NORTH 80°42'14" WEST 115.16 FEET TO A POINT OF CUSP WITH A NON-TANGENT CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE, FOLLOWING ALONG THE BOUNDARY OF LOT 5 OF SAID TRACT NO. 6106, NORTHEASTERLY 9.48 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 31°57'57" TO A TANGENT LINE;

THENCE, NORTH 09°17'46" EAST 345.37 FEET TO A TANGENT CURVE CONCAVE SOUTHEASTERLY AND HAVING A RADIUS OF 345.00 FEET;

THENCE, NORTHEASTERLY 214.99 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 35°42'14" TO A TANGENT LINE;

THENCE NORTH 45°00'00" EAST 112.85 FEET TO A TANGENT CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE NORTHERLY 26.70 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 90°00'00" TO A POINT OF CUSP WITH A TANGENT LINE, SAID TANGENT LINE ALSO BEING THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF CALLE DE LA LOUISA;

THENCE, SOUTH 45°00'00" EAST 124.00 FEET TO A POINT OF CUSP WITH A TANGENT CURVE CONCAVE SOUTHERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE, WESTERLY 26.70 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 90°00'00" TO THE POINT OF BEGINNING.

PARCEL E:

PARCEL 6, IN THE CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS SHOWN ON A MAP FILED IN BOOK 74, PAGES 4 THROUGH 10, INCLUSIVE OF PARCEL MAPS IN THE OFFICE OF THE COUNTY RECORDER OF ORANGE COUNTY, CALIFORNIA.

EXCEPTING ONE-HALF OF ALL GAS, OIL, HYDROCARBONS, MINERALS AND OTHER SUBSTANCES LYING BELOW A DEPTH OF 500 FEET, BUT WITHOUT THE RIGHT TO ENTER UPON THE SURFACE OR SUBSURFACE OF THE PROPERTY ABOVE A DEPTH OF 500 FEET FOR ANY PURPOSE WHATSOEVER, AS RESERVED BY FIRST WESTERN BANK AND TRUST COMPANY, A CORPORATION, IN THE DEED RECORDED DECEMBER 4, 1961 IN BOOK 5931, PAGE 586, OF OFFICIAL RECORDS, AND RE-RECORDED DECEMBER 11, 1961 IN BOOK 5939, PAGE 534, OF OFFICIAL RECORDS.

LEGAL DESCRIPTION (CONT.)

PARCEL E1:

A NON-EXCLUSIVE EASEMENT FOR INGRESS AND EGRESS OVER THAT PORTION OF LOT C OF TRACT NO. 6106, AS RECORDED IN BOOK 232, PAGES 6 THROUGH 10, OF MISCELLANEOUS MAPS, RECORDS OF ORANGE COUNTY, AND FURTHER DESCRIBED AS FOLLOWS:

THAT PORTION OF LOT C OF TRACT 6106 DESCRIBED AS FOLLOWS:
HROUG
BEGINNING AT THE NORTHEASTERLY TERMINUS OF THAT SOUTHEASTERLY LINE OF SAID LOT C SHOWN AS NORTH 51°57'18" EAST 450.93 FEET;AST;

THENCE ALONG SAID LINE SOUTH 51°57'18" WEST 450.93 FEET TO A TANGENT CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 345.00 FEET;

THENCE SOUTHWESTERLY 131.16 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 21°46'54" TO A TANGENT LINE;

THENCE SOUTH 73°44'12" WEST 200.40 FEET TO A TANGENT CURVE CONCAVE EASTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE SOUTHERLY 10.13 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 34°07'54" TO A POINT OF CUSP WITH A NON-TANGENT CURVE CONCAVE NORTHEASTERLY AND HAVING A RADIUS OF 1470.00 FEET AND LYING 60.00 FEET NORTHEASTERLY OF AND CONCENTRIC WITH THE CENTERLINE OF SAID PASEO DE VALENCIA, A RADIAL LINE TO SAID POINT FROM THE CENTER LINE OF SAID 17.00 FOOT RADIUS CURVE BEARS NORTH 50°23'42" WEST, AND RADIAL LINE TO SAID POINT FROM THE CENTER OF SAID 1470.00 FOOT RADIUS CURVE BEARS SOUTH 71°52'06" WEST;

THENCE NORTHWESTERLY 95.87 FEET ALONG SAID 1470.00 FOOT RADIUS CURVE THROUGH A CENTRAL ANGLE OF 03°44'12" TO A POINT OF CUSP WITH A NON-TANGENT CURVE CONCAVE NORTHERLY AND HAVING A RADIUS OF 17.00 FEET, A RADIAL LINE TO SAID POINT FROM THE CENTER OF SAID 1470.00 FOOT RADIUS CURVE BEARS SOUTH 75°36'18" WEST AND A RADIAL LINE TO SAID POINT FROM THE CENTER OF SAID 17.00 FOOT RADIUS CURVE SOUTH 17°52'06" WEST;

THENCE EASTERLY 10.13 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 34°07'54" TO A TANGENT LINE, SAID LINE BEING THE NORTHWESTERLY RIGHT-OF-WAY LINE OF SAID CALLE DE LA PLATA;

THENCE ALONG THE BOUNDARY LINES OF LOT 4 OF SAID TRACT NO. 6106, NORTH 73°44'12" EAST 200.40 FEET TO A TANGENT CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 255.00 FEET;

THENCE NORTHEASTERLY 96.94 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 21°46'54" TO A TANGENT LINE;

THENCE NORTH 51°57'18" EAST 424.56 FEET TO A TANGENT CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE NORTHERLY 27.61 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 93°03'14" TO A POINT ON A NON-TANGENT LINE, A RADIAL LINE TO SAID POINT BEARS NORTH 48°54'04" EAST;
'b042'
THENCE SOUTH 43°01'18" EAST 108.31 FEET TO THE POINT OF BEGINNING.

PARCEL E2:

A NON-EXCLUSIVE EASEMENT FOR INGRESS AND EGRESS OVER LOT F OF TRACT NO. 6106 AS RECORDED IN BOOK 232, PAGES 6 THROUGH 10, OF MISCELLANEOUS MAPS, RECORDS OF ORANGE COUNTY, AND FURTHER DESCRIBED AS FOLLOWS:

ALL OF LOT F AS SHOWN ON SAID MAP, AND FURTHER DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEASTERLY TERMINUS OF THAT SOUTHEASTERLY LINE OF SAID LOT F SHOWN AS NORTH 45°00'00" EAST 112.85 FEET;

THENCE ALONG SAID LINE SOUTH 45°00'00" WEST 112.85 FEET TO A TANGENT CURVE CONCAVE EASTERLY AND HAVING A RADIUS OF 255.00 FEET;

THENCE SOUTHERLY 229.45 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 51°33'16" TO A POINT OF REVERSE CURVATURE WITH A CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 271.00 FEET;

THENCE SOUTHERLY 74.97 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 15°51'02" TO A TANGENT LINE;

THENCE SOUTH 09°17'46" WEST 201.70 FEET TO A TANGENT CURVE CONCAVE NORTHEASTERLY AND HAVING A RADIUS OF 17.00 FEET;; Ç

THENCE SOUTHEASTERLY 9.48 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 31°57'57" TO A POINT OF CUSP WITH A NON-TANGENT LINE, A RADIAL LINE TO SAID POINT BEARS SOUTH 67°19'49" WEST;

THENCE LEAVING SAID BOUNDARY OF LOT 6 OF TRACT NO. 6106, AND FOLLOWING ALONG A LINE LYING PARALLEL AND 60.00 FEET NORTHERLY MEASURED AT RIGHT ANGLES FROM THE CENTERLINE OF PASEO DE VALENCIA, NORTH 80°42'14" WEST 115.16 FEET TO A POINT OF CUSP WITH A NON-TANGENT CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE FOLLOWING ALONG THE BOUNDARY OF LOT 5 OF SAID TRACT NO. 6106, NORTHEASTERLY 9.48 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 31°57'57" TO A TANGENT LINE;

THENCE NORTH 09°17'46" EAST 345.37 FEET TO A TANGENT CURVE CONCAVE SOUTHEASTERLY AND HAVING A RADIUS OF 345.00 FEET;

THENCE NORTHEASTERLY 214.99 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 35°42'14" TO A TANGENT LINE;

THENCE NORTH 45°00'00" EAST 112.85 FEET TO A TANGENT CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE NORTHERLY 26.70 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 90°00'00" TO A POINT OF CUSP WITH A TANGENT LINE, SAID TANGENT LINE ALSO BEING THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF CALLE DE LA LOUISA;

THENCE SOUTH 45°00'00" EAST 124.00 FEET TO A POINT OF CUSP WITH A TANGENT CURVE CONCAVE SOUTHERLY AND HAVING A RADIUS OF 17.00 FEET;

THENCE WESTERLY 26.70 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 90°00'00" TO THE POINT OF BEGINNING.

PARCEL F:

PARCEL 7 IN THE CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS SHOWN ON A MAP FILED IN BOOK 74, PAGES 4 THROUGH 10, INCLUSIVE, OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF ORANGE COUNTY, CALIFORNIA.

EXCEPTING ONE-HALF OF ALL GAS, OIL, HYDROCARBONS, MINERALS AND OTHER SUBSTANCES LYING BELOW A DEPTH OF 500 FEET, BUT WITHOUT THE RIGHT TO ENTER UPON THE SURFACE OR SUBSURFACE OF THE PROPERTY ABOVE A DEPTH OF 500 FEET FOR ANY PURPOSES WHATSOEVER, AS RESERVED BY FIRST WESTERN BANK AND TRUST COMPANY, A CORPORATION, IN THE DEED RECORDED DECEMBER 4, 1961 IN BOOK 5931, PAGE 586, OF OFFICIAL RECORDS AND RE-RECORDED DECEMBER 11, 1961 IN BOOK 5939, PAGE 534, OF OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE CITY OF LAGUNA HILLS BY DEED RECORDED AUGUST 18, 2006 AS INSTRUMENT NO. 2006000554765, OF OFFICIAL RECORDS, DESCRIBED AS FOLLOWS:

BEING A PORTION OF PARCEL 7 OF A PARCEL MAP, IN THE CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS SHOWN ON A MAP FILED IN BOOK 74, PAGES 4 THROUGH 10, INCLUSIVE, OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF SAID PARCEL 7;

THENCE ALONG THE EASTERLY LINE OF SAID PARCEL, SOUTH 45°00'00" EAST 12.02 FEET;

THENCE SOUTH 45°00'00" WEST 17.85 FEET TO THE BEGINNING OF A NON-TANGENT CURVE, CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 1,274.00 FEET, A RADIAL LINE THROUGH SAID POINT BEARS SOUTH 38°00'17" EAST;

THENCE LEAVING SAID EASTERLY LINE AND SOUTHWESTERLY 305.71 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 13°44'55";

THENCE SOUTH 12°56'26" WEST 38.77 FEET;

THENCE SOUTH 47°13'35" WEST 10.27 FEET;

THENCE NORTH 42°54'29" WEST 11.38 FEET TO THE BEGINNING OF A CURVE, CONCAVE NORTHEASTERLY AND HAVING A RADIUS OF 35.00 FEET;

DATE	DESCRIPTION
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PREPARED BY:

R.A. Smith National
Beyond Surveying and Engineering
8881 Research Drive, Irvine, CA 92618
949-872-2378, www.rasmithnational.com
Appleton, WI Brookfield, WI Pittsburgh, PA

LAGUNA HILLS MALL
24155 LAGUNA HILLS MALL
LAGUNA HILLS, CALIF. 92653

COMMONWEALTH LAND TITLE INSURANCE COMPANY
COMMITMENT NO. 09511919

PREPARED FOR:

SIMON®
225 W. Washington Street
Indianapolis, IN 46204

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DATE: 09/21/12
SCALE: NONE
JOB NO. 3110188
PROJECT MANAGER: CHRIS BRATTY
DESIGNED BY: TFW
CHECKED BY: JEA

SHEET NUMBER
1

Q:\3110188\dwg\RASN ALTA\ALTA-S1-3.dwg, Model, 9/21/2012 3:55:59 PM, rmk2

A.L.T.A. / A.C.S.M. LAND TITLE SURVEY

CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA

LEGAL DESCRIPTION (CONT.)

THENCE NORTHWESTERLY 17.44 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 28°32'59"; THENCE SOUTH 61°41'05" WEST 58.58 FEET;

THENCE SOUTH 43°23'33" WEST 6.43 FEET;

THENCE NORTH 87°47'48" WEST 26.98 FEET TO THE BEGINNING OF A NON-TANGENT CURVE, CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 1,281.00 FEET, A RADIAL LINE THROUGH SAID POINT BEARS SOUTH 18°34'54" EAST;

THENCE SOUTHWESTERLY 140.11 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 06°16'00" TO THE BEGINNING OF A COMPOUND CURVE, CONCAVE NORTHERLY AND HAVING A RADIUS OF 92.00 FEET, A RADIAL LINE THROUGH SAID BEGINNING OF COMPOUND CURVE BEARS SOUTH 12°18'54" EAST;

THENCE WESTERLY 31.60 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 19°40'53";

THENCE NORTH 82°38'01" WEST 46.16 FEET TO THE POINT ON THE WESTERLY LINE OF SAID PARCEL; THENCE ALONG SAID WESTERLY LINE, NORTH 08°56'03" WEST 2.30 FEET TO THE NORTHWEST CORNER OF SAID PARCEL;

THENCE ALONG THE NORTHWESTERLY LINE OF SAID PARCEL THROUGH THE FOLLOWING COURSES: NORTH 83°05'12" EAST 76.38 FEET TO THE BEGINNING OF A CURVE, CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 1,265.00 FEET;

THENCE NORTHEASTERLY 188.03 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 08°30'59";

THENCE NORTH 20°54'37" WEST 5.00 FEET TO THE BEGINNING OF A NON-TANGENT CURVE, CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 1,260.00 FEET, A RADIAL LINE THROUGH SAID POINT BEARS SOUTH 20°54'37" EAST;

THENCE NORTHEASTERLY 392.18 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 17°50'01" TO THE POINT OF BEGINNING.

PARCEL F1:

A NON-EXCLUSIVE EASEMENT FOR INGRESS, EGRESS AND INCIDENTAL PURPOSES AS MORE PARTICULARLY SET FORTH IN THAT CERTAIN DOCUMENT ENTITLED "CONSTRUCTION, OPERATION AND RECIPROCAL EASEMENT AGREEMENT", RECORDED FEBRUARY 29, 1972 IN BOOK 10018, PAGE 325, AND AS AMENDED AND RESTATED APRIL 18, 1974 IN BOOK 11122, PAGE 72, AND NOVEMBER 17, 1989, INSTRUMENT NO. 89-620609, ALL OF OFFICIAL RECORDS.

PARCEL F2:

A NON-EXCLUSIVE EASEMENT FOR INGRESS, EGRESS AND INCIDENTAL PURPOSES AS MORE PARTICULARLY SET FORTH IN THAT CERTAIN DOCUMENT ENTITLED "RECIPROCAL EASEMENT AGREEMENT" RECORDED JUNE 9, 1980 IN BOOK 13629, PAGE 1347, OF OFFICIAL RECORDS.

PARCEL F3:

A NON-EXCLUSIVE EASEMENT FOR INGRESS, EGRESS AND INCIDENTAL PURPOSES AS MORE PARTICULARLY SET FORTH IN THAT CERTAIN DOCUMENT ENTITLED "EASEMENT AGREEMENT" RECORDED FEBRUARY 29, 1972 IN BOOK 10018, PAGE 496, AND AS AMENDED AND RESTATED APRIL 18, 1974 IN BOOK 11122, PAGE 312, ALL OF OFFICIAL RECORDS.

PARCEL G:

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF ORANGE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

LOT 2 OF TRACT NO. 6106, IN THE CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS SHOWN ON A MAP RECORDED IN BOOK 232, PAGES 6 THROUGH 10, INCLUSIVE OF MISCELLANEOUS MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPTING THEREFROM THAT PORTION OF SAID LOT 2 LYING SOUTHEASTERLY AND EASTERLY OF THAT CERTAIN LINE DESCRIBED IN "CONSTRUCTION, OPERATION AND RECIPROCAL EASEMENTS AGREEMENT" ALSO CALLED "REA" EXECUTED BY ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION AND OTHERS, RECORDED FEBRUARY 29, 1972 IN BOOK 10018, PAGE 325, OF OFFICIAL RECORDS, SAID LINE BEING DESCRIBED AS FOLLOWS;

THENCE LEAVING SAID RIGHT-OF-WAY LINE NORTH 45°00'00" EAST 90.81 FEET TO A TANGENT CURVE CONCAVE, NORTHWESTERLY AND HAVING A RADIUS OF 20.00 FEET; THEREON NORTHEASTERLY 14.86 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 42°34'35" TO A TANGENT LINE;

THENCE NORTH 02°25'25" EAST 153.15 FEET;

THENCE NORTH 08°56'03" WEST 35.54 FEET RADIALLY TO A POINT ON A CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 1260.00 FEET, AND CURVE BEING CONCENTRIC WITH A SAID CURVE SHOWN ON MAP OF LOT 2 OF TRACT NO. 5061, AS SHOWN ON A MAP RECORDED IN BOOK 183, PAGE 4, OF MISCELLANEOUS MAPS OF ORANGE COUNTY, AS HAVING A RADIUS OF 1252.00 FEET AND BEING THE SOUTHEASTERLY RIGHT-OF-WAY LINE OF IMPROVEMENTS OF EL TORO ROAD.

EXCEPT THEREFROM THAT PORTION OF SAID LAND CONVEYED TO THE CITY OF LAGUNA HILLS, A CALIFORNIA MUNICIPAL CORPORATION, MORE PARTICULARLY DESCRIBED IN THAT CERTAIN DOCUMENT RECORDED AUGUST 18, 2006 AS INSTRUMENT NO. 2006000554765, OF OFFICIAL RECORDS.

EXCEPTING ONE-HALF OF ALL GAS, OIL, HYDROCARBON, MINERALS AND OTHER SUBSTANCES LYING BELOW A DEPTH OF 500 FEET, BUT WITHOUT THE RIGHT TO ENTER UPON THE SURFACE OR SUBSURFACE OF THE PROPERTY ABOVE A DEPTH OF 500 FEET FOR ANY PURPOSE WHATSOEVER, AS RESERVED BY FIRST WESTERN BANK AND TRUST COMPANY, A CORPORATION, IN THE DEED RECORDED DECEMBER 4, 1961 IN BOOK 5931, PAGE 586, OF OFFICIAL RECORDS AND RE-RECORDED DECEMBER 11, 1961 IN BOOK 5939, PAGE 534, OF OFFICIAL RECORDS.

TITLE REPORT EXCEPTIONS

EASEMENTS ARE PLOTTED HEREON WITH REFERENCE TO SCHEDULE B EXCEPTION NUMBER.
EXAMPLE: (7) = SCHEDULE B EXCEPTION NUMBER PLOTTED HEREON.

1. DEFECTS, LIENS, ENCUMBRANCES, ADVERSE CLAIMS OR OTHER MATTERS, IF ANY, CREATED, FIRST APPEARING IN THE PUBLIC RECORDS OR ATTACHING SUBSEQUENT TO THE EFFECTIVE DATE HEREOF BUT PRIOR TO THE DATE THE PROPOSED INSURED ACQUIRES FOR VALUE OF RECORD THE ESTATE OR INTEREST OR MORTGAGE THEREON COVERED BY THIS COMMITMENT.

2. RIGHTS OR CLAIMS OF PARTIES OTHER THAN THE INSURED IN ACTUAL POSSESSION OF ANY OR ALL OF THE PROPERTY.

3. UNRECORDED EASEMENTS, DISCREPANCIES OR CONFLICTS IN BOUNDARY LINES, SHORTAGE IN AREA AND ENCROACHMENTS WHICH AN ACCURATE AND COMPLETE SURVEY WOULD DISCLOSE.

4. UNFILED MECHANICS OR MATERIALMENS LIENS.

5. DISCREPANCIES, CONFLICTS IN BOUNDARY LINES, SHORTAGE IN AREA, ENCROACHMENTS OR ANY OTHER FACTS WHICH A CORRECT SURVEY WOULD DISCLOSE, AND WHICH ARE NOT SHOWN BY THE PUBLIC RECORDS.

6. ANY EASEMENTS NOT DISCLOSED BY THOSE PUBLIC RECORDS WHICH IMPART CONSTRUCTIVE NOTICE AND WHICH ARE NOT VISIBLE AND APPARENT FROM AN INSPECTION OF THE SURFACE OF SAID LAND.

SCHEDULE B, SECTION 2, ITEMS 1 - 6 MAY BE AMENDED OR DELETED PENDING RECEIPT AND REVIEW OF ALL SCHEDULE B, SECTION 1, TITLE REQUIREMENTS.

SPECIAL EXCEPTIONS:

7. PROPERTY TAXES, INCLUDING GENERAL AND SPECIAL TAXES, PERSONAL PROPERTY TAXES, IF ANY, AND ANY ASSESSMENTS COLLECTED WITH TAXES, TO BE LEVIED FOR THE FISCAL YEAR 2012 - 2013 WHICH ARE A LIEN NOT YET PAYABLE. (CW EX. A)

8. THE LIEN OF ANY SPECIAL ASSESSMENT OR TAX RESULTING FROM THE INCLUSION OF THE PROPERTY IN A SPECIAL ASSESSMENT DISTRICT OR MELLO-ROOS COMMUNITY FACILITIES DISTRICT, WHICH MAY EXIST BY VIRTUE OF ASSESSMENT MAPS OR NOTICES FILED AND/OR RECORDED BY ANY SUCH DISTRICT. ASSESSMENTS, IF ANY, ARISING FROM SUCH ASSESSMENT DISTRICTS MAY BE COLLECTED WITH THE REGULAR REAL PROPERTY TAXES. (CW EX. G)

9. SUPPLEMENTAL OR ESCAPED ASSESSMENTS OF PROPERTY TAXES, IF ANY, ASSESSED PURSUANT TO THE REVENUE AND TAXATION CODE OF THE STATE OF CALIFORNIA. (CW EX. H)

10. WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT SHOWN BY THE PUBLIC RECORDS. (CW EX. 1)

11. COVENANTS, CONDITIONS AND RESTRICTIONS AS SET FORTH IN DECLARATION OF RESTRICTIONS BY ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, DATED MARCH 16, 1963 AND RECORDED MARCH 19, 1963 IN BOOK 6472, PAGE 430, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (CW EX. 2)

EXCEPTIONS (CONT.)

THIS EXCEPTION OMITS ANY COVENANT, CONDITION OR RESTRICTION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN, UNLESS AND ONLY TO THE EXTENT THAT THE COVENANT, CONDITION OR RESTRICTION (A) IS NOT IN VIOLATION OF STATE OR FEDERAL LAW, (B) IS EXEMPT UNDER 42 U.S.C. SECTION 3607 OR (C) RELATES TO A HANDICAP BUT DOES NOT DISCRIMINATE AGAINST HANDICAPPED PEOPLE.

SAID COVENANTS, CONDITIONS AND RESTRICTIONS PROVIDE THAT A VIOLATION THEREOF SHALL NOT DEFEAT THE LIEN OF ANY MORTGAGE OR DEED OF TRUST MADE IN GOOD FAITH AND FOR VALUE.

12. AN EASEMENT FOR WATER PIPE LINES, SANITARY SEWER LINES, AND INCIDENTAL PURPOSES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN EASEMENT DEED FROM ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, TO ROSSMOOR WATER COMPANY, A CALIFORNIA CORPORATION, DATED JANUARY 10, 1964 AND RECORDED JANUARY 15, 1964 IN BOOK 6885, PAGE 70; AND EASEMENT DEED FROM ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION TO ROSSMOOR SANITATION INC., A CALIFORNIA CORPORATION, DATED JANUARY 10, 1964 AND RECORDED JANUARY 15, 1964 JANUARY 15,1964 IN BOOK 6885, PAGE 72, AS MODIFIED BY MODIFICATION OF EASEMENTS BY ROSSMOOR SANITATION INC., A CALIFORNIA CORPORATION, DATED FEBRUARY 24, 1972 AND RECORDED FEBRUARY 29, 1972 IN BOOK 10018, PAGE 258, AND MODIFIED BY MODIFICATION OF EASEMENTS BY ROSSMOOR WATER COMPANY, A CALIFORNIA CORPORATION, DATED FEBRUARY 24, 1972 AND RECORDED FEBRUARY 29, 1972 IN BOOK 10018, PAGE 261, ALL IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 3)

13. COVENANTS, CONDITIONS AND RESTRICTIONS AS SET FORTH IN DECLARATION OF ESTABLISHMENT OF COVENANTS AND RESTRICTIONS BY ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, DATED FEBRUARY 28, 1964 AND RECORDED FEBRUARY 28, 1964 IN BOOK 6944, PAGE 449, AS MODIFIED BY MODIFICATION, RECORDED IN BOOK 9293, PAGE 986, BOTH IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (CW EX. 4)

THIS EXCEPTION OMITS ANY COVENANT, CONDITION OR RESTRICTION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN, UNLESS AND ONLY TO THE EXTENT THAT THE COVENANT, CONDITION OR RESTRICTION (A) IS NOT IN VIOLATION OF STATE OR FEDERAL LAW, (B) IS EXEMPT UNDER 42 U.S.C. SECTION 3607 OR (C) RELATES TO A HANDICAP BUT DOES NOT DISCRIMINATE AGAINST HANDICAPPED PEOPLE.

SAID COVENANTS, CONDITIONS AND RESTRICTIONS PROVIDE THAT A VIOLATION THEREOF SHALL NOT DEFEAT THE LIEN OF ANY MORTGAGE OR DEED OF TRUST MADE IN GOOD FAITH AND FOR VALUE.

14. AN EASEMENT FOR PIPE LINES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN RIGHT OF WAY AGREEMENT BY AND BETWEEN ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, AND SOUTHERN COUNTIES GAS COMPANY OF CALIFORNIA, A CORPORATION, DATED SEPTEMBER 3, 1964 AND RECORDED SEPTEMBER 16, 1964 IN BOOK 7221, PAGE 727, AS MODIFIED BY QUIT CLAIM DEED BY SOUTHERN COUNTIES GAS COMPANY OF CALIFORNIA, A CORPORATION, DATED JANUARY 12, 1965 AND RECORDED FEBRUARY 19, 1965 IN BOOK 7420, PAGE 616, BOTH IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 5)

15. AN EASEMENT FOR PIPELINES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN RIGHT OF WAY AGREEMENT BY AND BETWEEN ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, AND SOUTHERN COUNTIES GAS COMPANY OF CALIFORNIA, A CORPORATION, DATED FEBRUARY 11, 1965 AND RECORDED FEBRUARY 24, 1965 IN BOOK 7423, PAGE 957, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 7)

NOTE: A PORTION OF SAID EASEMENT WAS QUITCLAIMED BY QUITCLAIM DEED BY SOUTHERN CALIFORNIA GAS COMPANY, A CALIFORNIA CORPORATION, DATED NOVEMBER 19, 1971 AND RECORDED NOVEMBER 29, 1971 IN BOOK 9905, PAGE 162, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. [DEED DOES NOT AFFECT SUBJECT EASEMENT].

16. AN EASEMENT FOR PIPE LINES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN DEED OF EASEMENT BY AND BETWEEN ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, AND ROSSMOOR SANITATION, INC., A CALIFORNIA CORPORATION, DATED MAY 28, 1965 AND RECORDED JUNE 14, 1965 IN BOOK 7555, PAGE 16, AND DEED OF EASEMENT BY AND BETWEEN GOLDEN RAIN FOUNDATION OF LAGUNA HILLS, A NON-PROFIT CALIFORNIA CORPORATION, ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, AND ROSSMOOR WATER COMPANY, A CALIFORNIA CORPORATION, DATED AUGUST 13, 1965 AND RECORDED AUGUST 13, 1965 IN BOOK 7630, PAGE 541, AS MODIFIED BY MODIFICATION OF EASEMENTS BY ROSSMOOR SANITATION INC., A CALIFORNIA CORPORATION, DATED FEBRUARY 24, 1972 AND RECORDED FEBRUARY 29, 1972 IN BOOK 10018, PAGE 258, AND MODIFIED BY MODIFICATION OF EASEMENTS BY ROSSMOOR WATER COMPANY, A CALIFORNIA CORPORATION, DATED FEBRUARY 24, 1972 AND RECORDED FEBRUARY 29, 1972 IN BOOK 10018, PAGE 261, ALL IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS A PORTION OF CALLE DE LA LOUISA AND CALLE DE LA PLATA.) (CW EX. 8)

17. THE MATTERS CONTAINED IN MEMORANDUM OF AGREEMENT BY AND BETWEEN ROSSMOOR CORPORATION, A CORPORATION, AND THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY, A CORPORATION, RECORDED SEPTEMBER 3, 1965 IN BOOK 7656, PAGE 227, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. THE EXACT LOCATION AND/OR EXTENT OF SAID CONDUITS IS NOT DISCLOSED IN SAID AGREEMENT. (CW EX. 9)

18. THE MATTERS CONTAINED IN AGREEMENT BY AND BETWEEN ROSSMOOR CORPORATION, A CORPORATION, AND THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY, A CALIFORNIA CORPORATION, DATED AUGUST 9, 1963 AND RECORDED SEPTEMBER 27, 1963 IN BOOK 7681, PAGE 72, AS AMENDED BY AMENDMENT TO AGREEMENT BY AND BETWEEN ROSSMOOR CORPORATION, A CORPORATION AND THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY, A CALIFORNIA CORPORATION, DATED JULY 21, 1965 AND RECORDED NOVEMBER 12, 1965 IN BOOK 7738, PAGE 924, BOTH IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (CW EX. 10)

19. AN EASEMENT FOR PUBLIC UTILITIES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN GRANT OF EASEMENT GRANTED TO SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION, DATED OCTOBER 26, 1965 AND RECORDED NOVEMBER 4, 1965 IN BOOK 7729, PAGE 120, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 11)

20. AN EASEMENT FOR DRAINAGE AND RIGHTS INCIDENTAL THERETO, AS SHOWN OR AS OFFERED FOR DEDICATION ON THE RECORDED MAP TRACT NO. 5061, RECORDED JULY 3, 1963 IN BOOK 183, PAGE 4, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS AS SHOWN ON SAD MAP.) (CW EX. 12)

21. MATTERS CONTAINED IN THE DEDICATION STATEMENT OR ELSEWHERE, ON THE TRACT/PARCEL MAP NO. 6106, RECORDED MARCH 2, 1967 IN BOOK 232, PAGE 6, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (CW EX. 13)

PROVISIONS: SAID LOTS BEING INTENDED FOR THE EXCLUSIVE USE OF THE LOT OWNERS IN THE SUBDIVISION.

22. MATTERS CONTAINED IN THE DEDICATION STATEMENT OR ELSEWHERE, ON THE TRACT/PARCEL MAP NO. 6106, RECORDED MARCH 2, 1967 IN BOOK 232, PAGE 6, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (CW EX. 14)

PROVISIONS: SAID LOTS ARE NOT OF SUFFICIENT RIGHTS OF WAY OR IMPROVED TO COUNTY STANDARDS, AND ARE THEREFORE NOT ACCEPTABLE AS PUBLIC STREETS

23. COVENANTS, CONDITIONS AND RESTRICTIONS AS SET FORTH IN DECLARATION AND AGREEMENT BY AND BETWEEN ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, AND WESTERN MORTGAGE CORPORATION, A CORPORATION, DATED JULY 14, 1966 AND RECORDED AUGUST 10, 1966 IN BOOK 8015, PAGE 611, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (CW EX. 15)

THIS EXCEPTION OMITS ANY COVENANT, CONDITION OR RESTRICTION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN, UNLESS AND ONLY TO THE EXTENT THAT THE COVENANT, CONDITION OR RESTRICTION (A) IS NOT IN VIOLATION OF STATE OR FEDERAL LAW, (B) IS EXEMPT UNDER 42 U.S.C. SECTION 3607 OR (C) RELATES TO A HANDICAP BUT DOES NOT DISCRIMINATE AGAINST HANDICAPPED PEOPLE.

SAID COVENANTS, CONDITIONS AND RESTRICTIONS PROVIDE THAT A VIOLATION THEREOF SHALL NOT DEFEAT THE LIEN OF ANY MORTGAGE OR DEED OF TRUST MADE IN GOOD FAITH AND FOR VALUE.

24. AN EASEMENT FOR INGRESS AND EGRESS AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN CORPORATION GRANT DEED GRANTED FROM ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, TO ROSS W. CORTESE AND M.E. WARD, DOING BUSINESS AS C & W COMPANY, DATED AUGUST 16, 1966 AND RECORDED AUGUST 17, 1966 IN BOOK 8021, PAGE 185, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 16)

25. THE RIGHTS OF THE PUBLIC TO USE A PORTION OF THE LAND FOR INGRESS AND EGRESS AND PARKING FOR ADJACENT FACILITIES, AS SET FORTH IN A NOTICE OF CONSENT BY ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, DATED SEPTEMBER 6, 1967 AND RECORDED SEPTEMBER 19, 1967 IN BOOK 8378, PAGE 171, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (CW EX. 17)

26. AN EASEMENT FOR INGRESS AND EGRESS AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN CORPORATION GRANT DEED GRANTED BY ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, TO GOLDEN RAIN FOUNDATION OF LAGUNA HILLS, A CALIFORNIA CORPORATION, DATED AUGUST 27, 1968 AND RECORDED SEPTEMBER 11, 1968 IN BOOK 8717, PAGE 812, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 18)

27. AN EASEMENT FOR SANITARY SEWER PIPE LINES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN DEED OF EASEMENT GRANTED BY ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, TO ROSSMOOR SANITATION, INC., A CALIFORNIA CORPORATION, DATED NOVEMBER 14, 1969 AND RECORDED NOVEMBER 26, 1969 IN BOOK 9148, PAGE 179, AS MODIFIED BY MODIFICATION OF EASEMENTS BY ROSSMOOR SANITATION, INC., A CALIFORNIA CORPORATION, DATED FEBRUARY 24, 1972 AND RECORDED FEBRUARY 29, 1972 IN BOOK 10018, PAGE 258, BOTH IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS A PORTION OF CALLE DE LA LOUISA AND CALLE DE LA PLATA.) (CW EX. 19)

28. COVENANTS, CONDITIONS AND RESTRICTIONS AS SET FORTH IN DECLARATION OF COVENANTS, CONDITIONS AND RESTRICTIONS BY OWNERS OF ADJOINING PROPERTY BY AND BETWEEN THE UNITED STATES OF AMERICA AND ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, DATED JULY 8, 1970 AND RECORDED AUGUST 31, 1970 IN BOOK 9390, PAGE 111, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (CW EX. 20)

EXCEPTIONS (CONT.)

THIS EXCEPTION OMITS ANY COVENANT, CONDITION OR RESTRICTION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN, UNLESS AND ONLY TO THE EXTENT THAT THE COVENANT, CONDITION OR RESTRICTION (A) IS NOT IN VIOLATION OF STATE OR FEDERAL LAW, (B) IS EXEMPT UNDER 42 U.S.C. SECTION 3607 OR (C) RELATES TO A HANDICAP BUT DOES NOT DISCRIMINATE AGAINST HANDICAPPED PEOPLE.

SAID COVENANTS, CONDITIONS AND RESTRICTIONS PROVIDE THAT A VIOLATION THEREOF SHALL NOT DEFEAT THE LIEN OF ANY MORTGAGE OR DEED OF TRUST MADE IN GOOD FAITH AND FOR VALUE.

29. AN EASEMENT FOR STREET AND HIGHWAY AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN EASEMENT DEED GRANTED BY ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, TO ORANGE COUNTY, DATED SEPTEMBER 1, 1970 AND RECORDED SEPTEMBER 4, 1970 IN BOOK 9397, PAGE 172, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 21) [DOES NOT AFFECT]

30. AN EASEMENT FOR PUBLIC UTILITIES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN GRANT OF EASEMENT GRANTED BY ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, TO SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION, DATED MARCH 2, 1971 AND RECORDED MAY 10, 1971 IN BOOK 9566, PAGE 948, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 22)

31. THE MATTERS CONTAINED IN SEWER MAIN EXTENSION CONTRIBUTION AND SEWER AGREEMENT BY AND BETWEEN ROSSMOOR SANITATION, INC., A CALIFORNIA CORPORATION, AND ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, DATED SEPTEMBER 24, 1971 AND RECORDED SEPTEMBER 29, 1971 IN BOOK 9823, PAGE 673, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (CW EX. 23)

32. AN EASEMENT FOR GAS PIPES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN GRANT OF EASEMENT GRANTED BY ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, TO SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION, DATED OCTOBER 26, 1971 AND RECORDED OCTOBER 29, 1971 IN BOOK 9868, PAGE 985, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 24)

33. CONSTRUCTION, OPERATION AND RECIPROCAL EASEMENT AGREEMENT BY AND BETWEEN ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, LAGUNA HILLS ASSOCIATES, A GENERAL PARTNERSHIP, BROADWAY-HALE STORES, INC., A CALIFORNIA CORPORATION, AND SEARS, ROEBUCK AND CO., A NEW YORK CORPORATION, DATED FEBRUARY 29, 1972 AND RECORDED FEBRUARY 29, 1972 IN BOOK 10018, PAGE 325, AS AMENDED AND RESTATED BY AMENDMENT #1 TO CONSTRUCTION, OPERATION AND RECIPROCAL EASEMENT AGREEMENT BY AND BETWEEN ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, LAGUNA HILLS ASSOCIATES, A GENERAL PARTNERSHIP, BROADWAY-HALE STORES, INC., A CALIFORNIA CORPORATION, SEARS, ROEBUCK AND CO., A NEW YORK CORPORATION, AND J.C. PENNEY PROPERTIES, INC., A DELAWARE CORPORATION, DATED APRIL 18, 1974 AND RECORDED APRIL 18, 1974 IN BOOK 11122, PAGE 72, AND FURTHER AMENDED BY SECOND AMENDMENT TO RECIPROCAL EASEMENT AGREEMENT BY AND BETWEEN PAN-AMERICAN PROPERTIES, INC., A DELAWARE CORPORATION, SUCCESSOR-IN-INTEREST TO CONTINENTAL ILLINOIS PROPERTIES, A CALIFORNIA REAL ESTATE INVESTMENT TRUST, CARTER HAWLEY HALE STORES, INC., A CALIFORNIA CORPORATION, F/K/A BROADWAY STORES, INC., SEARS, ROEBUCK AND CO., A NEW YORK CORPORATION, AND J.C. PENNEY PROPERTIES, INC., A DELAWARE CORPORATION, DATED JULY 22, 1986 AND RECORDED NOVEMBER 17, 1989 AS INSTRUMENT NO. 89-620609, ALL IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (CW EX. 27)

NOTE 1: THE TERMS, PROVISIONS AND CONDITIONS CONTAINED ASSIGNMENT AND ASSUMPTION AGREEMENT (REA) BY AND BETWEEN ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, AND CONTINENTAL ILLINOIS PROPERTIES, A CALIFORNIA REAL ESTATE INVESTMENT TRUST, DATED DECEMBER 22, 1975 AND RECORDED DECEMBER 23, 1975 IN BOOK 11604, PAGE 115, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA.

NOTE 2: THE TERMS, PROVISIONS AND CONDITIONS CONTAINED IN ASSIGNMENT AND ASSUMPTION AGREEMENT (REA) BY AND BETWEEN LAGUNA HILLS ASSOCIATES, A CALIFORNIA PARTNERSHIP, AND CONTINENTAL ILLINOIS PROPERTIES, A CALIFORNIA REAL ESTATE INVESTMENT TRUST, DATED FEBRUARY 24, 1977 AND RECORDED FEBRUARY 28, 1977 IN BOOK 12086, PAGE 283, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA.

NOTE 3: THE TERMS, PROVISIONS AND CONDITIONS CONTAINED IN RECIPROCAL EASEMENT AGREEMENT BY AND BETWEEN PAN-AMERICAN PROPERTIES, F/K/A CONTINENTAL ILLINOIS PROPERTIES, A CALIFORNIA REAL ESTATE INVESTMENT TRUST, J.C. PENNEY PROPERTIES, INC., A DELAWARE CORPORATION, SEARS, ROEBUCK AND CO., A NEW YORK CORPORATION, CARTER HAWLEY HALE STORES, INC., A CALIFORNIA CORPORATION, F/K/A BROADWAY-HALE STORES, AND LAGUNA HILLS INVESTMENT COMPANY, A CALIFORNIA GENERAL PARTNERSHIP, DATED APRIL 30, 1980 AND RECORDED JUNE 9, 1980 IN BOOK 13629, PAGE 1347, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA.

NOTE 4: THE TERMS, PROVISIONS AND CONDITIONS CONTAINED IN ASSIGNMENT AND ASSUMPTION OF RECIPROCAL EASEMENT AGREEMENT BY AND BETWEEN PAN-AMERICAN PROPERTIES, INC., A DELAWARE CORPORATION, AND SHOPPING CENTER ASSOCIATES, A NEW YORK GENERAL PARTNERSHIP, DATED NOVEMBER 13, 1989 AND RECORDED NOVEMBER 21, 1989 AS INSTRUMENT NO. 89-636871, AND ASSIGNMENT AND ASSUMPTION OF RECIPROCAL EASEMENT AGREEMENT BY AND BETWEEN PAN-AMERICAN PROPERTIES, INC., A DELAWARE CORPORATION, AND SHOPPING CENTER ASSOCIATES, A NEW YORK GENERAL PARTNERSHIP, DATED NOVEMBER 13, 1989 AND RECORDED NOVEMBER 21, 1989 AS INSTRUMENT NO. 89-636874, BOTH IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA.

34. EASEMENT AGREEMENT BY AND BETWEEN ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, LAGUNA HILLS INVESTMENT COMPANY, A CALIFORNIA GENERAL PARTNERSHIP, BROADWAY-HALE STORES, INC., A CALIFORNIA CORPORATION AND SEARS, ROEBUCK AND CO., A NEW YORK CORPORATION, DATED OCTOBER 29, 1971 AND RECORDED FEBRUARY 29, 1972 IN BOOK 10018, PAGE 496, AS AMENDED BY AMENDMENT NO. 1 TO EASEMENT AGREEMENT AND BETWEEN ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, LAGUNA HILLS INVESTMENT COMPANY, A CALIFORNIA GENERAL PARTNERSHIP, BROADWAY-HALE STORES, INC., A CALIFORNIA CORPORATION, SEARS, ROEBUCK AND CO., A NEW YORK CORPORATION, AND J.C. PENNY PROPERTIES, INC., A DELAWARE CORPORATION, DATED APRIL 18, 1974 AND RECORDED APRIL 18, 1974 IN BOOK 11122, PAGE 312, BOTH IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (CW EX. 28)

SUBJECT TO ALL THE TERMS, PROVISIONS AND CONDITIONS THEREIN CONTAINED RECIPROCAL EASEMENT AGREEMENT BY AND BETWEEN PAN-AMERICAN PROPERTIES, F/K/A CONTINENTAL ILLINOIS PROPERTIES, A CALIFORNIA REAL ESTATE INVESTMENT TRUST, J.C. PENNY PROPERTIES, INC., A DELAWARE CORPORATION, SEARS, ROEBUCK AND CO., A NEW YORK CORPORATION, AND LAGUNA HILLS INVESTMENT COMPANY, A CALIFORNIA GENERAL PARTNERSHIP, DATED APRIL 30, 1980 AND RECORDED JUNE 9, 1980 IN BOOK 13629, PAGE 1347, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA.

ASSIGNMENT AND ASSUMPTION OF RECIPROCAL EASEMENT AGREEMENT BY AND BETWEEN PAN-AMERICAN PROPERTIES, INC., A DELAWARE CORPORATION AND SHOPPING CENTER ASSOCIATES, A NEW YORK GENERAL PARTNERSHIP, DATED NOVEMBER 13, 1989 AND RECORDED NOVEMBER 21, 1989 AS INSTRUMENT NO. 89-636871, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA.

35. AN EASEMENT FOR PUBLIC UTILITY AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN GRANT OF EASEMENT BY ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, TO SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION, DATED NOVEMBER 8, 1972 AND RECORDED NOVEMBER 15, 1972 IN BOOK 10427, PAGE 579, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 29)

36. AN EASEMENT FOR PIPE LINES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN RIGHT OF WAY GRANTED BY ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, TO SOUTHERN CALIFORNIA GAS COMPANY, A CORPORATION, DATED MARCH 2, 1973 AND RECORDED MARCH 20, 1973 IN BOOK 10603, PAGE 320, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS PARCEL 5 OF PARCEL B.) (CW EX. 30)

37. AN EASEMENT FOR PUBLIC UTILITIES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN GRANT OF EASEMENT GRANTED BY ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, AND LAGUNA HILLS ASSOCIATES, A PARTNERSHIP TO SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION, DATED APRIL 18, 1973 AND RECORDED MAY 22, 1973 IN BOOK 10708, PAGE 932, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 31)

38. AN EASEMENT FOR TRAFFIC SIGNALIZATION SYSTEM AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN EASEMENT DEED GRANTED BY ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, TO ORANGE COUNTY, DATED NOVEMBER 21, 1973 AND RECORDED JANUARY 21, 1974 IN BOOK 11060, PAGE 1142, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 32)

39. AN EASEMENT FOR WATER MAIN AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN EASEMENT GRANTED TO ROSSMOOR WATER COMPANY, A CALIFORNIA CORPORATION, RECORDED APRIL 26, 1974 IN BOOK 11129, PAGE 210, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 34)

40. AN EASEMENT FOR SEWER LINES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN DEED OF EASEMENT GRANTED BY ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, AND LAGUNA HILLS ASSOCIATES, A PARTNERSHIP TO ROSSMOOR SANITATION, INC., DATED DECEMBER 3, 1975 AND RECORDED DECEMBER 4, 1975 IN BOOK 11586, PAGE 817, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 35)

41. EASEMENT AND ASSUMPTION AGREEMENT BY AND BETWEEN ROSSMOOR CORPORATION, A CALIFORNIA CORPORATION, AND CONTINENTAL ILLINOIS PROPERTIES, A CALIFORNIA REAL ESTATE INVESTMENT TRUST, DATED DECEMBER 22, 1975 AND RECORDED DECEMBER 23, 1975 IN BOOK 11604, PAGE 118, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (CW EX. 36)

42. AN EASEMENT FOR UNDERGROUND LINES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN GRANT OF EASEMENT BY CONTINENTAL ILLINOIS PROPERTIES, A CALIFORNIA REAL ESTATE INVESTMENT TRUST, AND LAGUNA HILLS ASSOCIATES, A PARTNERSHIP, TO SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION, DATED DECEMBER 2, 1975 AND RECORDED MAY 26, 1976 IN BOOK 11750, PAGE 1017, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 38)

43. AN EASEMENT FOR PUBLIC UTILITIES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN GRANT OF EASEMENT GRANTED BY CONTINENTAL ILLINOIS PROPERTIES, A CALIFORNIA REAL ESTATE INVESTMENT TRUST, AND LAGUNA HILLS ASSOCIATES, A PARTNERSHIP, TO SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION, DATED DECEMBER 2, 1975 AND RECORDED MAY 26, 1976 IN BOOK 11750, PAGE 1020, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 39)

EXCEPTIONS (CONT.)

44. AN EASEMENT FOR PUBLIC UTILITIES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN GRANT OF EASEMENT GRANTED BY CONTINENTAL ILLINOIS PROPERTIES, A CALIFORNIA REAL ESTATE INVESTMENT TRUST, AND LAGUNA HILLS ASSOCIATES, A PARTNERSHIP, TO SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION, DATED DECEMBER 2, 1975 AND RECORDED MAY 26, 1976 IN BOOK 11750, PAGE 1023, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 40)

45. AN EASEMENT FOR PUBLIC UTILITIES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN GRANT OF EASEMENT GRANTED BY CONTINENTAL ILLINOIS PROPERTIES, A CALIFORNIA REAL ESTATE INVESTMENT TRUST, AND LAGUNA HILLS ASSOCIATES, A PARTNERSHIP, TO SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION, DATED DECEMBER 2, 1975 AND RECORDED MAY 26, 1976 IN BOOK 11750, PAGE 1026, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 41)

46. AN EASEMENT FOR UNDERGROUND LINES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN GRANT OF EASEMENT GRANTED BY CONTINENTAL ILLINOIS PROPERTIES, A CALIFORNIA REAL ESTATE INVESTMENT TRUST, AND LAGUNA HILLS ASSOCIATES, A PARTNERSHIP, TO SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION, DATED DECEMBER 2, 1975 AND RECORDED MAY 26, 1976 IN BOOK 11750, PAGE 1029, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 42)

47. AN EASEMENT FOR UNDERGROUND LINES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN GRANT OF EASEMENT GRANTED BY CONTINENTAL ILLINOIS PROPERTIES, A CALIFORNIA REAL ESTATE INVESTMENT TRUST, AND LAGUNA HILLS ASSOCIATES, A PARTNERSHIP, TO SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION, DATED DECEMBER 2, 1975 AND RECORDED MAY 26, 1976 IN BOOK 11750, PAGE 1033, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.) (CW EX. 43)

48. AN EASEMENT FOR PIPE LINES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN RIGHT OF WAY AGREEMENT GRANTED TO SOUTHERN CALIFORNIA GAS COMPANY, A CORPORATION, DATED FEBRUARY 10, 1977 AND RECORDED MAY 25, 1977 IN BOOK 12211, PAGE 1290, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN, AND AS SHOWN ON SURVEY.) (CW EX. 44)

49. AN EASEMENT FOR SEWER AND WATER AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN PERMANENT UNDERGROUND UTILITIES EASEMENT BY PAN-AMERICAN PROPERTIES, INC., A DELAWARE CORPORATION, TO EL TORO WATER DISTRICT, A PUBLIC AGENCY, DATED JANUARY 30, 1985 AND RECORDED JANUARY 31, 1986 AS INSTRUMENT NO. 86-045266, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN) (CW EX. 46)

50. ANY BOUNDARY DISCREPANCIES, RIGHTS OR CLAIMS WHICH MAY EXIST OR ARISE AS DISCLOSED BY A RECORD OF SURVEY 91-1116, RECORDED APRIL 7, 1992 IN BOOK 136, PAGE 32, IN THE RECORD OF SURVEYS, ORANGE COUNTY, CALIFORNIA. (CW EX. 47)

51. THE MATTERS CONTAINED IN LICENSE AGREEMENT BY AND BETWEEN PAN AMERICAN PROPERTIES, INC., A DELAWARE CORPORATION, SUCCESSOR-IN-INTEREST TO PAN AMERICAN PROPERTIES, A CALIFORNIA BUSINESS TRUST, AND PARK/ABRAMS DEVELOPMENT COMPANY, INC., A CALIFORNIA CORPORATION, DATED AUGUST 30, 1988 AND RECORDED SEPTEMBER 7, 1988 AS INSTRUMENT NO. 88-449440, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (CW EX. 48)

52. AN EASEMENT FOR VEHICULAR ACCESS AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN GRANT DEED GRANTED BY PAN AMERICAN PROPERTIES, INC., A DELAWARE CORPORATION (SUCCESSOR-IN-INTEREST TO CONTINENTAL ILLINOIS PROPERTIES), TO ORANGE COUNTY TRANSIT DISTRICT, A CALIFORNIA PUBLIC TRANSIT DISTRICT, DATED NOVEMBER 14, 1989 AND RECORDED NOVEMBER 17, 1989 AS INSTRUMENT NO. 89-620610, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN) (CW EX. 49)

53. AN EASEMENT FOR PUBLIC UTILITIES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN DEED OF EASEMENT GRANTED BY SHOPPING CENTER ASSOCIATES, A NEW YORK GENERAL PARTNERSHIP, TO EL TORO WATER DISTRICT, A PUBLIC CORPORATION, RECORDED SEPTEMBER 3, 1996 AS INSTRUMENT NO. 19960448198, AS MODIFIED BY QUITCLAIM DEED BY EL TORO WATER DISTRICT, A PUBLIC CORPORATION, TO SHOPPING CENTER ASSOCIATES, A NEW YORK GENERAL PARTNERSHIP, DATED NOVEMBER 5, 2007 AND RECORDED JANUARY 14, 2008 AS INSTRUMENT NO. 2008000019979, BOTH IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN) (CW EX. 50)

SAID EASEMENT CONTAINS RESTRICTIONS ON THE USE, BY THE OWNERS OF SAID LAND, OF THE EASEMENT AREA AS SET OUT IN SAID EASEMENT DOCUMENT.

A PLAT IS ATTACHED TO AND MADE A PART OF SAID DOCUMENT WHICH INDICATES THE LOCATION OR APPROXIMATE LOCATION OF SAID EASEMENT.

54. AN EASEMENT FOR PUBLIC UTILITIES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN A DEED OF EASEMENT GRANTED BY SHOPPING CENTER ASSOCIATES, A NEW YORK GENERAL PARTNERSHIP, TO EL TORO WATER DISTRICT, A PUBLIC CORPORATION, RECORDED SEPTEMBER 3, 1996 AS INSTRUMENT NO. 19960448199, AS MODIFIED BY QUITCLAIM DEED BY EL TORO WATER DISTRICT, A PUBLIC CORPORATION, TO SHOPPING CENTER ASSOCIATES, A NEW YORK GENERAL PARTNERSHIP, DATED JUNE 25, 2010 AND RECORDED JUNE 27, 2010 AS INSTRUMENT NO. 2010000357159, BOTH IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN) (CW EX. 51)

SAID EASEMENT CONTAINS RESTRICTIONS ON THE USE, BY THE OWNERS OF SAID LAND, OF THE EASEMENT AREA AS SET OUT IN SAID EASEMENT DOCUMENT.

A PLAT IS ATTACHED TO AND MADE A PART OF SAID DOCUMENT WHICH INDICATES THE LOCATION OR APPROXIMATE LOCATION OF SAID EASEMENT.

55. THE FACT THAT THE OWNERSHIP OF SAID LAND DOES NOT INCLUDE RIGHTS OF ACCESS TO OR FROM THE STREET OR HIGHWAY KNOWN, ABUTTING SAID LAND, SUCH RIGHTS HAVING BEEN SEVERED FROM SAID LAND BY GRANT DEED BY SHOPPING CENTER ASSOCIATES, A NEW YORK GENERAL PARTNERSHIP, TO THE COUNTY OF ORANGE, DATED DECEMBER 5, 1996 AND RECORDED JULY 22, 1997 AS INSTRUMENT NO. 19970346524, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (SAID MATTER AFFECTS PARCELS A AND C, EXCEPT AT SPECIFIED POINTS.) (CW EX. 52)

56. AN EASEMENT FOR PUBLIC UTILITY AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN DEED OF EASEMENT GRANTED BY SHOPPING CENTER ASSOCIATES, A NEW YORK GENERAL PARTNERSHIP, TO EL TORO WATER DISTRICT, A PUBLIC CORPORATION, DATED AUGUST 14, 1997 AND RECORDED SEPTEMBER 11, 1997 AS INSTRUMENT NO. 19970444433,IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN) (CW EX. 53)

SAID EASEMENT CONTAINS RESTRICTIONS ON THE USE, BY THE OWNERS OF SAID LAND, OF THE EASEMENT AREA AS SET OUT IN SAID EASEMENT DOCUMENT.

A PLAT IS ATTACHED TO AND MADE A PART OF SAID DOCUMENT WHICH INDICATES THE LOCATION OR APPROXIMATE LOCATION OF SAID EASEMENT.

57. AN EASEMENT FOR PIPE LINES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN DEED OF EASEMENT GRANTED BY SHOPPING CENTER ASSOCIATES, A NEW YORK GENERAL PARTNERSHIP, TO EL TORO WATER DISTRICT, A PUBLIC CORPORATION, RECORDED MARCH 26, 1998 AS INSTRUMENT NO. 19980173326, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN) (CW EX. 54)

58. AN EASEMENT FOR LANDSCAPING AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN GRANT OF PERMANENT EASEMENT FOR LANDSCAPING BY SHOPPING CENTER ASSOCIATES, A NEW YORK GENERAL PARTNERSHIP, TO THE CITY OF LAGUNA HILLS, A CALIFORNIA MUNICIPAL CORPORATION, DATED JUNE 16, 2006 AND RECORDED AUGUST 18, 2006 AS INSTRUMENT NO. 2006000554766, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN) (CW EX. 56)
UNT
SAID EASEMENT CONTAINS RESTRICTIONS ON THE USE, BY THE OWNERS OF SAID LAND, OF THE EASEMENT AREA AS SET OUT IN SAID EASEMENT DOCUMENT.

59. AN EASEMENT FOR PUBLIC UTILITIES AND RIGHTS INCIDENTAL THERETO, AS SET FORTH IN DEED OF EASEMENT GRANTED BY SHOPPING CENTER ASSOCIATES, A NEW YORK GENERAL PARTNERSHIP, TO EL TORO WATER DISTRICT, A PUBLIC CORPORATION, DATED AUGUST 21, 2007 AND RECORDED NOVEMBER 14, 2007 AS INSTRUMENT NO. 2007000682176, IN THE OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA. (AFFECTS SAID LAND MORE PARTICULARLY DESCRIBED THEREIN) (CW EX. 57)

SAID EASEMENT CONTAINS RESTRICTIONS ON THE USE, BY THE OWNERS OF SAID LAND, OF THE EASEMENT AREA AS SET OUT IN SAID EASEMENT DOCUMENT.

A PLAT IS ATTACHED TO AND MADE A PART OF SAID DOCUMENT WHICH INDICATES THE LOCATION OR APPROXIMATE LOCATION OF SAID EASEMENT.

[EXCEPTIONS 60 THROUGH 66, INCLUSIVE, ARE ANY CLAIMS FOR MECHANIC'S LIENS].

[EXCEPTIONS 67 THROUGH 81, INCLUSIVE, REFER TO UNRECORDED LEASES].

DATE	DESCRIPTION
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PREPARED BY:

R.A. Smith National
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COMMONWEALTH LAND TITLE INSURANCE COMPANY
COMMITMENT NO. 09511919

PREPARED FOR:

SIMON®
225 W. Washington Street
Indianapolis, IN 46204

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R.A. Smith National, Inc.

DATE: 09/21/12
SCALE: NONE
JOB NO. 3110188
PROJECT MANAGER: CHRIS BRATTY
DESIGNED BY: TFW
CHECKED BY: JEA
SHEET NUMBER
2

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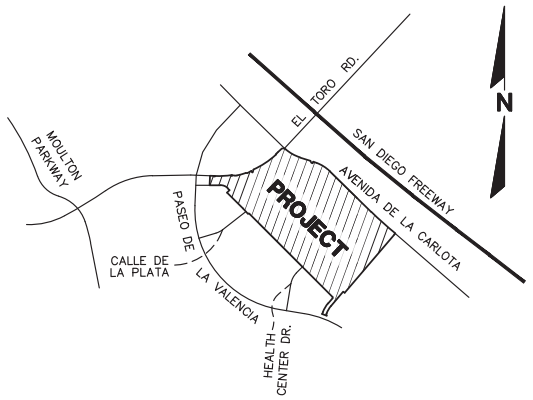
A.L.T.A. / A.C.S.M. LAND TITLE SURVEY

CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA



VICINITY MAP

NOT TO SCALE

LEGEND

PROPERTY LINE	MANHOLE
CENTER LINE	VALVE
INTERIOR PROPERTY LINE	VAULT
EASEMENT	GRATE
RETAINING WALL	ROCK
UTILITIES	STREETLIGHT
POWER POLE	BUILDING
FIRE HYDRANT	SIGN
BUSH, TREE	GUARDRAIL
TREE	TRAFFIC SIGNAL
LIGHTPOLE	HANDICAPPED PARKING
FENCE	

GENERAL NOTES

1. THE LAND AREA OF THE SUBJECT PROPERTY IS 2,945,465 SQ. FT., OR 67.619 ACRES AS DESCRIBED IN THE LEGAL DESCRIPTION.

2. TITLE SEARCH – THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY R.A. SMITH NATIONAL, INC. OR JERALD ANHORN TO DETERMINE OWNERSHIP OF THIS PROPERTY OR TO VERIFY THE DESCRIPTIONS PROVIDED. THE COMPATIBILITY OF THESE DESCRIPTIONS WITH THAT OF ADJACENT PROPERTIES; NOR EASEMENTS, RIGHTS–OF–WAY OR TITLE OF RECORD. R.A. SMITH NATIONAL RELIED UPON TITLE REPORT COMMITMENT NO. 09511919, REVISED DATE, AUGUST 2, 2012, PREPARED BY COMMONWEALTH LAND TITLE INSURANCE COMPANY.

3. OCCUPATION LINES, ENCROACHMENTS AND RECOVERED SURVEY MONUMENTS ARE SHOWN AS FOUND DURING A FIELD SURVEY PERFORMED UNDER MY DIRECT SUPERVISION DURING MAY 2012.

4. PARCEL AREA SHOWN IS DETERMINED BASED UPON FIELD MEASUREMENTS MADE DURING A FIELD SURVEY PERFORMED IN MAY 2012.

5. THE PROPERTY IS ZONED VC, VILLAGE COMMERCIAL.

6. THERE EXIST 4,279 REGULAR PARKING SPACES AND 68 HANDICAPPED PARKING SPACES ON THE SUBJECT PROPERTY.

7. VEHICULAR ACCESS PROVIDED ON AVENIDA DE LA CARLOTA, EL TORO ROAD AND RONDA DEL ROSSMOOR ALL PUBLIC STREETS, CALLE DE LA LOUISA AND CALLE DE LOS CABALLEROS BOTH PRIVATE STREETS.

8. THE TOTAL OF ALL BUILDING AREAS (BASED UPON EXTERIOR FOOTPRINT OF BUILDING, NOT INTERIOR FLOOR SPACE).

9. THERE IS NO OBSERVABLE EVIDENCE OF EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS, STREET OR SIDEWALK CONSTRUCTION WITHIN RECENT MONTHS.

10. THERE IS NO VISIBLE EVIDENCE OR PRIOR KNOWLEDGE OF CEMETERIES WITHIN 100 FEET OF THE PROPERTY.

11. THERE IS NO OBSERVABLE EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL OR WETLANDS.

FLOOD ZONE

THE PROPERTY LIES WITHIN ZONE "X" OF THE FLOOD INSURANCE RATE MAP 06059C0427J BEARING AN EFFECTIVE DATE OF DECEMBER 3, 2009

APN INFORMATION

ASSESSOR NO.	OWNER NAME
616–031–11	CITY OF LAGUNA HILLS
616–031–13	CITY OF LAGUNA HILLS
616–031–18	23991 EL TORO INC
616–032–04	ASHDON DEV EL TORO INC
616–032–09	DKC LIC
616–032–10	DKC LIC
620–491–01	SPTMRT PROPERTIES
620–491–02	SPTMRT PROPERTIES
620–491–03	SPTMRT PROPERTIES
620–491–06	LAGUNA HILLS INVESTMENT CO
620–491–07	LAGUNA HILLS INVESTMENT CO
620–491–08	LAGUNA HILLS INVESTMENT CO
620–491–10	LAGUNA HILLS INVESTMENT CO
620–491–11	LAGUNA HILLS INVESTMENT CO
620–491–12	LAGUNA HILLS INVESTMENT CO
620–491–13	LAGUNA HILLS INVESTMENT CO
620–491–14	LAGUNA HILLS INVESTMENT CO
620–491–15	LAGUNA HILLS INVESTMENT CO
620–491–16	LAGUNA HILLS INVESTMENT CO
620–491–17	LAGUNA HILLS INVESTMENT CO
620–491–18	LAGUNA HILLS INVESTMENT CO
620–491–19	LAGUNA HILLS INVESTMENT CO
620–492–01	COLUMBIA CALIFORNIA
621–051–29	SHOPPING CTR ASSOC
621–051–33	SHOPPING CTR ASSOC
621–051–34	SHOPPING CTR ASSOC
621–051–35	SHOPPING CTR ASSOC
621–141–13	GEORGE PEARSON
621–141–24	ORANGE COUNTY TRANSIT DISTRICT
621–141–27	BANK CALIFORNIA FIRST
621–141–29	UNITED STATES POSTAL SERVICE
621–141–33	MEMORIAL HEALTH SERVICES
621–141–36	UNIVERSAL PROPERTIES LH
621–141–46	BANK GLENDALE FEDERAL
621–141–48	SHOPPING CENTER ASSOCIATES
621–141–51	SHOPPING CENTER ASSOCIATES
621–141–58	SHOPPING CENTER ASSOCIATES
621–141–66	FINANCIAL CENTER
621–141–68	HPF GIB SADDLEBACK LLC
621–141–71	LHT SADDLEBACK LLC
621–141–73	SADDLEBACK PROPERTIES LLC
621–141–74	BANK FARMERS
621–141–75	M RICHLEY
620–491–04	TGM PRADO LLC
620–491–05	TGM PRADO LLC

POLICY OF PREPARER

AS A MATTER OF POLICY, ONLY OFFICIALLY RELEASED COPIES OF THIS SURVEY HAVE A "WET" SIGNATURE ALONG WITH THE RELEASE/REVISION DATE(S) SHOWN. ANY MODIFICATIONS, UPDATES, OR REVISIONS WITH THEIR EFFECTIVE RELEASE DATES WILL BE SHOWN THEREON. ANY PARTIES REQUIRING INFORMATION WHICH MAY BE DERIVED FROM THIS SURVEY AFTER THE INITIAL RELEASE DATE ARE ADVISED TO CONTACT THE OFFICE OF THE PREPARER TO INQUIRE ON THE PRESENT STATUS OF THE SURVEY AND IF LATER VERSIONS HAVE BEEN RELEASED. COPIES OF THIS SURVEY LACKING THE HEREIN ABOVE MENTIONED SIGNATURE ARE TO BE CONSIDERED NON OFFICIALLY RELEASED VERSIONS OF THIS SURVEY.

SURVEYOR'S NOTES

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CENTERLINE OF EL TORO ROAD BEING NORTH 46°42'52"EAST PER PARCEL MAP. BOOK 74, PAGES 4 THRU 10 .

● – INDICATES FOUND MONUMENT AS NOTED

UTILITY NOTE

UTILITIES ON SITE ARE SHOWN PER A FIELD SURVEY PERFORMED UNDER MY DIRECT SUPERVISION DURING MAY OF 2012. THIS SURVEY DOES NOT CONSTITUTE A COMPLETE "AS–CONSTRUCTED" SURVEY OF ALL UTILITIES. ALL ABOVE GROUND VISIBLE OR REASONABLY DISCOVERABLE IMPROVEMENTS, WITHIN 5 FEET OF THE PROPERTY LINES, ARE SHOWN HEREON.

SETBACKS

MINIMUM FRONT SETBACK AND REAR SETBACK 25 FT., MINIMUM SIDE SETBACKS 5 FT. & 15 FT IF THE BUILDING IS ON THE STREET SIDE, MAX. HEIGHT 65 FT.

ZONING

THE PROPERTY IS ZONED : VC VILLAGE COMMERCIAL

PARKING TABULATION

REGULAR STRIPED PARKING WITHIN THE PARKING LOT	4,180 SPACES
HANDICAPPED STRIPED PARKING WITHIN THE PARKING LOT	51 SPACES
VAN HANDICAPPED STRIPED PARKING WITHIN THE PARKING LOT	17 SPACES
REGULAR NON–STRIPED PARKING ALONG THE PRIVATE STREET, CALLE DE LA LOUISA (ASSUMED 20' PER SPACE)	99 SPACES
TOTAL	4,347 SPACES

SURVEYORS CERTIFICATE

TO:

SHOPPING CENTER ASSOCIATES, A NEW YORK GENERAL PARTNERSHIP

CHARLES MALL COMPANY LIMITED PARTNERSHIP, A MARYLAND LIMITED PARTNERSHIP

SIMON PROPERTY GROUP (DELAWARE), INC., A DELAWARE CORPORATION

SIMON PROPERTY GROUP, L.P., A DELAWARE LIMITED PARTNERSHIP

SIMON PROPERTY GROUP, INC., A DELAWARE CORPORATION

FIDELITY NATIONAL TITLE INSURANCE COMPANY

COMMONWEALTH LAND TITLE INSURANCE COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS" JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS AND INCLUDES ITEMS 2, 3, 4, 6(A) 6(B), 7(A), 7(B), 7(C) 8, 9, 11(A), 13, 14, 16, 17, 18, 19 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON 6–05–2012

DATE OF MAP: 9–21–12

JERALD E. ANHORN JR.
PROFESSIONAL LAND SURVEYOR NO. 7159

LICENSED LAND SURVEYOR
JERALD E. ANHORN JR.
EXP. DEC., 31, 2013
NO. 7159
STATE OF CALIFORNIA

DATE	DESCRIPTION
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PREPARED BY:

R.A. Smith National
Beyond Surveying and Engineering
8881 Research Drive, Irvine, CA 92618
949-872-2378, www.rasmithnational.com
Appleton, WI Brookfield, WI Pittsburgh, PA

LAGUNA HILLS MALL
24155 LAGUNA HILLS MALL
LAGUNA HILLS, CALIF. 92653

COMMONWEALTH LAND TITLE INSURANCE COMPANY
COMMITMENT NO. 09511919

PREPARED FOR:

SIMON
225 W. Washington Street
Indianapolis, IN 46204

© COPYRIGHT 2012
R.A. Smith National, Inc.

DATE: 09/21/12
SCALE: NONE
JOB NO. 3110188
PROJECT MANAGER: CHRIS BRATTY
DESIGNED BY: TFW
CHECKED BY: JEA

SHEET NUMBER
3

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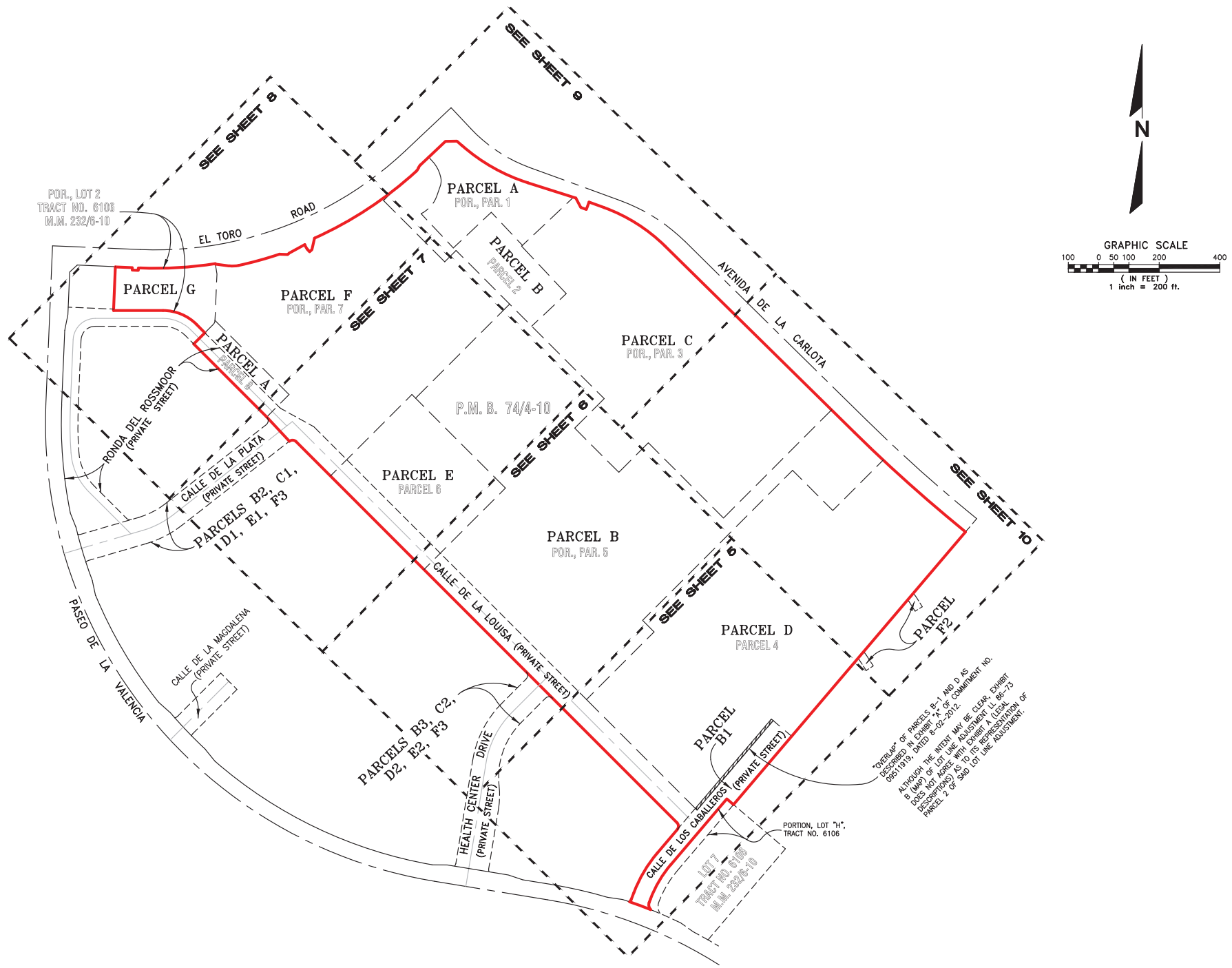
A.L.T.A. / A.C.S.M. LAND TITLE SURVEY

CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA



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PREPARED BY:

R.A. Smith National
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24155 LAGUNA HILLS MALL
LAGUNA HILLS, CALIF. 92653

COMMONWEALTH LAND TITLE INSURANCE COMPANY
COMMITMENT NO. 09511919

PREPARED FOR:

SIMON
225 W. Washington Street
Indianapolis, IN 46204

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R.A. Smith National, Inc.

DATE: 09/21/12
SCALE: 1"=200'
JOB NO. 3110188
PROJECT MANAGER: CHRIS BRATTY
DESIGNED BY: TFW
CHECKED BY: JEA

SHEET NUMBER
4

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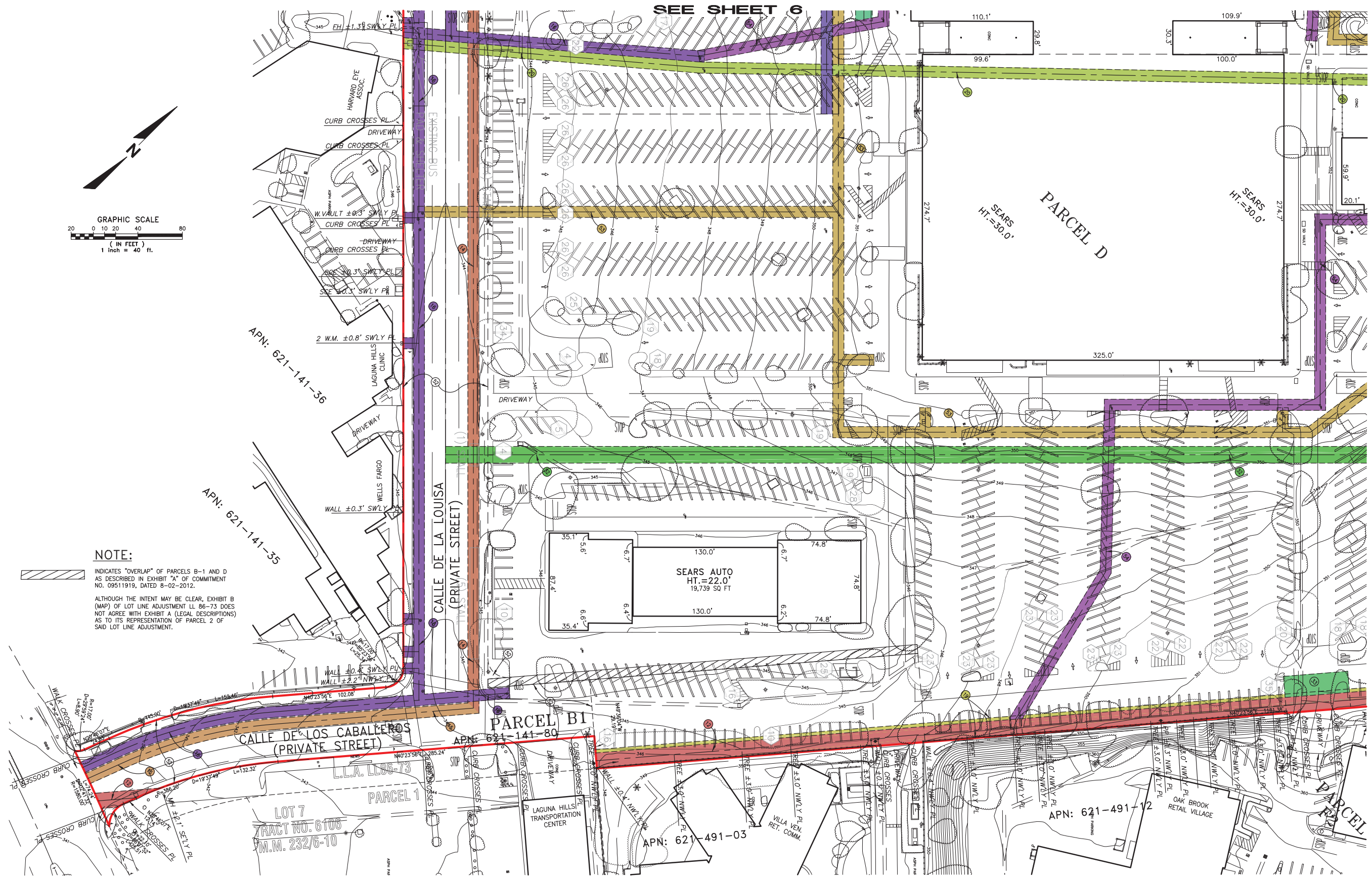
A.L.T.A. / A.C.S.M. LAND TITLE SURVEY

CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA



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PREPARED BY:

R.A. Smith National
Beyond Surveying and Engineering
8881 Research Drive, Irvine, CA 92618
949-872-2378, www.rasmithnational.com
Appleton, WI — Brookfield, WI — Pittsburgh, PA

LAGUNA HILLS MALL
24155 LAGUNA HILLS MALL
LAGUNA HILLS, CALIF. 92653

COMMONWEALTH LAND TITLE INSURANCE COMPANY
COMMITMENT NO. 09511919

PREPARED FOR:

SIMON
225 W. Washington Street
Indianapolis, IN 46204

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R.A. Smith National, Inc.

DATE: 09/21/12
SCALE: 1"=40'
JOB NO. 3110188
PROJECT MANAGER: CHRIS BRATTY
DESIGNED BY: TFW
CHECKED BY: JEA

SHEET NUMBER
5

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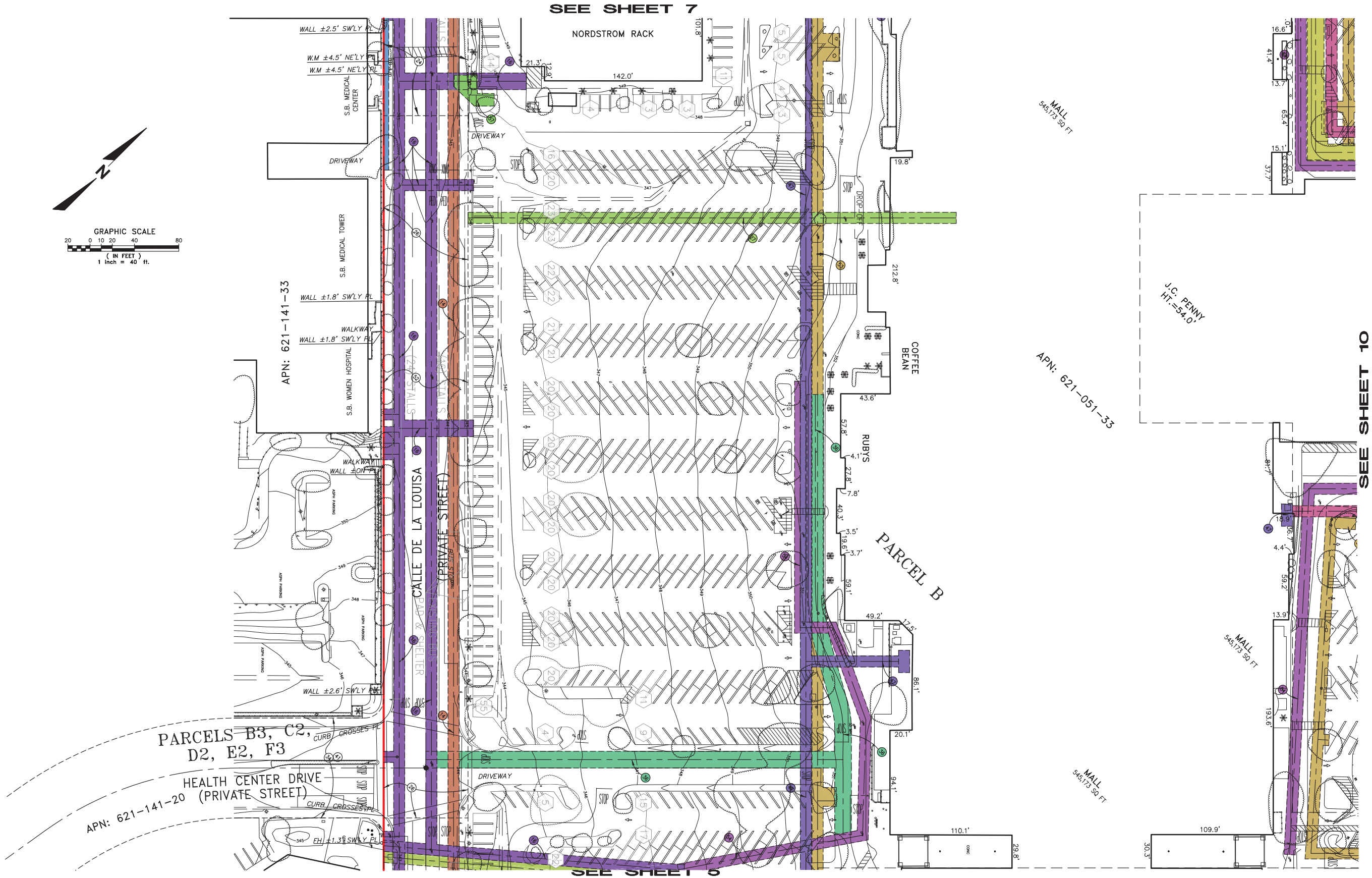
A.L.T.A. / A.C.S.M. LAND TITLE SURVEY

CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA



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PREPARED BY:

R.A. Smith National

Beyond Surveying and Engineering

8881 Research Drive, Irvine, CA 92618
949-872-2378, www.rasmithnational.com
Appleton, WI Brookfield, WI Pittsburgh, PA

LAGUNA HILLS MALL
24155 LAGUNA HILLS MALL
LAGUNA HILLS, CALIF. 92653

COMMONWEALTH LAND TITLE INSURANCE COMPANY
COMMITMENT NO. 09511919

PREPARED FOR:

SIMON
225 W. Washington Street
Indianapolis, IN 46204

© COPYRIGHT 2012
R.A. Smith National, Inc.

DATE: 09/21/12
SCALE: 1"=40'
JOB NO. 3110188
PROJECT MANAGER: CHRIS BRATTY
DESIGNED BY: TFW
CHECKED BY: JEA

SHEET NUMBER
6

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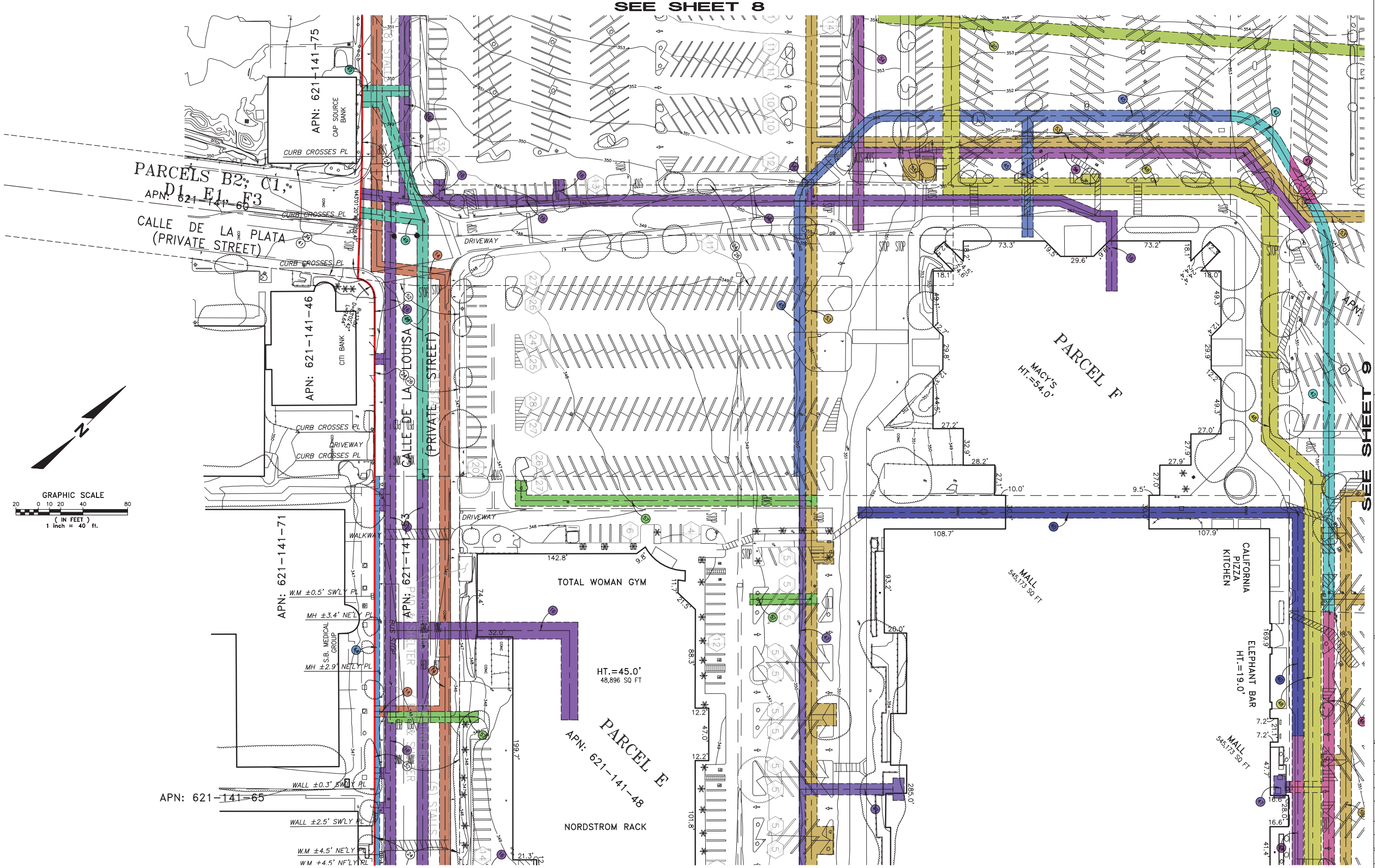
A.L.T.A. / A.C.S.M. LAND TITLE SURVEY

CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA

SEE SHEET 8



SEE SHEET 6

DATE	DESCRIPTION
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PREPARED BY:

R.A. Smith National

Beyond Surveying and Engineering

8881 Research Drive, Irvine, CA 92618
949-872-2378, www.rasmithnational.com
Appleton, WI Brookfield, WI Pittsburgh, PA

LAGUNA HILLS MALL
24155 LAGUNA HILLS MALL
LAGUNA HILLS, CALIF. 92653

COMMONWEALTH LAND TITLE INSURANCE COMPANY
COMMITMENT NO. 09511919

PREPARED FOR:

SIMON
225 W. Washington Street
Indianapolis, IN 46204

© COPYRIGHT 2012
R.A. Smith National, Inc.

DATE: 09/21/12
SCALE: 1"=40'
JOB NO. 3110188
PROJECT MANAGER: CHRIS BRATTY
DESIGNED BY: TFW
CHECKED BY: JEA

SHEET NUMBER
7

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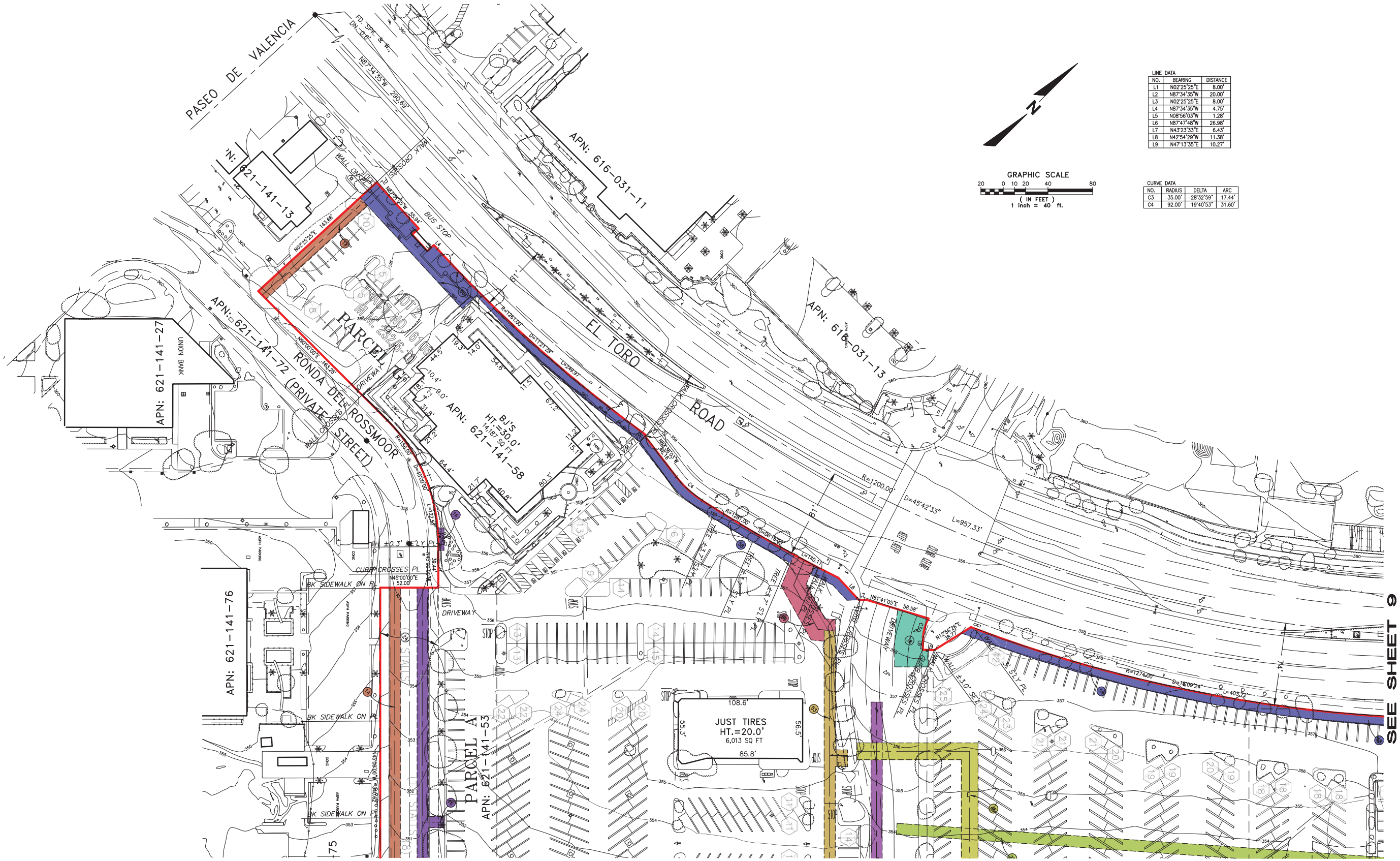
A.L.T.A. / A.C.S.M. LAND TITLE SURVEY

CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA



LINE DATA

NO.	BEARING	DISTANCE
L1	N02°25'25"E	8.00'
L2	N87°34'35"W	20.00'
L3	N02°25'25"E	8.00'
L4	N87°34'35"W	4.75'
L5	N08°56'03"W	1.28'
L6	N87°47'48"W	26.98'
L7	N43°23'33"E	6.43'
L8	N42°54'29"W	11.38'
L9	N47°13'35"E	10.27'

CURVE DATA

NO.	RADIUS	DELTA	ARC
C3	35.00'	28°32'59"	17.44'
C4	92.00'	19°40'53"	31.60'

SEE SHEET 9

SEE SHEET 7

DATE	DESCRIPTION
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PREPARED BY:

R.A. Smith National
Beyond Surveying and Engineering
8881 Research Drive, Irvine, CA 92618
949-872-2378, www.rasmithnational.com
Appleton, WI Brookfield, WI Pittsburgh, PA

LAGUNA HILLS MALL
24155 LAGUNA HILLS MALL
LAGUNA HILLS, CALIF. 92653

COMMONWEALTH LAND TITLE INSURANCE COMPANY
COMMITMENT NO. 09511919

PREPARED FOR:

SIMON
225 W. Washington Street
Indianapolis, IN 46204

© COPYRIGHT 2012
R.A. Smith National, Inc.

DATE: 09/21/12
SCALE: 1"=40'
JOB NO. 3110188
PROJECT MANAGER: CHRIS BRATTY
DESIGNED BY: TFW
CHECKED BY: JEA

SHEET NUMBER
8

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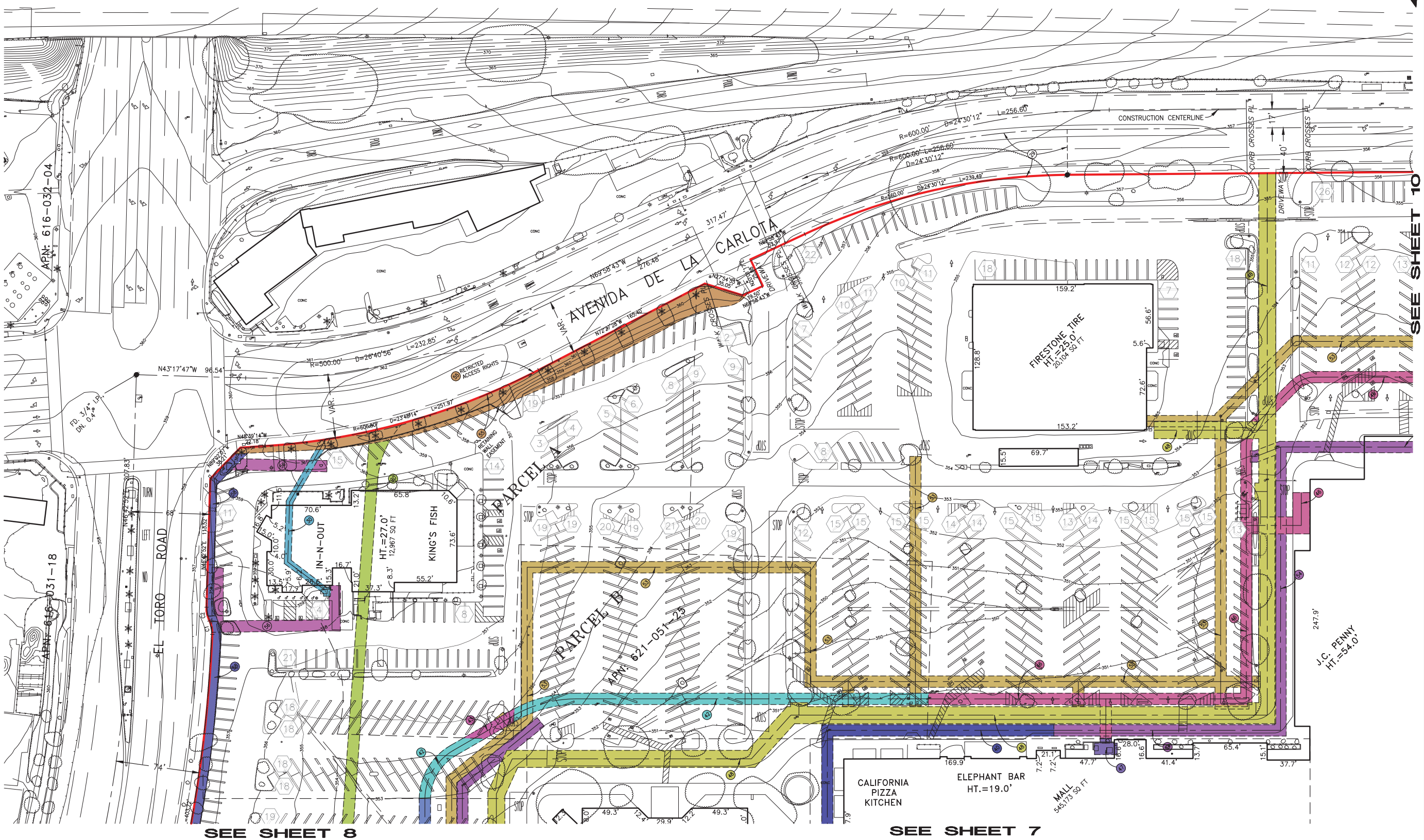
A.L.T.A. / A.C.S.M. LAND TITLE SURVEY

CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA

CURVE DATA

NO.	RADIUS	DELTA	ARC
C1	25.00'	28°52'43"	12.60'
C2	25.00'	28°00'24"	12.22'

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 40 ft.



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LAGUNA HILLS MALL
24155 LAGUNA HILLS MALL
LAGUNA HILLS, CALIF. 92653

COMMONWEALTH LAND TITLE INSURANCE COMPANY
COMMITMENT NO. 0951191 9

PREPARED FOR:

SIMON
225 W. Washington Street
Indianapolis, IN 46204

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R.A. Smith National, Inc.

DATE: 09/21/12
SCALE: 1"=40'
JOB NO. 3110188
PROJECT MANAGER: CHRIS BRATTY
DESIGNED BY: TFW
CHECKED BY: JEA

SHEET NUMBER
9

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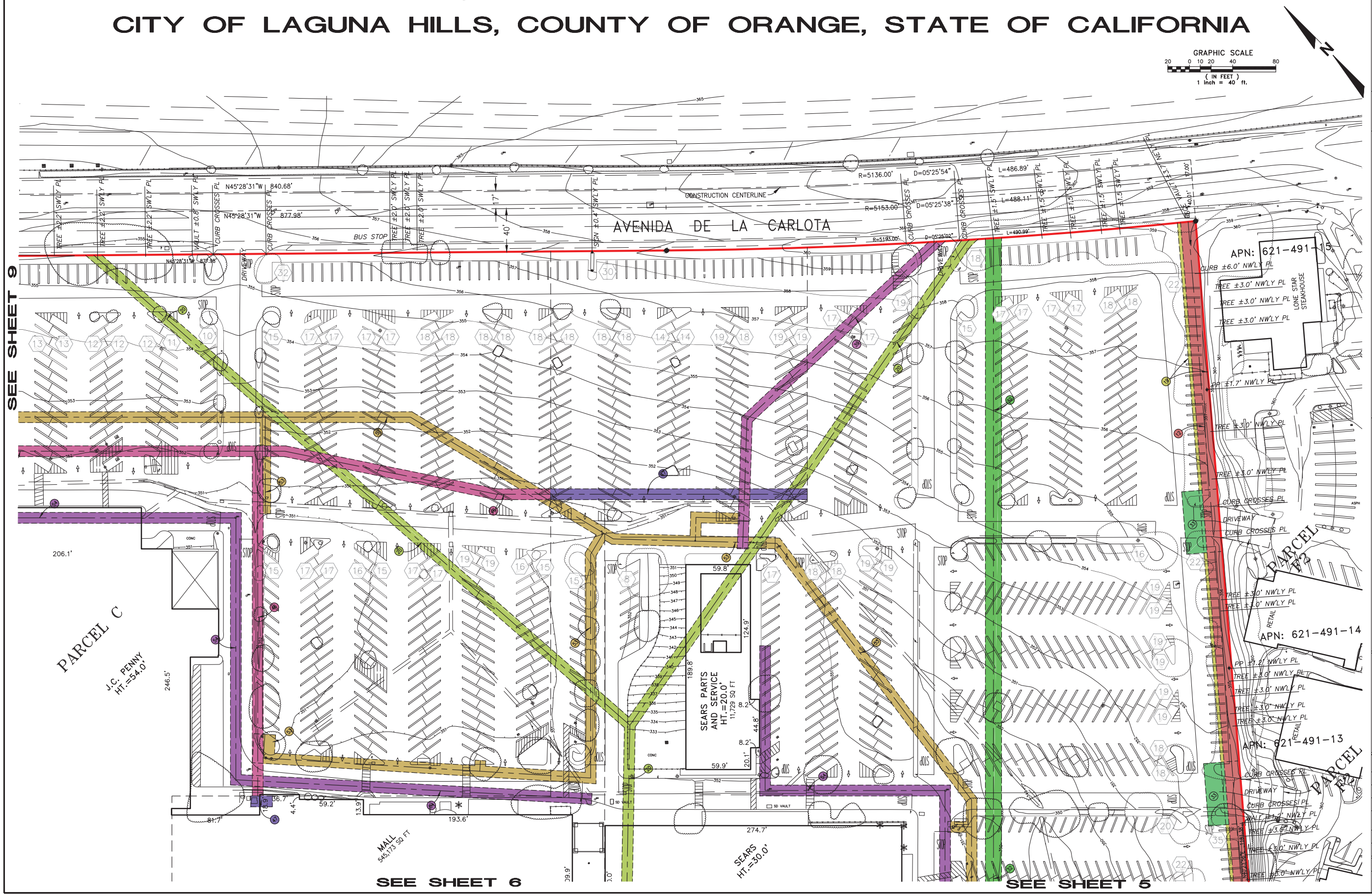
A.L.T.A. / A.C.S.M. LAND TITLE SURVEY

CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA



DATE	DESCRIPTION
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PREPARED BY:

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Beyond Surveying and Engineering

8881 Research Drive, Irvine, CA 92618
949-872-2378, www.rasmithnational.com
Appleton, WI Brookfield, WI Pittsburgh, PA

LAGUNA HILLS MALL
24155 LAGUNA HILLS MALL
LAGUNA HILLS, CALIF. 92653

COMMONWEALTH LAND TITLE INSURANCE COMPANY
COMMITMENT NO. 09511919

PREPARED FOR:

SIMON
225 W. Washington Street
Indianapolis, IN 46204

© COPYRIGHT 2012
R.A. Smith National, Inc.

DATE: 09/21/12
SCALE: 1"=40'
JOB NO. 3110188
PROJECT MANAGER: CHRIS BRATTY
DESIGNED BY: TFW
CHECKED BY: JEA

SHEET NUMBER
10

Q:\3110188\dwg\RASN ALTA\ALTA-S10.dwg, Model, 9/21/2012 4:02:55 PM, rmk2

Easement No. 110
W.O. No. 34-203
Recorded at the request of
ROSSMOOR WATER COMPANY

When recorded mail to:
ROSSMOOR WATER COMPANY
Post Office Box 4000
Laguna Hills, California 92653

Deed of Easement from:
Rossmoor Corporation
Dated: July 13, 1973
Re: 18" Main
Regional Shopping Center

26381

$900

RECORDED AT REQUEST OF
FIRST AMER. TITLE INS. CO.
IN OFFICIAL RECORDS OF
ORANGE COUNTY, CALIF.
8:01 AM APR 26 1974
A. MUSE CARLE, County Recorder

III 1129R 210

APR 26 1974

LOCATOR

POSTER

A.P. LOG

NO CONSIDERATION
NO STAMPS REQUIRED
Rossmoor/Laguna

DEED OF EASEMENT

For valuable consideration, ROSSMOOR CORPORATION, a California corporation, hereinafter called "Grantor", does hereby grant to ROSSMOOR WATER COMPANY, a California corporation, hereinafter called "Grantee", its successors and assigns, for the purpose herein-after set forth and for such purposes only, a non exclusive easement and right of way under and across the lands of Grantor situated in Laguna Hills, County of Orange, State of California, more particularly described on Exhibit "A" attached hereto and made a part hereof, and more particularly shown on the map attached hereto and made a part hereof as Exhibit "B".

The easement and right of way herein described shall be used by Grantee to construct, lay, install, use, maintain, alter, add to, repair, replace, inspect and/or remove, at any time and from time to time, a 16" asbestos cement water main consisting of pipe and appurtenances.

Except as expressly approved in writing by Grantor, no structure shall be maintained by Grantee herein upon the surface of the ground. Grantee agrees to raise or lower manhole and/or handhole castings to conform to planters, parking area, or driveway surfaces, and/or other landscape structures.

Grantor retains the right to use (1) the surface areas, and (2) to the extent such use is not inconsistent with Grantee's use of subsurface areas, the non-exclusive right to use the subsurface areas of the easement and right of way in such manner as Grantor shall deem proper. In the event any of the facilities installed hereunder interfere with the operation of Grantor on said real property, Grantee shall, within ninety (90) days after receiving written notice from Grantor so to do, at Grantor's own cost and expense, relocate to a location satisfactory to Grantor upon said real property such of said facilities so interfering or remove completely; provided however, that Grantor at the same time shall grant to Grantee all rights Grantee may need to effect any such relocation and to assure a satisfactory installation and operation at any new location.

In its use of the easement and right of way and in the installation of any water facilities or any equipment incidental thereto and in the performance of any of the work which Grantee is authorized to perform in the area of such easement and right of way, Grantee shall avoid any damage or interference with other installations in the area of such easement or right of way.

P.J.M.
APR 10 1974

COPY OF ROSSMOOR WATER CO.

70-4-0-70

M 11129% 211

Grantee shall have the right of reasonable ingress and egress to the area of such easement and the right of way subject to the uses which Grantor is making of the surface area of such easement.

Grantee accepts the easement and right of way with the knowledge that Grantor intends to improve the ground area above the easement herein granted and to use the same for motor vehicle parking and other purposes. In making any installations or in the performance of any work, Grantee shall adequately protect its installations against such use. Grantee shall complete all such installations prior to the date upon which Grantor shall notify Grantee that it intends to make such improvements upon the surface area of the easement and right of way.

In making use of the easement, Grantee shall:

(a) Make adequate provision for the safety and convenience of all persons using such areas or other improvements or facilities in such area;

(b) Replace and restore the areas and improvements to the condition in which they were prior to the performance of such work;

(c) Be liable for and indemnify Grantor against any and all loss and liability which may result to Grantor from any negligent act or omission of Grantee in the exercise of its rights hereunder and hold Grantor harmless against claims including costs and attorneys' fees arising from its use of such area;

(d) Maintain all pipelines and other facilities at all times as free from leaks as is possible in the exercise of reasonable diligence; any leaks that may develop shall be promptly repaired at Grantee's expense

In its use of the easement and right of way herein granted, Grantee shall not permit any claim, lien, or other encumbrance arising from such use to accrue against or attach to said easement or right of way or the interest of Grantor in the lands over or under which this easement is granted.

Such easement shall terminate upon the cessation of use for more than one (1) year unless notice is given in writing of circumstances affecting such suspension and an intention of resumption of use.

COPY OF MISSOURI WATER CO.

APR 26 1974
LOCATOR
POSTER
A.P. LOG
COMPARE

PJM
APR 10 1974

Page 3 of 7 Pages
Easement No. 110
W.O. No. 34-203
Dated: July 13, 1973
Re: 16' Main-Regional Shopping Center

BK 11295 PG 212

IN WITNESS WHEREOF, this instrument is executed the 4th day of April, 1974.

ROSSMOOR CORPORATION

By: H.W. Harper, Vice President

By: Louis P. Heinreich, Assistant Secretary

STATE OF CALIFORNIA)
) SS:
COUNTY OF ORANGE)

APPROVED AS TO FORM BY COUNSEL
April, 19 74 By: [illegible]

On April 4th, 1974, before me, the undersigned a Notary Public in and for said County and State, personally appeared H.W. Harper known to me to be the Vice President and Louis P. Heinreich known to me to be the Assistant Secretary of the Corporation that executed the within instrument on behalf of the Corporation therein named, and acknowledged to me that such Corporation executed the within instrument pursuant to its by-laws or a resolution of its Board of Directors.

WITNESS my hand and official seal.

OFFICIAL SEAL
FRED T. WILKINSON
NOTARY PUBLIC-CALIFORNIA
PRINCIPAL OFFICE IN
ORANGE COUNTY
My Commission Expires July 25, 1977

Notary Public in and for said County and State

WE HEREBY CONSENT to the foregoing document subject to the following conditions:

1. Except as expressly approved in writing by the Under-signed, no structure shall be maintained by Grantee herein upon the surface of the ground. Grantee agrees to raise or lower manhole and/or handhole castings to conform to planters, parking area or driveway surfaces and/or other landscape structures.

2. The Undersigned retains the right to use (a) the surface areas and (b) to the extent such use is not inconsistent with Grantee's use of subsurface areas of the easement and right of way in such manner as the Undersigned shall deem proper. In the event any of the facilities installed hereunder interfere with the operation of the Undersigned on said real property, Grantee shall, within ninety (90) days after receiving written notice from the Undersigned so to do,

PJM
APR 10 1974

APR 26 1974
LOCATOR
POSTER
A.P. LOG
COMPARE
COPY OF ROSSMOOR WATER CO.

M11295 213

2. CONT.

at the Undersigned's own cost and expense, relocate to a location satisfactory to the Undersigned upon said real property such of said facilities so interfering, or remove completely; provided, however, that the Undersigned at the same time shall grant to Grantee all rights Grantee may need to effect any such relocation and to assure a satisfactory installation and operation at any new location.

3. In its use of the easement and right of way and in the installation of any pipes, mains or any equipment incidental thereto and in the performance of any of the work which Grantee is authorized to perform in the area of such easement and right of way, Grantee shall avoid any damage or interference with other installations in the area of such easement or right of way.

4. Grantee accepts the easement and right of way with the knowledge that the Undersigned intends to improve the ground area above the easement herein granted and to use the same for motor vehicle parking and other purposes. In making any installations or in the performance of any work, Grantee shall adequately protect its installations against such use. Grantee shall complete all such installations prior to the date upon which the Undersigned shall notify Grantee that it intends to make such improvements upon the surface area of the easement and right of way.

5. In making use of the easement, Grantee shall:

(a) Make adequate provision for the safety and convenience of all persons using such areas or other improvements or facilities in such area;

(b) Replace and restore the areas and improvements to the condition in which they were prior to the performance of such work;

(c) Be liable for and indemnify the Undersigned against any and all loss and liability which may result to the Undersigned from any negligent act or omission of Grantee in the exercise of its rights hereunder and hold the Undersigned harmless against claims including costs and attorneys' fees arising from its use of such area;

(d) Maintain all pipelines and other facilities at all times as free from leaks as is possible in the exercise of reasonable diligence; any leaks that may develop shall be promptly repaired at Grantee's expense.

6. In its use of the easement and right of way herein granted, Grantee shall not permit any claim, lien or other encumbrance arising from such use to accrue against or attach to said easement or right of way or the interest of the Undersigned in the lands over or under which this easement is granted.

7. Such easement shall terminate upon the cessation of use from more than one (1) year unless notice is given in writing of circumstances affecting such suspension and an intention of resumption of use.

PJM
APR 10 1974

COPY OF ROSEMOOR WATER CO.
APR 26 1974
LOCATOR
POSTER
A.P. LOG
COMPARE

Page 5 of 7 Pages
Easement No. 110
W.O. No. 34-203
Dated: July 13, 1973
Re: 16" Main-Regional Shopping Center

M 11129 PG 214

DATED:

SEARS, ROEBUCK AND CO.

By: _____
Vice President

By: _____
Assistant Secretary

STATE OF CALIFORNIA)
) SS:
COUNTY OF LOS ANGELES)

On April 10th, 1974, before me, the undersigned a Notary Public in and for said County and State, personally appeared _____ J. G. LONG _____ known to me to be the _____ VICE President and _____ VINCENT W. JONES _____ known to me to be the ASSISTANT Secretary of the Corporation that executed the within instrument on behalf of the Corporation therein named, and acknowledged to me that such Corporation executed the within instrument pursuant to its by-laws or a resolution of its Board of Directors.

WITNESS my hand and official seal.

_____
Notary Public in and for said County and State

OFFICIAL SEAL
R. C. OWENS
NOTARY PUBLIC - CALIFORNIA
PRINCIPAL OFFICE IN
LOS ANGELES COUNTY
My Commission Expires January 11, 1975

PJM
APR 1 0 1974

COPY OF ROSEMOOR WATER CO.

APR 26 1974
LOCATOR
POSTER
A.P. LOG
COMPARE

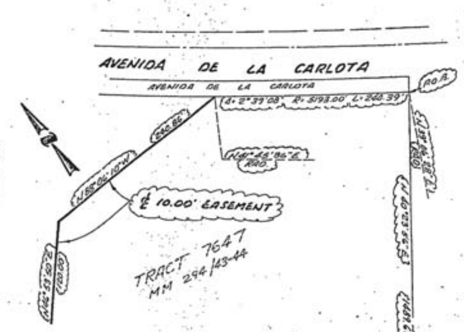
Page 6 of 7 Pages
Easement No. 110
W.O. No. 34-203
Easement From:
Rossmoor Corporation
Dated: July 13, 1973
Re: 16" Main -
Regional Shopping Center

NOTE WHERE AN EASEMENT TERMINATES AT A LOT BOUNDARY, THE BOUNDARY OF ANOTHER EASEMENT OR THE PROPERTY LINE OF A STREET, THE SIDELINES SHALL BE PROLONGED OR SHORTENED TO TERMINATE IN SAID BOUNDARY OR PROPERTY LINE.

NOTE: THE SIDELINES OF SAID EASEMENT SHALL BE PROLONGED OR SHORTENED AT ANGLE POINTS WHERE NECESSARY FOR SIDELINES TO MEET.

BK 11129 PG 215
BOOK
PAGE

[redacted] APR 26 1974 LOCATOR POSTER A.P. LOG COMPARE M



COPY OF ROSSMOOR WATER CO.

Lewis J. Ewing
R.C.E. 14687

ROSSMOOR WATER COMPANY

EXHIBIT "A"	SHEET 1OF 1
WATERLINE EASEMENT TR. 7467 ROSSMOOR WATER COMPANY, INC.	
TOUPS ENGINEERING INC.	
SCALE: None	DATE: 7/11/73
BY: J.F.R.	

PJM

APR 10 1974

Page 7 of 7 Pages
Easement No. 110
W.O. NO. 34-203
Easement From:
Rossmoor Corporation
Dated: July 13, 1973
Re: 16" Main
Regional Shopping Center

M 11129 PG 216
BOOK _____
PAGE _____

A strip of land 10.00 feet in width as shown on plat marked "EXHIBIT A" attached hereto and made a part hereof, over Tract No. 7467, as recorded in Miscellaneous Maps, Book 294, Pages 43 through 44 inclusive, Records of Orange County, California.

COPY OF ROSSMOOR WATER CO.

Lewis J. Ewing, Jr.
R.C.E. 14887

ROSSMOOR WATER COMPANY

EXHIBIT "B" SHEET 1 OF 1

WATERLINE EASEMENT TR. 7467
ROSSMOOR WATER COMPANY, INC.

TOUPS ENGINEERING INC.
SCALE: DATE: 7/11/73
BY: D.J.M.

APR 10 1974

APR 26 1974
LOCATOR
POSTER
A.P. LOG
COMPARE
M

The O'Connor Group
Menlo Park Regional Office

6

Memorandum

To: Jack Phelan
From: Kim Gross KG
Date: April 6, 1995
Subject: Laguna environmental proceeds

Attached you will find copies of checks which amount to $391,000. These checks represent settlement payments for environmental issues at Laguna Mall. The full amount was deposited to the SCA bank account on March 14, 1995. These proceeds will be booked in March into Laguna's property level financials as an offset to the expenses incurred in connection with the environmental issue. If you should have any questions please give me a call at extension 204.

ALLEN, MATKINS, LECK, GAMBLE & MALLORY
ATTORNEYS AT LAW
A PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS

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JOHN C. GAMBLE
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WEST LOS ANGELES OFFICE
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LOS ANGELES, CALIFORNIA 90067-6050
TELEPHONE (310) 788-2400
FACSIMILE (310) 788-2410

March 6, 1995

OUR FILE NUMBER:
06139-004
9505902Q.LA1

WRITER'S DIRECT DIAL NUMBER:

VIA FEDERAL EXPRESS

Mr. Glenn Rufrano
The O'Connor Group
399 Park Avenue, 25th Floor
New York, New York 10022

Re: Shopping Center Associates v. HomeFed Bank, et al.

Dear Glenn:

Enclosed are settlement payments from Shell Oil Company, in the amount of $60,000, 405 Hotel Associates' insurer, Great American Insurance Companies, in the amount of $20,000, and RTC/HomeFed's counsel's trust account, in the amount of $36,000. These settlement checks may be negotiated immediately.

Additionally, Rossmoor Corporation's and LHC Associates' insurers have wire transferred the sum of $265,000 to Allen, Matkins' client trust account. In order to issue you a check for that amount, we will need a writtten authorization from your office to disburse that amount to Shopping Center Associates. To that end, countersigning this letter in the space designated below will serve as Shopping Center Associates' authorization for Allen, Matkins to disburse the sum of $265,000, payable to Shopping Center Associates.

We continue to await the payment of $10,000 from Arco. Once we receive said payment, we will forward it to your attention and, thereafter, file the appropriate stipulation for dismissal of the action. With the filing of the stipulation for dismissal, and assuming that Transcontinental Insurance Co. honors its contractual obligation to remediate the Laguna Hills Mall, this matter will essentially be concluded. We will continue to monitor this matter, and we recommend that Shopping Center Associates' environmental consultant, Jim Howard, continue to monitor the remediation activities to ensure that the cleanup takes place in a satisfactory manner.

Nevertheless, we believe that the representations and commitments which were extracted from the defendants and their insurers in connection with the settlement of this action will be sufficient to ensure their prompt compliance without the need for our further intervention. In light of the foregoing, I wanted to take the opportunity to say it was a pleasure working with you on this matter. If I or anyone at Allen, Matkins can be of further assistance on this or any other matter, please do not hesitate to call.

Very truly yours,

Lee A. Shiram

LAS/smh
encls.

cc: Frederick L. Allen, Esq.
Anthony J. Oliva, Esq.

I HEREBY AUTHORIZE ALLEN, MATKINS, LECK, GAMBLE & MALLORY
TO DISBURSE THE SUM OF $265,000 PAYABLE TO SHOPPING CENTER ASSOCIATES.

GLENN RUFRANO

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March 9, 1995

OUR FILE NUMBER:
06139-004
95068012.LA1

WRITER'S DIRECT DIAL NUMBER:

VIA FEDERAL EXPRESS

Mr. Glenn J. Rufrano
The O'Connor Group
399 Park Avenue, 25th Fl.
New York, NY 10022

Re: Shopping Center Associates v. HomeFed Bank, et al.

Dear Glenn:

I am in receipt of your counter-signature authorizing Allen, Matkins to disburse the settlement proceeds wire-transferred to our client trust account. Accordingly, enclosed is a check, payable to Shopping Center Associates, in the amount of $265,000. I continue to await ARCO's payment of $10,000 and will forward it to you immediately upon receipt of the same.

Should you have any questions regarding the foregoing, please feel free to call me.

Very truly yours,

Lee A. Shirani

LAS/smh
Encl.

ATLANTIC RICHFIELD CO Check No 1087921 Sequence No. 001589 0839

THE FACE OF THIS CHECK HAS A COLORED BACKGROUND NOT A WHITE BACKGROUND

PAY TEN THOUSAND AND NO/100 DOLLARS ****** $10,000.00 02/24/95

598612

TO THE ORDER OF SHOPPING CENTER ASSO.C/O ALLEN
MATKINS, LECK,GAMBLE & MALLORY
515 SOUTH FIGUEROA STREET
LOS ANGELES CA
90071

Peggy S Davis

REPUBLIC BANK
SHELBYVILLE, KENTUCKY

GD006

THE BACK OF THIS CHECK CONTAINS A FACSIMILE WATERMARK CAN BE SEEN AT AN ANGLE

⑈01087921⑈ ⑆083904262⑆ 09 93077⑈

Deposit Checking

SHOPPING CENTER ASSOC.
200 PARK AVENUE
NEW YORK, NY 10166

Date 3/14 19 95

Please use this ticket for making deposits in person or by mail. When mailing deposit, write "Pay Citibank, N.A. for deposit" on checks before endorsing and fill in address above. Use registered mail for deposits containing cash or coupons.

Citibank, N.A.
NABG SORT 3979
New York, N.Y.
10043

CITIBANK

		Dollars	Cents
Cash			
Checks	1	10000	—
List Separately	2		
	3		
	4		
	5		
	6		
	7		
	Total	10,000	—

863 40496311⑈ 28

ALL DEPOSITED CHECKS SUBJECT TO FINAL COLLECTION

settlement proceeds
for [illegible]

to Laguna - Environmental
Investment proceeds

No Carbon Required

SHOPPING CENTER ASSOC.
200 PARK AVENUE
NEW YORK, NY 10166

Date 3/13 19 95

Please use this ticket for making deposits in person or by mail. When mailing deposit, write "Pay Citibank, N.A. for deposit" on checks before endorsing and fill in address above. Use registered mail for deposits containing cash or coupons.

CITIBANK

Citibank, N.A.
NABG
New York, N.Y.
10043

SORT 3979

Deposit Checking

		Dollars	Cents
Cash			—
Checks List Separately	1	36,000	—
	2	80,000	—
	3	60,000	—
	4	265,000	—
	5		
	6		
	7		
	Total	381,000	—

863 4049631 1" 28

ALL DEPOSITED CHECKS SUBJECT TO FINAL COLLECTION

MAHER AND RENZI
TRUST ACCOUNT
5000 BIRCH ST. SUITE 9500
NEWPORT BEACH, CA 92660
714/721-7555

2-24 1995

1089
16-24
1220(7)

Pay to the order of Shopping Center Associates $36,000.00

thirty six Thousand & 00/100 Dollars

SEAL BEACH OFFICE
WELLS FARGO BANK
12331 SEAL BEACH BLVD. SEAL BEACH, CA 90740

For 1068.003 RTC

Cynthia R. Maher

⑆122000247⑆ 089 0663 03⑈0821⑈

Rocky Mountain Bank Note DF32

CLAIM NO.: 975 532002 01 1
POLICY NO.: TMP6724809
DATE/LOSS : 06/05/85
INSURED: D.B. HOTEL CORP
CLAIMANT: SHOPPING CENTER ASSOC

GREAT AMERICAN INSURANCE COMPANIES
AMERICAN NATIONAL FIRE INSURANCE CO.
580 WALNUT STREET
CINCINNATI, OHIO 45202

No. 903-785977

DATE: 12/09/94

STMT. OF ACCT.: FULL & FINAL SETTLEMENT OF CASE NO. 634507.

PAY: THE SUM OF 20,000 DOLLARS AND 00 CENTS

$*****20,000.00**

UPON Acceptance of this DRAFT by DRAWER

PAY TO THE ORDER OF SHOPPING CENTER ASSOCIATES

PRODUCER: WALLACE & SKILES, INC.
5001 LBJ FRWY. SU 800
DALLAS TX 75244

DRAFT PAYABLE THROUGH:
THE PROVIDENT BANK
CINCINNATI, OH
13-42/420

Great American Insurance Companies

By: Gary J. Gruber

Gary J. Gruber, Senior Vice President & Treasurer

⑈004209064⑈ ⑆042202426⑆ 0437⑈013⑈

ESIS
An Insurance Services Company

ES 11 109248

51-44
119

FILE ID
1020 142 110643 5

DATE
02/17/95

DOLLARS
$ 60,000.00

Shawmut Bank, Connecticut, Hartford, CT or payable at the First Interstate Bank, San Francisco, Main Office, S.F. CA.

PAY SIXTY THOUSAND DOLLARS AND NO/100

TO THE ORDER OF
SHOPPING CENTER ASSOCIATES

ZIP

AUTHORIZED SIGNATURE

DATE OF EVENT
01/01/93

FOR
SETTLEMENT CASE #634507

CLAIM OFFICE
HOUSTON

CLIENT
SHELL OIL COMPANY

CLAIMANT
SHOPPING CENTER ASSOCIATION

⑈ 1109248⑈ ⑆011900445⑆ 2955⑈

ALLEN, MATKINS, LECK,
GAMBLE & MALLORY

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

DELUXE FORM TWVO-4 V-2

DATE	DESCRIPTION	AMOUNT
3/3/95	Settlement Proceeds.	$265,000.00

V-2

ALLEN, MATKINS, LECK,
GAMBLE & MALLORY
TRUST ACCOUNT
515 S. FIGUEROA ST., 8TH FLR.
LOS ANGELES, CA 90071

LOS ANGELES
WELLS FARGO BANK
333 SOUTH GRAND AVENUE, LOS ANGELES, CA 90071

16-24/600
1220

PAY $265,000.00

TO THE ORDER OF Shopping Center Associates

DATE	AMOUNT
March 3, 1995	$265,000.00

⑈001820⑈ ⑆122000247⑆0600 030993⑈

ALLEN, MATKINS, LECK,
GAMBLE & MALLORY

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

DELUXE FORM TWVO-4 V-2

DATE	DESCRIPTION	AMOUNT
3/3/95	Settlement Proceeds.	$265,000.00

V-2

ALLEN, MATKINS, LECK, GAMBLE & MALLORY

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April 7, 1995

OUR FILE NUMBER:
A0045-136
9509701J.LA1

WRITER'S DIRECT DIAL NUMBER:

Mr. John E. Phelan
The O'Connor Group
399 Park Avenue
New York, NY 10022

Re: Shopping Center Associates v. HomeFed Bank, et al.

Dear Jack:

Pursuant to our conversation earlier today, enclosed is a fully executed copy of the Settlement Agreement relative to the above-referenced lawsuit. Additionally, I am enclosing copies of the Stipulation for Dismissal recently entered by the Court, as well as the Tolling Agreement whereby the lawsuit is placed in abeyance (with respect to Rossmoor Corporation and LHC Associates) pending the completion of the remediation at the Laguna Hills Mall.

As we discussed, with Shopping Center Associates' prior receipt of the settlement funds, Shopping Center Associates may now await the completion of the ongoing remediation on or about the Laguna Hills Mall. We recommend that Dr. Jim Howard continue to monitor the remediation to ensure that the clean up is taking place in a manner satisfactory to Shopping Center Associates.

It has been a pleasure working with you on this matter. Should you need any further assistance on this or any other matter, please do not hesitate to call on us.

Very truly yours,

Lee A. Shirani

LAS/gag
Enclosures

cc: Frederick L. Allen, Esq.
Anthony J. Oliva, Esq.

AGREEMENT REGARDING TOLLING OF STATUTES OF LIMITATIONS AND OTHER TIME LIMITS

This Agreement Regarding Tolling of Statutes of Limitations and Other Time Limits ("Tolling Agreement") is made and entered into as of this 5th day of January, 1995, ("Tolling Agreement Effective Date") by and between Shopping Center Associates, a New York general partnership ("SCA"), on the one hand, and Rossmoor Corporation, a dissolved California corporation, Rossmoor Partners, L.P. and LHC Associates, a California general partnership (collectively the "Rossmoor Defendants"), on the other hand.

RECITALS

A. Pursuant to Cleanup and Abatement Order 88-109 (the "C&A Order"), some of the Rossmoor Defendants (among others) have been ordered by the California Regional Water Quality Control Board, Santa Ana Region ("RWQCB"), to remediate the petroleum hydrocarbon discharges at or beneath real property commonly known as the Laguna Hills Mall (the "Mall Property") and at or beneath areas surrounding the Mall Property.

B. On or about August 28, 1990, SCA filed a Complaint for nuisance, trespass and negligence, among other causes of action ("Original Complaint"), as more fully set forth in the Original Complaint in the Orange County Superior Court case entitled Shopping Center Associates v. HomeFed Bank, et al., Case No. 634507 (the "Action"), which Action was subsequently removed

to United States District Court, Central District of California (the "Court"), Case No. SACV92-639GLT. Thereafter, SCA sought and was granted leave to file a Third Amended Complaint (the "Complaint").

C. In the Action, SCA sought to recover damages from the Rossmoor Defendants, among others, arising from the alleged contamination of the Mall Property by hazardous substances and other contaminants, including petroleum hydrocarbons, which substances and contaminants have migrated from sources upgradient and/or cross-gradient from the Mall Property onto the Mall Property and into the soil and ground water thereunder.

D. The Rossmoor Defendants answered the Original Complaint and, among other things, denied any responsibility for the facts pleaded in the Complaint.

E. The parties recognize that the judicial resolution of such claims and disputes will be costly and time consuming and desire to resolve their claims and disputes, in accordance with the terms and conditions of the Settlement Agreement and Release ("Agreement") entered into by, between and among SCA and the Rossmoor Defendants, among others. Further, in connection with that effort, and without acquiescing to or conceding the correctness of the others' claims, contentions or defenses, SCA and the Rossmoor Defendants, in consideration of the mutual covenants and conditions set forth in the Agreement, the Stipulation for Dismissal ("Stipulation") and this Tolling

Agreement, desire to abate the litigation at this time, under the terms and conditions of this Tolling Agreement, the Agreement and the Stipulation, executed concurrently with the Tolling Agreement filed with the Court.

Now, therefore, without otherwise waiving or relinquishing any rights, claims, contentions, or defenses they presently have or claim to have in the Action, SCA and the Rossmoor Defendants hereby agree as follows:

AGREEMENT

1. As of the Tolling Agreement Effective Date, the running of any applicable statutes of limitations and the time period considered in the application of the doctrine of laches (collectively, the "time period") with respect to SCA's claims in the Action shall be deemed tolled from the date the Action was commenced (i.e., August 28, 1990) with respect to those claims asserted in this Action. With respect to those claims not yet asserted, the time period shall be deemed tolled from the date the settlement of the Action was put on the record before the settlement judge in the Action, Judge James Smith of the Orange County Superior Court (i.e. September 14, 1994). The time period for asserted and as yet unasserted claims shall be deemed tolled through and until the date the tolling of the time period is terminated in accordance with the provisions of paragraphs 2 and/or 3, below (the "tolling period").

2. Subsequent to the complete remediation of the Mall Property, as evidenced solely by the issuance of a letter in a form substantially similar to the form attached hereto as Exhibit "1" from the Regional Water Quality Control Board ("RWQCB"), stating that no further remediation is necessary (the "Closure Letter), the Rossmoor Defendants may terminate the tolling period by written notice thereof, sent to SCA and its counsel, either by personal delivery, by facsimile transmission or by certified mail, return receipt requested, addressed as follows:

Shopping Center Associates
c/o The O'Connor Group
399 Park Avenue, 25th Floor
New York, New York 10022

With a copy to:

Anthony J. Oliva, Esq.
Allen, Matkins, Leck, Gamble & Mallory
515 South Figueroa Street, Eighth Floor
Los Angeles, California 90071

The tolling period shall terminate fifteen (15) days after receipt of the notice pursuant to this paragraph 2.

3. Notwithstanding the foregoing, SCA may terminate the tolling period and thereafter reinstate the Action, as if the Action had been pending continuously during the tolling period, by refiling the Complaint with either the Orange County Superior Court or the United States District Court, Central District of California, at any point after which 1) RWQCB determines that any of the parties named to the C&A Order are not complying with the C&A Order; or 2) Transcontinental Insurance Co. ("Transcon") ceases to fund the cleanup of the Mall Property or any other

portion of the Sites as defined in Paragraph 5 of the Agreement. SCA may terminate the tolling period by written notice thereof, sent to the Rossmoor Defendants and their counsel, either by personal delivery, by facsimile transmission or by certified mail, return receipt requested, addressed as follows:

Transcontinental Insurance Co.
333 South Wabash Avenue
CNA Plaza/37 S
Chicago, Illinois 60685
Attn: Robert Kanonik

Rossmoor Partners, L.P.
c/o Cortese Properties, Inc.
1551 N. Tustin Ave., Suite 830
Santa Ana, California 92701
Attn: President

23991 El Toro, Inc.
1551 N. Tustin Ave., Suite 830
Santa Ana, California 92701
Attn: President

With a copy to:

Randall A. Miller, Esq.
Long & Levit
633 West Fifth Street, Suite 5900
Los Angeles, California 90071

Steven R. Ruth, Esq.
Lewis, D'Amato, Brisbois & Bisgaard
221 N. Figueroa St., Suite 1200
Los Angeles, California 90012

Mark L. Musto, Esq.
Goldstein & Phillips
One Embarcadero Center, 8th Floor
San Francisco, California 94111

Duke F. Wahlquist
Rutan & Tucker
611 Anton Blvd., Suite 1400
Costa Mesa, California 92628

The tolling period shall terminate fifteen (15) days after receipt of notice pursuant to this paragraph 3.

4. The parties acknowledge and agree that all statutes, local rules and other requirements setting time limits for the prosecution of a pending lawsuit are hereby waived for the duration of the tolling period. All discovery conducted and/or obtained in the Action will be treated by SCA and the Rossmoor Defendants in any further lawsuit as though such discovery had been commenced and/or obtained in such further lawsuit.

5. This Agreement shall inure to the benefit of, and be binding upon, SCA's and the Rossmoor Defendants' respective present and future affiliates, subsidiaries, officers, directors, managing directors, shareholders, partners, principals, joint venturers, co-owners, successors, assigns, attorneys, agents, alter egos, heirs, executors, employees, and representatives, if any, and each of them.

6. Except as expressly provided hereinabove to the contrary, in the event the Action is reinstated by SCA, this Agreement shall operate to preserve the rights, duties, and obligations of SCA and the Rossmoor Defendants as of the date this Action was filed, as well as the legal contentions asserted by the parties during the time the Action was pending.

SHOPPING CENTER ASSOCIATES, a New York general partnership

By: O'Connor Retail Partners, L.P., a Delaware limited partnership, Managing General Partner

By: J.W. O'Connor & Co., Incorporated, General Partner

By: _____

Its: _____

ROSSMOOR CORPORATION, a dissolved California corporation

By: _____

Its: _____

LHC ASSOCIATES, a dissolved California general partnership

By: 23991 El Toro, Inc.

Its: Last Remaining Partner (pursuant to California Corporations Code § 15035(1)(o)

By: _____

David A. Lundin

Its: Chief Financial Officer

6. Except as expressly provided hereinabove to the contrary, in the event the Action is reinstated by SCA, this Agreement shall operate to preserve the rights, duties, and obligations of SCA and the Rossmoor Defendants as of the date this Action was filed, as well as the legal contentions asserted by the parties during the time the Action was pending.

SHOPPING CENTER ASSOCIATES, a New York general partnership

By: O'Connor Retail Partners, L.P., a Delaware limited partnership, Managing General Partner

By: J.W. O'Connor & Co., Incorporated, General Partner

By:_____
Its:_____

ROSSMOOR CORPORATION, a dissolved California corporation

By: William V. March
Its: FORMER SECRETARY
PURSUANT TO CAL. CORP CODE SEC. 2001

LHC ASSOCIATES, a dissolved California general partnership

By: 23991 El Toro, Inc.
Its: Last Remaining Partner (pursuant to California Corporations Code § 15035(1)(c))

By: David A. Lundin
David A. Lundin
Its: Chief Financial Officer

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partner

By: David A. Lundin
David A. Lundin
Its: Vice
President and
Chief Financial
Officer

FORM AND CONTENT APPROVED BY:

ALLEN, MATKINS, LECK GAMBLE
& MALLORY

By:_____
ANTHONY J. OLIVA
Attorneys for SHOPPING
CENTER ASSOCIATES

FORM AND CONTENT APPROVED BY:

LEWIS, D'AMATO, BRISBOIS &
BISGAARD

By:_____
STEVEN R. RUTH
Attorneys for ROSSMOOR
CORPORATION, LHC
ASSOCIATES and ROSSMOOR
PARTNERS, L.P.

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partner

By: _____
David A. Lundin
Its: Vice
President and
Chief Financial
Officer

FORM AND CONTENT APPROVED BY:

ALLEN, MATKINS, LECK GAMBLE
& MALLORY

By: _____
ANTHONY J. OLIVA
Attorneys for SHOPPING
CENTER ASSOCIATES

FORM AND CONTENT APPROVED BY:

LEWIS, D'AMATO, BRISBOIS &
BISGAARD

By: Steven R. Ruth
STEVEN R. RUTH
Attorneys for ROSSMOOR
CORPORATION, LHC
ASSOCIATES and ROSSMOOR
PARTNERS, L.P.

SETTLEMENT AGREEMENT AND RELEASE

This Settlement Agreement and Release ("Agreement") is entered into as of this ____ day of December, 1994 (the "Effective Date"), by, between and among Shopping Center Associates, a New York general partnership ("SCA"), Transcontinental Insurance Co., ("Transcon"), Resolution Trust Corporation, as receiver for HomeFed Bank ("RTC/HomeFed"), 405 Hotel Associates, a California limited partnership ("405"), Rossmoor Corporation, a dissolved California corporation ("Rossmoor"), LHC Associates, a dissolved California general partnership ("LHC"), Nicholas J. Covelli, an individual and a former partner of LHC ("Covelli"), Rossmoor Partners, L.P., a California limited partnership ("RPLP") (LHC, RPLP, Covelli and Rossmoor are referred to collectively as the "Rossmoor Defendants"), Emerald Oil, Inc., a California corporation ("Emerald"), Jack Smith, an individual (Jack Smith and Emerald are collectively referred to as the "Emerald Defendants"), Wright Oil Company, Willbarb Petroleum Carriers, Inc., d/b/a Wright Petroleum Carriers, d/b/a Wright Companies, a California corporation ("Wright Petroleum"), William Wright, an individual, Barbara Wright, an individual (Wright Oil Company, Wright Petroleum, William Wright and Barbara Wright are collectively referred to as the "Willbarb Defendants"), Shell Oil Company, a Delaware corporation ("Shell"), Aladdin Doroudi, an individual ("Doroudi"), Trans-Tech Resources, Inc., a dissolved California corporation ("Trans-Tech"), Atlantic Richfield Company, ("ARCO")

and P/A El Toro Investors #1, a California limited partnership ("P/A El Toro") (although some of the aforementioned entities and/or individuals are not defendants in the Action (as defined below), the Rossmoor Defendants, RTC/HomeFed, 405, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, Shell, Doroudi, ARCO, and P/A El Toro are hereinafter sometimes collectively referred to as the "Defendants") with reference to the matters described below.

R E C I T A L S:

A. Pursuant to Cleanup and Abatement Order 88-109 (the "C&A Order"), some of the Rossmoor Defendants, among others, have been ordered by the California Regional Water Quality Control Board, Santa Ana Region ("RWQCB") to remediate the petroleum hydrocarbon discharges at or beneath real property commonly known as the Laguna Hills Mall (the "Mall Property") and at or beneath areas surrounding the Mall Property (the Mall Property includes but is not limited to 24155 Laguna Hills Mall, 24196 Laguna Hills Mall, 24100 Laguna Hills Mall and 24001 Avenue de la Carlota, all in Laguna Hills, California 92653).

B. On or about August 28, 1990, SCA filed a Complaint for nuisance, trespass and negligence, among other causes of action ("Original Complaint"), as more fully set forth in the Original Complaint in the Orange County Superior Court case

entitled Shopping Center Associates v. HomeFed Bank, et al., Case No. 634507 (the "Action").

C. In the Action, SCA sought to recover damages arising from the alleged contamination of the Mall Property by allegedly hazardous substances and other contaminants, including petroleum hydrocarbons, which substances and contaminants have allegedly migrated from sources upgradient and/or cross-gradient from the Mall Property onto the Mall Property and into the soil and ground water thereunder.

D. Those Defendants named in the Action answered the Original Complaint and, among other things, denied any responsibility for the facts pleaded in the Complaint.

E. In the Action, some of the Defendants filed and served cross-complaints (in state court), cross-claims, counter-claims and/or third party complaints (collectively, the "Counter-Claims") against, among others, SCA and some or all of the other Defendants, among others, alleging causes of action for indemnity and contribution, among other causes of action.

F. SCA and the Defendants named in the Counter-Claims each answered the Counter-Claims and denied any responsibility for the facts alleged in the Counter-Claims. (The term Action includes the Action and the Counter-Claims.)

G. On or about October 1, 1992, RTC/HomeFed exercised its rights under the Financial Institutions Reform, Recovery and

Enforcement Act of 1989 ("FIRREA") and removed the Action to the United States District Court, Central District of California (the "Court"), Case No. SACV 92-639 GLT. Thereafter, SCA sought and was granted leave to file a Third Amended Complaint ("Complaint") to, among other things, allege a cause of action under the Resource Conservation and Recovery Act ("RCRA") against several of the Defendants.

H. The parties recognize that the judicial resolution of such claims and disputes will be costly and time consuming and desire to settle their claims and disputes, in accordance with the terms and conditions set forth hereinbelow, and now would finally and fully compromise and settle the same.

I. The parties recognize that this Agreement is contingent upon a settlement and good faith determination by the court with respect to the related action in the Orange County Superior Court, Case No. 682139, entitled The Rossmoor Corporation, et al. v. Fireman's Fund Ins. Co., et al. (the "Coverage Action") and Transcon's receipt of at least $1,406,000.00 to be disbursed to Transcon pursuant to the agreement memorializing the settlement of the Coverage Action (the "Coverage Action Agreement"). The parties further recognize that this Agreement is also contingent upon a good faith determination by the Court in the Action (as set forth below) and the approval of the Settlement Agreement by the Bankruptcy

Trustee and the United States Bankruptcy Court, Case No. BK-S-89-3914-LBR, respecting the case entitled In Re Wright Companies.

J. The parties desire and intend by this Agreement, among other things, to settle fully and finally certain existing and potential claims, to provide for mutual releases, and to provide for the terms of the settlement.

AGREEMENT

NOW, THEREFORE, pursuant to the mutual desire set forth hereinabove and in consideration of mutual covenants, conditions, waivers and releases set forth hereinbelow, and without any admission of any kind, the parties hereto agree as follows:

1. Payment to SCA. Within five business days of the last to occur of 1) Transcon's notice of the entry of an Order finding this Agreement and the settlement of the Action to be in good faith (as set forth in further detail below); 2) Transcon's notice of the entry of an order finding the settlement of the Coverage Action to be in good faith; and 3) Transcon's receipt of $2,726,000 to be disbursed to Transcon pursuant to the Coverage Action Agreement, then: a) the sum of $265,000, in the form of an immediately negotiable instrument, shall be paid to SCA by Transcon; b) the sum of $20,000 in the form of an immediately negotiable instrument, shall be paid to SCA by 405; c) the sum of $60,000 in the form of an immediately negotiable instrument, shall be paid to SCA by Shell; d) the sum of $10,000 in the form

of an immediately negotiable instrument, shall be paid to SCA by ARCO; and 5) the sum of $36,000, in the form of an immediately negotiable instrument issued through its counsel's trust account, shall be paid to SCA by RTC/HomeFed.

2. Stipulation for Dismissal of Action. Within five business days of the last to occur of 1) SCA's notice of the entry of an Order finding this Agreement and the settlement of the Action to be in good faith (as set forth in further detail below); and 2) SCA's notice of the entry of an order finding the settlement of the Coverage Action to be in good faith; and 3) Transcon's receipt of $2,726,000 to be disbursed to Transcon pursuant to the Coverage Action Agreement, then SCA shall execute and deliver to the Defendants an executed Stipulation for Dismissal (in the form attached hereto as Exhibit "A") ("Stipulation") which provides for all of the following:

(a) A dismissal of the Action by SCA, with prejudice, as to RTC/HomeFed, 405, Trans-Tech, Wright Petroleum, Emerald, Shell, Doroudi, and P/A El Toro, and without prejudice as to the Rossmoor Defendants;

(b) A dismissal of the Cross-Claims with prejudice, as to SCA and all of those Defendants named in the Cross-Claims.

The Defendants and SCA agree to execute the Stipulation. SCA agrees to cause said Stipulation to be filed

promptly with the Court and to promptly provide the Defendants with a Court-stamped conformed copy of the filed Stipulation.

3. Dismissal Without Prejudice of the Rossmoor Defendants and Tolling Agreement. The Rossmoor Defendants acknowledge and agree that SCA is dismissing the Rossmoor Defendants without prejudice to SCA's right to re-file the Action against the Rossmoor Defendants in the event of a breach, by the Rossmoor Defendants, of the Settlement Agreement, and/or a breach by Transcon of its promise to complete the remediation of the Mall Property (including the "Sites" as defined below), all as set forth in further detail below. The Rossmoor Defendants further agree to toll all time limits (established by all applicable statutes of limitation and/or the application of the doctrine of laches) by entering into an Agreement Regarding Tolling of Statutes of Limitation and Other Time Limits ("Tolling Agreement") in the form attached hereto as Exhibit "B".

4. The Cleanup Fund. Within five business days of the last to occur of 1) Transcon's notice of the entry of an Order finding this Agreement and the settlement of the Action to be in good faith (as set forth in further detail below); and 2) Transcon's notice of the entry of an order finding the settlement of the Coverage Action to be in good faith, then Transcon agrees to provide SCA with a statement evidencing the existence of an account holding the sum of no less than $1,120,00.00 (the "Cleanup Fund"). Transcon agrees to apply the

Cleanup Fund toward the costs of cleaning up the following properties (all of which are sometimes hereinafter collectively referred to as the "Sites"): 1) 23941 Avenida de la Carlota, Laguna Hills, California; 2) 23971 El Toro Road, Laguna Hills, California; 3) Eastern corner of intersection of El Toro Road and Avenida de la Carlota, Laguna Hills, California; 4) Mall Property; 5) 23991 El Toro Road, Laguna Hills, California. Transcon's obligations with respect to remediation of the Mall Property shall include compliance with the C&A Order. Any obligation for remediation of new and/or unrelated hazardous waste or contamination is not governed by this Agreement. Transcon further agrees to apply the Cleanup Fund so as to complete the remediation of the Mall Property, which completion will be evidenced solely by the issuance, pursuant to Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e), of a "no further action is required" letter from the RWQCB in a form substantially similar to the form letter attached as Exhibit "1" to the Tolling Agreement, stating that no further action or remediation is necessary respecting the Sites (the "Closure Letter").

5. Transcon's Promise To Complete the Mall Property Cleanup. Transcon agrees that the promise to complete the remediation of the Mall Property, as set forth in further detail hereinbelow, is of the utmost importance and a material consideration and inducement to SCA's execution of this Agreement. Thus, Transcon agrees as follows:

(a) Transcon agrees that, in the event the Cleanup Fund is insufficient to complete the remediation of the Mall Property and any other portion of the Sites, Transcon will undertake, at its own expense, to make all necessary payments to complete the remediation of the Mall Property and any other portion of the Sites, which completion will be evidenced solely by the RWQCB's issuance of the Closure Letter. Unless and until the Closure Letter is issued, Transcon agrees that it will diligently continue to make all necessary payments to complete the remediation of the Mall Property and any other portion of the Sites. Transcon's obligations to make all necessary payments to complete the remediation of the Mall Property and any other portion of the Sites shall be limited only by the applicable policy limits of $50,000,000.00 as described in Section 10(d) below.

(b) Transcon acknowledges that SCA hereby reserves all of its rights to be completely informed of all aspects of the remediation process, including the right to participate (at SCA's own expense) in the testing and/or sampling of monitoring, injection and/or other wells on the Mall Property and/or in the areas within 50 feet of the Mall Property, including but not limited to obtaining portions of any samples obtained, so that SCA may independently verify the results of any testing. Transcon further acknowledges SCA's right to participate in and, to the extent SCA, in its sole discretion, determines is necessary, object in good faith to any application

to the RWQCB for a Closure Letter. Accordingly, in the event Transcon 1) intends to conduct testing and/or sampling on the Mall Property and/or in the areas within 50 feet of the Mall Property; and/or 2) intends to apply to RWQCB for a Closure Letter, then Transcon agrees to provide written notice of such intent, at least 20 days in advance, sent to SCA and its counsel, either by personal delivery, by facsimile transmission or by certified mail, return receipt requested, addressed as follows:

Shopping Center Associates
c/o The O'Connor Group
399 Park Avenue, 25th Floor
New York, New York 10022

With a copy to:

Anthony J. Oliva, Esq.
Allen, Matkins, Leck, Gamble & Mallory
515 South Figueroa Street, Eighth Floor
Los Angeles, California 90071

(c) Transcon acknowledges that, concurrently with the execution of this Agreement, SCA and the Rossmoor Defendants shall be entering into the Tolling Agreement by which SCA and the Rossmoor Defendants have agreed to toll the applicable time periods referenced therein until the earlier of: 1) the issuance of the Closure Letter (which will also trigger SCA's obligation to execute and deliver a Stipulation for Dismissal with prejudice of the Rossmoor Defendants and a mutual release of claims as set forth in Sections 6 and 8 of this Agreement); or 2) Transcon's breach of the Agreement as discussed in subparagraph (d) below.

(d) Transcon agrees that in the event 1) RWQCB has provided notice to Transcon and/or the Rossmoor Defendants

that it has determined that one or more of the parties named to the C&A Order are not in compliance with the C&A Order; or 2) Transcon ceases to fund the cleanup of the Mall Property or any other portion of the Sites, then Transcon will be in breach of this Agreement and SCA shall be entitled to seek full relief, both legal and equitable (including but not limited to a mandatory injunction compelling Transcon to fund and complete the remediation of the Mall Property and/or the Sites until the issuance of a Closure Letter) against Transcon for a breach of this Agreement. Further, Transcon hereby expressly submits to the Court's jurisdiction and agrees that by entering into this Agreement, as well as by entering into the Stipulation for Dismissal, it is voluntarily appearing in the Action and, thus, consenting to the Court's jurisdiction.

(e) SCA agrees to provide written notice of Transcon's breach to Transcon, the Rossmoor Defendants and their respective counsel, either by personal delivery, by facsimile transmission or by certified mail, return receipt requested, addressed as follows:

Transcontinental Insurance Co.
333 S. Wabash Avenue
CNA Plaza/37 S
Chicago, Illinois 60685
Attn: Robert Kanonik

Rossmoor Partners, L.P.
c/o Cortese Properties, Inc.
1551 N. Tustin Ave., Suite 830
Santa Ana, California 92701
Attn: President

23991 El Toro, Inc.
1551 N. Tustin Ave., Suite 830
Santa Ana, California 92701
Attn: President

With a copy to: Randall A. Miller, Esq.
Long & Levit
633 West Fifth Street, Suite 5900
Los Angeles, California 90071

Steven R. Ruth, Esq.
Lewis, D'Amato, Brisbois & Bisgaard
221 N. Figueroa St., Suite 1200
Los Angeles, California 90012

Mark L. Musto, Esq.
Goldstein & Phillips
One Embarcadero Center, 8th Floor
San Francisco, California 94111

Duke F. Wahlquist, Esq.
Rutan & Tucker
611 Anton Blvd., Suite 1400
Costa Mesa, California 92628

SCA agrees to provide twenty (20) days notice of Transcon's breach, during which time Transcon and/or the Rossmoor Defendants may cure said breach by resuming the remediation of the Mall Property and, to the extent applicable, any other portion of the Sites. In the event Transcon and/or the Rossmoor Defendants fail to cure said breach within 20 days, SCA shall be entitled to seek relief from the Court, against Transcon, for a breach of this Agreement and/or refile the Action against the Rossmoor Defendants.

(f) The parties agree that nothing in this Agreement shall change or alter any of Transcon's rights or obligations under its policies of insurance issued to its

insureds, except as otherwise agreed in this Agreement or in the Coverage Action Agreement.

6. Dismissal with Prejudice of the Rossmoor Defendants Upon Completion of the Remediation of the Sites. Within twenty (20) days after SCA's receipt of notice of the completion of the remediation of the Sites, which completion shall be evidenced solely by the RWQCB's issuance of a Closure Letter, SCA shall execute and deliver to the Rossmoor Defendants an executed Stipulation for Dismissal which provides for the dismissal of the Action with prejudice as to the Rossmoor Defendants.

7. Good Faith Settlement. This Agreement is expressly conditioned on court-ordered approval of this Agreement as being in "good faith" within the meaning of California Code of Civil Procedure Section 877.6 as the result of a motion or application. In connection with such motion or application, this Agreement or the contents thereof may be disclosed to the court or agency, but filed under seal. The parties shall not oppose such motion or application, and on the request of any party to this Agreement, each party may be asked to execute and file a declaration acknowledging that this Agreement was entered into in good faith along with such other papers reasonably required to support such motion or application. The Rossmoor Defendants agree to prepare such motion or application and signatory declaration(s) and the expense for the preparation of these

papers shall be borne by the Rossmoor Defendants' insurers. This motion or application will be filed with the Court within three (3) business days after the full and complete execution of this Agreement by all parties.

8. Release of Claims.

(a) Release by SCA. SCA, on behalf of itself and each of its respective present and future affiliates, subsidiaries, officers, directors, managing directors, shareholders, partners, principals, joint venturers, co-owners, successors, assigns, attorneys, agents, alter egos, heirs, executors, employees, and representatives, if any, and each of them (the "SCA-Related Entities"), hereby releases and forever discharges RTC/HomeFed, 405, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, Shell, Doroudi, ARCO and P/A El Toro and each of their respective present and future affiliates, subsidiaries, officers, directors, managing directors, shareholders, partners, principals, joint venturers, co-owners, successors, assigns, attorneys, agents, alter egos, heirs, executors, employees, trustees and representatives, if any, and each of them (the "Related Entities"), from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on, or related in any way to the Action which, as of the

Effective Date, SCA and/or its Related Entities had, and/or which they now have against RTC/HomeFed, 405, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, Shell, ARCO and P/A El Toro, and/or their Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement. Notwithstanding the above descriptions, the release granted herein by SCA and the SCA-Related Entities shall not include a release of the Rossmoor Defendants or any of their parents, subsidiaries, affiliates, officers, directors, shareholders, predecessors, employees, agents, insurers or other Related Entities (other than Trans-Tech's officers, directors and/or shareholders who are released only in their capacities as officers, directors and/or shareholders of Trans-Tech).

(b) Release by Trans-Tech. Trans-Tech, on behalf of itself and each of its Related Entities, hereby releases and forever discharges SCA, 405, the Emerald Defendants, the Willbarb Defendants, Shell, Doroudi, ARCO, P/A El Toro and the Rossmoor Defendants, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, Trans-Tech and/or its Related Entities had, and/or which they now have against SCA, 405, the Emerald Defendants, the

Willbarb Defendants, Shell, Doroudi, ARCO, P/A El Toro and the Rossmoor Defendants, and each of their Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement.

Notwithstanding the above descriptions, the releases granted by Trans-Tech of SCA and 405 shall not include a release by Trans-Tech's officers, directors and/or shareholders in any capacity other than as officers, directors and/or shareholders of Trans-Tech.

(c) Release by the Emerald Defendants. The Emerald Defendants, on behalf of themselves and each of their Related Entities, hereby release and forever discharge SCA, 405, Trans-Tech, the Willbarb Defendants, Shell, Doroudi, ARCO, P/A El Toro and the Rossmoor Defendants, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, the Emerald Defendants and/or their Related Entities had, and/or which they now have against SCA, 405, Trans-Tech, the Willbarb Defendants, Shell, Doroudi, ARCO, P/A El Toro and the Rossmoor Defendants, and each of their Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement.

(d) Release by Willbarb. The Willbarb Defendants, on behalf of themselves and each of their Related Entities, hereby release and forever discharge SCA, 405, Trans-Tech, the Emerald Defendants, Shell, Doroudi, ARCO, P/A El Toro and the Rossmoor Defendants, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, the Willbarb Defendants and/or their Related Entities had, and/or which they now have against SCA, 405, Trans-Tech, the Emerald Defendants, Shell, Doroudi, ARCO, P/A El Toro and the Rossmoor Defendants, and each of their Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement.

(e) Release by Shell. Shell, on behalf of itself and each of its Related Entities, hereby releases and forever discharges SCA, 405, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, ARCO and the Rossmoor Defendants, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based

on or related to the Action which, as of the Effective Date, Shell and/or its Related Entities had, and/or which they now have against SCA, 405, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, ARCO and the Rossmoor Defendants, and each of their Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement.

(f) Release by Doroudi. Doroudi, on behalf of himself and each of his Related Entities, hereby releases and forever discharges SCA, 405, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, ARCO and the Rossmoor Defendants, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, Doroudi and/or his Related Entities had, and/or which they now have against SCA, 405, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, ARCO and the Rossmoor Defendants, and each of their Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement.

(g) Release by ARCO. ARCO, on behalf of itself and each of its Related Entities, hereby releases and forever discharges SCA, 405, Trans-Tech, the Emerald Defendants, Willbarb, Shell, Doroudi, P/A El Toro and the Rossmoor

Defendants, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, ARCO and/or its Related Entities had, and/or which they now have, against SCA, 405, Trans-Tech, the Emerald Defendants, Willbarb, Shell, Doroudi, P/A El Toro and the Rossmoor Defendants, and each of their Related Entities, excepting therefrom, as to P/A El Toro and its Related Entities only, any and all claims arising out of Arco's occupation and/or use of the property commonly known as 24102 Avenida de la Carlota, Laguna Hills, California, and further except as otherwise provided in, or with respect to rights created by, this Agreement.

(h) Release by P/A El Toro. P/A El Toro, on behalf of itself and each of its Related Entities, hereby releases and forever discharges SCA, 405, Trans-Tech, the Emerald Defendants, Willbarb, ARCO and the Rossmoor Defendants, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, P/A

El Toro and/or its Related Entities had, and/or which they now have against SCA, 405, Trans-Tech, the Emerald Defendants, Willbarb, ARCO and the Rossmoor Defendants, and each of their Related Entities, excepting therefrom, as to ARCO and its Related Entities only, any and all claims arising out of Arco's occupation and/or use of the property commonly known as 24102 Avenida de la Carlota, Laguna Hills, California, and further except as otherwise provided in, or with respect to rights created by, this Agreement.

(i) Release by RTC/HomeFed. RTC/HomeFed, on behalf of itself and each of its Related Entities, hereby releases and forever discharges SCA and each of its Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, RTC/HomeFed and/or its Related Entities had, and/or which they now have against SCA and each of its Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement.

As a specific limitation of the above release by RTC/HomeFed, the release shall not constitute: (i) a release of any criminal liability under State or Federal law, including without limitation, Titles 12 and 18 of the United States Code

and provisions of the Financial Institutions Reform, Recovery and Enforcement Act of 1989 ("FIRREA"), or (ii) a release of any other claims of the RTC/HomeFed under other promissory notes or other agreements from this or any other institution.

(j) Release by 405. 405, on behalf of itself and each of its Related Entities, hereby releases and forever discharges SCA, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, Shell, Doroudi, ARCO and P/A El Toro, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, 405 and/or its Related Entities had, and/or which they now have against SCA, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, Shell, Doroudi, ARCO and P/A El Toro, and each of their Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement.

Notwithstanding the above descriptions, the releases granted to Trans-Tech by 405 shall not include a release of Trans-Tech's officers, directors and/or shareholders in any capacity other than as officers, directors and/or shareholders of Trans-Tech.

(k) Release by the Rossmoor Defendants. The Rossmoor Defendants, on behalf of themselves and each of their Related Entities, hereby release and forever discharge Trans-Tech, the Emerald Defendants, the Willbarb Defendants, Shell, Doroudi, ARCO and P/A El Toro, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, the Rossmoor Defendants and/or their Related Entities had, and/or which they now have against Trans-Tech, the Emerald Defendants, the Willbarb Defendants, Shell, Doroudi, ARCO and P/A El Toro, and each of their Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement.

(l) The parties hereto acknowledge and agree that the Released Claims do not include those claims alleged by RTC/HomeFed or 405 against Wright Petroleum, Rossmoor; LHC, William V. March as Personal Representative of Estate of Ross W. Cortese; Hedwig A. Marxen; Nicholas J. Covelli; Colleen C. Covelli, William V. March; Alona M. Cortese and William V. March as Trustees under the Declaration of Trust for the Ross and Alona Cortese Family, dated April 12, 1982, William V. March and Nancy J. March, as Trustees under the Declaration of Trust for the

William and Nancy March Family, May 28, 1982; Trans-Tech; and Emerald, (collectively, the "HomeFed Defendants") in the Orange County Superior Court case entitled HomeFed Bank v. Willbarb Petroleum Carriers, Inc., et al., Case No. 493716 (the "HomeFed Action"). The parties hereto further acknowledge and agree that the Released Claims do not include those claims, if any, alleged by the HomeFed Defendants against RTC/HomeFed or 405 in the HomeFed Action. Nothing contained in this Agreement shall, nor shall it be construed to, release the parties in the HomeFed Action from, or waive, any claims against any of the parties in the HomeFed Action which have survived the trial in the HomeFed Action and/or which have been appealed by the parties in the HomeFed Action. Further, the parties hereto acknowledge and agree that the Released Claims do not include claims, if any, by SCA and/or its Related Entities against the Rossmoor Defendants and/or their Related Entities (other than Trans-Tech's officers, directors and/or shareholders who are released only in their capacities as officers, directors and shareholders of Trans-Tech). Nothing contained in this Agreement shall, nor shall it be construed to, release the Rossmoor Defendants and/or their Related Entities (other than Trans-Tech's officers, directors and/or shareholders who are released only in their capacities as officers, directors and shareholders of Trans-Tech) from, or waive, any claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether

asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, concerning or relating to the Action.

(m) Within twenty (20) days after the completion of the remediation of the Sites, which completion shall be evidenced solely by the RWQCB's issuance of a Closure Letter, SCA and the Rossmoor Defendants shall execute and deliver to the other a "Mutual Release of Claims" prepared by the Rossmoor Defendants and identical to the releases being given to some or all of the Defendants as set forth in subsections (a) and (k) of this paragraph 8.

9. California Civil Code Section 1542. The parties, upon advice of their counsel, hereby expressly waive, with regard to the Released Claims, including but not limited to those Released Claims relating to the Action, all rights which they may have or hereafter claim to have, under the provisions of California Civil Code Section 1542 (and the equivalent law of any other jurisdiction) which provides:

> A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS WHICH THE CREDITOR DOES NOT KNOW OR SUSPECT TO EXIST IN HIS FAVOR AT THE TIME OF EXECUTING THE RELEASE, WHICH IF KNOWN BY HIM MUST HAVE MATERIALLY AFFECTED HIS SETTLEMENT WITH THE DEBTOR.

10. Representations and Warranties. With the exception of Rossmoor, LHC and Trans-Tech, the parties hereto each warrant and represent to the other that they (i) are the sole and lawful owners of all rights, title and interest in and to the Released Claims as to which they are giving releases; (ii) have not assigned, transferred or conveyed or purported to assign, transfer or convey, to anyone any claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature concerning the subject of the Released Claims; and (iii) other than the HomeFed Action and the Coverage Action, are unaware of any other pending legal actions or proceedings by any party to this Agreement against any other party to this Agreement other than released herein.

(a) RPLP represents and warrants that: (i) Rossmoor Corporation was until approximately June 15, 1982, a validly existing California corporation in good standing; (ii) on or about June 15, 1982, a Certificate for Dissolution for Rossmoor Corporation was filed with the California Secretary of State and that prior to or contemporaneous with the dissolution of Rossmoor Corporation, Rossmoor Corporation assigned all of its assets to Rossmoor Liquidating Trust and Rossmoor Liquidating Trust assumed all of the liabilities of Rossmoor Corporation; (iii) in or about January 1990, Rossmoor Liquidating Trust was dissolved and shortly before or contemporaneous with its

dissolution, it assigned all of its assets to RPLP which also assumed the liabilities of Rossmoor Liquidating Trust.

(b) 23991 El Toro, Inc. represents and warrants that by General Partnership Interest Transfer agreement dated February 27, 1991, it acquired the rights, liabilities and interests of all the partners in LHC, thereby causing dissolution of LHC Associates pursuant to California Corporation Code § § 15006(1), 15031(3).

(c) With regard to Trans-Tech:

(1) William V. March represents that: (i) Prior to November 16, 1982, Trans-Tech was a valid corporation pursuant to the laws of, and in good standing with, the State of California; (ii) On or about December 21, 1981, by the unanimous consent of the shareholders of Trans-Tech, a Plan of Complete Liquidation was adopted; (iii) On or about November 8, 1982, the Trans-Tech Liquidating Trust was created by an agreement of even date between Trans-Tech, acting on behalf of its shareholders, and Ross W. Cortese and William V. March, as Trustees; (iv) William V. March is the personal representative of Ross W. Cortese, deceased; and (v) On or about November 16, 1982, Trans-Tech filed its articles of dissolution with the California Secretary of State and immediately prior to that date, the following individuals served as the corporate officers of Trans-Tech: Ross W. Cortese, Nicholas J. Covelli, and William V. March.

(2) William V. March represents on information and belief that he has authority to execute this Agreement on behalf of Trans-Tech, pursuant to California Corporations Code Section 2001, by virtue of his status as an officer of Trans-Tech at the time of its dissolution, and as the sole-remaining Trustee of the Trans-Tech Liquidating Trust.

(d) Transcon represents and warrants that it provided excess liability coverage to some or all of the Rossmoor Defendants, pursuant to Policy Nos. UMB-1672625 and UMB-1672626 (the "Policies"), both of which Policies provided coverage for the Policy period dating from August 21, 1983 to August 21, 1984. Transcon further represents and warrants that the Policies contain policy limits of coverage totaling $50,000,000.00., no more than $600,000 of which, to date, has been paid out, eroded, exhausted or reduced in any manner from the $50,000,000.00 of coverage under the Policies. Transcon and the Rossmoor Defendants represent and warrant that other than the HomeFed Action and the Coverage Action, they are unaware of any other pending or contemplated legal actions or proceedings for which coverage might be owed under the Policies.

(e) Each party hereby agrees that it will not challenge the effectiveness, scope or legality of the execution of this Agreement by Rossmoor Corporation, LHC Associates and/or Trans-Tech.

(f) Transcon represents and warrants that it will give priority to funding the remediation of the Sites up to the sum of $1,500,000.00 of the coverage under the Policies over, above and before other claims, including but not limited to the HomeFed Action and the Coverage Action, in a manner so that funds are disbursed from the Policies to ensure completion of the remediation of the Sites. Transcon agrees to apply the sum of $1,500,000.00 so that the priority given to the remediation of the Sites over, above and before all other claims, including but not limited to the HomeFed Action and the Coverage Action results in the application of the $1,500,000.00 exclusively towards funding the remediation of the Sites. Transcon further agrees that its agreement to give priority to the remediation of the Sites as set forth herein serves only as a guarantee of the availability of funds in the event the Policies are otherwise exhausted, and that Transcon's agreement to give priority to the remediation of the Sites as set forth herein does not otherwise limit Transcon's obligation to fund the cleanup until the Sites are completely remediated, which completion will be evidenced solely by the RWQCB's issuance of a Closure Letter. As a result, to the extent no claims are paid under the Policies (including any claims paid pursuant to the HomeFed Action and the Coverage Action), then Transcon's obligation to fund the remediation shall be limited only by the applicable limits of the Policies in excess of Transcon's agreement to prioritize $1,500,000 towards funding the remediation of the Sites as set forth herein..

(g) The Rossmoor Defendants represent and warrant that they consent to Transcon's prioritization of the manner in which Transcon depletes the Policies as set forth in subsection 10(f) above.

(h) By executing this Agreement, RTC/HomeFed does not adopt, endorse, agree to be bound by or in any way consider to be binding the language contained in paragraphs 10(f) and 10(g). Notwithstanding the language contained in paragraphs 10(f) and 10(g), RTC/HomeFed reserves all rights, if any, to immediately collect and enforce payment of any Judgment in its favor in the HomeFed Action.

11. Indemnification and Hold Harmless. Each party hereby agrees to indemnify, defend, and hold harmless the other parties, and the other parties' Related Entities from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever, arising out of, concerning or relating to any breach by such indemnitor, including but not limited to any breach of any representation and warranty contained in this Agreement.

12. 405's Litigation Files. At any point from the Effective Date until October 1, 1997, 405 agrees to make available to SCA all files and documents related to the HomeFed Action (attorney-client privileged documents and attorney work

product documents excepted) including but not limited to deposition transcripts, pleading files, trial exhibit books, and all documents produced in the Action.

13. Confidentiality.

(a) The parties agree not to disclose the terms of this settlement to any non-parties to this Agreement unless such disclosure is 1) ordered by a court of competent jurisdiction; or, 2) necessary to trigger coverage obligations of another insurer, or 3) reasonably necessary for the conduct of the parties' business, including disclosure as required to auditors, state and federal taxing authorities, lenders or reinsurers.

(b) The party or parties from whom disclosure is sought shall promptly notify the other parties hereto and, at the request of any other party, shall reasonably cooperate in opposing any motion to compel disclosure or any application for a protective order by any party or parties objecting to disclosure. However, the party or parties requesting resistance to disclosure or applying for a protective order shall bear all attorneys' fees and cost associated therewith, including attorneys' fees or costs reasonably incurred by the party or parties from whom disclosure of this Agreement was originally sought if such a request is made by the requesting Party or Parties.

14. The Court Retains Jurisdiction to Enforce Agreement. The parties, on behalf of themselves and their Related Entities, agree that the Court will retain jurisdiction over the parties, including but not limited to Transcon, to enforce this Agreement and any promises made herein, until performance in full of the terms of the Agreement. The parties, including but not limited to Transcon, further agree that the Court, upon motion to enforce the settlement, may enter judgment pursuant to the terms of the Agreement and/or may issue any orders to enforce the terms of the Agreement.

15. Settlement Not an Admission. This Agreement is the result of a compromise by the parties hereto, and is not and shall not be considered as an admission of the truth or validity of any of the allegations, claims or contentions of any party against any other party, each of whom continues to deny such allegations, liabilities and responsibilities. No judgment has been entered in the Action, nor shall any order entered therein be treated as a final order or judgment.

16. Effect of Bankruptcy. Should any of the parties become subject to bankruptcy protection and should any provision of this Agreement be found to be executory and/or subject to the provisions of section 365 of the Bankruptcy Code, then as to such party only, the executory portion of said provisions shall be severed from the remaining portions of this Agreement and the

assumption or rejection of said severed provisions shall not affect the continued enforceability of the remaining provisions.

17. Authority to Execute Agreement. With the exception of the person(s) signing this Agreement on behalf of Trans-Tech, LHC and Rossmoor, each person signing this Agreement warrants and represents that he or she has full authority to execute the same on whose behalf he or she so signs, and that he or she is acting within the scope of such authority, and agrees to indemnify, defend and hold harmless all persons and entities mentioned in this Agreement from any claims that such authority did not exist.

18. Advice of Counsel. Each party hereto has received the advice of legal counsel prior to signing the Agreement, and signs the Agreement voluntarily and with full knowledge of the consequences thereof.

19. Further Assurances. The parties hereby agree that they shall execute and deliver any and all further documents and instruments and shall do all acts as either or both may reasonably request, which may be necessary or appropriate to fully implement the provisions of this Agreement.

20. Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of each of the parties and their Related Entities, and each of them, and each of their successors and assigns. Nothing in this Agreement, express or

implied, is intended to confer upon any person other than the parties and their Related Entities, and each of them, and their respective successors and assigns, any rights or benefits under or by reason of this Agreement.

21. Waiver, Modification and Amendment. No provision herein may be waived unless in writing and signed by the party or parties whose rights are thereby waived. Waiver of any one provision herein shall not be deemed to be a waiver of any other provision herein. This Agreement may be modified or amended only by written agreement executed by all the parties hereto.

22. Attorneys' Fees. The non-prevailing party in any proceeding to enforce or construe any of the provisions or rights under or pursuant to this Agreement, shall be fully responsible for and shall pay the prevailing party's reasonable attorneys fees, costs, and expenses.

23. Governing Law. This Agreement is made and entered into in the State of California and shall in all respects be interpreted and enforced and governed by and under the laws of the State of California.

24. Construction. Each party and counsel for each party has participated in the drafting of this Agreement and, accordingly, the normal rule of construction, to the effect that any ambiguities are to be resolved against the drafting party, shall not be employed in the interpretation of this Agreement.

In the event that one or more of the provisions or portions thereof to this Agreement is determined to be illegal or unenforceable, the remainder of this Agreement shall not be affected thereby and each remaining provision or portion thereof shall remain and continue to be valid and effective and shall be enforceable to the fullest extent permitted by law.

25. Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed an original, and all of which when taken together shall constitute the Agreement.

26. Litigation Expenses. Each party hereto shall bear its own costs and attorneys' fees incurred in connection with the Action and the execution of this Agreement.

27. Effect of Agreement. This Agreement may be pleaded as a full and complete defense to, and may be used as the basis for an injunction against, any action, suit or other proceeding which may be instituted, prosecuted or attempted in breach of this Agreement, except for an action based on breach of this Agreement.

28. Title and Captions. Sections, titles and captions contained in this Agreement are inserted only as a matter of convenience and for reference and shall in no way be construed to define, limit or extend the scope of this Agreement or the intent of any of its provisions.

SHOPPING CENTER ASSOCIATES, a New York general partnership

By: O'Connor Retail Partners, L.P., a Delaware limited partnership, Managing General Partner

By: J.W. O'Connor & Co., Incorporated, General Partner

By: _____
Its: _____

TRANSCONTINENTAL INSURANCE CO., a _____ corporation

By: _____
Its: _____

ROSSMOOR CORPORATION, a dissolved California corporation

By: _____
Its: _____

LHC ASSOCIATES, a dissolved California general partnership

By: 23991 El Toro, Inc.
Its: Last Remaining Partner (pursuant to California Corporations Code § 15035(1)(o))

By: _____
David A. Lundin
Its: Chief Financial Officer

[signatures continue]

SHOPPING CENTER ASSOCIATES, a New York general partnership

By: O'Connor Retail Partners, L.P., a Delaware limited partnership, Managing General Partner

By: J.W. O'Connor & Co., Incorporated, General Partner

By:_____
Its:_____

TRANSCONTINENTAL INSURANCE CO., a _____ corporation

By: Robert Kanonik
Its: Senior Claims Analyst

ROSSMOOR CORPORATION, a dissolved California corporation

By:_____
Its:_____

LHC ASSOCIATES, a dissolved California general partnership

By: 23991 El Toro, Inc.
Its: Last Remaining Partner (pursuant to California Corporations Code § 15035(1)(o))

By:_____
David A. Lundin
Its: Chief Financial Officer

[signatures continue]

SHOPPING CENTER ASSOCIATES, a New York general partnership

By: O'Connor Retail Partners, L.P., a Delaware limited partnership, Managing General Partner

By: J.W. O'Connor & Co., Incorporated, General Partner

By: _____
Its: _____

TRANSCONTINENTAL INSURANCE CO., a _____ corporation

By: _____
Its: _____

ROSSMOOR CORPORATION, a dissolved California corporation

By: William V March
Its: FORMER SECRETARY,
PURSUANT TO CAL. CORP. CODE SEC. 2001

LHC ASSOCIATES, a dissolved California general partnership

By: 23991 El Toro, Inc.
Its: Last Remaining Partner (pursuant to California Corporations Code §15035(1)(o))

By: David A. Lundin
David A. Lundin
Its: Chief Financial Officer

[signatures continue]

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partner
By: _____
David A. Lundin
Its: Vice President
and Chief
Financial
Officer

_____
NICHOLAS J. COVELLI

RESOLUTION TRUST CORPORATION,
as receiver for HOMEFED BANK

By: _____
Its: _____

405 HOTEL ASSOCIATES, a
California limited partnership

By: _____
Its: _____

EMERALD OIL, INC., a California
corporation

By: _____
Its: _____

_____
JACK SMITH

WRIGHT OIL COMPANY, a
California corporation

By: _____
Its: _____

[signatures continue]

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partners
By: _____
David A. Lundin
Its: Vice President
and Chief
Financial
Officer

_____
NICHOLAS J. COVELLI

RESOLUTION TRUST CORPORATION,
as receiver for HOMEFED BANK

By: _____
Its: _____

405 HOTEL ASSOCIATES, a
California limited partnership

By: _____
Its: _____

EMERALD OIL, INC., a California
corporation

By: _____
Its: _____

_____
JACK SMITH

WRIGHT OIL COMPANY, a
California corporation

By: _____
Its: _____

[signatures continue]

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partners
By: _____
David A. Lundin
Its: Vice President
and Chief
Financial
Officer

_____
NICHOLAS J. COVELLI

RESOLUTION TRUST CORPORATION,
as receiver for HOMEFED BANK

By: _____
Its: Director, Department of Settlement
and Workout

405 HOTEL ASSOCIATES, a
California limited partnership

By: _____
Its: _____

EMERALD OIL, INC., a California
corporation

By: _____
Its: _____

_____
JACK SMITH

WRIGHT OIL COMPANY, a
California corporation

By: _____
Its: _____

[signatures continue]

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partners
By: _____
David A. Lundin
Its: Vice President
and Chief
Financial
Officer

_____
NICHOLAS J. COVELLI

RESOLUTION TRUST CORPORATION,
as receiver for HOMEFED BANK

By: _____
Its: _____

405 HOTEL ASSOCIATES, a
California limited partnership

By: _____
Its: VICE PRESIDENT

EMERALD OIL, INC., a California
corporation

By: _____
Its: _____

_____
JACK SMITH

WRIGHT OIL COMPANY, a
California corporation

By: _____
Its: _____

[signatures continue]

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partners
By: _____
David A. Lundin
Its: Vice President
and Chief
Financial
Officer

_____
NICHOLAS J. COVELLI

RESOLUTION TRUST CORPORATION,
as receiver for HOMEFED BANK

By: _____
Its: _____

405 HOTEL ASSOCIATES, a
California limited partnership

By: _____
Its: _____

EMERALD OIL, INC., a California
corporation

By: JC Smith
Its: President

Jack Smith
JACK SMITH

WRIGHT OIL COMPANY, a
California corporation

By: _____
Its: _____

[signatures continue]

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partners
By: _____
David A. Lundin
Its: Vice President
and Chief
Financial
Officer

_____
NICHOLAS J. COVELLI

RESOLUTION TRUST CORPORATION,
as receiver for HOMEFED BANK

By: _____
Its: _____

405 HOTEL ASSOCIATES, a
California limited partnership

By: _____
Its: _____

EMERALD OIL, INC., a California
corporation

By: _____
Its: _____

_____
JACK SMITH

WRIGHT OIL COMPANY, a
California corporation

By: _____
Its: BANKRUPTCY TRUSTEE

[signatures continue]

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partners
By: _____
David A. Lundin
Its: Vice President
and Chief
Financial
Officer

_____
NICHOLAS J. COVELLI

RESOLUTION TRUST CORPORATION,
as receiver for HOMEFED BANK

By: _____
Its: _____

405 HOTEL ASSOCIATES, a
California limited partnership

By: _____
Its: _____

EMERALD OIL, INC., a California
corporation

By: _____
Its: _____

_____
JACK SMITH

WRIGHT OIL COMPANY, a
California corporation

By: _____
Its: _____

[signatures continue]

WRIGHT COMPANIES, d/b/a
Willbarb Petroleum Carriers,
Inc., a California corporation

By: _____
Its: BANKRUPTCY TRUSTEE

_____
WILLIAM WRIGHT

_____
BARBARA WRIGHT

SHELL OIL COMPANY, a Delaware
corporation

By: _____
Its: _____

_____
ALADDIN DOROUDI

TRANS-TECH RESOURCES, INC., a
dissolved California
corporation

By: _____
William V. March
Its: Former Secretary,
pursuant to California
Corporations Code
§ 2001

ATLANTIC RICHFIELD COMPANY, a
_____ corporation

By: _____
Its: _____

P/A EL TORO INVESTORS #1, a
California limited partnership

By: _____
Its: _____

[signatures continue]

WRIGHT COMPANIES, d/b/a
Willbarb Petroleum Carriers,
Inc., a California corporation

By: _____
Its: _____

_____
WILLIAM WRIGHT

_____
BARBARA WRIGHT

SHELL OIL COMPANY, a Delaware
corporation

By: _____
Its: _____

_____
ALADDIN DOROUDI

TRANS-TECH RESOURCES, INC., a
dissolved California
corporation

By: _____
William V. March
Its: Former Secretary,
pursuant to California
Corporations Code
§ 2001

ATLANTIC RICHFIELD COMPANY, a
_____ corporation

By: _____
Its: _____

P/A EL TORO INVESTORS #1, a
California limited partnership

[signatures continue]

By: _____
Its: _____

WRIGHT COMPANIES, d/b/a
Willbarb Petroleum Carriers,
Inc., a California corporation

By: _____
Its: _____

_____
WILLIAM WRIGHT

Barbara Boyd (f.k.a. Barbara Wright
BARBARA WRIGHT

SHELL OIL COMPANY, a Delaware
corporation

By: _____
Its: _____

_____
ALADDIN DOROUDI

TRANS-TECH RESOURCES, INC., a
dissolved California
corporation

By: _____
William V. March
Its: Former Secretary,
pursuant to California
Corporations Code
§ 2001

ATLANTIC RICHFIELD COMPANY, a
_____ corporation

By: _____
Its: _____

P/A EL TORO INVESTORS #1, a
California limited partnership

[signatures continue]

By: _____
Its: _____

WRIGHT COMPANIES, d/b/a
Willbarb Petroleum Carriers,
Inc., a California corporation

By: _____
Its: _____

_____
WILLIAM WRIGHT

_____
BARBARA WRIGHT

SHELL OIL COMPANY, a Delaware
corporation

By: _____
Its: DISTRICT MANAGER

_____
ALADDIN DOROUDI

TRANS-TECH RESOURCES, INC., a
dissolved California
corporation

By: _____
William V. March
Its: Former Secretary,
pursuant to California
Corporations Code
§ 2001

ATLANTIC RICHFIELD COMPANY, a
_____ corporation

By: _____
Its: _____

P/A EL TORO INVESTORS #1, a
California limited partnership

By: _____
Its: _____

[signatures continue]

C4/9434202C.LA1/LAS/06139-004/12-29-94/11a

WRIGHT COMPANIES, d/b/a
Willbarb Petroleum Carriers,
Inc., a California corporation

By: _____
Its: _____

_____
WILLIAM WRIGHT

_____
BARBARA WRIGHT

SHELL OIL COMPANY, a Delaware
corporation

By: _____
Its: _____

ALADDIN DOROUDI

TRANS-TECH RESOURCES, INC., a
dissolved California
corporation

By: _____
William V. March
Its: Former Secretary,
pursuant to California
Corporations Code
§ 2001

ATLANTIC RICHFIELD COMPANY, a
_____ corporation

By: _____
Its: _____

P/A EL TORO INVESTORS #1, a
California limited partnership

By: _____
Its: _____

[signatures continue]

WRIGHT COMPANIES, d/b/a
Willbarb Petroleum Carriers,
Inc., a California corporation

By: _____
Its: _____

_____
WILLIAM WRIGHT

_____
BARBARA WRIGHT

SHELL OIL COMPANY, a Delaware
corporation

By: _____
Its: _____

_____
ALADDIN DOROUDI

TRANS-TECH RESOURCES, INC., a
dissolved California
corporation

By: William V. March
William V. March
Its: Former Secretary,
pursuant to California
Corporations Code
§ 2001

ATLANTIC RICHFIELD COMPANY, a
_____ corporation

By: _____
Its: _____

P/A EL TORO INVESTORS #1, a
California limited partnership

[signatures continue]

By: _____
Its: _____

WRIGHT COMPANIES, d/b/a
Willbarb Petroleum Carriers,
Inc., a California corporation

By:_____
Its:_____

_____
WILLIAM WRIGHT

_____
BARBARA WRIGHT

SHELL OIL COMPANY, a Delaware
corporation

By:_____
Its:_____

_____
ALADDIN DOROUDI

TRANS-TECH RESOURCES, INC., a
dissolved California
corporation

By:_____
William V. March
Its: Former Secretary,
pursuant to California
Corporations Code
§ 2001

ATLANTIC RICHFIELD COMPANY, a
_____ corporation

By:_____ EMM
Its:_____
Manager, Environmental Projects

P/A EL TORO INVESTORS #1, a
California limited partnership

By:_____
Its:_____

[signatures continue]

WRIGHT COMPANIES, d/b/a
Willbarb Petroleum Carriers,
Inc., a California corporation

By:_____
Its:_____

_____
WILLIAM WRIGHT

_____
BARBARA WRIGHT

SHELL OIL COMPANY, a Delaware
corporation

By:_____
Its:_____

_____
ALADDIN DOROUDI

TRANS-TECH RESOURCES, INC., a
dissolved California
corporation

By:_____
William V. March
Its: Former Secretary,
pursuant to California
Corporations Code
§ 2001

ATLANTIC RICHFIELD COMPANY, a
_____ corporation

By:_____
Its:_____

P/A EL TORO INVESTORS #1, a
California limited partnership

[signatures continue]

By: L/ABRAMS VENTURE, a California general partnersh
Its: General Partner

By: _____
Michael D. Abrams

Its: General Partner

APPROVED AS TO FORM AND
CONTENT:

ALLEN, MATKINS, LECK, GAMBLE
& MALLORY

BY: _____
ANTHONY J. OLIVA
Attorneys for SHOPPING
CENTER ASSOCIATES

APPROVED AS TO FORM AND
CONTENT:

LONG & LEVIT

BY: _____
RANDALL A. MILLER
Attorneys for
TRANSCONTINENTAL INSURANCE
CO.

APPROVED AS TO FORM AND
CONTENT:

LEWIS, D'AMATO, BRISBOIS
& BISGAARD

BY: _____
STEVEN R. RUTH
Attorneys for LHC ASSOCIATES
and ROSSMOOR CORPORATION

[signatures continue]

APPROVED AS TO FORM AND
CONTENT:

ALLEN, MATKINS, LECK, GAMBLE
& MALLORY

BY:_____
ANTHONY J. OLIVA
Attorneys for SHOPPING
CENTER ASSOCIATES

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CONTENT:

LONG & LEVIT

BY:_____
RANDALL A. MILLER
Attorneys for
TRANSCONTINENTAL INSURANCE
CO.

APPROVED AS TO FORM AND
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BY:_____
STEVEN R. RUTH
Attorneys for LHC ASSOCIATES
and ROSSMOOR CORPORATION

[signatures continue]

APPROVED AS TO FORM AND
CONTENT:

ALLEN, MATKINS, LECK, GAMBLE
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BY:_____
ANTHONY J. OLIVA
Attorneys for SHOPPING
CENTER ASSOCIATES

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BY:_____
RANDALL A. MILLER
Attorneys for
TRANSCONTINENTAL INSURANCE
CO.

APPROVED AS TO FORM AND
CONTENT:

LEWIS, D'AMATO, BRISBOIS
& BISGAARD

BY: Steven R. Ruth
STEVEN R. RUTH
Attorneys for LHC ASSOCIATES
and ROSSMOOR CORPORATION

[signatures continue]

APPROVED AS TO FORM ~~AND CONTENT:~~ CRM

MAHER & RENZI

BY: _____
CYNTHIA R. MAHER
Attorneys for RESOLUTION TRUST CORPORATION, as receiver for HOMEFED BANK

APPROVED AS TO FORM AND CONTENT:

COX, CASTLE & NICHOLSON

BY: _____
ROBERT D. INFELISE
Attorneys for 405 HOTEL ASSOCIATES

APPROVED AS TO FORM AND CONTENT:

PETTIT & MARTIN

BY: _____
VIRGIL L. ROTH
Attorneys for EMERALD OIL, INC. and JACK SMITH

APPROVED AS TO FORM AND CONTENT:

MESERVE, MUMPER & HUGHES

BY: _____
THOMAS J. BOIS, II
Attorneys for WILLBARB PETROLEUM CARRIERS, INC., d/b/a WRIGHT PETROLEUM, WILLIAM WRIGHT and BARBARA WRIGHT

[signatures continue]

APPROVED AS TO FORM AND
CONTENT:

MAHER & RENZI

BY:_____
CYNTHIA R. MAHER
Attorneys for RESOLUTION
TRUST
CORPORATION, as receiver for
HOMEFED BANK

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BY:_____
ROBERT D. INFELISE
Attorneys for 405 HOTEL
ASSOCIATES

APPROVED AS TO FORM AND
CONTENT:

PETTIT & MARTIN

BY:_____
VIRGIL L. ROTH
Attorneys for EMERALD OIL,
INC. and JACK SMITH

APPROVED AS TO FORM AND
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MESERVE, MUMPER & HUGHES

BY:_____
THOMAS J. BOIS, II
Attorneys for WILLBARB
PETROLEUM CARRIERS,
INC., d/b/a WRIGHT
PETROLEUM, WILLIAM WRIGHT
and BARBARA WRIGHT

[signatures continue]

APPROVED AS TO FORM AND
CONTENT:

MAHER & RENZI

BY:_____
CYNTHIA R. MAHER
Attorneys for RESOLUTION
TRUST
CORPORATION, as receiver for
HOMEFED BANK

APPROVED AS TO FORM AND
CONTENT:

COX, CASTLE & NICHOLSON

BY:_____
ROBERT D. INFELISE
Attorneys for 405 HOTEL
ASSOCIATES

APPROVED AS TO FORM AND
CONTENT:

PETTIT & MARTIN

BY: Virgil L. Roth
VIRGIL L. ROTH
Attorneys for EMERALD OIL,
INC. and JACK SMITH

APPROVED AS TO FORM AND
CONTENT:

MESERVE, MUMPER & HUGHES

BY:_____
THOMAS J. BOIS, II
Attorneys for WILLBARB
PETROLEUM CARRIERS,
INC., d/b/a WRIGHT
PETROLEUM, WILLIAM WRIGHT
and BARBARA WRIGHT

[signatures continue]

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MAHER & RENZI

BY:_____
CYNTHIA R. MAHER
Attorneys for RESOLUTION
TRUST
CORPORATION, as receiver for
HOMEFED BANK

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BY:_____
ROBERT D. INFELISE
Attorneys for 405 HOTEL
ASSOCIATES

APPROVED AS TO FORM AND
CONTENT:

PETTIT & MARTIN

BY:_____
VIRGIL L. ROTH
Attorneys for EMERALD OIL,
INC. and JACK SMITH

APPROVED AS TO FORM AND
CONTENT:

MESERVE, MUMPER & HUGHES

BY:_____ for
THOMAS J. BOIS, II
Attorneys for WILLBARB
PETROLEUM CARRIERS,
INC., d/b/a WRIGHT
PETROLEUM, WILLIAM WRIGHT
and BARBARA WRIGHT

[signatures continue]

APPROVED AS TO FORM AND
CONTENT:

LAW OFFICES OF DAVID J. EARLE

BY: _____
DAVID J. EARLE
Attorneys for SHELL OIL
COMPANY and ALADDIN DOROUDI

APPROVED AS TO FORM AND
CONTENT:

ROPER & FOLINO

BY: _____
DOMINIC FOLINO
Attorneys for TRANS-TECH
RESOURCES, INC.

APPROVED AS TO FORM AND
CONTENT:

SHEPPARD, MULLIN, RICHTER &
HAMPTON

BY: _____
JUSTINE M. CASEY
Attorneys for ATLANTIC
RICHFIELD
COMPANY

APPROVED AS TO FORM AND
CONTENT:

RODARTI & SHASTEEN

BY: _____
RICHARD G. FELD
Attorneys for P/A EL TORO
INVESTORS #1

C4/9434202C.LA1/LAS/06139-004/12-29-94/11a

APPROVED AS TO FORM AND
CONTENT:

LAW OFFICES OF DAVID J. EARLE

BY:_____
DAVID J. EARLE
Attorneys for SHELL OIL
COMPANY and ALADDIN DOROUDI

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ROPER & FOLINO

BY:_____
DOMINIC FOLINO
Attorneys for TRANS-TECH
RESOURCES, INC.

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HAMPTON

BY:_____
JUSTINE M. CASEY
Attorneys for ATLANTIC
RICHFIELD
COMPANY

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RODARTI & SHASTEEN

BY:_____
RICHARD G. FELD
Attorneys for P/A EL TORO
INVESTORS #1

APPROVED AS TO FORM AND
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LAW OFFICES OF DAVID J. EARLE

BY:_____
DAVID J. EARLE
Attorneys for SHELL OIL
COMPANY and ALADDIN DOROUDI

APPROVED AS TO FORM AND
CONTENT:

ROPER & FOLINO

BY:_____
DOMINIC FOLINO
Attorneys for TRANS-TECH
RESOURCES, INC.

APPROVED AS TO FORM AND
CONTENT:

SHEPPARD, MULLIN, RICHTER &
HAMPTON

BY: Justine M Casey
JUSTINE M. CASEY
Attorneys for ATLANTIC
RICHFIELD
COMPANY

APPROVED AS TO FORM AND
CONTENT:

RODARTI & SHASTEEN

BY:_____
RICHARD G. FELD
Attorneys for P/A EL TORO
INVESTORS #1

APPROVED AS TO FORM AND
CONTENT:

LAW OFFICES OF DAVID J. EARLE

BY:_____
DAVID J. EARLE
Attorneys for SHELL OIL
COMPANY and ALADDIN DOROUDI

APPROVED AS TO FORM AND
CONTENT:

ROPER & FOLINO

BY:_____
DOMINIC FOLINO
Attorneys for TRANS-TECH
RESOURCES, INC.

APPROVED AS TO FORM AND
CONTENT:

SHEPPARD, MULLIN, RICHTER &
HAMPTON

BY:_____
JUSTINE M. CASEY
Attorneys for ATLANTIC
RICHFIELD
COMPANY

APPROVED AS TO FORM AND
CONTENT:

RODARTI & SHASTEEN

BY: Richard G. Feld
RICHARD G. FELD
Attorneys for P/A EL TORO
INVESTORS #1

C4/94244202C.LA1/LAS/06139-004/12-29-94/11a

ROBERT J. CATHCART (STATE BAR NO. 54906)
ANTHONY J. OLIVA (STATE BAR NO. 123971)
LEE A. SHIRANI (STATE BAR NO. 151313)
ALLEN, MATKINS, LECK, GAMBLE & MALLORY
515 South Figueroa Street, Eighth Floor
Los Angeles, California 90071-3398
Telephone: (213) 622-5555

Attorneys for Plaintiff
SHOPPING CENTER ASSOCIATES

UNITED STATES DISTRICT COURT

CENTRAL DISTRICT OF CALIFORNIA

SHOPPING CENTER ASSOCIATES, a New York general partnership, Plaintiff, vs. HOMEFED BANK, a federal savings bank; 405 HOTEL ASSOCIATES, a California limited partnership; EMERALD OIL, INC., a California corporation; TRANS-TECH RESOURCES, INC., a corporation; KEESEE TANK AND PUMP COMPANY, a California corporation; PALS ASSOCIATES, INC., a corporation; LHC ASSOCIATES, a corporation; ROSSMOOR CORPORATION, a corporation; and DOES 1 through 100, inclusive, Defendants.	CASE NO. SACV 92-0639-GLT STIPULATION AND ORDER FOR DISMISSAL F.R.C.P. 41(a)(2)
LHC ASSOCIATES, a California general partnership; ROSSMOOR CORPORATION, a corporation, Cross-complainants, vs. SHOPPING CENTER ASSOCIATES; HOMEFED BANK; 405 HOTEL	

ASSOCIATES; 405 HOTEL CORP.; SIGNET; EMERALD OIL, INC.; TRANS-TECH RESOURCES, INC.; PALS ASSOCIATES, INC.; KEESEE TANK & PUMP CO., INC.; UNION OIL COMPANY; SHELL OIL COMPANY; ATLANTIC RICHFIELD COMPANY; EXXON; MOBIL; TEXACO; PAN-AMERICAN PROPERTIES; CONTINENTAL ILL. PROPERTIES; P/A EL TORO INVESTORS #1; WALLACE FRANSON; MARK AND SONIA KORNWASSER; ELMER AND GRACE WHISLER; STELLA RENSHAH; SCHWARTZ LAND COMPANY; BUCHHEIM PROPERTIES; PETER AND EVELINE ROSE; BILL PAGE ENTERPRISES, INC.; TERRY BAWN, INC.; JACK SMITH; WILLIAM WRIGHT; GILBERT ORR; JIM TREVORROW; ALADDIN DOROUDI; DARELL WILLIAMS; BILL AND MARY REGAN; MARGE BUREK; ABDOL R. MOUSSAVI; PETER BOYD; LINDA LUCE; M. KEATE WORLEY; and ROES 1000 through 1500, inclusive,

Cross-defendants.

P/A EL TORO INVESTORS, #1,

Cross-complainant,

vs.

EUGENE DOMS; 405 HOTEL ASSOCIATES, a California limited partnership; 405 HOTEL CORP., a California corporation; SIGNET, a corporation; EMERALD OIL, INC., a California corporation; TRANS TECH RESOURCES, INC., a corporation; PALS ASSOCIATES, INC., a corporation; KEESEE TANK AND PUMP COMPANY, a California corporation; UNION OIL COMPANY, a corporation; CHEVRON, a corporation; SHELL OIL COMPANY, a corporation; ATLANTIC RICHFIELD COMPANY, a corporation; EXXON, a corporation, MOBIL, a corporation; TEXACO, a corporation; PAN-AMERICAN

PROPERTIES, INC., a Delaware corporation; CONTINENTAL ILLINOIS PROPERTIES, a corporation; WALLACE FRANSON; MARK KORNWASSER; SONIA KORNWASSER; ELMER WHISLER; GRACE WHISLER; STELLA RENSHAH; SCHWARTZ LAND COMPANY; BUCHHEIM PROPERTIES; PETER ROSE; EVELINE ROSE; BILL PAGE ENTERPRISES, INC., a corporation; TERRY BAWN, INC., a corporation; JACK SMITH; WILLIAM WRIGHT; GILBERT ORR; JIM TREVORROW; ALADDIN DOROUDI; DARELL WILLIAMS; BILL REGAN; MARY REGAN; MARGE BUREK; ABDOL R. MOUSSAVI; PETER BOYD; LINDA LUCE; M. KEATE WORLEY; and DOES 101 through 200, inclusive,

Cross-defendants.

IT IS HEREBY STIPULATED by and between the parties to this action, through their designated counsel, pursuant to Federal Rules of Civil Procedure 41(a)(2), as follows:

1. Plaintiff, Shopping Center Associates ("SCA"), hereby dismisses the above-captioned action (the "Action"), with prejudice, as to HomeFed Bank, 405 Hotel Associates, Emerald Oil, Inc., Wright Companies, d/b/a Willbarb Petroleum Carriers, Inc., Shell Oil Company, Trans-Tech Resources, Inc. and P/A El Toro Investors #1;

2. SCA hereby dismisses the Action, without prejudice, as to Rossmoor Corporation and LHC Associates;

3. HomeFed Bank, 405 Hotel Associates, Emerald Oil, Inc., Wright Companies, d/b/a Willbarb Petroleum Carriers, Inc., Shell Oil Company, Trans-Tech Resources, Inc., and P/A El Toro hereby dismiss all of their counter-claims (and/or any cross-

claims), with prejudice, as to all of the parties, and dismiss their counter-claims, with prejudice, as to SCA;

4. This Stipulation and Order incorporates by reference, as though fully set forth herein, the Settlement Agreement And Release attached hereto as Exhibit "A". This Stipulation and Order expressly reserves jurisdiction in the United States District Court, Central District of California, to hereafter enforce the Settlement Agreement, manage the proceedings and effectuate the Court's orders.

5. The parties acknowledge that the Court's entry of dismissal in accordance with the terms of this Stipulation and Order in no way impairs the parties' ability to enforce the terms of the Settlement Agreement or this Court's jurisdiction.

6. By entering into this Stipulation, Transcontinental Insurance Company hereby submits to the Court's jurisdiction and agrees that by entering into this Stipulation, it is voluntarily appearing in the Action and expressly consenting to the Court's jurisdiction.

7. This Stipulation (along with all attachments hereto) shall be filed under seal.

DATED: December __, 1994

ALLEN, MATKINS, LECK, GAMBLE & MALLORY
ROBERT J. CATHCART
ANTHONY J. OLIVA
LEE A. SHIRANI

By: _____
Anthony J. Oliva
Attorneys for Plaintiff
SHOPPING CENTER ASSOCIATES

DATED: December __, 1994

LONG & LEVIT
RANDALL A MILLER

By: _____
Randall A. Miller
Attorneys for Defendant
TRANSCONTINENTAL INSURANCE COMPANY

DATED: December __, 1994

LEWIS, D'AMATO, BRISBOIS & BISGAARD
STEVEN R. RUTH

By: _____
Steven R. Ruth
Attorneys for Defendants LHC ASSOCIATES and ROSSMOOR CORPORATION

DATED: December __, 1994

MAHER & RENZI
CYNTHIA R. MAHER

By: _____
Cynthia R. Maher
Attorneys for Defendant
RESOLUTION TRUST CORPORATION, as receiver for HOMEFED BANK

DATED: December __, 1994

COX, CASTLE & NICHOLSON
ROBERT D. INFELISE

By: _____
Robert D. Infelise
Attorneys for Defendant 405 HOTEL ASSOCIATES

DATED: December __, 1994

PETTIT & MARTIN
VIRGIL L. ROTH

By: _____
Virgil L. Roth
Attorneys for Defendant
EMERALD OIL, INC.

[signatures continue]

DATED: December __, 1994

MESERVE, MUMPER & HUGHES
THOMAS J. BOIS, II

By: _____
Thomas J. Bois, II
Attorneys for Defendant WRIGHT COMPANIES, d/b/a WILLBARB PETROLEUM CARRIERS, INC.

DATED: December __, 1994

SHELL OIL COMPANY
DAVID J. EARLE

By: _____
David J. Earle
Attorneys for Defendant SHELL OIL COMPANY

DATED: December __, 1994

ROPER & FOLINO
DOMINIC FOLINO

By: _____
Domenic Folino
Attorneys for Defendant TRANS-TECH RESOURCES, INC.

DATED: December __, 1994

RODARTI & SHASTEEN
RICHARD G. FELD

By: _____
Richard G. Feld
Attorneys for Defendant P/A EL TORO INVESTORS #1

ORDER

IT IS SO ORDERED.

Dated: December __, 1994

_____
Honorable Gary L. Taylor,
United States District Judge

AGREEMENT REGARDING TOLLING OF STATUTES OF LIMITATIONS AND OTHER TIME LIMITS

This Agreement Regarding Tolling of Statutes of Limitations and Other Time Limits ("Tolling Agreement") is made and entered into as of this ___ day of December, 1994, ("Tolling Agreement Effective Date") by and between Shopping Center Associates, a New York general partnership ("SCA"), on the one hand, and Rossmoor Corporation, a dissolved California corporation, Rossmoor Partners, L.P. and LHC Associates, a California general partnership (collectively the "Rossmoor Defendants"), on the other hand.

RECITALS

A. Pursuant to Cleanup and Abatement Order 88-109 (the "C&A Order"), some of the Rossmoor Defendants (among others) have been ordered by the California Regional Water Quality Control Board, Santa Ana Region ("RWQCB"), to remediate the petroleum hydrocarbon discharges at or beneath real property commonly known as the Laguna Hills Mall (the "Mall Property") and at or beneath areas surrounding the Mall Property.

B. On or about August 28, 1990, SCA filed a Complaint for nuisance, trespass and negligence, among other causes of action ("Original Complaint"), as more fully set forth in the Original Complaint in the Orange County Superior Court case entitled Shopping Center Associates v. HomeFed Bank, et al., Case No. 634507 (the "Action"), which Action was subsequently removed

to United States District Court, Central District of California (the "Court"), Case No. SACV92-639GLT. Thereafter, SCA sought and was granted leave to file a Third Amended Complaint (the "Complaint").

C. In the Action, SCA sought to recover damages from the Rossmoor Defendants, among others, arising from the alleged contamination of the Mall Property by hazardous substances and other contaminants, including petroleum hydrocarbons, which substances and contaminants have migrated from sources upgradient and/or cross-gradient from the Mall Property onto the Mall Property and into the soil and ground water thereunder.

D. The Rossmoor Defendants answered the Original Complaint and, among other things, denied any responsibility for the facts pleaded in the Complaint.

E. The parties recognize that the judicial resolution of such claims and disputes will be costly and time consuming and desire to resolve their claims and disputes, in accordance with the terms and conditions of the Settlement Agreement and Release ("Agreement") entered into by, between and among SCA and the Rossmoor Defendants, among others. Further, in connection with that effort, and without acquiescing to or conceding the correctness of the others' claims, contentions or defenses, SCA and the Rossmoor Defendants, in consideration of the mutual covenants and conditions set forth in the Agreement, the Stipulation for Dismissal ("Stipulation") and this Tolling

Agreement, desire to abate the litigation at this time, under the terms and conditions of this Tolling Agreement, the Agreement and the Stipulation, executed concurrently with the Tolling Agreement filed with the Court.

Now, therefore, without otherwise waiving or relinquishing any rights, claims, contentions, or defenses they presently have or claim to have in the Action, SCA and the Rossmoor Defendants hereby agree as follows:

AGREEMENT

1. As of the Tolling Agreement Effective Date, the running of any applicable statutes of limitations and the time period considered in the application of the doctrine of laches (collectively, the "time period") with respect to SCA's claims in the Action shall be deemed tolled from the date the Action was commenced (i.e., August 28, 1990) with respect to those claims asserted in this Action. With respect to those claims not yet asserted, the time period shall be deemed tolled from the date the settlement of the Action was put on the record before the settlement judge in the Action, Judge James Smith of the Orange County Superior Court (i.e. September 14, 1994). The time period for asserted and as yet unasserted claims shall be deemed tolled through and until the date the tolling of the time period is terminated in accordance with the provisions of paragraphs 2 and/or 3, below (the "tolling period").

2. Subsequent to the complete remediation of the Mall Property, as evidenced solely by the issuance of a letter in a form substantially similar to the form attached hereto as Exhibit "1" from the Regional Water Quality Control Board ("RWQCB"), stating that no further remediation is necessary (the "Closure Letter), the Rossmoor Defendants may terminate the tolling period by written notice thereof, sent to SCA and its counsel, either by personal delivery, by facsimile transmission or by certified mail, return receipt requested, addressed as follows:

Shopping Center Associates
c/o The O'Connor Group
399 Park Avenue, 25th Floor
New York, New York 10022

With a copy to:

Anthony J. Oliva, Esq.
Allen, Matkins, Leck, Gamble & Mallory
515 South Figueroa Street, Eighth Floor
Los Angeles, California 90071

The tolling period shall terminate fifteen (15) days after receipt of the notice pursuant to this paragraph 2.

3. Notwithstanding the foregoing, SCA may terminate the tolling period and thereafter reinstate the Action, as if the Action had been pending continuously during the tolling period, by refiling the Complaint with either the Orange County Superior Court or the United States District Court, Central District of California, at any point after which 1) RWQCB determines that any of the parties named to the C&A Order are not complying with the C&A Order; or 2) Transcontinental Insurance Co. ("Transcon") ceases to fund the cleanup of the Mall Property or any other

portion of the Sites as defined in Paragraph 5 of the Agreement. SCA may terminate the tolling period by written notice thereof, sent to the Rossmoor Defendants and their counsel, either by personal delivery, by facsimile transmission or by certified mail, return receipt requested, addressed as follows:

Transcontinental Insurance Co.
333 South Wabash Avenue
CNA Plaza/37 S
Chicago, Illinois 60685
Attn: Robert Kanonik

Rossmoor Partners, L.P.
c/o Cortese Properties, Inc.
1551 N. Tustin Ave., Suite 830
Santa Ana, California 92701
Attn: President

23991 El Toro, Inc.
1551 N. Tustin Ave., Suite 830
Santa Ana, California 92701
Attn: President

With a copy to:
Randall A. Miller, Esq.
Long & Levit
633 West Fifth Street, Suite 5900
Los Angeles, California 90071

Steven R. Ruth, Esq.
Lewis, D'Amato, Brisbois & Bisgaard
221 N. Figueroa St., Suite 1200
Los Angeles, California 90012

Mark L. Musto, Esq.
Goldstein & Phillips
One Embarcadero Center, 8th Floor
San Francisco, California 94111

Duke F. Wahlquist
Rutan & Tucker
611 Anton Blvd., Suite 1400
Costa Mesa, California 92628

The tolling period shall terminate fifteen (15) days after receipt of notice pursuant to this paragraph 3.

4. The parties acknowledge and agree that all statutes, local rules and other requirements setting time limits for the prosecution of a pending lawsuit are hereby waived for the duration of the tolling period. All discovery conducted and/or obtained in the Action will be treated by SCA and the Rossmoor Defendants in any further lawsuit as though such discovery had been commenced and/or obtained in such further lawsuit.

5. This Agreement shall inure to the benefit of, and be binding upon, SCA's and the Rossmoor Defendants' respective present and future affiliates, subsidiaries, officers, directors, managing directors, shareholders, partners, principals, joint venturers, co-owners, successors, assigns, attorneys, agents, alter egos, heirs, executors, employees, and representatives, if any, and each of them.

6. Except as expressly provided hereinabove to the contrary, in the event the Action is reinstated by SCA, this Agreement shall operate to preserve the rights, duties, and obligations of SCA and the Rossmoor Defendants as of the date this Action was filed, as well as the legal contentions asserted by the parties during the time the Action was pending.

SHOPPING CENTER ASSOCIATES, a New York general partnership

By: O'Connor Retail Partners, L.P., a Delaware limited partnership, Managing General Partner

By: J.W. O'Connor & Co., Incorporated, General Partner

By:_____
Its:_____

ROSSMOOR CORPORATION, a dissolved California corporation

By:_____
Its:_____

LHC ASSOCIATES, a dissolved California general partnership

By: 23991 El Toro, Inc.
Its: Last Remaining Partner (pursuant to California Corporations Code § 15035(1)(o)

By: _____
David A. Lundin
Its: Chief Financial Officer

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partner

By: _____
David A. Lundin
Its: Vice
President and
Chief Financial
Officer

FORM AND CONTENT APPROVED BY:

ALLEN, MATKINS, LECK GAMBLE
& MALLORY

By: _____
ANTHONY J. OLIVA
Attorneys for SHOPPING
CENTER ASSOCIATES

FORM AND CONTENT APPROVED BY:

LEWIS, D'AMATO, BRISBOIS &
BISGAARD

By: _____
STEVEN R. RUTH
Attorneys for ROSSMOOR
CORPORATION, LHC
ASSOCIATES and ROSSMOOR
PARTNERS, L.P.

MODEL UNDERGROUND STORAGE TANK CLOSURE LETTER

Date

_____
_____
_____

Dear _____:

UNDERGROUND STORAGE TANK (UST) CASE CLOSURE
NAME AND ADDRESS
CASE NO. _____

This letter confirms the completion of site investigation and remedial action for the underground storage tank(s) formerly located at the above-described location.

Based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e).

Please contact _____ at _____ if you have any questions regarding this matter.

Sincerely,

_____
Executive Officer

cc: (appropriate local agency)

'94 SEP 21

Post-it™ brand fax transmittal memo 7671	# of pages ▸ 1
To Mr. Lu Shirani	From Ken Williams
Co. Alken Atkins	Co. RWQCB #5
Dept. 1-213-622-5555	Phone # 909 782 4496
Fax # 1-213-620-6076	Fax # 909 781-6288

ROBERT J. CATHCART (STATE BAR NO. 54906)
ANTHONY J. OLIVA (STATE BAR NO. 123971)
LEE A. SHIRANI (STATE BAR NO. 151313)
ALLEN, MATKINS, LECK, GAMBLE & MALLORY
515 South Figueroa Street, Eighth Floor
Los Angeles, California 90071-3398
Telephone: (213) 622-5555

Attorneys for Plaintiff
SHOPPING CENTER ASSOCIATES

FILED
MAR 2 1
CLERK, U.S. DISTRICT COURT
CENTRAL DISTRICT OF CALIFORNIA
SANTA ANA OFFICE
BY DEPUTY

MAR 2 1 1995
CT COURT
- CALIFORNIA
FICE

UNITED STATES DISTRICT COURT

CENTRAL DISTRICT OF CALIFORNIA

SHOPPING CENTER ASSOCIATES, a New York general partnership, Plaintiff, vs. HOMEFED BANK, a federal savings bank; 405 HOTEL ASSOCIATES, a California limited partnership; EMERALD OIL, INC., a California corporation; TRANS-TECH RESOURCES, INC., a corporation; KEESEE TANK AND PUMP COMPANY, a California corporation; PALS ASSOCIATES, INC., a corporation; LHC ASSOCIATES, a corporation; ROSSMOOR CORPORATION, a corporation; and DOES 1 through 100, inclusive, Defendants.	CASE NO. SACV 92-0639-GLT STIPULATION AND ORDER FOR DISMISSAL F.R.C.P. 41(a)(2)
LHC ASSOCIATES, a California general partnership; ROSSMOOR CORPORATION, a corporation, Cross-complainants, vs. SHOPPING CENTER ASSOCIATES; HOMEFED BANK; 405 HOTEL	

ASSOCIATES; 405 HOTEL CORP.; SIGNET; EMERALD OIL, INC.; TRANS-TECH RESOURCES, INC.; PALS ASSOCIATES, INC.; KEESEE TANK & PUMP CO., INC.; UNION OIL COMPANY; SHELL OIL COMPANY; ATLANTIC RICHFIELD COMPANY; EXXON; MOBIL; TEXACO; PAN-AMERICAN PROPERTIES; CONTINENTAL ILL. PROPERTIES; P/A EL TORO INVESTORS #1; WALLACE FRANSON; MARK AND SONIA KORNWASSER; ELMER AND GRACE WHISLER; STELLA RENSHAH; SCHWARTZ LAND COMPANY; BUCHHEIM PROPERTIES; PETER AND EVELINE ROSE; BILL PAGE ENTERPRISES, INC.; TERRY BAWN, INC.; JACK SMITH; WILLIAM WRIGHT; GILBERT ORR; JIM TREVORROW; ALADDIN DOROUDI; DARELL WILLIAMS; BILL AND MARY REGAN; MARGE BUREK; ABDOL R. MOUSSAVI; PETER BOYD; LINDA LUCE; M. KEATE WORLEY; and ROES 1000 through 1500, inclusive,

Cross-defendants.

P/A EL TORO INVESTORS, #1,

Cross-complainant,

vs.

EUGENE DOMS; 405 HOTEL ASSOCIATES, a California limited partnership; 405 HOTEL CORP., a California corporation; SIGNET, a corporation; EMERALD OIL, INC., a California corporation; TRANS TECH RESOURCES, INC., a corporation; PALS ASSOCIATES, INC., a corporation; KEESEE TANK AND PUMP COMPANY, a California corporation; UNION OIL COMPANY, a corporation; CHEVRON, a corporation; SHELL OIL COMPANY, a corporation; ATLANTIC RICHFIELD COMPANY, a corporation; EXXON, a corporation, MOBIL, a corporation; TEXACO, a corporation; PAN-AMERICAN

PROPERTIES, INC., a Delaware corporation; CONTINENTAL ILLINOIS PROPERTIES, a corporation; WALLACE FRANSON; MARK KORNWASSER; SONIA KORNWASSER; ELMER WHISLER; GRACE WHISLER; STELLA RENSHAH; SCHWARTZ LAND COMPANY; BUCHHEIM PROPERTIES; PETER ROSE; EVELINE ROSE; BILL PAGE ENTERPRISES, INC., a corporation; TERRY BAWN, INC., a corporation; JACK SMITH; WILLIAM WRIGHT; GILBERT ORR; JIM TREVORROW; ALADDIN DOROUDI; DARELL WILLIAMS; BILL REGAN; MARY REGAN; MARGE BUREK; ABDOL R. MOUSSAVI; PETER BOYD; LINDA LUCE; M. KEATE WORLEY; and DOES 101 through 200, inclusive,

Cross-defendants.

IT IS HEREBY STIPULATED by and between the parties to this action, through their designated counsel, pursuant to Federal Rules of Civil Procedure 41(a)(2), as follows:

1. Plaintiff, Shopping Center Associates ("SCA"), hereby dismisses the above-captioned action (the "Action"), with prejudice, as to HomeFed Bank, 405 Hotel Associates, Emerald Oil, Inc., Wright Companies, d/b/a Willbarb Petroleum Carriers, Inc., Shell Oil Company, Trans-Tech Resources, Inc. and P/A El Toro Investors #1;

2. SCA hereby dismisses the Action, without prejudice, as to Rossmoor Corporation and LHC Associates;

3. Rossmoor Corporation, LHC Associates, HomeFed Bank, 405 Hotel Associates, Emerald Oil, Inc., Wright Companies, d/b/a Willbarb Petroleum Carriers, Inc., Shell Oil Company, Trans-Tech Resources, Inc., and P/A El Toro hereby dismiss their counter-claims (and/or cross-claims), with prejudice, as to all

of the parties, and dismiss all of their counter-claims, with prejudice, as to SCA;

4. This Stipulation and Order incorporates by reference, as though fully set forth herein, the Settlement Agreement And Release attached hereto as Exhibit "A". This Stipulation and Order expressly reserves jurisdiction in the United States District Court, Central District of California, to hereafter enforce the Settlement Agreement, manage the proceedings and effectuate the Court's orders.

5. The parties acknowledge that the Court's entry of dismissal in accordance with the terms of this Stipulation and Order in no way impairs the parties' ability to enforce the terms of the Settlement Agreement or this Court's jurisdiction.

6. By entering into this Stipulation, Transcontinental Insurance Company hereby submits to the Court's jurisdiction and agrees that by entering into this Stipulation, it is voluntarily appearing in the Action and expressly consenting to the Court's jurisdiction.

7. This Stipulation (along with all attachments hereto) shall be filed under seal.

DATED: ~~December~~ March 20, 1994

ALLEN, MATKINS, LECK, GAMBLE & MALLORY
ROBERT J. CATHCART
ANTHONY J. OLIVA
LEE A. SHIRANI

By: _____
Anthony J. Oliva
Attorneys for Plaintiff
SHOPPING CENTER ASSOCIATES

DATED: ~~December~~ January __, 1995 LONG & LEVIT
RANDALL A MILLER

By: _____
Randall A. Miller
Attorneys for Defendant
TRANSCONTINENTAL INSURANCE
COMPANY

DATED: December __, 1994 LEWIS, D'AMATO, BRISBOIS & BISGAARD
STEVEN R. RUTH

By: _____
Steven R. Ruth
Attorneys for Defendants LHC
ASSOCIATES and ROSSMOOR
CORPORATION

DATED: December __, 1994 MAHER & RENZI
CYNTHIA R. MAHER

By: _____
Cynthia R. Maher
Attorneys for Defendant
RESOLUTION TRUST CORPORATION,
as receiver for HOMEFED BANK

DATED: December __, 1994 COX, CASTLE & NICHOLSON
ROBERT D. INFELISE

By: _____
Robert D. Infelise
Attorneys for Defendant 405
HOTEL ASSOCIATES

DATED: December __, 1994 PETTIT & MARTIN
VIRGIL L. ROTH

By: _____
Virgil L. Roth
Attorneys for Defendant
EMERALD OIL, INC.

[signatures continue]

DATED: December __, 1994

LONG & LEVIT
RANDALL A MILLER

By: _____
Randall A. Miller
Attorneys for Defendant
TRANSCONTINENTAL INSURANCE COMPANY

DATED: ~~December __, 1994~~ February 14, 1995

LEWIS, D'AMATO, BRISBOIS & BISGAARD
STEVEN R. RUTH

By: Steven R. Ruth
Steven R. Ruth
Attorneys for Defendants LHC ASSOCIATES and ROSSMOOR CORPORATION

DATED: December __, 1994

MAHER & RENZI
CYNTHIA R. MAHER

By: _____
Cynthia R. Maher
Attorneys for Defendant
RESOLUTION TRUST CORPORATION, as receiver for HOMEFED BANK

DATED: December __, 1994

COX, CASTLE & NICHOLSON
ROBERT D. INFELISE

By: _____
Robert D. Infelise
Attorneys for Defendant 405 HOTEL ASSOCIATES

DATED: December __, 1994

PETTIT & MARTIN
VIRGIL L. ROTH

By: _____
Virgil L. Roth
Attorneys for Defendant
EMERALD OIL, INC.

[signatures continue]

DATED: December __, 1994

LONG & LEVIT
RANDALL A MILLER

By: _____
Randall A. Miller
Attorneys for Defendant
TRANSCONTINENTAL INSURANCE COMPANY

DATED: December __, 1994

LEWIS, D'AMATO, BRISBOIS & BISGAARD
STEVEN R. RUTH

By: _____
Steven R. Ruth
Attorneys for Defendants LHC ASSOCIATES and ROSSMOOR CORPORATION

DATED: ~~December~~ February 7, 1994

MAHER & RENZI
CYNTHIA R. MAHER

By: Cynthia R. Maher
Cynthia R. Maher
Attorneys for Defendant
RESOLUTION TRUST CORPORATION, as receiver for HOMEFED BANK

DATED: December __, 1994

COX, CASTLE & NICHOLSON
ROBERT D. INFELISE

By: _____
Robert D. Infelise
Attorneys for Defendant 405 HOTEL ASSOCIATES

DATED: December __, 1994

PETTIT & MARTIN
VIRGIL L. ROTH

By: _____
Virgil L. Roth
Attorneys for Defendant
EMERALD OIL, INC.

[signatures continue]

DATED: December __, 1994

LONG & LEVIT
RANDALL A MILLER

By: _____
Randall A. Miller
Attorneys for Defendant
TRANSCONTINENTAL INSURANCE COMPANY

DATED: December __, 1994

LEWIS, D'AMATO, BRISBOIS & BISGAARD
STEVEN R. RUTH

By: _____
Steven R. Ruth
Attorneys for Defendants LHC ASSOCIATES and ROSSMOOR CORPORATION

DATED: December __, 1994

MAHER & RENZI
CYNTHIA R. MAHER

By: _____
Cynthia R. Maher
Attorneys for Defendant
RESOLUTION TRUST CORPORATION, as receiver for HOMEFED BANK

DATED: ~~December~~ February 15, 199~~4~~5

COX, CASTLE & NICHOLSON
ROBERT D. INFELISE

By: _____
Robert D. Infelise
Attorneys for Defendant 405 HOTEL ASSOCIATES

DATED: December __, 1994

PETTIT & MARTIN
VIRGIL L. ROTH

By: _____
Virgil L. Roth
Attorneys for Defendant
EMERALD OIL, INC.

[signatures continue]

DATED: December __, 1994

LONG & LEVIT
RANDALL A MILLER

By: _____
Randall A. Miller
Attorneys for Defendant
TRANSCONTINENTAL INSURANCE COMPANY

DATED: December __, 1994

LEWIS, D'AMATO, BRISBOIS & BISGAARD
STEVEN R. RUTH

By: _____
Steven R. Ruth
Attorneys for Defendants LHC ASSOCIATES and ROSSMOOR CORPORATION

DATED: December __, 1994

MAHER & RENZI
CYNTHIA R. MAHER

By: _____
Cynthia R. Maher
Attorneys for Defendant
RESOLUTION TRUST CORPORATION, as receiver for HOMEFED BANK

DATED: December __, 1994

COX, CASTLE & NICHOLSON
ROBERT D. INFELISE

By: _____
Robert D. Infelise
Attorneys for Defendant 405 HOTEL ASSOCIATES

DATED: December __, 1994

PETTIT & MARTIN
VIRGIL L. ROTH

By: _____
Virgil L. Roth
Attorneys for Defendant
EMERALD OIL, INC.

[signatures continue]

DATED: ~~December~~ FEBRUARY 9, 199~~4~~5

MESERVE, MUMPER & HUGHES
THOMAS J. BOIS, II

By: _____
Thomas J. Bois, II
Attorneys for Defendant WRIGHT COMPANIES, d/b/a WILLBARB PETROLEUM CARRIERS, INC.

DATED: December __, 1994

SHELL OIL COMPANY
DAVID J. EARLE

By: _____
David J. Earle
Attorneys for Defendant SHELL OIL COMPANY

DATED: December __, 1994

ROPER & FOLINO
DOMINIC FOLINO

By: _____
Domenic Folino
Attorneys for Defendant TRANS-TECH RESOURCES, INC.

DATED: December __, 1994

RODARTI & SHASTEEN
RICHARD G. FELD

By: _____
Richard G. Feld
Attorneys for Defendant P/A EL TORO INVESTORS #1

ORDER

IT IS SO ORDERED.

Dated: December __, 1994

_____
Honorable Gary L. Taylor,
United States District Judge

DATED: December __, 1994

MESERVE, MUMPER & HUGHES
THOMAS J. BOIS, II

By: _____
Thomas J. Bois, II
Attorneys for Defendant WRIGHT COMPANIES, d/b/a WILLBARB PETROLEUM CARRIERS, INC.

DATED: December __, 1994

~~SHELL OIL COMPANY~~
DAVID J. EARLE

By: _____
David J. Earle
Attorneys for Defendant SHELL OIL COMPANY

DATED: December __, 1994

ROPER & FOLINO
DOMINIC FOLINO

By: _____
Domenic Folino
Attorneys for Defendant TRANS-TECH RESOURCES, INC.

DATED: December __, 1994

RODARTI & SHASTEEN
RICHARD G. FELD

By: _____
Richard G. Feld
Attorneys for Defendant P/A EL TORO INVESTORS #1

ORDER

IT IS SO ORDERED.

Dated: December __, 1994

_____
Honorable Gary L. Taylor,
United States District Judge

DATED: December __, 1994

MESERVE, MUMPER & HUGHES
THOMAS J. BOIS, II

By: _____
Thomas J. Bois, II
Attorneys for Defendant WRIGHT COMPANIES, d/b/a WILLBARB PETROLEUM CARRIERS, INC.

DATED: December __, 1994

SHELL OIL COMPANY
DAVID J. EARLE

By: _____
David J. Earle
Attorneys for Defendant SHELL OIL COMPANY

DATED: ~~December~~ February 9, 1995

ROPER & FOLINO
DOMINIC FOLINO

By: _____
Domenic Folino
Attorneys for Defendant TRANS-TECH RESOURCES, INC.

DATED: December __, 1994

RODARTI & SHASTEEN
RICHARD G. FELD

By: _____
Richard G. Feld
Attorneys for Defendant P/A EL TORO INVESTORS #1

ORDER

IT IS SO ORDERED.

Dated: December __, 1994

_____
Honorable Gary L. Taylor,
United States District Judge

DATED: December __, 1994

MESERVE, MUMPER & HUGHES
THOMAS J. BOIS, II

By: _____
Thomas J. Bois, II
Attorneys for Defendant WRIGHT COMPANIES, d/b/a WILLBARB PETROLEUM CARRIERS, INC.

DATED: December __, 1994

SHELL OIL COMPANY
DAVID J. EARLE

By: _____
David J. Earle
Attorneys for Defendant SHELL OIL COMPANY

DATED: December __, 1994

ROPER & FOLINO
DOMINIC FOLINO

By: _____
Domenic Folino
Attorneys for Defendant TRANS-TECH RESOURCES, INC.

DATED: ~~December~~ February 9, 199~~4~~5

RODARTI & SHASTEEN
RICHARD G. FELD

By: Richard G. Feld
Richard G. Feld
Attorneys for Defendant P/A EL TORO INVESTORS #1

ORDER

IT IS SO ORDERED.

Dated: ~~December __, 1994~~ 3/21/95

GARY L. TAYLOR

Honorable Gary L. Taylor,
United States District Judge

SETTLEMENT AGREEMENT AND RELEASE

This Settlement Agreement and Release ("Agreement") is entered into as of this ____ day of December, 1994 (the "Effective Date"), by, between and among Shopping Center Associates, a New York general partnership ("SCA"), Transcontinental Insurance Co., ("Transcon"), Resolution Trust Corporation, as receiver for HomeFed Bank ("RTC/HomeFed"), 405 Hotel Associates, a California limited partnership ("405"), Rossmoor Corporation, a dissolved California corporation ("Rossmoor"), LHC Associates, a dissolved California general partnership ("LHC"), Nicholas J. Covelli, an individual and a former partner of LHC ("Covelli"), Rossmoor Partners, L.P., a California limited partnership ("RPLP") (LHC, RPLP, Covelli and Rossmoor are referred to collectively as the "Rossmoor Defendants"), Emerald Oil, Inc., a California corporation ("Emerald"), Jack Smith, an individual (Jack Smith and Emerald are collectively referred to as the "Emerald Defendants"), Wright Oil Company, Willbarb Petroleum Carriers, Inc., d/b/a Wright Petroleum Carriers, d/b/a Wright Companies, a California corporation ("Wright Petroleum"), William Wright, an individual, Barbara Wright, an individual (Wright Oil Company, Wright Petroleum, William Wright and Barbara Wright are collectively referred to as the "Willbarb Defendants"), Shell Oil Company, a Delaware corporation ("Shell"), Aladdin Doroudi, an individual ("Doroudi"), Trans-Tech Resources, Inc., a dissolved California corporation ("Trans-Tech"), Atlantic Richfield Company, ("ARCO")

and P/A El Toro Investors #1, a California limited partnership ("P/A El Toro") (although some of the aforementioned entities and/or individuals are not defendants in the Action (as defined below), the Rossmoor Defendants, RTC/HomeFed, 405, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, Shell, Doroudi, ARCO, and P/A El Toro are hereinafter sometimes collectively referred to as the "Defendants") with reference to the matters described below.

RECITALS:

A. Pursuant to Cleanup and Abatement Order 88-109 (the "C&A Order"), some of the Rossmoor Defendants, among others, have been ordered by the California Regional Water Quality Control Board, Santa Ana Region ("RWQCB") to remediate the petroleum hydrocarbon discharges at or beneath real property commonly known as the Laguna Hills Mall (the "Mall Property") and at or beneath areas surrounding the Mall Property (the Mall Property includes but is not limited to 24155 Laguna Hills Mall, 24196 Laguna Hills Mall, 24100 Laguna Hills Mall and 24001 Avenue de la Carlota, all in Laguna Hills, California 92653).

B. On or about August 28, 1990, SCA filed a Complaint for nuisance, trespass and negligence, among other causes of action ("Original Complaint"), as more fully set forth in the Original Complaint in the Orange County Superior Court case

05

entitled Shopping Center Associates v. HomeFed Bank, et al., Case No. 634507 (the "Action").

C. In the Action, SCA sought to recover damages arising from the alleged contamination of the Mall Property by allegedly hazardous substances and other contaminants, including petroleum hydrocarbons, which substances and contaminants have allegedly migrated from sources upgradient and/or cross-gradient from the Mall Property onto the Mall Property and into the soil and ground water thereunder.

D. Those Defendants named in the Action answered the Original Complaint and, among other things, denied any responsibility for the facts pleaded in the Complaint.

E. In the Action, some of the Defendants filed and served cross-complaints (in state court), cross-claims, counter-claims and/or third party complaints (collectively, the "Counter-Claims") against, among others, SCA and some or all of the other Defendants, among others, alleging causes of action for indemnity and contribution, among other causes of action.

F. SCA and the Defendants named in the Counter-Claims each answered the Counter-Claims and denied any responsibility for the facts alleged in the Counter-Claims. (The term Action includes the Action and the Counter-Claims.)

G. On or about October 1, 1992, RTC/HomeFed exercised its rights under the Financial Institutions Reform, Recovery and

Enforcement Act of 1989 ("FIRREA") and removed the Action to the United States District Court, Central District of California (the "Court"), Case No. SACV 92-639 GLT. Thereafter, SCA sought and was granted leave to file a Third Amended Complaint ("Complaint") to, among other things, allege a cause of action under the Resource Conservation and Recovery Act ("RCRA") against several of the Defendants.

H. The parties recognize that the judicial resolution of such claims and disputes will be costly and time consuming and desire to settle their claims and disputes, in accordance with the terms and conditions set forth hereinbelow, and now would finally and fully compromise and settle the same.

I. The parties recognize that this Agreement is contingent upon a settlement and good faith determination by the court with respect to the related action in the Orange County Superior Court, Case No. 682139, entitled The Rossmoor Corporation, et al. v. Fireman's Fund Ins. Co., et al. (the "Coverage Action") and Transcon's receipt of at least $1,406,000.00 to be disbursed to Transcon pursuant to the agreement memorializing the settlement of the Coverage Action (the "Coverage Action Agreement"). The parties further recognize that this Agreement is also contingent upon a good faith determination by the Court in the Action (as set forth below) and the approval of the Settlement Agreement by the Bankruptcy

Trustee and the United States Bankruptcy Court, Case No. BK-S-89-3914-LBR, respecting the case entitled In Re Wright Companies.

J. The parties desire and intend by this Agreement, among other things, to settle fully and finally certain existing and potential claims, to provide for mutual releases, and to provide for the terms of the settlement.

AGREEMENT

NOW, THEREFORE, pursuant to the mutual desire set forth hereinabove and in consideration of mutual covenants, conditions, waivers and releases set forth hereinbelow, and without any admission of any kind, the parties hereto agree as follows:

1. Payment to SCA. Within five business days of the last to occur of 1) Transcon's notice of the entry of an Order finding this Agreement and the settlement of the Action to be in good faith (as set forth in further detail below); 2) Transcon's notice of the entry of an order finding the settlement of the Coverage Action to be in good faith; and 3) Transcon's receipt of $2,726,000 to be disbursed to Transcon pursuant to the Coverage Action Agreement, then: a) the sum of $265,000, in the form of an immediately negotiable instrument, shall be paid to SCA by Transcon; b) the sum of $20,000 in the form of an immediately negotiable instrument, shall be paid to SCA by 405; c) the sum of $60,000 in the form of an immediately negotiable instrument, shall be paid to SCA by Shell; d) the sum of $10,000 in the form

of an immediately negotiable instrument, shall be paid to SCA by ARCO; and 5) the sum of $36,000, in the form of an immediately negotiable instrument issued through its counsel's trust account, shall be paid to SCA by RTC/HomeFed.

2. Stipulation for Dismissal of Action. Within five business days of the last to occur of 1) SCA's notice of the entry of an Order finding this Agreement and the settlement of the Action to be in good faith (as set forth in further detail below); and 2) SCA's notice of the entry of an order finding the settlement of the Coverage Action to be in good faith; and 3) Transcon's receipt of $2,726,000 to be disbursed to Transcon pursuant to the Coverage Action Agreement, then SCA shall execute and deliver to the Defendants an executed Stipulation for Dismissal (in the form attached hereto as Exhibit "A") ("Stipulation") which provides for all of the following:

(a) A dismissal of the Action by SCA, with prejudice, as to RTC/HomeFed, 405, Trans-Tech, Wright Petroleum, Emerald, Shell, Doroudi, and P/A El Toro, and without prejudice as to the Rossmoor Defendants;

(b) A dismissal of the Cross-Claims with prejudice, as to SCA and all of those Defendants named in the Cross-Claims.

The Defendants and SCA agree to execute the Stipulation. SCA agrees to cause said Stipulation to be filed

promptly with the Court and to promptly provide the Defendants with a Court-stamped conformed copy of the filed Stipulation.

3. Dismissal Without Prejudice of the Rossmoor Defendants and Tolling Agreement. The Rossmoor Defendants acknowledge and agree that SCA is dismissing the Rossmoor Defendants without prejudice to SCA's right to re-file the Action against the Rossmoor Defendants in the event of a breach, by the Rossmoor Defendants, of the Settlement Agreement, and/or a breach by Transcon of its promise to complete the remediation of the Mall Property (including the "Sites" as defined below), all as set forth in further detail below. The Rossmoor Defendants further agree to toll all time limits (established by all applicable statutes of limitation and/or the application of the doctrine of laches) by entering into an Agreement Regarding Tolling of Statutes of Limitation and Other Time Limits ("Tolling Agreement") in the form attached hereto as Exhibit "B".

4. The Cleanup Fund. Within five business days of the last to occur of 1) Transcon's notice of the entry of an Order finding this Agreement and the settlement of the Action to be in good faith (as set forth in further detail below); and 2) Transcon's notice of the entry of an order finding the settlement of the Coverage Action to be in good faith, then Transcon agrees to provide SCA with a statement evidencing the existence of an account holding the sum of no less than $1,120,00.00 (the "Cleanup Fund"). Transcon agrees to apply the

Cleanup Fund toward the costs of cleaning up the following properties (all of which are sometimes hereinafter collectively referred to as the "Sites"): 1) 23941 Avenida de la Carlota, Laguna Hills, California; 2) 23971 El Toro Road, Laguna Hills, California; 3) Eastern corner of intersection of El Toro Road and Avenida de la Carlota, Laguna Hills, California; 4) Mall Property; 5) 23991 El Toro Road, Laguna Hills, California. Transcon's obligations with respect to remediation of the Mall Property shall include compliance with the C&A Order. Any obligation for remediation of new and/or unrelated hazardous waste or contamination is not governed by this Agreement. Transcon further agrees to apply the Cleanup Fund so as to complete the remediation of the Mall Property, which completion will be evidenced solely by the issuance, pursuant to Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e), of a "no further action is required" letter from the RWQCB in a form substantially similar to the form letter attached as Exhibit "1" to the Tolling Agreement, stating that no further action or remediation is necessary respecting the Sites (the "Closure Letter").

5. Transcon's Promise To Complete the Mall Property Cleanup. Transcon agrees that the promise to complete the remediation of the Mall Property, as set forth in further detail hereinbelow, is of the utmost importance and a material consideration and inducement to SCA's execution of this Agreement. Thus, Transcon agrees as follows:

(a) Transcon agrees that, in the event the Cleanup Fund is insufficient to complete the remediation of the Mall Property and any other portion of the Sites, Transcon will undertake, at its own expense, to make all necessary payments to complete the remediation of the Mall Property and any other portion of the Sites, which completion will be evidenced solely by the RWQCB's issuance of the Closure Letter. Unless and until the Closure Letter is issued, Transcon agrees that it will diligently continue to make all necessary payments to complete the remediation of the Mall Property and any other portion of the Sites. Transcon's obligations to make all necessary payments to complete the remediation of the Mall Property and any other portion of the Sites shall be limited only by the applicable policy limits of $50,000,000.00 as described in Section 10(d) below.

(b) Transcon acknowledges that SCA hereby reserves all of its rights to be completely informed of all aspects of the remediation process, including the right to participate (at SCA's own expense) in the testing and/or sampling of monitoring, injection and/or other wells on the Mall Property and/or in the areas within 50 feet of the Mall Property, including but not limited to obtaining portions of any samples obtained, so that SCA may independently verify the results of any testing. Transcon further acknowledges SCA's right to participate in and, to the extent SCA, in its sole discretion, determines is necessary, object in good faith to any application

to the RWQCB for a Closure Letter. Accordingly, in the event Transcon 1) intends to conduct testing and/or sampling on the Mall Property and/or in the areas within 50 feet of the Mall Property; and/or 2) intends to apply to RWQCB for a Closure Letter, then Transcon agrees to provide written notice of such intent, at least 20 days in advance, sent to SCA and its counsel, either by personal delivery, by facsimile transmission or by certified mail, return receipt requested, addressed as follows:

Shopping Center Associates
c/o The O'Connor Group
399 Park Avenue, 25th Floor
New York, New York 10022

With a copy to:

Anthony J. Oliva, Esq.
Allen, Matkins, Leck, Gamble & Mallory
515 South Figueroa Street, Eighth Floor
Los Angeles, California 90071

(c) Transcon acknowledges that, concurrently with the execution of this Agreement, SCA and the Rossmoor Defendants shall be entering into the Tolling Agreement by which SCA and the Rossmoor Defendants have agreed to toll the applicable time periods referenced therein until the earlier of: 1) the issuance of the Closure Letter (which will also trigger SCA's obligation to execute and deliver a Stipulation for Dismissal with prejudice of the Rossmoor Defendants and a mutual release of claims as set forth in Sections 6 and 8 of this Agreement); or 2) Transcon's breach of the Agreement as discussed in subparagraph (d) below.

(d) Transcon agrees that in the event 1) RWQCB has provided notice to Transcon and/or the Rossmoor Defendants

that it has determined that one or more of the parties named to the C&A Order are not in compliance with the C&A Order; or 2) Transcon ceases to fund the cleanup of the Mall Property or any other portion of the Sites, then Transcon will be in breach of this Agreement and SCA shall be entitled to seek full relief, both legal and equitable (including but not limited to a mandatory injunction compelling Transcon to fund and complete the remediation of the Mall Property and/or the Sites until the issuance of a Closure Letter) against Transcon for a breach of this Agreement. Further, Transcon hereby expressly submits to the Court's jurisdiction and agrees that by entering into this Agreement, as well as by entering into the Stipulation for Dismissal, it is voluntarily appearing in the Action and, thus, consenting to the Court's jurisdiction.

(e) SCA agrees to provide written notice of Transcon's breach to Transcon, the Rossmoor Defendants and their respective counsel, either by personal delivery, by facsimile transmission or by certified mail, return receipt requested, addressed as follows:

Transcontinental Insurance Co.
333 S. Wabash Avenue
CNA Plaza/37 S
Chicago, Illinois 60685
Attn: Robert Kanonik

Rossmoor Partners, L.P.
c/o Cortese Properties, Inc.
1551 N. Tustin Ave., Suite 830
Santa Ana, California 92701
Attn: President

23991 El Toro, Inc.
1551 N. Tustin Ave., Suite 830
Santa Ana, California 92701
Attn: President

With a copy to: Randall A. Miller, Esq.
Long & Levit
633 West Fifth Street, Suite 5900
Los Angeles, California 90071

Steven R. Ruth, Esq.
Lewis, D'Amato, Brisbois & Bisgaard
221 N. Figueroa St., Suite 1200
Los Angeles, California 90012

Mark L. Musto, Esq.
Goldstein & Phillips
One Embarcadero Center, 8th Floor
San Francisco, California 94111

Duke F. Wahlquist, Esq.
Rutan & Tucker
611 Anton Blvd., Suite 1400
Costa Mesa, California 92628

SCA agrees to provide twenty (20) days notice of Transcon's breach, during which time Transcon and/or the Rossmoor Defendants may cure said breach by resuming the remediation of the Mall Property and, to the extent applicable, any other portion of the Sites. In the event Transcon and/or the Rossmoor Defendants fail to cure said breach within 20 days, SCA shall be entitled to seek relief from the Court, against Transcon, for a breach of this Agreement and/or refile the Action against the Rossmoor Defendants.

(f) The parties agree that nothing in this Agreement shall change or alter any of Transcon's rights or obligations under its policies of insurance issued to its

insureds, except as otherwise agreed in this Agreement or in the Coverage Action Agreement.

6. Dismissal with Prejudice of the Rossmoor Defendants Upon Completion of the Remediation of the Sites. Within twenty (20) days after SCA's receipt of notice of the completion of the remediation of the Sites, which completion shall be evidenced solely by the RWQCB's issuance of a Closure Letter, SCA shall execute and deliver to the Rossmoor Defendants an executed Stipulation for Dismissal which provides for the dismissal of the Action with prejudice as to the Rossmoor Defendants.

7. Good Faith Settlement. This Agreement is expressly conditioned on court-ordered approval of this Agreement as being in "good faith" within the meaning of California Code of Civil Procedure Section 877.6 as the result of a motion or application. In connection with such motion or application, this Agreement or the contents thereof may be disclosed to the court or agency, but filed under seal. The parties shall not oppose such motion or application, and on the request of any party to this Agreement, each party may be asked to execute and file a declaration acknowledging that this Agreement was entered into in good faith along with such other papers reasonably required to support such motion or application. The Rossmoor Defendants agree to prepare such motion or application and signatory declaration(s) and the expense for the preparation of these

papers shall be borne by the Rossmoor Defendants' insurers. This motion or application will be filed with the Court within three (3) business days after the full and complete execution of this Agreement by all parties.

8. Release of Claims.

(a) Release by SCA. SCA, on behalf of itself and each of its respective present and future affiliates, subsidiaries, officers, directors, managing directors, shareholders, partners, principals, joint venturers, co-owners, successors, assigns, attorneys, agents, alter egos, heirs, executors, employees, and representatives, if any, and each of them (the "SCA-Related Entities"), hereby releases and forever discharges RTC/HomeFed, 405, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, Shell, Doroudi, ARCO and P/A El Toro and each of their respective present and future affiliates, subsidiaries, officers, directors, managing directors, shareholders, partners, principals, joint venturers, co-owners, successors, assigns, attorneys, agents, alter egos, heirs, executors, employees, trustees and representatives, if any, and each of them (the "Related Entities"), from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on, or related in any way to the Action which, as of the

Effective Date, SCA and/or its Related Entities had, and/or which they now have against RTC/HomeFed, 405, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, Shell, ARCO and P/A El Toro, and/or their Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement. Notwithstanding the above descriptions, the release granted herein by SCA and the SCA-Related Entities shall not include a release of the Rossmoor Defendants or any of their parents, subsidiaries, affiliates, officers, directors, shareholders, predecessors, employees, agents, insurers or other Related Entities (other than Trans-Tech's officers, directors and/or shareholders who are released only in their capacities as officers, directors and/or shareholders of Trans-Tech).

(b) Release by Trans-Tech. Trans-Tech, on behalf of itself and each of its Related Entities, hereby releases and forever discharges SCA, 405, the Emerald Defendants, the Willbarb Defendants, Shell, Doroudi, ARCO, P/A El Toro and the Rossmoor Defendants, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, Trans-Tech and/or its Related Entities had, and/or which they now have against SCA, 405, the Emerald Defendants, the

Willbarb Defendants, Shell, Doroudi, ARCO, P/A El Toro and the Rossmoor Defendants, and each of their Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement.

Notwithstanding the above descriptions, the releases granted by Trans-Tech of SCA and 405 shall not include a release by Trans-Tech's officers, directors and/or shareholders in any capacity other than as officers, directors and/or shareholders of Trans-Tech.

(c) Release by the Emerald Defendants. The Emerald Defendants, on behalf of themselves and each of their Related Entities, hereby release and forever discharge SCA, 405, Trans-Tech, the Willbarb Defendants, Shell, Doroudi, ARCO, P/A El Toro and the Rossmoor Defendants, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, the Emerald Defendants and/or their Related Entities had, and/or which they now have against SCA, 405, Trans-Tech, the Willbarb Defendants, Shell, Doroudi, ARCO, P/A El Toro and the Rossmoor Defendants, and each of their Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement.

(d) Release by Willbarb. The Willbarb Defendants, on behalf of themselves and each of their Related Entities, hereby release and forever discharge SCA, 405, Trans-Tech, the Emerald Defendants, Shell, Doroudi, ARCO, P/A El Toro and the Rossmoor Defendants, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, the Willbarb Defendants and/or their Related Entities had, and/or which they now have against SCA, 405, Trans-Tech, the Emerald Defendants, Shell, Doroudi, ARCO, P/A El Toro and the Rossmoor Defendants, and each of their Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement.

(e) Release by Shell. Shell, on behalf of itself and each of its Related Entities, hereby releases and forever discharges SCA, 405, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, ARCO and the Rossmoor Defendants, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based

on or related to the Action which, as of the Effective Date, Shell and/or its Related Entities had, and/or which they now have against SCA, 405, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, ARCO and the Rossmoor Defendants, and each of their Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement.

(f) Release by Doroudi. Doroudi, on behalf of himself and each of his Related Entities, hereby releases and forever discharges SCA, 405, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, ARCO and the Rossmoor Defendants, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, Doroudi and/or his Related Entities had, and/or which they now have against SCA, 405, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, ARCO and the Rossmoor Defendants, and each of their Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement.

(g) Release by ARCO. ARCO, on behalf of itself and each of its Related Entities, hereby releases and forever discharges SCA, 405, Trans-Tech, the Emerald Defendants, Willbarb, Shell, Doroudi, P/A El Toro and the Rossmoor

Defendants, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, ARCO and/or its Related Entities had, and/or which they now have, against SCA, 405, Trans-Tech, the Emerald Defendants, Willbarb, Shell, Doroudi, P/A El Toro and the Rossmoor Defendants, and each of their Related Entities, excepting therefrom, as to P/A El Toro and its Related Entities only, any and all claims arising out of Arco's occupation and/or use of the property commonly known as 24102 Avenida de la Carlota, Laguna Hills, California, and further except as otherwise provided in, or with respect to rights created by, this Agreement.

(h) Release by P/A El Toro. P/A El Toro, on behalf of itself and each of its Related Entities, hereby releases and forever discharges SCA, 405, Trans-Tech, the Emerald Defendants, Willbarb, ARCO and the Rossmoor Defendants, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, P/A

El Toro and/or its Related Entities had, and/or which they now have against SCA, 405, Trans-Tech, the Emerald Defendants, Willbarb, ARCO and the Rossmoor Defendants, and each of their Related Entities, excepting therefrom, as to ARCO and its Related Entities only, any and all claims arising out of Arco's occupation and/or use of the property commonly known as 24102 Avenida de la Carlota, Laguna Hills, California, and further except as otherwise provided in, or with respect to rights created by, this Agreement.

(i) Release by RTC/HomeFed. RTC/HomeFed, on behalf of itself and each of its Related Entities, hereby releases and forever discharges SCA and each of its Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, RTC/HomeFed and/or its Related Entities had, and/or which they now have against SCA and each of its Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement.

As a specific limitation of the above release by RTC/HomeFed, the release shall not constitute: (i) a release of any criminal liability under State or Federal law, including without limitation, Titles 12 and 18 of the United States Code

and provisions of the Financial Institutions Reform, Recovery and Enforcement Act of 1989 ("FIRREA"), or (ii) a release of any other claims of the RTC/HomeFed under other promissory notes or other agreements from this or any other institution.

(j) Release by 405. 405, on behalf of itself and each of its Related Entities, hereby releases and forever discharges SCA, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, Shell, Doroudi, ARCO and P/A El Toro, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, 405 and/or its Related Entities had, and/or which they now have against SCA, Trans-Tech, the Emerald Defendants, the Willbarb Defendants, Shell, Doroudi, ARCO and P/A El Toro, and each of their Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement.

Notwithstanding the above descriptions, the releases granted to Trans-Tech by 405 shall not include a release of Trans-Tech's officers, directors and/or shareholders in any capacity other than as officers, directors and/or shareholders of Trans-Tech.

(k) Release by the Rossmoor Defendants. The Rossmoor Defendants, on behalf of themselves and each of their Related Entities, hereby release and forever discharge Trans-Tech, the Emerald Defendants, the Willbarb Defendants, Shell, Doroudi, ARCO and P/A El Toro, and each of their Related Entities, from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, based on or related to the Action which, as of the Effective Date, the Rossmoor Defendants and/or their Related Entities had, and/or which they now have against Trans-Tech, the Emerald Defendants, the Willbarb Defendants, Shell, Doroudi, ARCO and P/A El Toro, and each of their Related Entities, except as otherwise provided in, or with respect to rights created by, this Agreement.

(l) The parties hereto acknowledge and agree that the Released Claims do not include those claims alleged by RTC/HomeFed or 405 against Wright Petroleum, Rossmoor; LHC, William V. March as Personal Representative of Estate of Ross W. Cortese; Hedwig A. Marxen; Nicholas J. Covelli; Colleen C. Covelli, William V. March; Alona M. Cortese and William V. March as Trustees under the Declaration of Trust for the Ross and Alona Cortese Family, dated April 12, 1982, William V. March and Nancy J. March, as Trustees under the Declaration of Trust for the

William and Nancy March Family, May 28, 1982; Trans-Tech; and Emerald, (collectively, the "HomeFed Defendants") in the Orange County Superior Court case entitled HomeFed Bank v. Willbarb Petroleum Carriers, Inc., et al., Case No. 493716 (the "HomeFed Action"). The parties hereto further acknowledge and agree that the Released Claims do not include those claims, if any, alleged by the HomeFed Defendants against RTC/HomeFed or 405 in the HomeFed Action. Nothing contained in this Agreement shall, nor shall it be construed to, release the parties in the HomeFed Action from, or waive, any claims against any of the parties in the HomeFed Action which have survived the trial in the HomeFed Action and/or which have been appealed by the parties in the HomeFed Action. Further, the parties hereto acknowledge and agree that the Released Claims do not include claims, if any, by SCA and/or its Related Entities against the Rossmoor Defendants and/or their Related Entities (other than Trans-Tech's officers, directors and/or shareholders who are released only in their capacities as officers, directors and shareholders of Trans-Tech). Nothing contained in this Agreement shall, nor shall it be construed to, release the Rossmoor Defendants and/or their Related Entities (other than Trans-Tech's officers, directors and/or shareholders who are released only in their capacities as officers, directors and shareholders of Trans-Tech) from, or waive, any claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever (whether

asserted, unasserted, known, unknown, contingent, accrued, inchoate or otherwise) arising out of, concerning or relating to the Action.

(m) Within twenty (20) days after the completion of the remediation of the Sites, which completion shall be evidenced solely by the RWQCB's issuance of a Closure Letter, SCA and the Rossmoor Defendants shall execute and deliver to the other a "Mutual Release of Claims" prepared by the Rossmoor Defendants and identical to the releases being given to some or all of the Defendants as set forth in subsections (a) and (k) of this paragraph 8.

9. California Civil Code Section 1542. The parties, upon advice of their counsel, hereby expressly waive, with regard to the Released Claims, including but not limited to those Released Claims relating to the Action, all rights which they may have or hereafter claim to have, under the provisions of California Civil Code Section 1542 (and the equivalent law of any other jurisdiction) which provides:

> A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS WHICH THE CREDITOR DOES NOT KNOW OR SUSPECT TO EXIST IN HIS FAVOR AT THE TIME OF EXECUTING THE RELEASE, WHICH IF KNOWN BY HIM MUST HAVE MATERIALLY AFFECTED HIS SETTLEMENT WITH THE DEBTOR.

10. Representations and Warranties. With the exception of Rossmoor, LHC and Trans-Tech, the parties hereto each warrant and represent to the other that they (i) are the sole and lawful owners of all rights, title and interest in and to the Released Claims as to which they are giving releases; (ii) have not assigned, transferred or conveyed or purported to assign, transfer or convey, to anyone any claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature concerning the subject of the Released Claims; and (iii) other than the HomeFed Action and the Coverage Action, are unaware of any other pending legal actions or proceedings by any party to this Agreement against any other party to this Agreement other than released herein.

(a) RPLP represents and warrants that: (i) Rossmoor Corporation was until approximately June 15, 1982, a validly existing California corporation in good standing; (ii) on or about June 15, 1982, a Certificate for Dissolution for Rossmoor Corporation was filed with the California Secretary of State and that prior to or contemporaneous with the dissolution of Rossmoor Corporation, Rossmoor Corporation assigned all of its assets to Rossmoor Liquidating Trust and Rossmoor Liquidating Trust assumed all of the liabilities of Rossmoor Corporation; (iii) in or about January 1990, Rossmoor Liquidating Trust was dissolved and shortly before or contemporaneous with its

dissolution, it assigned all of its assets to RPLP which also assumed the liabilities of Rossmoor Liquidating Trust.

(b) 23991 El Toro, Inc. represents and warrants that by General Partnership Interest Transfer agreement dated February 27, 1991, it acquired the rights, liabilities and interests of all the partners in LHC, thereby causing dissolution of LHC Associates pursuant to California Corporation Code § § 15006(1), 15031(3).

(c) With regard to Trans-Tech:

(1) William V. March represents that: (i) Prior to November 16, 1982, Trans-Tech was a valid corporation pursuant to the laws of, and in good standing with, the State of California; (ii) On or about December 21, 1981, by the unanimous consent of the shareholders of Trans-Tech, a Plan of Complete Liquidation was adopted; (iii) On or about November 8, 1982, the Trans-Tech Liquidating Trust was created by an agreement of even date between Trans-Tech, acting on behalf of its shareholders, and Ross W. Cortese and William V. March, as Trustees; (iv) William V. March is the personal representative of Ross W. Cortese, deceased; and (v) On or about November 16, 1982, Trans-Tech filed its articles of dissolution with the California Secretary of State and immediately prior to that date, the following individuals served as the corporate officers of Trans-Tech: Ross W. Cortese, Nicholas J. Covelli, and William V. March.

(2) William V. March represents on information and belief that he has authority to execute this Agreement on behalf of Trans-Tech, pursuant to California Corporations Code Section 2001, by virtue of his status as an officer of Trans-Tech at the time of its dissolution, and as the sole-remaining Trustee of the Trans-Tech Liquidating Trust.

(d) Transcon represents and warrants that it provided excess liability coverage to some or all of the Rossmoor Defendants, pursuant to Policy Nos. UMB-1672625 and UMB-1672626 (the "Policies"), both of which Policies provided coverage for the Policy period dating from August 21, 1983 to August 21, 1984. Transcon further represents and warrants that the Policies contain policy limits of coverage totaling $50,000,000.00., no more than $600,000 of which, to date, has been paid out, eroded, exhausted or reduced in any manner from the $50,000,000.00 of coverage under the Policies. Transcon and the Rossmoor Defendants represent and warrant that other than the HomeFed Action and the Coverage Action, they are unaware of any other pending or contemplated legal actions or proceedings for which coverage might be owed under the Policies.

(e) Each party hereby agrees that it will not challenge the effectiveness, scope or legality of the execution of this Agreement by Rossmoor Corporation, LHC Associates and/or Trans-Tech.

(f) Transcon represents and warrants that it will give priority to funding the remediation of the Sites up to the sum of $1,500,000.00 of the coverage under the Policies over, above and before other claims, including but not limited to the HomeFed Action and the Coverage Action, in a manner so that funds are disbursed from the Policies to ensure completion of the remediation of the Sites. Transcon agrees to apply the sum of $1,500,000.00 so that the priority given to the remediation of the Sites over, above and before all other claims, including but not limited to the HomeFed Action and the Coverage Action results in the application of the $1,500,000.00 exclusively towards funding the remediation of the Sites. Transcon further agrees that its agreement to give priority to the remediation of the Sites as set forth herein serves only as a guarantee of the availability of funds in the event the Policies are otherwise exhausted, and that Transcon's agreement to give priority to the remediation of the Sites as set forth herein does not otherwise limit Transcon's obligation to fund the cleanup until the Sites are completely remediated, which completion will be evidenced solely by the RWQCB's issuance of a Closure Letter. As a result, to the extent no claims are paid under the Policies (including any claims paid pursuant to the HomeFed Action and the Coverage Action), then Transcon's obligation to fund the remediation shall be limited only by the applicable limits of the Policies in excess of Transcon's agreement to prioritize $1,500,000 towards funding the remediation of the Sites as set forth herein..

(g) The Rossmoor Defendants represent and warrant that they consent to Transcon's prioritization of the manner in which Transcon depletes the Policies as set forth in subsection 10(f) above.

(h) By executing this Agreement, RTC/HomeFed does not adopt, endorse, agree to be bound by or in any way consider to be binding the language contained in paragraphs 10(f) and 10(g). Notwithstanding the language contained in paragraphs 10(f) and 10(g), RTC/HomeFed reserves all rights, if any, to immediately collect and enforce payment of any Judgment in its favor in the HomeFed Action.

11. Indemnification and Hold Harmless. Each party hereby agrees to indemnify, defend, and hold harmless the other parties, and the other parties' Related Entities from any and all claims, demands, debts, obligations, lawsuits, causes of action, costs, expenses, attorneys' fees, liabilities and indemnities of any nature whatsoever, arising out of, concerning or relating to any breach by such indemnitor, including but not limited to any breach of any representation and warranty contained in this Agreement.

12. 405's Litigation Files. At any point from the Effective Date until October 1, 1997, 405 agrees to make available to SCA all files and documents related to the HomeFed Action (attorney-client privileged documents and attorney work

product documents excepted) including but not limited to deposition transcripts, pleading files, trial exhibit books, and all documents produced in the Action.

13. Confidentiality.

(a) The parties agree not to disclose the terms of this settlement to any non-parties to this Agreement unless such disclosure is 1) ordered by a court of competent jurisdiction; or, 2) necessary to trigger coverage obligations of another insurer, or 3) reasonably necessary for the conduct of the parties' business, including disclosure as required to auditors, state and federal taxing authorities, lenders or reinsurers.

(b) The party or parties from whom disclosure is sought shall promptly notify the other parties hereto and, at the request of any other party, shall reasonably cooperate in opposing any motion to compel disclosure or any application for a protective order by any party or parties objecting to disclosure. However, the party or parties requesting resistance to disclosure or applying for a protective order shall bear all attorneys' fees and cost associated therewith, including attorneys' fees or costs reasonably incurred by the party or parties from whom disclosure of this Agreement was originally sought if such a request is made by the requesting Party or Parties.

14. The Court Retains Jurisdiction to Enforce Agreement. The parties, on behalf of themselves and their Related Entities, agree that the Court will retain jurisdiction over the parties, including but not limited to Transcon, to enforce this Agreement and any promises made herein, until performance in full of the terms of the Agreement. The parties, including but not limited to Transcon, further agree that the Court, upon motion to enforce the settlement, may enter judgment pursuant to the terms of the Agreement and/or may issue any orders to enforce the terms of the Agreement.

15. Settlement Not an Admission. This Agreement is the result of a compromise by the parties hereto, and is not and shall not be considered as an admission of the truth or validity of any of the allegations, claims or contentions of any party against any other party, each of whom continues to deny such allegations, liabilities and responsibilities. No judgment has been entered in the Action, nor shall any order entered therein be treated as a final order or judgment.

16. Effect of Bankruptcy. Should any of the parties become subject to bankruptcy protection and should any provision of this Agreement be found to be executory and/or subject to the provisions of section 365 of the Bankruptcy Code, then as to such party only, the executory portion of said provisions shall be severed from the remaining portions of this Agreement and the

assumption or rejection of said severed provisions shall not affect the continued enforceability of the remaining provisions.

17. Authority to Execute Agreement. With the exception of the person(s) signing this Agreement on behalf of Trans-Tech, LHC and Rossmoor, each person signing this Agreement warrants and represents that he or she has full authority to execute the same on whose behalf he or she so signs, and that he or she is acting within the scope of such authority, and agrees to indemnify, defend and hold harmless all persons and entities mentioned in this Agreement from any claims that such authority did not exist.

18. Advice of Counsel. Each party hereto has received the advice of legal counsel prior to signing the Agreement, and signs the Agreement voluntarily and with full knowledge of the consequences thereof.

19. Further Assurances. The parties hereby agree that they shall execute and deliver any and all further documents and instruments and shall do all acts as either or both may reasonably request, which may be necessary or appropriate to fully implement the provisions of this Agreement.

20. Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of each of the parties and their Related Entities, and each of them, and each of their successors and assigns. Nothing in this Agreement, express or

implied, is intended to confer upon any person other than the parties and their Related Entities, and each of them, and their respective successors and assigns, any rights or benefits under or by reason of this Agreement.

21. Waiver, Modification and Amendment. No provision herein may be waived unless in writing and signed by the party or parties whose rights are thereby waived. Waiver of any one provision herein shall not be deemed to be a waiver of any other provision herein. This Agreement may be modified or amended only by written agreement executed by all the parties hereto.

22. Attorneys' Fees. The non-prevailing party in any proceeding to enforce or construe any of the provisions or rights under or pursuant to this Agreement, shall be fully responsible for and shall pay the prevailing party's reasonable attorneys fees, costs, and expenses.

23. Governing Law. This Agreement is made and entered into in the State of California and shall in all respects be interpreted and enforced and governed by and under the laws of the State of California.

24. Construction. Each party and counsel for each party has participated in the drafting of this Agreement and, accordingly, the normal rule of construction, to the effect that any ambiguities are to be resolved against the drafting party, shall not be employed in the interpretation of this Agreement.

In the event that one or more of the provisions or portions thereof to this Agreement is determined to be illegal or unenforceable, the remainder of this Agreement shall not be affected thereby and each remaining provision or portion thereof shall remain and continue to be valid and effective and shall be enforceable to the fullest extent permitted by law.

25. Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed an original, and all of which when taken together shall constitute the Agreement.

26. Litigation Expenses. Each party hereto shall bear its own costs and attorneys' fees incurred in connection with the Action and the execution of this Agreement.

27. Effect of Agreement. This Agreement may be pleaded as a full and complete defense to, and may be used as the basis for an injunction against, any action, suit or other proceeding which may be instituted, prosecuted or attempted in breach of this Agreement, except for an action based on breach of this Agreement.

28. Title and Captions. Sections, titles and captions contained in this Agreement are inserted only as a matter of convenience and for reference and shall in no way be construed to define, limit or extend the scope of this Agreement or the intent of any of its provisions.

SHOPPING CENTER ASSOCIATES, a New York general partnership

By: O'Connor Retail Partners, L.P., a Delaware limited partnership, Managing General Partner

By: J.W. O'Connor & Co., Incorporated, General Partner

By: _____

Its: _____

TRANSCONTINENTAL INSURANCE CO., a _____ corporation

By: _____

Its: _____

ROSSMOOR CORPORATION, a dissolved California corporation

By: _____

Its: _____

LHC ASSOCIATES, a dissolved California general partnership

By: 23991 El Toro, Inc.

Its: Last Remaining Partner (pursuant to California Corporations Code § 15035(1)(o))

By: _____

David A. Lundin

Its: Chief Financial Officer

[signatures continue]

SHOPPING CENTER ASSOCIATES, a New York general partnership

By: O'Connor Retail Partners, L.P., a Delaware limited partnership, Managing General Partner

By: J.W. O'Connor & Co., Incorporated, General Partner

By: _____
Its: _____

TRANSCONTINENTAL INSURANCE CO., a _____ corporation

By: Robert Kanonik
Its: Senior Claims Analyst

ROSSMOOR CORPORATION, a dissolved California corporation

By: _____
Its: _____

LHC ASSOCIATES, a dissolved California general partnership

By: 23991 El Toro, Inc.
Its: Last Remaining Partner (pursuant to California Corporations Code § 15035(1)(o))

By: _____
David A. Lundin
Its: Chief Financial Officer

[signatures continue]

SHOPPING CENTER ASSOCIATES, a New York general partnership

By: O'Connor Retail Partners, L.P., a Delaware limited partnership, Managing General Partner

By: J.W. O'Connor & Co., Incorporated, General Partner

By: _____
Its: _____

TRANSCONTINENTAL INSURANCE CO., a _____ corporation

By: _____
Its: _____

ROSSMOOR CORPORATION, a dissolved California corporation

By: William V March
Its: FORMER SECRETARY,
PURSUANT TO CAL. CORP. CODE SEC. 2001

LHC ASSOCIATES, a dissolved California general partnership

By: 23991 El Toro, Inc.
Its: Last Remaining Partner (pursuant to California Corporations Code §15035(1)(o))

By: David A. Lundin
David A. Lundin
Its: Chief Financial Officer

[signatures continue]

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partner
By: _____
David A. Lundin
Its: Vice President
and Chief
Financial
Officer

_____
NICHOLAS J. COVELLI

RESOLUTION TRUST CORPORATION,
as receiver for HOMEFED BANK

By: _____
Its: _____

405 HOTEL ASSOCIATES, a
California limited partnership

By: _____
Its: _____

EMERALD OIL, INC., a California
corporation

By: _____
Its: _____

_____
JACK SMITH

WRIGHT OIL COMPANY, a
California corporation

By: _____
Its: _____

[signatures continue]

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partners
By: _____
David A. Lundin
Its: Vice President
and Chief
Financial
Officer

Nicholas J. Covelli

NICHOLAS J. COVELLI

RESOLUTION TRUST CORPORATION,
as receiver for HOMEFED BANK

By: _____
Its: _____

405 HOTEL ASSOCIATES, a
California limited partnership

By: _____
Its: _____

EMERALD OIL, INC., a California
corporation

By: _____
Its: _____

_____
JACK SMITH

WRIGHT OIL COMPANY, a
California corporation

By: _____
Its: _____

[signatures continue]

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partners
By: _____
David A. Lundin
Its: Vice President
and Chief
Financial
Officer

_____
NICHOLAS J. COVELLI

RESOLUTION TRUST CORPORATION,
as receiver for HOMEFED BANK

By: _____
Its: Director, Department of Settlement
and Workout

405 HOTEL ASSOCIATES, a
California limited partnership

By: _____
Its: _____

EMERALD OIL, INC., a California
corporation

By: _____
Its: _____

_____
JACK SMITH

WRIGHT OIL COMPANY, a
California corporation

By: _____
Its: _____

[signatures continue]

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partners
By: _____
David A. Lundin
Its: Vice President
and Chief
Financial
Officer

_____
NICHOLAS J. COVELLI

RESOLUTION TRUST CORPORATION,
as receiver for HOMEFED BANK

By: _____
Its: _____

405 HOTEL ASSOCIATES, a
California limited partnership

By: _____
Its: VICE PRESIDENT

EMERALD OIL, INC., a California
corporation

By: _____
Its: _____

_____
JACK SMITH

WRIGHT OIL COMPANY, a
California corporation

By: _____
Its: _____

[signatures continue]

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partners
By: _____
David A. Lundin
Its: Vice President
and Chief
Financial
Officer

_____
NICHOLAS J. COVELLI

RESOLUTION TRUST CORPORATION,
as receiver for HOMEFED BANK

By: _____
Its: _____

405 HOTEL ASSOCIATES, a
California limited partnership

By: _____
Its: _____

EMERALD OIL, INC., a California
corporation

By: JC Smith
Its: President

Jack Smith
JACK SMITH

WRIGHT OIL COMPANY, a
California corporation

By: _____
Its: _____

[signatures continue]

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partners
By: _____
David A. Lundin
Its: Vice President
and Chief
Financial
Officer

_____
NICHOLAS J. COVELLI

RESOLUTION TRUST CORPORATION,
as receiver for HOMEFED BANK

By: _____
Its: _____

405 HOTEL ASSOCIATES, a
California limited partnership

By: _____
Its: _____

EMERALD OIL, INC., a California
corporation

By: _____
Its: _____

_____
JACK SMITH

WRIGHT OIL COMPANY, a
California corporation

By: _____
Its: BANKRUPTCY TRUSTEE

[signatures continue]

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partners
By: _____
David A. Lundin
Its: Vice President
and Chief
Financial
Officer

_____
NICHOLAS J. COVELLI

RESOLUTION TRUST CORPORATION,
as receiver for HOMEFED BANK

By: _____
Its: _____

405 HOTEL ASSOCIATES, a
California limited partnership

By: _____
Its: _____

EMERALD OIL, INC., a California
corporation

By: _____
Its: _____

_____
JACK SMITH

WRIGHT OIL COMPANY, a
California corporation

By: _____
Its: _____

[signatures continue]

WRIGHT COMPANIES, d/b/a
Willbarb Petroleum Carriers,
Inc., a California corporation

By: _____
Its: BANKRUPTCY TRUSTEE

_____
WILLIAM WRIGHT

_____
BARBARA WRIGHT

SHELL OIL COMPANY, a Delaware
corporation

By: _____
Its: _____

_____
ALADDIN DOROUDI

TRANS-TECH RESOURCES, INC., a
dissolved California
corporation

By: _____
William V. March
Its: Former Secretary,
pursuant to California
Corporations Code
§ 2001

ATLANTIC RICHFIELD COMPANY, a
_____ corporation

By: _____
Its: _____

P/A EL TORO INVESTORS #1, a
California limited partnership

By: _____
Its: _____

[signatures continue]

WRIGHT COMPANIES, d/b/a
Willbarb Petroleum Carriers,
Inc., a California corporation

By: _____
Its: _____

_____
WILLIAM WRIGHT

_____
BARBARA WRIGHT

SHELL OIL COMPANY, a Delaware
corporation

By: _____
Its: _____

_____
ALADDIN DOROUDI

TRANS-TECH RESOURCES, INC., a
dissolved California
corporation

By: _____
William V. March
Its: Former Secretary,
pursuant to California
Corporations Code
§ 2001

ATLANTIC RICHFIELD COMPANY, a
_____ corporation

By: _____
Its: _____

P/A EL TORO INVESTORS #1, a
California limited partnership

By: _____
Its: _____

[signatures continue]

WRIGHT COMPANIES, d/b/a
Willbarb Petroleum Carriers,
Inc., a California corporation

By: _____
Its: _____

_____
WILLIAM WRIGHT

Barbara Boyd (f.k.a. Barbara Wright)
BARBARA WRIGHT

SHELL OIL COMPANY, a Delaware
corporation

By: _____
Its: _____

_____
ALADDIN DOROUDI

TRANS-TECH RESOURCES, INC., a
dissolved California
corporation

By: _____
William V. March
Its: Former Secretary,
pursuant to California
Corporations Code
§ 2001

ATLANTIC RICHFIELD COMPANY, a
_____ corporation

By: _____
Its: _____

P/A EL TORO INVESTORS #1, a
California limited partnership

By: _____
Its: _____

[signatures continue]

WRIGHT COMPANIES, d/b/a
Willbarb Petroleum Carriers,
Inc., a California corporation

By: _____
Its: _____

_____
WILLIAM WRIGHT

_____
BARBARA WRIGHT

SHELL OIL COMPANY, a Delaware
corporation

By: _____
Its: DISTRICT MANAGER

_____
ALADDIN DORDUDI

TRANS-TECH RESOURCES, INC., a
dissolved California
corporation

By: _____
William V. March
Its: Former Secretary,
pursuant to California
Corporations Code
§ 2001

ATLANTIC RICHFIELD COMPANY, a
_____ corporation

By: _____
Its: _____

P/A EL TORO INVESTORS #1, a
California limited partnership

By: _____
Its: _____

[signatures continue]

C4/9434202C.LA1/LAS/06139-004/12-29-94/11a

WRIGHT COMPANIES, d/b/a
Willbarb Petroleum Carriers,
Inc., a California corporation

By: _____
Its: _____

_____
WILLIAM WRIGHT

_____
BARBARA WRIGHT

SHELL OIL COMPANY, a Delaware
corporation

By: _____
Its: _____

_____
ALADDIN DOROUDI

TRANS-TECH RESOURCES, INC., a
dissolved California
corporation

By: _____
William V. March
Its: Former Secretary,
pursuant to California
Corporations Code
§ 2001

ATLANTIC RICHFIELD COMPANY, a
_____ corporation

By: _____
Its: _____

P/A EL TORO INVESTORS #1, a
California limited partnership

By: _____
Its: _____

[signatures continue]

C4/9434202C.LA1/LAS/06139-004/12-29-94/11a

WRIGHT COMPANIES, d/b/a
Willbarb Petroleum Carriers,
Inc., a California corporation

By: _____
Its: _____

_____
WILLIAM WRIGHT

_____
BARBARA WRIGHT

SHELL OIL COMPANY, a Delaware
corporation

By: _____
Its: _____

_____
ALADDIN DOROUDI

TRANS-TECH RESOURCES, INC., a
dissolved California
corporation

By: William V. March
William V. March
Its: Former Secretary,
pursuant to California
Corporations Code
§ 2001

ATLANTIC RICHFIELD COMPANY, a
_____ corporation

By: _____
Its: _____

P/A EL TORO INVESTORS #1, a
California limited partnership

[signatures continue]

By: _____
Its: _____

WRIGHT COMPANIES, d/b/a
Willbarb Petroleum Carriers,
Inc., a California corporation

By: _____
Its: _____

_____
WILLIAM WRIGHT

_____
BARBARA WRIGHT

SHELL OIL COMPANY, a Delaware
corporation

By: _____
Its: _____

_____
ALADDIN DOROUDI

TRANS-TECH RESOURCES, INC., a
dissolved California
corporation

By: _____
William V. March
Its: Former Secretary,
pursuant to California
Corporations Code
§ 2001

ATLANTIC RICHFIELD COMPANY, a
_____ corporation

By: _____ EMM
Its: _____
Manager, Environmental Projects

P/A EL TORO INVESTORS #1, a
California limited partnership

By: _____
Its: _____

[signatures continue]

C4/9434202C.LA1/LAS/06139-004/01-17-95/dl

WRIGHT COMPANIES, d/b/a
Willbarb Petroleum Carriers,
Inc., a California corporation

By: _____
Its: _____

_____
WILLIAM WRIGHT

_____
BARBARA WRIGHT

SHELL OIL COMPANY, a Delaware
corporation

By: _____
Its: _____

_____
ALADDIN DOROUDI

TRANS-TECH RESOURCES, INC., a
dissolved California
corporation

By: _____
William V. March
Its: Former Secretary,
pursuant to California
Corporations Code
§ 2001

ATLANTIC RICHFIELD COMPANY, a
_____ corporation

By: _____
Its: _____

P/A EL TORO INVESTORS #1, a
California limited partnership

[signatures continue]

By: L/ABRAMS VENTURE, a California general partner
Its: General Partner

By: _____
Michael D. Abrams

Its: General Partner

APPROVED AS TO FORM AND
CONTENT:

ALLEN, MATKINS, LECK, GAMBLE
& MALLORY

BY: _____
ANTHONY J. OLIVA
Attorneys for SHOPPING
CENTER ASSOCIATES

APPROVED AS TO FORM AND
CONTENT:

LONG & LEVIT

BY: _____
RANDALL A. MILLER
Attorneys for
TRANSCONTINENTAL INSURANCE
CO.

APPROVED AS TO FORM AND
CONTENT:

LEWIS, D'AMATO, BRISBOIS
& BISGAARD

BY: _____
STEVEN R. RUTH
Attorneys for LHC ASSOCIATES
and ROSSMOOR CORPORATION

[signatures continue]

APPROVED AS TO FORM AND
CONTENT:

ALLEN, MATKINS, LECK, GAMBLE
& MALLORY

BY: _____
ANTHONY J. OLIVA
Attorneys for SHOPPING
CENTER ASSOCIATES

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RANDALL A. MILLER
Attorneys for
TRANSCONTINENTAL INSURANCE
CO.

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STEVEN R. RUTH
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[signatures continue]

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CENTER ASSOCIATES

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RANDALL A. MILLER
Attorneys for
TRANSCONTINENTAL INSURANCE
CO.

APPROVED AS TO FORM AND
CONTENT:

LEWIS, D'AMATO, BRISBOIS
& BISGAARD

BY: Steven R Ruth
STEVEN R. RUTH
Attorneys for LHC ASSOCIATES
and ROSSMOOR CORPORATION

[signatures continue]

APPROVED AS TO FORM ~~AND CONTENT~~:

MAHER & RENZI

BY: _____
CYNTHIA R. MAHER
Attorneys for RESOLUTION TRUST CORPORATION, as receiver for HOMEFED BANK

APPROVED AS TO FORM AND CONTENT:

COX, CASTLE & NICHOLSON

BY: _____
ROBERT D. INFELISE
Attorneys for 405 HOTEL ASSOCIATES

APPROVED AS TO FORM AND CONTENT:

PETTIT & MARTIN

BY: _____
VIRGIL L. ROTH
Attorneys for EMERALD OIL, INC. and JACK SMITH

APPROVED AS TO FORM AND CONTENT:

MESERVE, MUMPER & HUGHES

BY: _____
THOMAS J. BOIS, II
Attorneys for WILLBARB PETROLEUM CARRIERS, INC., d/b/a WRIGHT PETROLEUM, WILLIAM WRIGHT and BARBARA WRIGHT

[signatures continue]

APPROVED AS TO FORM AND
CONTENT:

MAHER & RENZI

BY:_____
CYNTHIA R. MAHER
Attorneys for RESOLUTION
TRUST
CORPORATION, as receiver for
HOMEFED BANK

APPROVED AS TO FORM AND
CONTENT:

COX, CASTLE & NICHOLSON

BY:_____
ROBERT D. INFELISE
Attorneys for 405 HOTEL
ASSOCIATES

APPROVED AS TO FORM AND
CONTENT:

PETTIT & MARTIN

BY:_____
VIRGIL L. ROTH
Attorneys for EMERALD OIL,
INC. and JACK SMITH

APPROVED AS TO FORM AND
CONTENT:

MESERVE, MUMPER & HUGHES

BY:_____
THOMAS J. BOIS, II
Attorneys for WILLBARB
PETROLEUM CARRIERS,
INC., d/b/a WRIGHT
PETROLEUM, WILLIAM WRIGHT
and BARBARA WRIGHT

[signatures continue]

APPROVED AS TO FORM AND
CONTENT:

MAHER & RENZI

BY:_____
CYNTHIA R. MAHER
Attorneys for RESOLUTION
TRUST
CORPORATION, as receiver for
HOMEFED BANK

APPROVED AS TO FORM AND
CONTENT:

COX, CASTLE & NICHOLSON

BY:_____
ROBERT D. INFELISE
Attorneys for 405 HOTEL
ASSOCIATES

APPROVED AS TO FORM AND
CONTENT:

PETTIT & MARTIN

BY:_____
VIRGIL L. ROTH
Attorneys for EMERALD OIL,
INC. and JACK SMITH

APPROVED AS TO FORM AND
CONTENT:

MESERVE, MUMPER & HUGHES

BY:_____
THOMAS J. BOIS, II
Attorneys for WILLBARB
PETROLEUM CARRIERS,
INC., d/b/a WRIGHT
PETROLEUM, WILLIAM WRIGHT
and BARBARA WRIGHT

[signatures continue]

APPROVED AS TO FORM AND
CONTENT:

MAHER & RENZI

BY:_____
CYNTHIA R. MAHER
Attorneys for RESOLUTION
TRUST
CORPORATION, as receiver for
HOMEFED BANK

APPROVED AS TO FORM AND
CONTENT:

COX, CASTLE & NICHOLSON

BY:_____
ROBERT D. INFELISE
Attorneys for 405 HOTEL
ASSOCIATES

APPROVED AS TO FORM AND
CONTENT:

PETTIT & MARTIN

BY:_____
VIRGIL L. ROTH
Attorneys for EMERALD OIL,
INC. and JACK SMITH

APPROVED AS TO FORM AND
CONTENT:

MESERVE, MUMPER & HUGHES

BY: for _____
THOMAS J. BOIS, II
Attorneys for WILLBARB
PETROLEUM CARRIERS,
INC., d/b/a WRIGHT
PETROLEUM, WILLIAM WRIGHT
and BARBARA WRIGHT

[signatures continue]

C3/9434202C.LA1/LAS/06139-004/12-21-94/11a

APPROVED AS TO FORM AND
CONTENT:

LAW OFFICES OF DAVID J. EARLE

BY: _____
DAVID J. EARLE
Attorneys for SHELL OIL
COMPANY and ALADDIN DOROUDI

APPROVED AS TO FORM AND
CONTENT:

ROPER & FOLINO

BY: _____
DOMINIC FOLINO
Attorneys for TRANS-TECH
RESOURCES, INC.

APPROVED AS TO FORM AND
CONTENT:

SHEPPARD, MULLIN, RICHTER &
HAMPTON

BY: _____
JUSTINE M. CASEY
Attorneys for ATLANTIC
RICHFIELD
COMPANY

APPROVED AS TO FORM AND
CONTENT:

RODARTI & SHASTEEN

BY: _____
RICHARD G. FELD
Attorneys for P/A EL TORO
INVESTORS #1

C4/9434202C.LA1/LAS/06139-004/12-29-94/11a

APPROVED AS TO FORM AND
CONTENT:

LAW OFFICES OF DAVID J. EARLE

BY:_____
DAVID J. EARLE
Attorneys for SHELL OIL
COMPANY and ALADDIN DOROUDI

APPROVED AS TO FORM AND
CONTENT:

ROPER & FOLINO

BY:_____
DOMINIC FOLINO
Attorneys for TRANS-TECH
RESOURCES, INC.

APPROVED AS TO FORM AND
CONTENT:

SHEPPARD, MULLIN, RICHTER &
HAMPTON

BY:_____
JUSTINE M. CASEY
Attorneys for ATLANTIC
RICHFIELD
COMPANY

APPROVED AS TO FORM AND
CONTENT:

RODARTI & SHASTEEN

BY:_____
RICHARD G. FELD
Attorneys for P/A EL TORO
INVESTORS #1

R4/9434202C.LA1/LAS/06139-004/12-29-94/11a

APPROVED AS TO FORM AND
CONTENT:

LAW OFFICES OF DAVID J. EARLE

BY:_____
DAVID J. EARLE
Attorneys for SHELL OIL
COMPANY and ALADDIN DOROUDI

APPROVED AS TO FORM AND
CONTENT:

ROPER & FOLINO

BY:_____
DOMINIC FOLINO
Attorneys for TRANS-TECH
RESOURCES, INC.

APPROVED AS TO FORM AND
CONTENT:

SHEPPARD, MULLIN, RICHTER &
HAMPTON

BY: Justine M Casey
JUSTINE M. CASEY
Attorneys for ATLANTIC
RICHFIELD
COMPANY

APPROVED AS TO FORM AND
CONTENT:

RODARTI & SHASTEEN

BY:_____
RICHARD G. FELD
Attorneys for P/A EL TORO
INVESTORS #1

R4/9434202C.LA1/LAS/06139-004/12-29-94/11a

APPROVED AS TO FORM AND
CONTENT:

LAW OFFICES OF DAVID J. EARLE

BY:_____
DAVID J. EARLE
Attorneys for SHELL OIL
COMPANY and ALADDIN DOROUDI

APPROVED AS TO FORM AND
CONTENT:

ROPER & FOLINO

BY:_____
DOMINIC FOLINO
Attorneys for TRANS-TECH
RESOURCES, INC.

APPROVED AS TO FORM AND
CONTENT:

SHEPPARD, MULLIN, RICHTER &
HAMPTON

BY:_____
JUSTINE M. CASEY
Attorneys for ATLANTIC
RICHFIELD
COMPANY

APPROVED AS TO FORM AND
CONTENT:

RODARTE & SHASTEEN

BY: Richard G. Feld
RICHARD G. FELD
Attorneys for P/A EL TORO
INVESTORS #1

C4/94242C2C.LA1/LAB/06139-004/12-29-94/11a

ROBERT J. CATHCART (STATE BAR NO. 54906)
ANTHONY J. OLIVA (STATE BAR NO. 123971)
LEE A. SHIRANI (STATE BAR NO. 151313)
ALLEN, MATKINS, LECK, GAMBLE & MALLORY
515 South Figueroa Street, Eighth Floor
Los Angeles, California 90071-3398
Telephone: (213) 622-5555

Attorneys for Plaintiff
SHOPPING CENTER ASSOCIATES

UNITED STATES DISTRICT COURT

CENTRAL DISTRICT OF CALIFORNIA

SHOPPING CENTER ASSOCIATES, a New York general partnership, Plaintiff, vs. HOMEFED BANK, a federal savings bank; 405 HOTEL ASSOCIATES, a California limited partnership; EMERALD OIL, INC., a California corporation; TRANS-TECH RESOURCES, INC., a corporation; KEESEE TANK AND PUMP COMPANY, a California corporation; PALS ASSOCIATES, INC., a corporation; LHC ASSOCIATES, a corporation; ROSSMOOR CORPORATION, a corporation; and DOES 1 through 100, inclusive, Defendants.	CASE NO. SACV 92-0639-GLT STIPULATION AND ORDER FOR DISMISSAL F.R.C.P. 41(a)(2)
LHC ASSOCIATES, a California general partnership; ROSSMOOR CORPORATION, a corporation, Cross-complainants, vs. SHOPPING CENTER ASSOCIATES; HOMEFED BANK; 405 HOTEL	

ASSOCIATES; 405 HOTEL CORP.; SIGNET; EMERALD OIL, INC.; TRANS-TECH RESOURCES, INC.; PALS ASSOCIATES, INC.; KEESEE TANK & PUMP CO., INC.; UNION OIL COMPANY; SHELL OIL COMPANY; ATLANTIC RICHFIELD COMPANY; EXXON; MOBIL; TEXACO; PAN-AMERICAN PROPERTIES; CONTINENTAL ILL. PROPERTIES; P/A EL TORO INVESTORS #1; WALLACE FRANSON; MARK AND SONIA KORNWASSER; ELMER AND GRACE WHISLER; STELLA RENSHAH; SCHWARTZ LAND COMPANY; BUCHHEIM PROPERTIES; PETER AND EVELINE ROSE; BILL PAGE ENTERPRISES, INC.; TERRY BAWN, INC.; JACK SMITH; WILLIAM WRIGHT; GILBERT ORR; JIM TREVORROW; ALADDIN DOROUDI; DARELL WILLIAMS; BILL AND MARY REGAN; MARGE BUREK; ABDOL R. MOUSSAVI; PETER BOYD; LINDA LUCE; M. KEATE WORLEY; and ROES 1000 through 1500, inclusive,

Cross-defendants.

P/A EL TORO INVESTORS, #1,

Cross-complainant,

vs.

EUGENE DOMS; 405 HOTEL ASSOCIATES, a California limited partnership; 405 HOTEL CORP., a California corporation; SIGNET, a corporation; EMERALD OIL, INC., a California corporation; TRANS TECH RESOURCES, INC., a corporation; PALS ASSOCIATES, INC., a corporation; KEESEE TANK AND PUMP COMPANY, a California corporation; UNION OIL COMPANY, a corporation; CHEVRON, a corporation; SHELL OIL COMPANY, a corporation; ATLANTIC RICHFIELD COMPANY, a corporation; EXXON, a corporation, MOBIL, a corporation; TEXACO, a corporation; PAN-AMERICAN

2 of 6

PROPERTIES, INC., a Delaware corporation; CONTINENTAL ILLINOIS PROPERTIES, a corporation; WALLACE FRANSON; MARK KORNWASSER; SONIA KORNWASSER; ELMER WHISLER; GRACE WHISLER; STELLA RENSHAH; SCHWARTZ LAND COMPANY; BUCHHEIM PROPERTIES; PETER ROSE; EVELINE ROSE; BILL PAGE ENTERPRISES, INC., a corporation; TERRY BAWN, INC., a corporation; JACK SMITH; WILLIAM WRIGHT; GILBERT ORR; JIM TREVORROW; ALADDIN DOROUDI; DARELL WILLIAMS; BILL REGAN; MARY REGAN; MARGE BUREK; ABDOL R. MOUSSAVI; PETER BOYD; LINDA LUCE; M. KEATE WORLEY; and DOES 101 through 200, inclusive,

Cross-defendants.

IT IS HEREBY STIPULATED by and between the parties to this action, through their designated counsel, pursuant to Federal Rules of Civil Procedure 41(a)(2), as follows:

1. Plaintiff, Shopping Center Associates ("SCA"), hereby dismisses the above-captioned action (the "Action"), with prejudice, as to HomeFed Bank, 405 Hotel Associates, Emerald Oil, Inc., Wright Companies, d/b/a Willbarb Petroleum Carriers, Inc., Shell Oil Company, Trans-Tech Resources, Inc. and P/A El Toro Investors #1;

2. SCA hereby dismisses the Action, without prejudice, as to Rossmoor Corporation and LHC Associates;

3. HomeFed Bank, 405 Hotel Associates, Emerald Oil, Inc., Wright Companies, d/b/a Willbarb Petroleum Carriers, Inc., Shell Oil Company, Trans-Tech Resources, Inc., and P/A El Toro hereby dismiss all of their counter-claims (and/or any cross-

claims), with prejudice, as to all of the parties, and dismiss their counter-claims, with prejudice, as to SCA;

4. This Stipulation and Order incorporates by reference, as though fully set forth herein, the Settlement Agreement And Release attached hereto as Exhibit "A". This Stipulation and Order expressly reserves jurisdiction in the United States District Court, Central District of California, to hereafter enforce the Settlement Agreement, manage the proceedings and effectuate the Court's orders.

5. The parties acknowledge that the Court's entry of dismissal in accordance with the terms of this Stipulation and Order in no way impairs the parties' ability to enforce the terms of the Settlement Agreement or this Court's jurisdiction.

6. By entering into this Stipulation, Transcontinental Insurance Company hereby submits to the Court's jurisdiction and agrees that by entering into this Stipulation, it is voluntarily appearing in the Action and expressly consenting to the Court's jurisdiction.

7. This Stipulation (along with all attachments hereto) shall be filed under seal.

DATED: December __, 1994

ALLEN, MATKINS, LECK, GAMBLE & MALLORY
ROBERT J. CATHCART
ANTHONY J. OLIVA
LEE A. SHIRANI

By: _____
Anthony J. Oliva
Attorneys for Plaintiff
SHOPPING CENTER ASSOCIATES

DATED: December __, 1994

LONG & LEVIT
RANDALL A MILLER

By: _____
Randall A. Miller
Attorneys for Defendant
TRANSCONTINENTAL INSURANCE COMPANY

DATED: December __, 1994

LEWIS, D'AMATO, BRISBOIS & BISGAARD
STEVEN R. RUTH

By: _____
Steven R. Ruth
Attorneys for Defendants LHC ASSOCIATES and ROSSMOOR CORPORATION

DATED: December __, 1994

MAHER & RENZI
CYNTHIA R. MAHER

By: _____
Cynthia R. Maher
Attorneys for Defendant
RESOLUTION TRUST CORPORATION, as receiver for HOMEFED BANK

DATED: December __, 1994

COX, CASTLE & NICHOLSON
ROBERT D. INFELISE

By: _____
Robert D. Infelise
Attorneys for Defendant 405 HOTEL ASSOCIATES

DATED: December __, 1994

PETTIT & MARTIN
VIRGIL L. ROTH

By: _____
Virgil L. Roth
Attorneys for Defendant
EMERALD OIL, INC.

[signatures continue]

DATED: December __, 1994

MESERVE, MUMPER & HUGHES
THOMAS J. BOIS, II

By: _____
Thomas J. Bois, II
Attorneys for Defendant WRIGHT COMPANIES, d/b/a WILLBARB PETROLEUM CARRIERS, INC.

DATED: December __, 1994

SHELL OIL COMPANY
DAVID J. EARLE

By: _____
David J. Earle
Attorneys for Defendant SHELL OIL COMPANY

DATED: December __, 1994

ROPER & FOLINO
DOMINIC FOLINO

By: _____
Domenic Folino
Attorneys for Defendant TRANS-TECH RESOURCES, INC.

DATED: December __, 1994

RODARTI & SHASTEEN
RICHARD G. FELD

By: _____
Richard G. Feld
Attorneys for Defendant P/A EI TORO INVESTORS #1

ORDER

IT IS SO ORDERED.

Dated: December __, 1994

_____
Honorable Gary L. Taylor,
United States District Judge

AGREEMENT REGARDING TOLLING OF STATUTES OF LIMITATIONS AND OTHER TIME LIMITS

This Agreement Regarding Tolling of Statutes of Limitations and Other Time Limits ("Tolling Agreement") is made and entered into as of this ___ day of December, 1994, ("Tolling Agreement Effective Date") by and between Shopping Center Associates, a New York general partnership ("SCA"), on the one hand, and Rossmoor Corporation, a dissolved California corporation, Rossmoor Partners, L.P. and LHC Associates, a California general partnership (collectively the "Rossmoor Defendants"), on the other hand.

RECITALS

A. Pursuant to Cleanup and Abatement Order 88-109 (the "C&A Order"), some of the Rossmoor Defendants (among others) have been ordered by the California Regional Water Quality Control Board, Santa Ana Region ("RWQCB"), to remediate the petroleum hydrocarbon discharges at or beneath real property commonly known as the Laguna Hills Mall (the "Mall Property") and at or beneath areas surrounding the Mall Property.

B. On or about August 28, 1990, SCA filed a Complaint for nuisance, trespass and negligence, among other causes of action ("Original Complaint"), as more fully set forth in the Original Complaint in the Orange County Superior Court case entitled Shopping Center Associates v. HomeFed Bank, et al., Case No. 634507 (the "Action"), which Action was subsequently removed

to United States District Court, Central District of California (the "Court"), Case No. SACV92-639GLT. Thereafter, SCA sought and was granted leave to file a Third Amended Complaint (the "Complaint").

C. In the Action, SCA sought to recover damages from the Rossmoor Defendants, among others, arising from the alleged contamination of the Mall Property by hazardous substances and other contaminants, including petroleum hydrocarbons, which substances and contaminants have migrated from sources upgradient and/or cross-gradient from the Mall Property onto the Mall Property and into the soil and ground water thereunder.

D. The Rossmoor Defendants answered the Original Complaint and, among other things, denied any responsibility for the facts pleaded in the Complaint.

E. The parties recognize that the judicial resolution of such claims and disputes will be costly and time consuming and desire to resolve their claims and disputes, in accordance with the terms and conditions of the Settlement Agreement and Release ("Agreement") entered into by, between and among SCA and the Rossmoor Defendants, among others. Further, in connection with that effort, and without acquiescing to or conceding the correctness of the others' claims, contentions or defenses, SCA and the Rossmoor Defendants, in consideration of the mutual covenants and conditions set forth in the Agreement, the Stipulation for Dismissal ("Stipulation") and this Tolling

Agreement, desire to abate the litigation at this time, under the terms and conditions of this Tolling Agreement, the Agreement and the Stipulation, executed concurrently with the Tolling Agreement filed with the Court.

Now, therefore, without otherwise waiving or relinquishing any rights, claims, contentions, or defenses they presently have or claim to have in the Action, SCA and the Rossmoor Defendants hereby agree as follows:

AGREEMENT

1. As of the Tolling Agreement Effective Date, the running of any applicable statutes of limitations and the time period considered in the application of the doctrine of laches (collectively, the "time period") with respect to SCA's claims in the Action shall be deemed tolled from the date the Action was commenced (i.e., August 28, 1990) with respect to those claims asserted in this Action. With respect to those claims not yet asserted, the time period shall be deemed tolled from the date the settlement of the Action was put on the record before the settlement judge in the Action, Judge James Smith of the Orange County Superior Court (i.e. September 14, 1994). The time period for asserted and as yet unasserted claims shall be deemed tolled through and until the date the tolling of the time period is terminated in accordance with the provisions of paragraphs 2 and/or 3, below (the "tolling period").

2. Subsequent to the complete remediation of the Mall Property, as evidenced solely by the issuance of a letter in a form substantially similar to the form attached hereto as Exhibit "1" from the Regional Water Quality Control Board ("RWQCB"), stating that no further remediation is necessary (the "Closure Letter), the Rossmoor Defendants may terminate the tolling period by written notice thereof, sent to SCA and its counsel, either by personal delivery, by facsimile transmission or by certified mail, return receipt requested, addressed as follows:

Shopping Center Associates
c/o The O'Connor Group
399 Park Avenue, 25th Floor
New York, New York 10022

With a copy to:

Anthony J. Oliva, Esq.
Allen, Matkins, Leck, Gamble & Mallory
515 South Figueroa Street, Eighth Floor
Los Angeles, California 90071

The tolling period shall terminate fifteen (15) days after receipt of the notice pursuant to this paragraph 2.

3. Notwithstanding the foregoing, SCA may terminate the tolling period and thereafter reinstate the Action, as if the Action had been pending continuously during the tolling period, by refiling the Complaint with either the Orange County Superior Court or the United States District Court, Central District of California, at any point after which 1) RWQCB determines that any of the parties named to the C&A Order are not complying with the C&A Order; or 2) Transcontinental Insurance Co. ("Transcon") ceases to fund the cleanup of the Mall Property or any other

portion of the Sites as defined in Paragraph 5 of the Agreement. SCA may terminate the tolling period by written notice thereof, sent to the Rossmoor Defendants and their counsel, either by personal delivery, by facsimile transmission or by certified mail, return receipt requested, addressed as follows:

Transcontinental Insurance Co.
333 South Wabash Avenue
CNA Plaza/37 S
Chicago, Illinois 60685
Attn: Robert Kanonik

Rossmoor Partners, L.P.
c/o Cortese Properties, Inc.
1551 N. Tustin Ave., Suite 830
Santa Ana, California 92701
Attn: President

23991 El Toro, Inc.
1551 N. Tustin Ave., Suite 830
Santa Ana, California 92701
Attn: President

With a copy to:
Randall A. Miller, Esq.
Long & Levit
633 West Fifth Street, Suite 5900
Los Angeles, California 90071

Steven R. Ruth, Esq.
Lewis, D'Amato, Brisbois & Bisgaard
221 N. Figueroa St., Suite 1200
Los Angeles, California 90012

Mark L. Musto, Esq.
Goldstein & Phillips
One Embarcadero Center, 8th Floor
San Francisco, California 94111

Duke F. Wahlquist
Rutan & Tucker
611 Anton Blvd., Suite 1400
Costa Mesa, California 92628

The tolling period shall terminate fifteen (15) days after receipt of notice pursuant to this paragraph 3.

4. The parties acknowledge and agree that all statutes, local rules and other requirements setting time limits for the prosecution of a pending lawsuit are hereby waived for the duration of the tolling period. All discovery conducted and/or obtained in the Action will be treated by SCA and the Rossmoor Defendants in any further lawsuit as though such discovery had been commenced and/or obtained in such further lawsuit.

5. This Agreement shall inure to the benefit of, and be binding upon, SCA's and the Rossmoor Defendants' respective present and future affiliates, subsidiaries, officers, directors, managing directors, shareholders, partners, principals, joint venturers, co-owners, successors, assigns, attorneys, agents, alter egos, heirs, executors, employees, and representatives, if any, and each of them.

6. Except as expressly provided hereinabove to the contrary, in the event the Action is reinstated by SCA, this Agreement shall operate to preserve the rights, duties, and obligations of SCA and the Rossmoor Defendants as of the date this Action was filed, as well as the legal contentions asserted by the parties during the time the Action was pending.

SHOPPING CENTER ASSOCIATES, a New York general partnership

By: O'Connor Retail Partners, L.P., a Delaware limited partnership, Managing General Partner

By: J.W. O'Connor & Co., Incorporated, General Partner

By: _____
Its: _____

ROSSMOOR CORPORATION, a dissolved California corporation

By: _____
Its: _____

LHC ASSOCIATES, a dissolved California general partnership

By: 23991 El Toro, Inc.
Its: Last Remaining Partner (pursuant to California Corporations Code § 15035(1)(o)

By: _____
David A. Lundin
Its: Chief Financial Officer

ROSSMOOR PARTNERS, L.P., a
California limited partnership

By: Cortese Properties, Inc.
Its: General Partner

By: _____
David A. Lundin
Its: Vice
President and
Chief Financial
Officer

FORM AND CONTENT APPROVED BY:

ALLEN, MATKINS, LECK GAMBLE
& MALLORY

By: _____
ANTHONY J. OLIVA
Attorneys for SHOPPING
CENTER ASSOCIATES

FORM AND CONTENT APPROVED BY:

LEWIS, D'AMATO, BRISBOIS &
BISGAARD

By: _____
STEVEN R. RUTH
Attorneys for ROSSMOOR
CORPORATION, LHC
ASSOCIATES and ROSSMOOR
PARTNERS, L.P.

MODEL UNDERGROUND STORAGE TANK CLOSURE LETTER

Date

'94 SEP 21

_____
_____
_____

Dear _____:

UNDERGROUND STORAGE TANK (UST) CASE CLOSURE
NAME AND ADDRESS
CASE NO. _____

This letter confirms the completion of site investigation and remedial action for the underground storage tank(s) formerly located at the above-described location.

Based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e).

Please contact _____ at _____ if you have any questions regarding this matter.

Sincerely,

_____
Executive Officer

cc: (appropriate local agency)

PAGE 1 OF 1

Post-it™ brand fax transmittal memo 7671	# of pages ▸ 1
To Mr. Lu Shirani	From Ken Williams
Co. Allen Atkins	Co. RWQCB #8
Dept. 1-213-628-5555	Phone # 909 782 4496
Fax # 1-213-628-8016	Fax # 909 781-6288

PROOF OF SERVICE
1013A (3) CCP Revised 5/1/88

STATE OF CALIFORNIA, COUNTY OF LOS ANGELES

I am employed in the County of Los Angeles, State of California. I am over the age of 18 and not a party to the within action; my business address is 515 S. Figueroa St., 7th Fl., Los Angeles, CA 90071-3398.

On March 24, 1995, I served the foregoing document described as STIPULATION AND ORDER FOR DISMISSAL on interested parties in this action by placing a true and correct copy thereof enclosed in sealed envelopes addressed as follows:

See attached service list.

By mail as follows: I am "readily familiar" with the firm's practice of collection and processing correspondence for mailing. Under that practice it would be deposited with U.S. Postal Service on that same day with postage thereon fully prepaid at Los Angeles, California, in the ordinary course of business. I am aware that on motion of the party served, service is presumed invalid if postal cancellation date or postage meter date is more than one day after date of deposit for mailing in affidavit.

Executed on March 24, 1995, at Los Angeles, California.

I declare under penalty of perjury under the laws of the State of California that the above is true and correct.

Scott Henrotin

Scott Henrotin

SHOPPING CENTER ASSOCIATES V. HOMEFED BANK, ET AL.
SERVICE LIST

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Vicente Valencia, Esq.
Black, Compean, Hall & Lenneman
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FAX: 629-4868

Mark L. Musto, Esq.
Goldstein & Phillips
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8th Floor
San Francisco, CA 94111
(415) 981-8855

9433301T.LA1/WRH/O6139-004/03-23-95/smh

ASBESTOS SURVEY
AT THE
LAGUNA HILLS MALL
AND
LAGUNA HILLS SHOPPING CENTER
LAGUNA HILLS, CALIFORNIA

CERTIFIED PROJECT NO. A90200

PREPARED FOR:

MR. JOHN BONFIGLIO
THE O'CONNOR GROUP
200 PARK AVENUE
NEW YORK, NEW YORK 10166

DATE ISSUED:

SEPTEMBER 29, 1989

EXECUTIVE SUMMARY

Certified Engineering and Testing Company, Inc. (CERTIFIED) conducted an asbestos survey at the Laguna Hills Mall and Laguna Hills Shopping Center (the Site), located on El Toro Road in Laguna Hills, California on September 14, 16 and 17, 1989.

The objective of this survey was to identify suspect asbestos-containing material (ACM) at the site and to assess its condition.

The Laguna Hills Mall was constructed in two phases: phase one in 1973 and phase two in 1977. The approximate total gross square footage of both the Mall and the Shopping Center is 1,097,960 square feet. The two buildings are constructed of steel, concrete, stucco and cinder blocks.

Floor tile, transite wall board, and sprayed-on ceiling material were found to contain asbestos. Due to limitations in the analysis techniques employed, Linoleum floor covering materials, which were not found to contain asbestos cannot be considered asbestos free.

CERTIFIED recommends that the homogeneous applications listed in Table 3 (Materials Recommended for EM Analysis) be analyzed using electron microscopy to confirm their asbestos content, if and when they are disturbed due to renovations or other means.

CERTIFIED also recommends that all materials proven to be asbestos-containing be maintained under the provisions of an Operations and Maintenance (O&M) Program. If demolition or renovation is to occur which will disturb the ACM, it is required that they be removed by a California Licensed Asbestos Abatement Contractor.

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-16	2'X2' CEILING TILE LAUGNA SHOPPING CENTER, CIRCUIT CITY, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	NO ASBESTOS DETECTED	018086
M-16	2'X2' CEILING TILE LAGUNA SHOPPING CENTER, CIRCUIT CITY, SAMPLE COLLECTED ABOVE ENTRANCE DOOR	NO ASBESTOS DETECTED	018087
M-16	2'X2' CEILING TILE LAGUNA SHOPPING CENTER, MANDARIN KING, SAMPLE COLLECTED ABOVE ENTRANCE DOOR	NO ASBESTOS DETECTED	018088
M-16	2'X2' CEILING TILE LAGUNA SHOPPING CENTER, MANDARIN KING, SAMPLE COLLECTED ABOVE ENTRANCE TO BACK ROOM	NO ASBESTOS DETECTED	018089
M-16	2'X2' CEILING TILE LAGUNA SHOPPING CENTER, VELTA'S FASHION, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	NO ASBESTOS DETECTED	018090

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-16	2'X2' CEILING TILE LAGUNA SHOPPING CENTER, VELTA'S FASHION, SAMPLE COLLECTED AT ENTRANCE TO SHOP	NO ASBESTOS DETECTED	018091
M-16	2'X2' CEILING TILE LAGUNA SHOPPING CENTER, CIRCUIT CITY, SAMPLE COLLECTED IN SOUTHWEST CORNER	NO ASBESTOS DETECTED	018092
M-17	2'X4' CEILING TILE LAGUNA SHOPPING CENTER, RAINBOW REALTY, SAMPLE COLLECTED ABOVE ENTRANCE	NO ASBESTOS DETECTED	018093
M-17	2'X4' CEILING TILE LAGUNA SHOPPING CENTER, VACANT STORE, SAMPLE COLLECTED IN BACK ROOM	NO ASBESTOS DETECTED	018094
M-17	2'X4' CEILING TILE LAGUNA SHOPPING CENTER, VACANT STORE, SAMPLE COLLECTED IN NORTHEAST CORNER	NO ASBESTOS DETECTED	018095

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X90046-01

Project Title: LAGUNA HILLS MALL Date Collected: 9/16/89

Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

Sample Number: 018084

Sample Description: 1'X1' GRAY SPLINE CEILING TILE
Location: TOM MOAN, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: PAPER-LIKE

Homogeneous Application: M-15 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018085

Sample Description: 1'X1' GRAY SPLINE CEILING TILE
Location: LIMITED EXPRESS, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: PAPER-LIKE

Homogeneous Application: M-15 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018086

Sample Description: 2'X2' CEILING TILE
Location: LAUGNA SHOPPING CENTER, CIRCUIT CITY, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: CEMENTITIOUS

Homogeneous Application: M-16 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018087

Sample Description: 2'X2' CEILING TILE
Location: LAGUNA SHOPPING CENTER, CIRCUIT CITY, SAMPLE COLLECTED ABOVE ENTRANCE DOOR

Comments: CEMENTITIOUS

Homogeneous Application: M-16 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X90046-01

Project Title: LAGUNA HILLS MALL Date Collected: 9/16/89

Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

==========

Sample Number: 018088

Sample Description: 2'X2' CEILING TILE
Location: LAGUNA SHOPPING CENTER, MANDARIN KING, SAMPLE COLLECTED ABOVE ENTRANCE DOOR

Comments: CEMENTITIOUS

Homogeneous Application: M-16 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018089

Sample Description: 2'X2' CEILING TILE
Location: LAGUNA SHOPPING CENTER, MANDARIN KING, SAMPLE COLLECTED ABOVE ENTRANCE TO BACK ROOM

Comments: CEMENTITIOUS

Homogeneous Application: M-16 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018090

Sample Description: 2'X2' CEILING TILE
Location: LAGUNA SHOPPING CENTER, VELTA'S FASHION, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: CEMENTITIOUS

Homogeneous Application: M-16 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018091

Sample Description: 2'X2' CEILING TILE
Location: LAGUNA SHOPPING CENTER, VELTA'S FASHION, SAMPLE COLLECTED AT ENTRANCE TO SHOP

Comments: CEMENTITIOUS

Homogeneous Application: M-16 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X90046-01

Project Title: LAGUNA HILLS MALL Date Collected: 9/16/89

Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

==========

Sample Number: 018092

Sample Description: 2'X2' CEILING TILE
Location: LAGUNA SHOPPING CENTER, CIRCUIT CITY, SAMPLE COLLECTED IN SOUTHWEST CORNER

Comments: CEMENTITIOUS

Homogeneous Application: M-16 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018093

Sample Description: 2'X4' CEILING TILE
Location: LAGUNA SHOPPING CENTER, RAINBOW REALTY, SAMPLE COLLECTED ABOVE ENTRANCE

Comments: CEMENTITIOUS

Homogeneous Application: M-17 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018094

Sample Description: 2'X4' CEILING TILE
Location: LAGUNA SHOPPING CENTER, VACANT STORE, SAMPLE COLLECTED IN BACK ROOM

Comments: CEMENTITIOUS

Homogeneous Application: M-17 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018095

Sample Description: 2'X4' CEILING TILE
Location: LAGUNA SHOPPING CENTER, VACANT STORE, SAMPLE COLLECTED IN NORTHEAST CORNER

Comments: CEMENTITIOUS

Homogeneous Application: M-17 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X90046-01

Project Title: LAGUNA HILLS MALL Date Collected: 9/16/89

Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

==========

Sample Number: 018096

Sample Description: 2'X4' CEILING TILE
Location: LAGUNA SHOPPING CENTER, VACANT STORE, SAMPLE COLLECTED IN SOUTHWEST CORNER

Comments: CEMENTITIOUS

Homogeneous Application: M-17 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018097

Sample Description: 2'X4' CEILING TILE
Location: LAGUNA SHOPPING CENTER, LAGUNA HILLS WINE/SPIRITS, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: CEMENTITIOUS

Homogeneous Application: M-17 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018098

Sample Description: 2'X4' CEILING TILE
Location: LAGUNA SHOPPING CENTER, LEISURE WORLD BARBERS, SAMPLE COLLECTED ABOVE ENTRANCE DOOR

Comments: CEMENTITIOUS

Homogeneous Application: M-17 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018099

Sample Description: 2'X4' CEILING TILE
Location: LAGUNA SHOPPING CENTER, LAGUNA HILLS CLEANER, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: CEMENTITIOUS

Homogeneous Application: M-17 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X90046-01

Project Title: LAGUNA HILLS MALL Date Collected: 9/16/89

Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

Sample Number: 018100

Sample Description: 1'X1' SPLINE CEILING TILE
Location: LAGUNA SHOPPING CENTER, LAGUNA HILLS CLEANER, SAMPLE COLLECTED ABOVE FRONT DESK

Comments:

Homogeneous Application: M-18 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018101

Sample Description: 1'X1' SPLINE CEILING TILE
Location: LAGUNA HILLS SHOPPING CENTER, LAGUNA HILLS CLEANER, SAMPLE COLLECTED ABOVE ENTRANCE DOOR

Comments:

Homogeneous Application: M-18 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018102

Sample Description: 1'X1' SPLINE CEILING TILE
Location: LAGUNA HILLS SHOPPING CENTER, LAGUNA HILLS CLEANER, SAMPLE COLLECTED IN SOUTHWEST CORNER

Comments:

Homogeneous Application: M-18 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

ASBESTOS SURVEY
AT THE
LAGUNA HILLS MALL
AND
LAGUNA HILLS SHOPPING CENTER
LAGUNA HILLS, CALIFORNIA

CERTIFIED PROJECT NO. A90200

PREPARED FOR:

MR. JOHN BONFIGLIO
THE O'CONNOR GROUP
200 PARK AVENUE
NEW YORK, NEW YORK 10166

DATE ISSUED:

SEPTEMBER 29, 1989

EXECUTIVE SUMMARY

Certified Engineering and Testing Company, Inc. (CERTIFIED) conducted an asbestos survey at the Laguna Hills Mall and Laguna Hills Shopping Center (the Site), located on El Toro Road in Laguna Hills, California on September 14, 16 and 17, 1989.

The objective of this survey was to identify suspect asbestos-containing material (ACM) at the site and to assess its condition.

The Laguna Hills Mall was constructed in two phases: phase one in 1973 and phase two in 1977. The approximate total gross square footage of both the Mall and the Shopping Center is 1,097,960 square feet. The two buildings are constructed of steel, concrete, stucco and cinder blocks.

Floor tile, transite wall board, and sprayed-on ceiling material were found to contain asbestos. Due to limitations in the analysis techniques employed, Linoleum floor covering materials, which were not found to contain asbestos cannot be considered asbestos free.

CERTIFIED recommends that the homogeneous applications listed in Table 3 (Materials Recommended for EM Analysis) be analyzed using electron microscopy to confirm their asbestos content, if and when they are disturbed due to renovations or other means.

CERTIFIED also recommends that all materials proven to be asbestos-containing be maintained under the provisions of an Operations and Maintenance (O&M) Program. If demolition or renovation is to occur which will disturb the ACM, it is required that they be removed by a California Licensed Asbestos Abatement Contractor.

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The Asbestos Survey described herein was conducted by the undersigned, of Certified Engineering and Testing Company, Inc. (CERTIFIED). CERTIFIED's investigation consisted solely of the activities described in the Introduction to this report and is subject to the Limitations and Service Constraints provided in Appendix F.

Francisco J. Rodrigues E+W

Francisco J. Rodrigues, Project Manager
Industrial Hygienist

September 29, 1989

Asbestos Survey Report Reviewed
and Approved By:

Timothy J. Hoffman E+W

Timothy J. Hoffman, Project Supervisor
Industrial Hygienist

I. INTRODUCTION

Certified Engineering and Testing Company, Inc. (CERTIFIED) performed an asbestos survey at the Laguna Hills Mall and Laguna Hills Shopping Center, located on El Toro Road in Laguna Hills, California on September 14, 16 and 17, 1989.

The scope of work for the project, as provided to CERTIFIED, was to identify, quantify and assess the condition of suspect asbestos-containing material throughout accessible areas of the Laguna Hills Mall and Laguna Hills Shopping Center, Laguna Hills, California. Investigated materials consisted solely of those noted in the List of Investigated Materials in Appendix C. In addition, the survey was subject to the limitations noted in the Limitations and Service Constraints found in Appendix F.

II. SITE DESCRIPTION

The Laguna Hills Mall was constructed in two phases: phase one in 1973 and phase two in 1977. The approximate total gross square footage of both the Mall and the Shopping Center is 1,097,960 square feet. The two buildings are constructed of steel, concrete, stucco and cinder block.

As a guideline for the survey, CERTIFIED used the Laguna Hills Mall and Laguna Hills Shopping Center's site plan, which were provided to CERTIFIED by Gene Condon, Operations Manager.

Renovations to some of the stores within the two buildings have occurred with changes in the store ownerships. Most of the changes noted within the shops included the removal of original floor tile and replacement with either carpet or newer tile. A majority of the shops still maintain the original floor tile, which has been carpeted over in some areas.

III. METHODOLOGY

A. Survey Approach

Suspect ACM was identified based on a complete building walk-through, documentation review and on-site interviews with building staff. The inspection included all building areas other than those to which access would have required damaging building components.

Suspect materials were divided into "Homogeneous Applications," building materials which were determined by the inspector to be homogenous based on their color, texture and age. A representative number of samples were collected from each Homogeneous Application.

Assessment of material condition included, among other factors, area occupancy and use, existing damage, and potential for damage. Determination of a material's potential for damage includes evaluation of the building's air-flow, building occupancy, and the material's friability and percent asbestos.

Characterization of the asbestos-content of a material on a unit-by-unit basis (e.g. tile by tile or fitting by fitting) is generally both economically impractical and of questionable usefulness. Instead, materials making up an apparently homogeneous material application are treated as a single material and, generally, are reported as positive even if only a single sample of the material is found to contain asbestos.

B. Analytical Methods

Material identification was performed using Polarized Light Microscopy with Dispersion Staining (PLM/DS) in accordance with the Environmental Protection Agency (EPA) "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA-600-M4-82-020). Percentage estimates of each material's components are based on the analyst's best judgement following PLM/DS analysis and examination with a stereoscope.

Pending confirmation of asbestos-content by electron microscopy, CERTIFIED recommends that all materials listed in Table 3 (such as floor tile) which are found not to contain asbestos by optical microscopy be maintained as though they contained asbestos. Electron microscopy with sample preparation using the "Chatfield Standard Operating Procedure" proposed to ASTM Committee D22.05.07.007 is the current "state-of-the-art" for analysis of non-insulation samples. Specific recommendations regarding any such materials, which for the purposes of this report are called Materials Recommended for EM Analysis, are provided in the Findings section of this report.

IV. SURVEY FINDINGS

Asbestos-containing materials in generally good condition were found throughout the Laguna Hills Mall and Laguna Hills Shopping Center. Homogeneous Application M-14 was found not to contain asbestos by optical microscopy but the asbestos content of samples from this area was not confirmed using Transmission Electron Microscopy (TEM). Due to limitations in the analysis techniques employed, some additional materials sampled at the site cannot be considered free of asbestos (see Table 3). Materials determined to be non-asbestos-containing by PLM/DS methodology are listed as Table 2.

Confirmed Asbestos-Containing Materials:

Floor Tile (M-02, M-12, M-13)

The floor tile is found throughout the Laguna Hills Mall. The confirmed asbestos-containing floor tile was in 9" x 9" and 1' x 1' dimensions. The majority of the floor tile noted was in good condition.

Homogeneous Application #	Description	Location	Amount
M-02	1' x 1' Various Colored Floor Tile	Kinney Shoes, Lens Crafters, Naturalizer West, Lechters, Jay Jacobs, Cutlery World, DJ's Fashion Center For Men	10,000 sq.ft
M-12	1' x 1' Various Colored Floor Tile	Little Folks Shop, Jackie's, Wet Seal, Sheila's, Millers Outpost, Outfitters, Coach House Gift, Russo's Pets	5,000 sq.ft.
M-13	9" x 9" Brown and Green Floor Tile	Leed's Shoes, Showcase Cards	800 sq.ft.

Transite Wall Board (M-03)

There is approximately 4,200 square feet of transite wall board located in all of the Laguna Hills Mall exit corridors and also in the receiving corridors of some tenant spaces. Overall, the material is in good condition with minor damage in some tenant spaces.

Textured Sprayed-On Ceiling Material (S-01)

There is approximately 30,000 square feet of textured sprayed-on ceiling material located in some tenant spaces and also located in the common areas. The material is in good condition and the material in the common areas is 25-35 feet high, therefore, the potential for fiber release is low.

V. CONCLUSIONS AND RECOMMENDATIONS

All confirmed asbestos-containing materials at the Laguna Hills Mall and Laguna Hills Shopping Center were found to be in good condition with low potential for fiber release. Therefore, CERTIFIED recommends that these materials (M-02, M-03, M-12, M-13 and S-01) be maintained under the provisions of an Operations and Maintenance
(O&M) Program.

The purpose of an O&M Program is threefold: first, to clean up asbestos fibers which may have been released; second, to prevent possible future fiber release by reducing disturbance; and third, to monitor the condition of asbestos-containing materials.

CERTIFIED recommends that all confirmed asbestos-containing materials be removed before any renovation/demolition is to occur which may disturb these materials. If suspect materials not included in this report are discovered during renovation/demolition, it is recommended that they be samples and analyzed to determine asbestos content.

It is required that all removal of asbestos-containing material be conducted by a fully licensed abatement contractor. Removal should be performed in accordance with a state-of-the-art removal specification and all contractor work should be monitored by a third party consultant.

It is also recommended that Homogeneous Application M-14 be analyzed using electron microscopy to confirm asbestos content, if and when it will be disturbed due to renovations or other means.

TABLE 2
(con't)

Homogeneous Application #	Description	Location
M-10	2' x 2' Gray Suspended Ceiling Tile	Yozurt, TJ's Cinnamons Bakery, Gloria Jean's Coffee Beans, Zale's Jewelers, Round Table Pizza, Chic Accessories, DJ's Fashion Center For Men, Russo's Pet, Coach House Gifts, Showcase Cards, Leed's Shoes, Outfitters, Radio Shack, P.S. Plus Sizes
M-11	2' x 4' Dark Gray/Charcoal Colored Suspended Ceiling Tile	Cutlery World
M-15	1' x 1' Gray Spline Ceiling Tile	Millers Outpost, Walden Books, The Sweat and Surf Shop, Rieder's Hallmark, Sam Goody's Music-land, Hairstyling Co., Thom McAn, Foxmoor Casuals, Limited Express, Motherhood Maternity Carl's Jr., Cutlery World
M-16	2' x 2' Suspended Ceiling Tile	Laguna Shopping Center: Circuit City Mandarin King, Velta's Fashion

TABLE 2
(con't)

Homogeneous Application #	Description	Location
M-17	2' x 4' Suspended Ceiling Tile	Laguna Shopping Center: Rainbow Reality, Vacant Shop, Laguna Hills Wine and Spirits, Laguna Hills Optical Old Fashion Donut House, Leisure World Barbers, Laguna Hills Coiffures, Laguna Hills Cleaners
M-18	1' x 1' Spline Ceiling Tile	Laguna Shopping Center: Laguna Hills Cleaners

United States Department of Commerce
National Institute of Standards and Technology

NVLAP

Certificate of Accreditation

CERTIFIED ENGINEERING & TESTING CO., INC
WEYMOUTH, MA

is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria established in Title 15, Part 7 Code of Federal Regulations. Accreditation is awarded for specific services listed on the Scope of Accreditation, for:

ASBESTOS FIBER ANALYSIS

April 1, 1990

Effective until

DEPARTMENT OF COMMERCE · UNITED STATES OF AMERICA

For the National Institute of Standards and Technology

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Francisco J. Rodrigues EHW

Francisco J. Rodrigues, Project Manager
Industrial Hygienist

September 29, 1989

Asbestos Survey Report Reviewed
and Approved By:

Timothy J. Hoffman EHW

Timothy J. Hoffman, Project Supervisor
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CERTIFIED recommends that all confirmed asbestos-containing materials be removed before any renovation/demolition is to occur which may disturb these materials. If suspect materials not included in this report are discovered during renovation/demolition, it is recommended that they be samples and analyzed to determine asbestos content.

It is required that all removal of asbestos-containing material be conducted by a fully licensed abatement contractor. Removal should be performed in accordance with a state-of-the-art removal specification and all contractor work should be monitored by a third party consultant.

It is also recommended that Homogeneous Application M-14 be analyzed using electron microscopy to confirm asbestos content, if and when it will be disturbed due to renovations or other means.

TABLE 2

Non-Asbestos-Containing Materials

Homogeneous Application #	Description	Location
M-01	2' x 2' Grey Suspended Ceiling Tile	Management Offices, Petres, Contempo Casuals, Kinney Shoes, Brooks, Tilt, Orange Julius, General Nutrition
M-05	2' x 4' Suspended Ceiling Tile	Windsor's (Backroom) Kay Bee Toy & Hobby, Brooks, Lens Crafters, Lechter's Kit's Camera, Little Folks Shop, Wet Seal, Millers Outpost, Picturemat, Sandwich Express, Showcase Cards, CVS Drugs
M-06	1' x 1' Spline Ceiling Tile	Windsor's, Pendleton Sports Shop, Helen Grace Candies, Jackie's, Laguna Hills Cinema, Fiddler's Three, Merle Norman, Annie-Sez, Time-O-Max, El Porto Luggage
M-09	2' x 2' Brown Paper-Like Suspended Ceiling Tile	Naturalizer West, Pal's, Singer House of Fabrics
M-10	2' x 2' Grey Suspended Ceiling Tile	Jay Jacobs, Socks Du Jour, Hiland Tobacco, The Limited Sheila's, Footlocker Weisfield's Jewelers Pinch or Pound, Florsheim Shoes, Heidi's Frozen

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X9004E-01

Project Title: LAGUNA HILLS MALL & SHOPPING CTR Date Collected: 9/14/89

Date In Lab: 9/14/89 Sampling Technician: FRANK RODRIGUES

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Sample Number: 018005

Sample Description: 2'X2' DROP-IN CEILING TILE
Location: MANAGEMENT OFFICE, KITCHEN AREA, SOUTHEAST CORNER OF ROOM ABOVE LATTER

Comments: GRAY, CEMENTITIOUS

Homogeneous Application: M-01 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018006

Sample Description: 2'X2' DROP-IN CEILING TILE
Location: MANAGEMENT OFFICE, JILL STRIEF'S OFFICE, EAST SIDE ABOVE BACK DOOR

Comments: GRAY, CEMENTITIOUS

Homogeneous Application: M-01 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018007

Sample Description: 2'X2' DROP-IN CEILING TILE
Location: MANAGEMENT OFFICE, JILL STRIEF'S OFFICE ABOVE DESK

Comments: GRAY, CEMENTITIOUS

Homogeneous Application: M-01 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018008

Sample Description: 12"X12" FLOOR TILE
Location: MANAGEMENT OFFICES, KITCHEN AREA AT DOOR

Comments: WHITE SPECKLED DESIGN

Homogeneous Application: M-02 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X9004a-01

Project Title: LAGUNA HILLS MALL & SHOPPING CTR Date Collected: 9/14/89

Date In Lab: 9/14/89 Sampling Technician: FRANK RODRIGUES

Sample Number: 018009

Sample Description: 12"X12" FLOOR TILE
Location: HALLWAY OF MANAGEMENT OFFICES, SOUTH END AT DOOR TO BATHROOM

Comments: GOOD CONDITION

Homogeneous Application: M-02 PLM/DS Result:1-3% TOTAL ASBESTOS EM Result (If Applicable)

Sample Number: 018010

Sample Description: 12"X12" FLOOR TILE
Location: HALLWAY OF MANAGEMENT OFFICES, SAMPLE COLLECTED AT DOOR TO SLAVICK'S JEWELER

Comments: GOOD CONDITION

Homogeneous Application: M-02 PLM/DS Result:<1% TOTAL ASBESTOS EM Result (If Applicable)

Sample Number: 018011

Sample Description: 12"X12" FLOOR TILE
Location: HALLWAY OF MANAGEMENT OFFICES, SAMPLE COLLECTED HALFWAY DOWN HALL ON EAST SIDE

Comments: GOOD CONDITION

Homogeneous Application: M-02 PLM/DS Result:1-3% TOTAL ASBESTOS EM Result (If Applicable)

Sample Number: 018012

Sample Description: 12"X12" FLOOR TILE
Location: HALLWAY OF MANAGEMENT OFFICES, SAMPLE COLLECTED NEAR ENTRANCE DOOR TO HALL ON WEST SIDE

Comments: GOOD CONDITION

Homogeneous Application: M-02 PLM/DS Result:1-3% TOTAL ASBESTOS EM Result (If Applicable)

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X9004c-01

Project Title: LAGUNA HILLS MALL & SHOPPING CTR Date Collected: 9/14/89

Date In Lab: 9/14/89 Sampling Technician: FRANK RODRIGUES

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Sample Number: 018013

Sample Description: TRANSITE WALLBOARD
Location: HALLWAY OF MANAGEMENT OFFICES, SAMPLE COLLECTED FROM 3" HOLE IN WALL ON EAST SIDE NEXT TO BATHROOM

Comments: DAMAGED AREA

Homogeneous Application: M-03 PLM/DS Result:65-70% TOTAL ASBESTOS EM Result (If Applicable)

Sample Number: 018014

Sample Description: TRANSITE WALLBOARD
Location: HALLWAY OF MANAGEMENT OFFICES, SAMPLE COLLECTED FROM WEST WALL NEAR ENTRANCE

Comments: GOOD CONDITION

Homogeneous Application: M-03 PLM/DS Result:65-70% TOTAL ASBESTOS EM Result (If Applicable)

Sample Number: 018015

Sample Description: TRANSITE WALLBOARD
Location: HALLWAY OF MANAGEMENT OFFICES, SAMPLE COLLECTED FROM HALFWAY DOWN HALL, EAST WALL

Comments: GOOD CONDITION

Homogeneous Application: M-03 PLM/DS Result:50-55% TOTAL ASBESTOS EM Result (If Applicable)

CERTIFIED ENGINEERING & TESTING COMPANY, INC.

FIELD SAMPLING SHEET

Project Number: X90046-01

Project Title: LAGUNA HILLS MALL

Date Collected: 9/16/89

Date In Lab: 9/19/89

Sampling Technician: FRANK RODRIGUES

Sample Number: 018016

Sample Description: 2'X4' CEILING TILE
Location: WINDSOR'S, SAMPLE COLLECTED FROM 2ND FLOOR STORAGE ROOM

Comments: GOOD CONDITION

Homogeneous Application: M-05 | PLM/DS Result:NO ASBESTOS DETECTED | EM Result (If Applicable)

Sample Number: 018017

Sample Description: 2'X4' CEILING TILE
Location: BACK ROOM OF CONTEMPO CASUALS, REPLACEMENT TILE

Comments: GRAY, CEMENTITIOUS

Homogeneous Application: M-01 | PLM/DS Result:NO ASBESTOS DETECTED | EM Result (If Applicable)

Sample Number: 018018

Sample Description: 2'X2' CEILING TILE
Location: KINNEY'S SHOE STORE, ABOVE ENTRANCE TO BACK ROOM

Comments: GRAY, CEMENTITIOUS

Homogeneous Application: M-01 | PLM/DS Result:NO ASBESTOS DETECTED | EM Result (If Applicable)

Sample Number: 018019

Sample Description: 1'X1' WHITE FLOOR TILE
Location: BACK ROOM OF KINNEY SHOE STORE

Comments: DAMAGED AREA

Homogeneous Application: M-02 | PLM/DS Result:NO ASBESTOS DETECTED | EM Result (If Applicable)

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Project Title: LAGUNA HILLS MALL Date Collected: 9/16/89

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Sample Number: 018020

Sample Description: 1'X1' BROWN FLOOR TILE
Location: BACK ROOM OF KINNEY SHOE STORE

Comments: GOOD CONDITION

Homogeneous Application: M-02 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018021

Sample Description: 2'X4' CEILING TILE
Location: STORAGE ROOM OF BROOKS CLOTHING STORE, SAMPLE COLLECTED ABOVE DOOR LEADING INTO STORE

Comments: GRAY, CEMENTITIOUS

Homogeneous Application: M-05 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018022

Sample Description: 2'X4' CEILING TILE
Location: LENS CRAFTER, SAMPLE COLLECTED IN ELECTRICAL ROOM IN BACK

Comments: GRAY, CEMENTITIOUS

Homogeneous Application: M-05 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018023

Sample Description: 2'X4' CEILING TILE
Location: LENS CRAFTER, SAMPLE COLLECTED IN WEST CORRIDOR ABOVE MEN'S ROOM DOOR

Comments: GRAY, CEMENTITIOUS

Homogeneous Application: M-05 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

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Sample Number: 018024

Sample Description: 2'X2' CEILING TILE
Location: PAL'S VACUUM CLEANER REPAIR, SAMPLE COLLECTED IN BACK ROOM

Comments: BROWN, PAPER-LIKE MATERIAL

Homogeneous Application: M-09 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018025

Sample Description: 2'X2' CEILING TILE
Location: PAL'S, SAMPLE COLLECTED FROM FLOOR DISPLAY AREA ABOVE DOOR INTO BACK ROOM

Comments: BROWN, PAPER-LIKE MATERIAL

Homogeneous Application: M-09 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018026

Sample Description: 2'X2' CEILING TILE
Location: SINGER HOUSE OF FABRIC, SAMPLE COLLECTED FROM NORTHWEST CORNER OF STORE

Comments: BROWN, PAPER-LIKE MATERIAL

Homogeneous Application: M-09 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018027

Sample Description: 2'X2' CEILING TILE
Location: SINGER HOUSE OF FABRIC, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: BROWN, PAPER-LIKE MATERIAL

Homogeneous Application: M-09 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

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Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

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Sample Number: 018028

Sample Description: 2'X2' CEILING TILE
Location: SINGER HOUSE OF FABRIC, SAMPLE COLLECTED FROM NORTHEAST CORNER

Comments: BROWN, PAPER-LIKE MATERIAL

Homogeneous Application: M-09 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018029

Sample Description: 1'X1' TANISH-GRAY FLOOR TILE
Location: NATURALIZER WEST, SAMPLE COLLECTED IN BACK ROOM NEXT TO BATHROOM DOOR

Comments: GOOD CONDITION

Homogeneous Application: M-02 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018030

Sample Description: 1'X1' FLOOR TILE
Location: NATURALIZER WEST, SAMPLE COLLECTED AT ENTRANCE TO BACK ROOM

Comments: GOOD CONDITION

Homogeneous Application: M-02 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018031

Sample Description: 1'X1' WHITE FLOOR TILE
Location: LECHTER'S, SAMPLE COLLECTED AT EMERGENCY EXIT

Comments: GOOD CONDITION

Homogeneous Application: M-02 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

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Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

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Sample Number: 018032

Sample Description: 2'X2' CEILING TILE
Location: TILT, SAMPLE COLLECTED IN BACK ROOM NEAR EMERGENCY EXIT ABOVE WORK BENCH AREA

Comments: GRAY, CEMENTITIOUS

Homogeneous Application: M-01 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018033

Sample Description: 2'X2' CEILING TILE
Location: GENERAL NUTRITION, SAMPLE COLLECTED IN NORTHEAST CORNER

Comments: GRAY, CEMENTITIOUS

Homogeneous Application: M-01 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018034

Sample Description: 2'X2' CEILING TILE
Location: OUTFITTERS, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: GRAY, PAPER-LIKE

Homogeneous Application: M-10 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018035

Sample Description: 2'X2' CEILING TILE
Location: DJ'S FASHION CENTER FOR MEN, SAMPLE COLLECTED ABOVE DOOR LEADING TO BACK ROOM

Comments: GRAY, PAPER-LIKE

Homogeneous Application: M-10 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X90046-01

Project Title: LAGUNA HILLS MALL Date Collected: 9/18/89

Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

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Sample Number: 018036

Sample Description: 2'X2' CEILING TILE
Location: SHOWCASE CARDS, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: GRAY, PAPER-LIKE

Homogeneous Application: M-10 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018037

Sample Description: 2'X2' CEILING TILE
Location: CHIC ACCESSORIES, SAMPLE COLLECTED SOUTHWEST CORNER

Comments: GRAY, PAPER-LIKE

Homogeneous Application: M-10 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018038

Sample Description: 2'X2' CEILING TILE
Location: ZALE'S JEWELER, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: GRAY, PAPER-LIKE

Homogeneous Application: M-10 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018039

Sample Description: 2'X2' CEILING TILE
Location: HEIDI'S FROZEN YOZURT, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: GRAY, PAPER-LIKE

Homogeneous Application: M-10 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X90046-01

Project Title: LAGUNA HILLS MALL Date Collected: 9/16/89

Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

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Sample Number: 018040

Sample Description: 2'X2' CEILING TILE
Location: GLORIA JEAN'S COFFEE BEANS, SAMPLE COLLECTED AT ENTRANCE TO BACK ROOM

Comments: GRAY, PAPER-LIKE

Homogeneous Application: M-10 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018041

Sample Description: 1'X1' SPLINE CEILING TILE
Location: PENDLETON'S, SAMPLE COLLECTED IN BACK ROOM ABOVE DESK

Comments: GRAY, CEMENTITIOUS

Homogeneous Application: M-06 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018042

Sample Description: 1'X1' SPLINE CEILING TILE
Location: HELEN GRACE CANDIES, SAMPLE COLLECTED AT ENTRANCE TO BACK ROOM

Comments: GRAY, CEMENTITIOUS

Homogeneous Application: M-06 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018043

Sample Description: 1'X1' SPLINE CEILLING TILE
Location: LAGUNA HILLS CINEMA, SAMPLE COLLECTED ABOVE DOOR TO TICKET BOOTH

Comments: GOOD CONDITION

Homogeneous Application: M-06 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X90046-01

Project Title: LAGUNA HILLS MALL Date Collected: 9/16/89

Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

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Sample Number: 018044

Sample Description: 1'X1' SPLINE CEILLING TILE
Location: LAGUNA HILLS CINEMA, SAMPLE COLLECTED ABOVE DOOR TO RESTROOM

Comments: GOOD CONDITION

Homogeneous Application: M-06 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018045

Sample Description: 1'X1' SPLINE CEILING TILE
Location: EL PORTAL LUGGAGE, SAMPLE COLLECTED NORTHWEST CORNER

Comments: GRAY, CEMENTITIOUS

Homogeneous Application: M-06 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018046

Sample Description: 1'X1' SPLINE CEILING TILE
Location: ANNIE-SEZ, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: GRAY, CEMENTITIOUS

Homogeneous Application: M-06 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018047

Sample Description: 1'X1' SPLINE CEILING TILE
Location: JACKIES, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: GRAY, CEMENTITIOUS

Homogeneous Application: M-06 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X90046-01

Project Title: LAGUNA HILLS MALL Date Collected: 9/16/89

Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

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Sample Number: 018048

Sample Description: 2'X4' CEILING TILE
Location: CUTLERY WORLD, SAMPLE COLLECTED IN AREA ABOVE BATHROOM

Comments: SMOOTH DECORATIVE DESIGN; BLACK, CEMENTITIOUS

Homogeneous Application: M-11 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018049

Sample Description: 2'X4' CEILING TILE
Location: CUTLERY WORLD, SAMPLE COLLECTED IN BACK ROOM, SOUTHWEST CORNER

Comments: SMOOTH DECORATIVE DESIGN; BLACK, CEMENTITIOUS

Homogeneous Application: M-11 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018050

Sample Description: 2'X4' CEILING TILE
Location: CUTLERY WORLD, SAMPLE COLLECTED IN BACK ROOM, SOUTHEAST CORNER

Comments: SMOOTH DECORATIVE DESIGN; BLACK, CEMENTITIOUS

Homogeneous Application: M-11 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018051

Sample Description: 1'X1' WHITE FLOOR TILE
Location: P.S. PLUS SIZES, SAMPLE COLLECTED IN BACK ROOM AT BASE OF EMERGENCY EXIT DOOR

Comments: GOOD CONDITION

Homogeneous Application: M-02 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Samples submitted for EM Asbestos or Lead at Original's [illegible]

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X90046-01

Project Title: LAGUNA HILLS MALL Date Collected: 9/16/89

Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

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Sample Number: 018052

Sample Description: 2'X2' GRAY CEILING TILE
Location: RADIO SHACK, SAMPLE COLLECTED IN BACK ROOM FROM REPLACEMENT TILE

Comments: FRIABLE

Homogeneous Application: M-10 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018053

Sample Description: 1'X1' BROWN FLOOR TILE
Location: OUTFITTERS, SAMPLE COLLECTED IN BATHROOM

Comments: GOOD CONDITION

Homogeneous Application: M-12 PLM/DS Result:<1% TOTAL ASBESTOS EM Result (If Applicable)

Sample Number: 018054

Sample Description: 1'X1' WHITE FLOOR TILE
Location: CVS, SAMPLE COLLECTED IN BACK ROOM BATHROOM

Comments: GOOD CONDITION

Homogeneous Application: M-12 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018055

Sample Description: 2'X4' CEILING TILE
Location: CVS, SAMPLE COLLECTED IN BACK ROOM, LUNCH ROOM OR LOUNGE

Comments: GRAY, CEMENTITIOUS

Homogeneous Application: M-05 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X90046-01

Project Title: LAGUNA HILLS MALL Date Collected: 9/16/89

Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

Sample Number: 018056

Sample Description: 9"X9" BROWN FLOOR TILE
Location: LEED'S SHOE STORE, SAMPLE COLLECTED IN BATHROOM

Comments: GOOD CONDITION

Homogeneous Application: M-13 PLM/DS Result:<1% TOTAL ASBESTOS EM Result (If Applicable)

Sample Number: 018057

Sample Description: 9"X9" BROWN FLOOR TILE
Location: LEED'S SHOE STORE, SAMPLE COLLECTED AT EMERGENCY EXIT DOOR

Comments: GOOD CONDITION

Homogeneous Application: M-13 PLM/DS Result:1-3% TOTAL ASBESTOS EM Result (If Applicable)

Sample Number: 018058

Sample Description: 9"X9" BROWN FLOOR TILE
Location: LEED'S SHOE STORE, SAMPLE COLLECTED AT ENTRANCE TO BACK ROOM

Comments: GOOD CONDITION

Homogeneous Application: M-13 PLM/DS Result:<1% TOTAL ASBESTOS EM Result (If Applicable)

Sample Number: 018059

Sample Description: 9"X9" GREEN FLOOR TILE
Location: SHOWCASE CARDS, SAMPLE COLLECTED IN BACK ROOM AT EMERGENCY EXIT

Comments: GOOD CONDITION

Homogeneous Application: M-13 PLM/DS Result:1-3% TOTAL ASBESTOS EM Result (If Applicable)

Samples maintained for 10 days or longer at [illegible]

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X90046-01

Project Title: LAGUNA HILLS MALL Date Collected: 9/16/89

Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

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Sample Number: 018060

Sample Description: 9"X9" GREEN FLOOR TILE
Location: SHOWCASE CARDS, SAMPLE COLLECTED IN BACK ROOM, IN OFFICE

Comments: GOOD CONDITION

Homogeneous Application: M-13 PLM/DS Result:1-3% TOTAL ASBESTOS EM Result (If Applicable)

Sample Number: 018061

Sample Description: 2'X4' CEILING TILE
Location: SHOWCASE CARDS, SAMPLE COLLECTED IN BACK ROOM IN OFFICE

Comments: CEMENTITIOUS, FRIABLE

Homogeneous Application: M-05 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018062

Sample Description: 1'X1' WHITE/BEIGE FLOOR TILE
Location: COACH HOUSE GIFT, SAMPLE COLLECTED IN BACK ROOM AT EMERGENCY EIXT

Comments: GOOD CONDITION

Homogeneous Application: M-12 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018063

Sample Description: 1'X1' WHITE/BEIGE FLOOR TILE
Location: COACH HOUSE GIFT, SAMPLE COLLECTED IN BACK ROOM IN BATHROOM

Comments: GOOD CONDITION

Homogeneous Application: M-12 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Samples maintained for 60 days or longer at Client's request

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X90046-01

Project Title: LAGUNA HILLS MALL Date Collected: 9/16/89

Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

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Sample Number: 018068

Sample Description: 1'X1' YELLOW FLOOR TILE
Location: RUSSO'S PETS, SAMPLE COLLECTED FROM ENTRANCE TO BACK ROOM

Comments: GOOD CONDITION

Homogeneous Application: M-12 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018069

Sample Description: 1'X1' GRAY FLOOR TILE
Location: D.J.'S FASHION FOR MEN, SAMPLE COLLECTED FROM BACK ROOM ELECTRICAL ROOM

Comments: GOOD CONDITION

Homogeneous Application: M-02 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018070

Sample Description: TEXTURED SPRAY-ON CEILING MATERIAL
Location: MALINGS SHOES, SAMPLE COLLECTED IN MANAGER'S OFFICE ABOVE DESK

Comments: FRIABLE

Homogeneous Application: S-01 PLM/DS Result:1-5% TOTAL ASBESTOS EM Result (If Applicable)

Sample Number: 018071

Sample Description: TEXTURED SPRAY-ON CEILING MATERIAL
Location: SHOE EMPORIUM, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: FRIABLE

Homogeneous Application: S-01 PLM/DS Result:1-5% TOTAL ASBESTOS EM Result (If Applicable)

Samples maintained for 60 days or longer at Client's request

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X90046-01

Project Title: LAGUNA HILLS MALL Date Collected: 9/16/89

Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

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Sample Number: 018072

Sample Description: TEXTURED SPRAY-ON CEILING MATERIAL
Location: RONDA JEWELERS, SAMPLE COLLECTED ABOVE MAIN ENTRANCE DOOR

Comments: HIGH FRIABILITY

Homogeneous Application: S-01 PLM/DS Result:1-5% TOTAL ASBESTOS EM Result (If Applicable)

Sample Number: 018073

Sample Description: TEXTURED SPRAY-ON CEILING MATERIAL
Location: MALING'S SHOE, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: HIGH FRIABILITY

Homogeneous Application: S-01 PLM/DS Result:1-3% TOTAL ASBESTOS EM Result (If Applicable)

Sample Number: 018074

Sample Description: TEXTURED SPRAY-ON CEILING MATERIAL
Location: SHOE EMPORIUM, SAMPLE COLLECTED IN SOUTHWEST CORNER OF STORE

Comments: FRIABLE

Homogeneous Application: S-01 PLM/DS Result:1-3% TOTAL ASBESTOS EM Result (If Applicable)

Sample Number: 018075

Sample Description: TEXTURED SPRAY-ON CEILING MATERIAL
Location: SHOE EMPORIUM, SAMPLE COLLECTED IN NORTHEAST CORNER OF STORE

Comments: FRIABLE

Homogeneous Application: S-01 PLM/DS Result:1-5% TOTAL ASBESTOS EM Result (If Applicable)

Samples maintained for 60 days or longer at Client's request

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X90046-01

Project Title: LAGUNA HILLS MALL Date Collected: 9/16/89

Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

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Sample Number: 018076

Sample Description: TEXTURED SPRAY-ON CEILING MATERIAL
Location: RONDA'S JEWELERS, SAMPLE COLLECTED ABOVE ENTRANCE DOOR TO BACK ROOM

Comments: HIGHLY FRIABLE

Homogeneous Application: S-01 PLM/DS Result:1-5% TOTAL ASBESTOS EM Result (If Applicable)

Sample Number: 018077

Sample Description: TEXTURED SPRAY-ON CEILING MATERIAL
Location: RONDA'S JEWELERS, SAMPLE COLLECTED IN NORTHEAST CORNER OF STORE

Comments: HIGHLY FRIABLE

Homogeneous Application: S-01 PLM/DS Result:1-3% TOTAL ASBESTOS EM Result (If Applicable)

Sample Number: 018078

Sample Description: 2'X4' CEILING TILE
Location: LITTLE FOLKS, SAMPLE COLLECTED IN BACK ROOM ABOVE MANAGER'S DESK

Comments: CEMENTITIOUS

Homogeneous Application: M-05 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018079

Sample Description: 1'X1' SPLINE CEILING
Location: WALDEN BOOKS, SAMPLE COLLECTED IN BACK ROOM ABOVE MANAGER'S DESK

Comments: GRAY, PAPER-LIKE

Homogeneous Application: M-15 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

CERTIFIED ENGINEERING & TESTING COMPANY, INC. FIELD SAMPLING SHEET Project Number: X90046-01

Project Title: LAGUNA HILLS MALL Date Collected: 9/16/89

Date In Lab: 9/19/89 Sampling Technician: FRANK RODRIGUES

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Sample Number: 018080

Sample Description: 1'X1' GRAY SPLINE CEILING TILE
Location: WALDEN BOOKS, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: PAPER-LIKE

Homogeneous Application: M-15 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018081

Sample Description: 1'X1' GRAY SPLINE CEILING TILE
Location: MILLER OUTPOST, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: PAPER-LIKE

Homogeneous Application: M-15 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018082

Sample Description: 1'X1' GRAY SPLINE CEILING TILE
Location: MILLER OUTPOST, SAMPLE COLLECTED IN SOUTHWEST CORNER

Comments: PAPER-LIKE

Homogeneous Application: M-15 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Sample Number: 018083

Sample Description: 1'X1' GRAY SPLINE CEILING TILE
Location: SAM GOODY'S MUSIC STORE, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM

Comments: PAPER-LIKE

Homogeneous Application: M-15 PLM/DS Result:NO ASBESTOS DETECTED EM Result (If Applicable)

Samples maintained for 60 days or longer at Client's request

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/15/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018005

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018006

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018007

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC.

BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/15/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018008

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
P&W	PC	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018009

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
W	PC	Y	N	Y	CEL FG CHR	

Layer 1
% Asbestos: 1-3%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE 1-3% TOTAL ASBESTOS

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018010

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
W	PC	Y	N	Y	CEL FG CHR	

Layer 1
% Asbestos: TRACE
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE <1% TOTAL ASBESTOS

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/15/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018011

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
W	PC	Y	N	Y	CEL FG CHR	

Layer 1
% Asbestos: 1-3%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE 1-3% TOTAL ASBESTOS

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018012

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
W	PC	Y	N	Y	CEL FG CHR	

Layer 1
% Asbestos: 1-3%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE 1-3% TOTAL ASBESTOS

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018013

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
G	C	Y	N	Y	CEL FG CHR	

Layer 1
% Asbestos: 65-70%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE 65-70% TOTAL ASBESTOS

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/15/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018014

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
GRY	C	Y	N	Y	CEL FG CHR	

Layer 1
% Asbestos: 65-70%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE 65-70% TOTAL ASBESTOS

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018015

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
G	C	Y	N	Y	CEL FG CHR	

Layer 1
% Asbestos: 50-55%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE 50-55% TOTAL ASBESTOS

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018016

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018017

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018018

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&P	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018019

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
BR	PC	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018020

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
OR	PC	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018021

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
W&T	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018022

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W&BL	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018023

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
W&T	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018024

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
BR&W	F	Y	N	Y	CEL	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018025

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
BR&W	F	Y	N	Y	CEL	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018026

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
BR&W	F	Y	N	Y	CEL	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018027

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
BR&W	F	Y	N	Y	CEL	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018028

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
BR&W	F	Y	N	Y	CEL	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018029

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
BR	PC	Y	N	Y	CEL	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018030

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
BR	PC	Y	N	Y	CEL	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018031

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
W	PC	Y	N	Y	CEL	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018032

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
W	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018033

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
W&T	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018034

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&OR	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018035

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W&OR	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018036

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W&OR	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018037

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W&OR	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018038

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
N&T	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018039

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018040

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018041

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W	F	Y	N	Y	FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018042

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W	F	Y	N	Y	FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018043

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W	F	Y	N	Y	FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018044

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W	F	Y	N	Y	FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018045

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W	F	Y	N	Y	FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018046

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W	F	Y	N	Y	FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018047

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W	F	Y	N	Y	FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

---

Sample Number: 018048

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
BL&W	F	Y	N	Y	FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC.

BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018049

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
BL&W	F	Y	N	Y	FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

---

Sample Number: 018050

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
BL&W	F	Y	N	Y	FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

---

Sample Number: 018051

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
W	PC	Y	N	Y	CEL	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

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Sample Number: 018052

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
W&T	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018053

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
BR	PC	Y	N	Y	CEL FG CHR	

Layer 1
% Asbestos: TRACE
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE <1% TOTAL ASBESTOS

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018054

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T	F	Y	N	Y	CEL	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018055

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
W&T	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018056

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
R	PC	Y	N	Y	CEL CHR	

Layer 1
% Asbestos: TRACE
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE <1% TOTAL ASBESTOS

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018057

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
R	PC	Y	N	Y	CEL CHR	

Layer 1
% Asbestos: 1-3%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE 1-3% TOTAL ASBESTOS

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018058

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
R	PC	Y	N	Y	CEL CHR	

Layer 1
% Asbestos: TRACE
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE <1% TOTAL ASBESTOS

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018059

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
G	PC	Y	N	Y	CEL CHR	

Layer 1
% Asbestos: 1-3%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE 1-3% TOTAL ASBESTOS

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018060

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
G&BL	PC	Y	N	Y	CEL CHR	

Layer 1
% Asbestos: 1-3%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE 1-3% TOTAL ASBESTOS

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018061

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&W	F	Y	N	Y	CEL FG	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
N It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018062

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&P	PC	Y	N	Y	CEL	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018063

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T&P	PC	Y	N	Y	CEL	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018064

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
G	PC	N	Y	Y	CEL FG	CEL

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:0%
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018065

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
G	PC	N	Y	Y	CEL FG	CEL

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:0%
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

---

Sample Number: 018066

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
G	PC	N	Y	Y	CEL FG	CEL

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:0%
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018067

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
OR	PC	Y	N	Y	CEL	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018068

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
Y	PC	Y	N	Y	CEL	

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018069

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
G&T	PC&F	N	N	Y	CEL	CEL

Layer 1
% Asbestos: 0%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE NO ASBESTOS DETECTED

MATRIX MATERIAL(S):

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Please see Key for explanation of codes

CERTIFIED ENGINEERING & TESTING COMPANY, INC. BULK ASBESTOS SAMPLE REPORT

Project Number: X90046-01

Date Analyzed: 9/20/89 Analyst: NOEL EVERET REID Signature: Noel Everet Reid

Sample Number: 018070

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T	F	Y	N	Y	CEL FG CHR	

Layer 1
% Asbestos: 1-5%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE 1-5% TOTAL ASBESTOS

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018071

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T	F	Y	N	Y	CEL FG CHR	

Layer 1
% Asbestos: 1-5%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE 1-5% TOTAL ASBESTOS

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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Sample Number: 018072

Sample Color	Texture/ Composition	Homogeneous Sample?	Layers Analyzed Separately?	Fibers Present?	Fiber Identification Layer 1:	Fiber Identification Layer 2:
T	F	Y	N	Y	CEL FG CHR	

Layer 1
% Asbestos: 1-5%
% Other Fibers:

Layer 2
% Asbestos:
% Other Fibers:

TOTAL ACM IN SAMPLE 1-5% TOTAL ASBESTOS

MATRIX MATERIAL(S): POLYSTYRENE

Lab Comments:

N Analysis of this material meets the requirements of the Interim Method for the Analysis of Bulk Asbestos Insulation
Y This analysis is an exception to the Interim Method for the Analysis of Bulk Asbestos Insulation. However, it is the Analyst's professional opinion that the results are accurate.
Y It is the professional opinion of the Analyst that this analysis should be confirmed by Electron Microscopy

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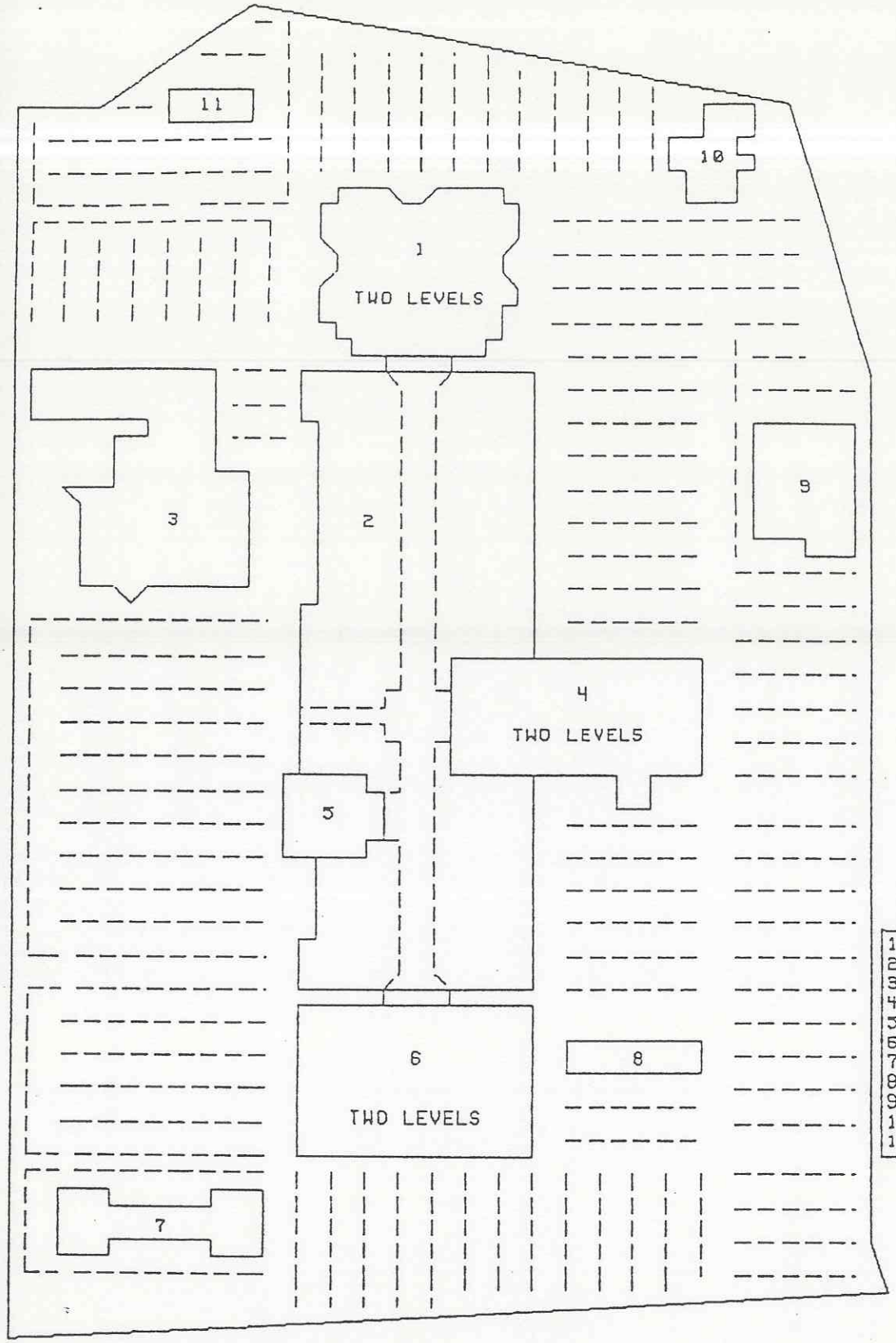
Please see Key for explanation of codes

ADDENDUM B

SITE PLAN



1. BROADWAY
2. TENANT BUILDING
3. LAGUNA HILLS CTR
4. J.C. PENNY
5. BUFFUETS
6. SEARS
7. SEARS
8. SEARS OUTDOOR SALES
9. FIRESTONE
10.
11. BROADWAY

NOTE: DRAWING NOT TO SCALE

PROJECT NAME: LAGUNA HILLS MALL

PROJECT NUMBER: X90046-01

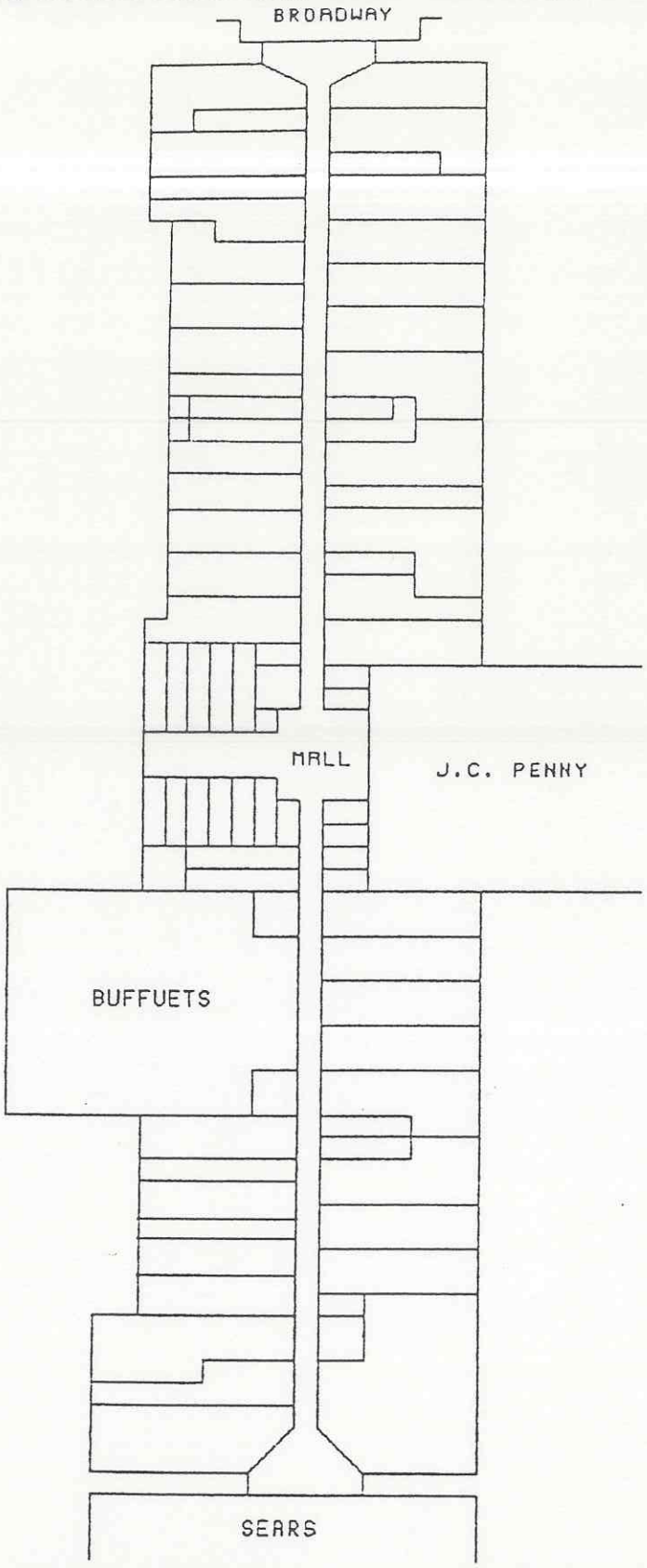
INSPECTOR: FRANCISCO J. RODRIGUES

INSPECTION DATE: 9/14, 9/16, 9/17/89

CERTIFIED ENGINEERING & TESTING COMPANY, INC.

2870 BUSINESS CTR. DRIVE
IRVINE, CALIFORNIA
92715

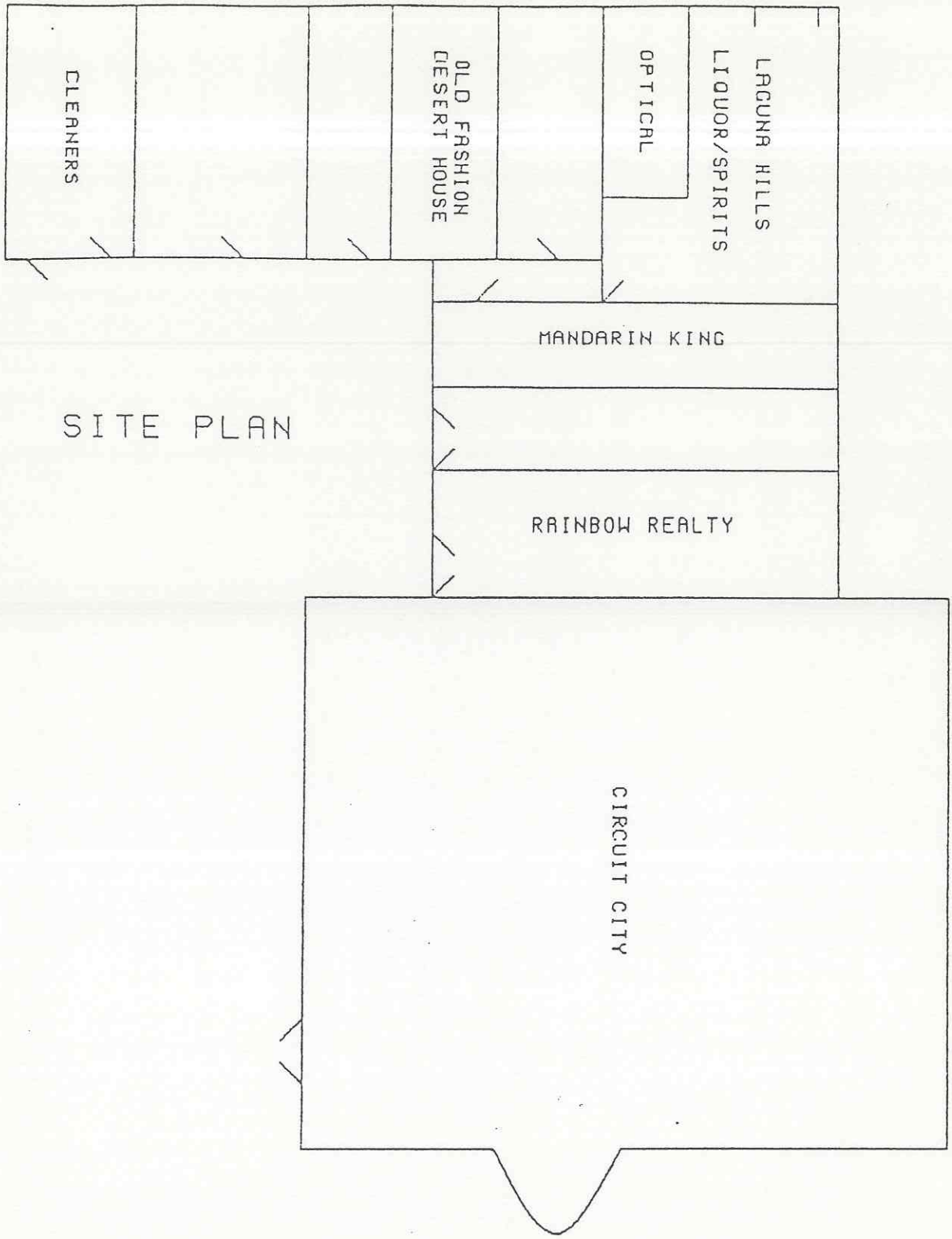
DRAFTED BY PAULA SHEA



SITE PLAN

NOTE: DRAWING NOT TO SCALE

PROJECT NAME: LAGUNA HILLS MALL	CERTIFIED ENGINEERING & TESTING COMPANY, INC.	DRAFTED BY PAULA SHEA
PROJECT NUMBER: X80046-01	2070 BUSINESS CTR. DRIVE IRVINE, CALIFORNIA 92715	
INSPECTOR: FRANCISCO J. RODRIGUES		
INSPECTION DATE: 9/14,9/16,9/17/89		



NOTE: DRAWING NOT TO SCALE

PROJECT NAME: LAGUNA HILLS SHOPPING CTR	CERTIFIED ENGINEERING & TESTING COMPANY, INC.	DRAFTED BY PAULA SHEA
PROJECT NUMBER: X90046-01	2070 BUSINESS CTR. DRIVE IRVINE, CALIFORNIA 92715	
INSPECTOR: FRANCISCO J. RODRIGUES		
INSPECTION DATE: 9/14, 9/16, 9/17/89		

ADDENDUM C

CERTIFIED ENGINEERING & TESTING COMPANY, INC.

ASBESTOS SURVEY
FIELD CHECKLIST
STANDARD FINANCIAL

I. MECHANICAL & THERMAL INSULATION

A. Boilers & Heating Systems

1. Boilers

   a. Jacket

   b. Breaching (Flue or Exhaust Pipe)

2. Steam Lines with fittings, e.g. elbows, tee's, valves, etc.

3. Condensate Return Lines with fittings, e.g. elbows, tee's, valves, etc.

4. Fittings, e.g. elbows, tee's, valves, etc. without straight runs of pipe. Sample separately.

5. Reheat Unit (Typically above Ceiling)

6. Floor Fan Housing

7. Flex Connectors (Vibration Isolation Cloth)

8. Tank Insulation

9. Duct Insulation

   a. Inside

   b. Outside

10. Heat Exchanger

B. HVAC Systems

1. Chiller Unit

2. Water Lines

3. Cooling Tower

4. Cooling Tower Packing

C. Water Systems

1. Domestic Water Supply Lines

2. Drain Lines

a. Roof

b. Miscellaneous Equipment

II. BUILDING MATERIAL

A. Inside

1. Spray-on Fireproofing

a. Deck

b. Structural Steel

c. Concrete

2. Textured Ceiling Material

3. Ceiling Tile

a. Lay-in

b. Spline

4. Plaster Ceiling Material

5. Spray Acoustical Ceiling

6. Textured Wall Material

7. Plaster Walls

8. Transite Walls

9. Wall Board

ADDENDUM D

Laguna Hills Mall and Laguna Hills Shopping Center
PHOTO LOG

1. Transite wall board; all Mall exit corridors and tenant receiving corridors, (M-03)

2. Transite wall board; all Mall exit corridors and tenant receiving corridors, (M-03)

3. 2′ x 2′ gray suspended ceiling tile; management offices, Petres, Contempo Casuals, Kinney Shoes, Brooks, Tilt, Orange Julius, General Nutrition, (M-01)

4. 2′ x 2′ gray suspended ceiling tile; management offices, Petres, Contempo Casuals, Kinney Shoes, Brooks, Tilt, Orange Julius, General Nutrition, (M-01)

5. Textured sprayed-on ceiling material; Ronda Jewelers, Maling Shoes Shoe Emporium, common areas, (S-01)

6. Textured sprayed-on ceiling material; Ronda Jewelers, Maling Shoes Shoe Emporium, common areas, (S-01)

7. 2′ x 2′ gray suspended ceiling tile; Jay Jacobs, Socks Du Jour, Hiland Tobacco, The Limited, Sheila's, Footlocker, Weisfield's Jewelers, Pinch or Pound, Florsheim Shoes, Heidi's Frozen Yozurt, T.J.'s Cinnamons Bakery, Gloria Jean's Coffee Beans, Zale's Jeweler Round Table Pizza, Chic Accessories, DJ's Fashion Center For Men, Russo's Pets, Coach House Gifts, Showcase Cards, Leed Shoes, Outfitters, Radio Shack, P.S. Plus Sizes, (M-10)

8. 1′ x 1′ floor tile; Kinney Shoes, Lens Crafters, Naturalizer West Lechter's, Jay Jacobs, Cutlery World, DJ's Fashion Center For Men, (M-02)

9. 1′ x 1′ floor tile; Little Folks Shop, Jackie's, Wet Seal, Sheila's Millers Outpost, Outfitters, Coach House Gifts, Russo's Pets, (M-12)

10. 2′ x 4′ suspended ceiling tile; Windsor's, Kay Bee Toy and Hobby, Brooks, Lens Crafters, Lechter's, Kit's Camera, Little Folks Shop, Wet Seal, Millers Outpost, Picturemat, Sandwich Express, Showcase Cards, CVS Drugs, (M-05)

Laguna Hills Mall and Laguna Hills Shopping Center
PHOTO LOG
(con't.)

11. 9" x 9" floor tile; Leed's Shoe, Showcase Cards, (M-13)

12. Textured sprayed-on ceiling material; Ronda Jewelers, Maling Shoes Shoe Emporium, common areas, (S-01)

13. Textured sprayed-on ceiling material; Ronda Jewelers, Maling Shoes Shoe Emporium, common areas, (S-01)

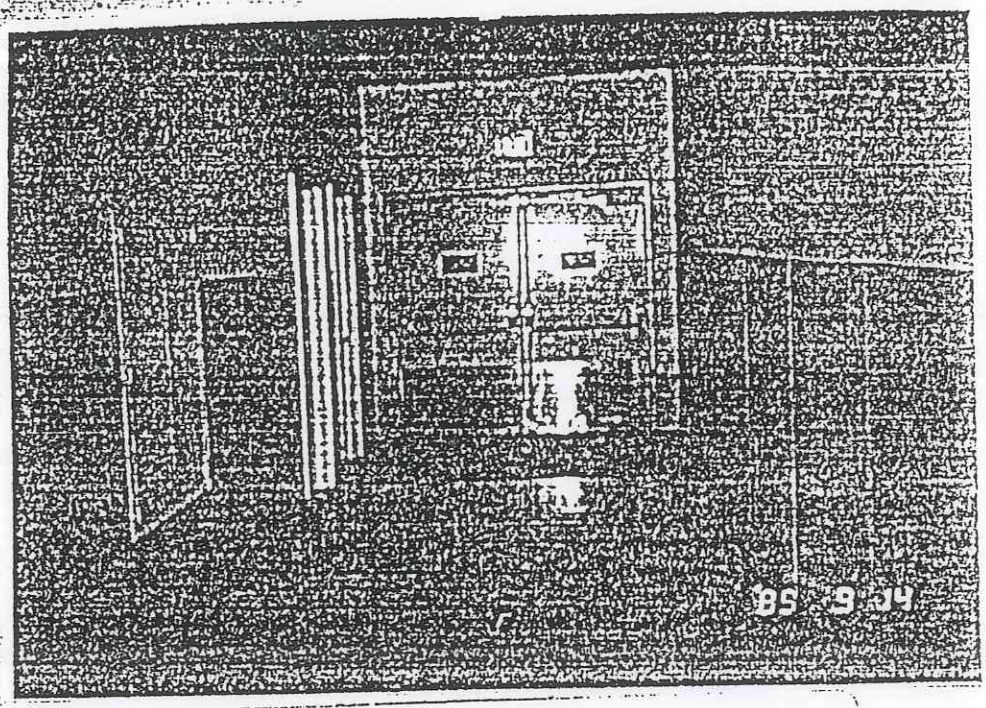
14. 1' x 1' floor tile; Kinney Shoes, Lens Crafters, Naturalizer West Lechter's, Jay Jacobs, Cutlery World, DJ's Fashion Center For Men, (M-02)

15. 2' x 2' gray suspended ceiling tile; Jay Jacobs, Socks Du Jour, Hiland Tobacco, The Limited, Sheila's, Footlocker, Weisfield's Jewelers, Pinch or Pound, Florsheim Shoes, Heidi's Frozen Yozurt, T.J.'s Cinnamons Bakery, Gloria Jean's Coffee Beans, Zale's Jeweler Round Table Pizza, Chic Accessories, DJ's Fashion Center For Men, Russo's Pets, Coach House Gifts, Showcase Cards, Leed Shoes, Outfitters, Radio Shack, P.S. Plus Sizes, (M-10)

16. Textured sprayed-on ceiling material; Ronda Jewelers, Maling Shoes Shoe Emporium, common areas, (S-01)

17. 1' x 1' gray spline ceiling tile; Millers Outpost, Walden Books, The Sweat and Surf Shop, Rieder's Hallmark, Sam Goody's Musicland Hairstyling Co., Thom McAn, Foxmoor Casuals, Limited Express, Motherhood Maternity, Carl's Jr., Cutlery World, (M-15)

18. 1' x 1' floor tile; Kinney Shoes, Lens Crafters, Naturalizer West Lechter's, Jay Jacobs, Cutlery World, DJ's Fashion Center For Men, (M-02)



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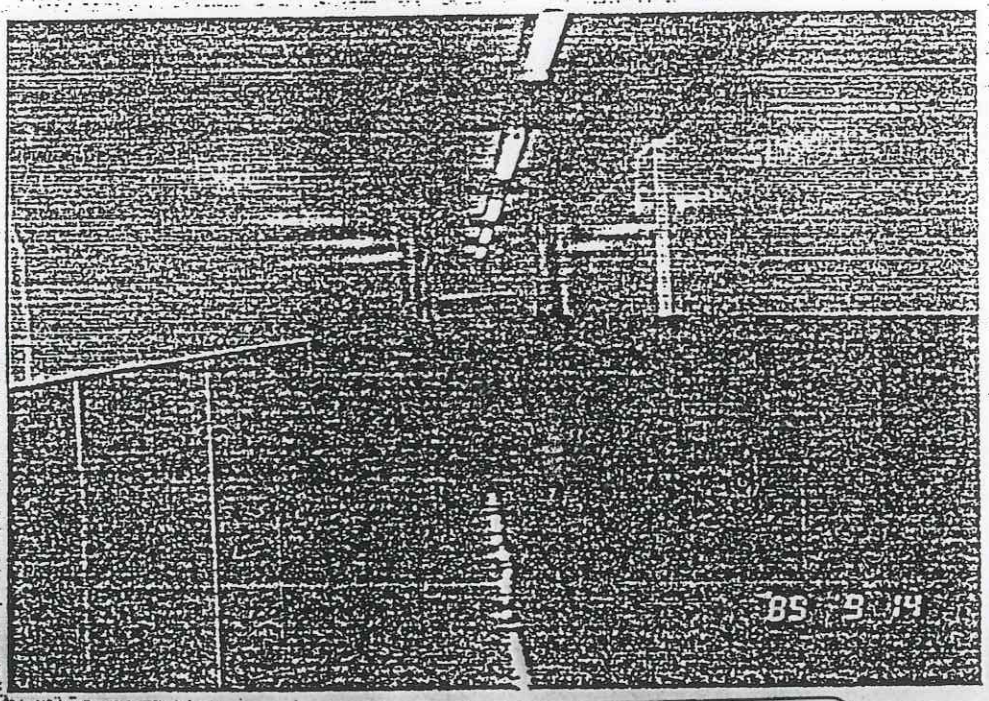

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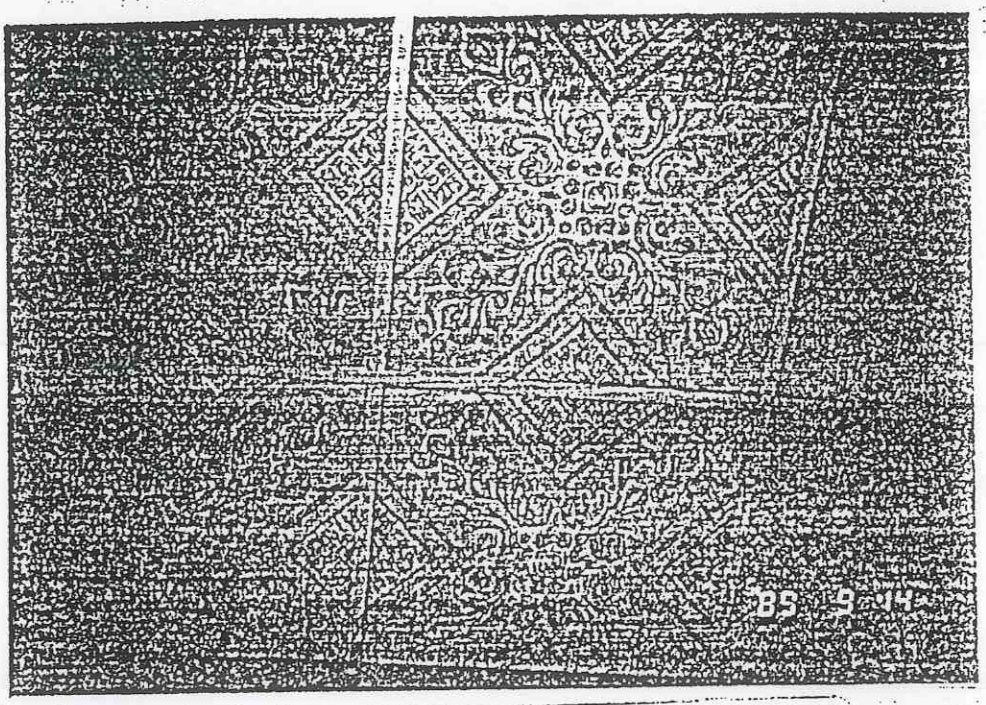

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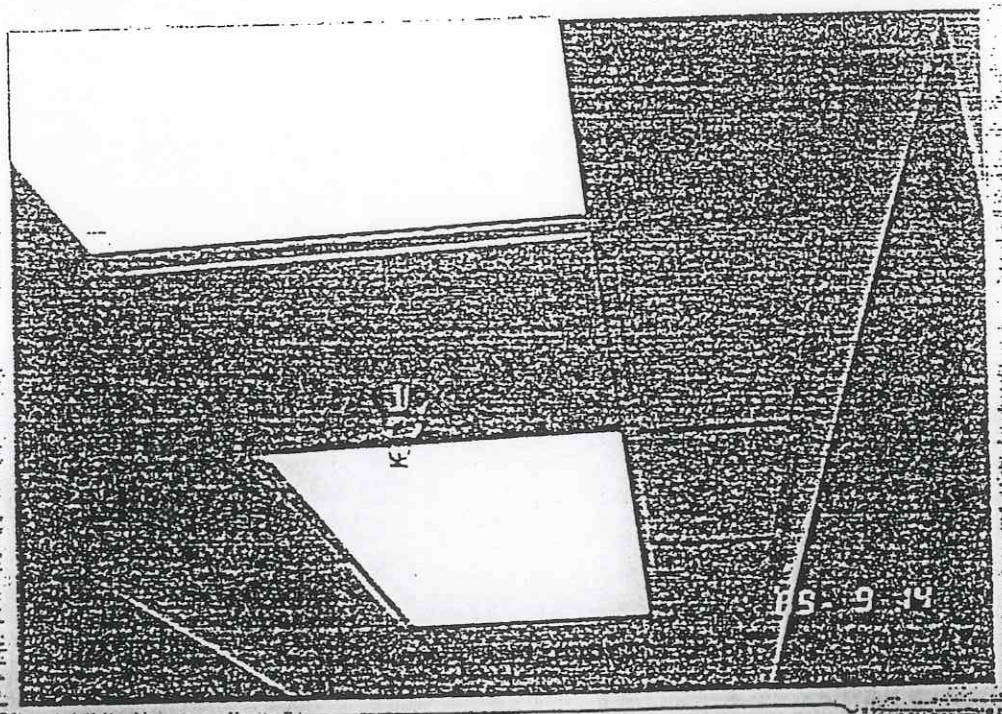

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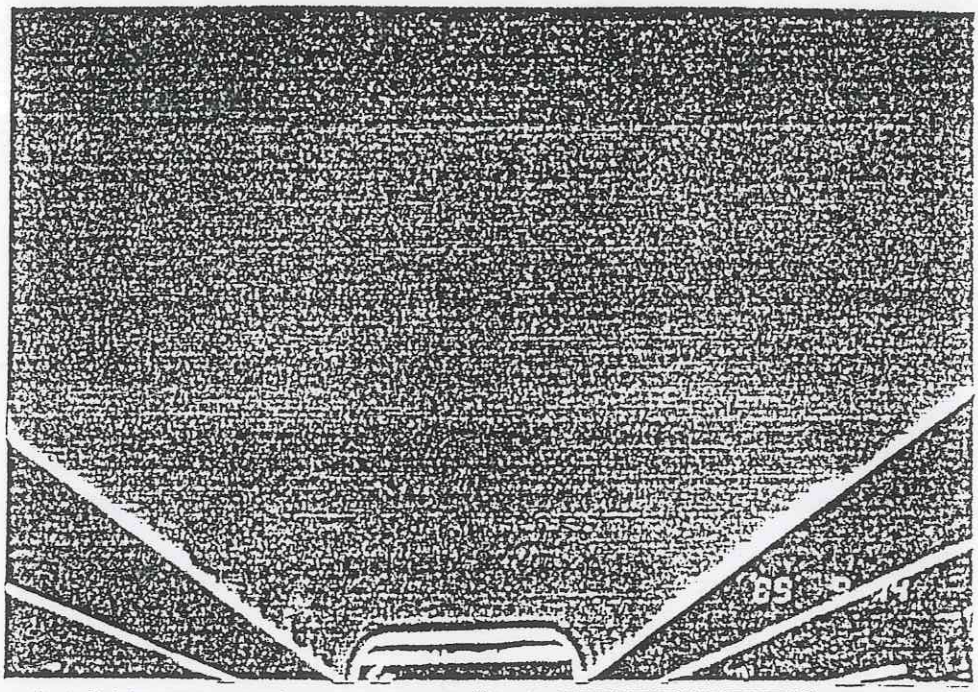

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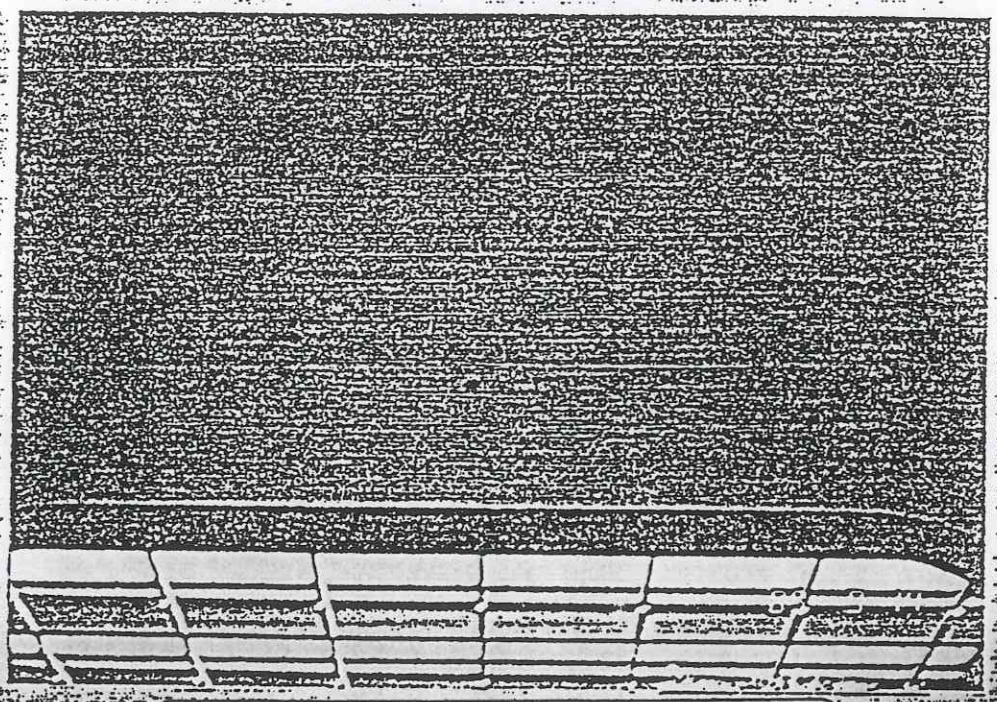

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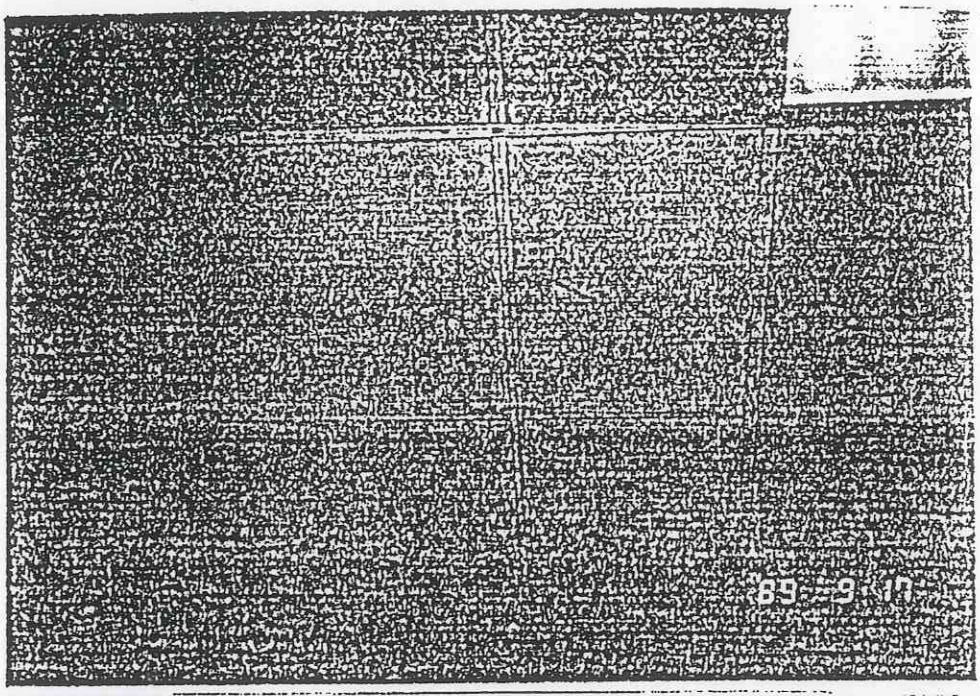

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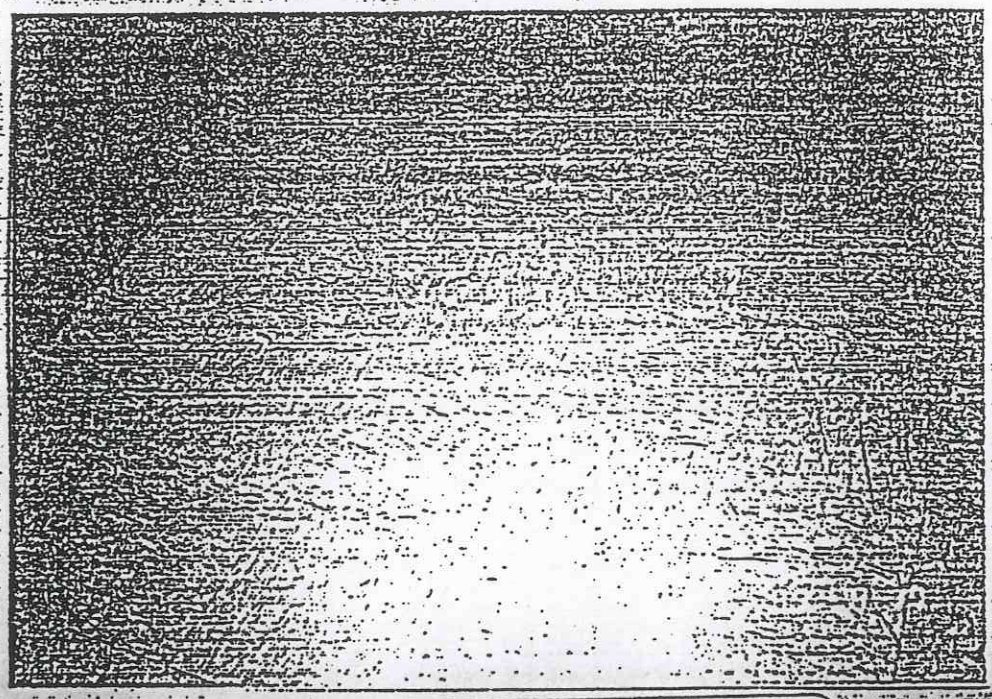

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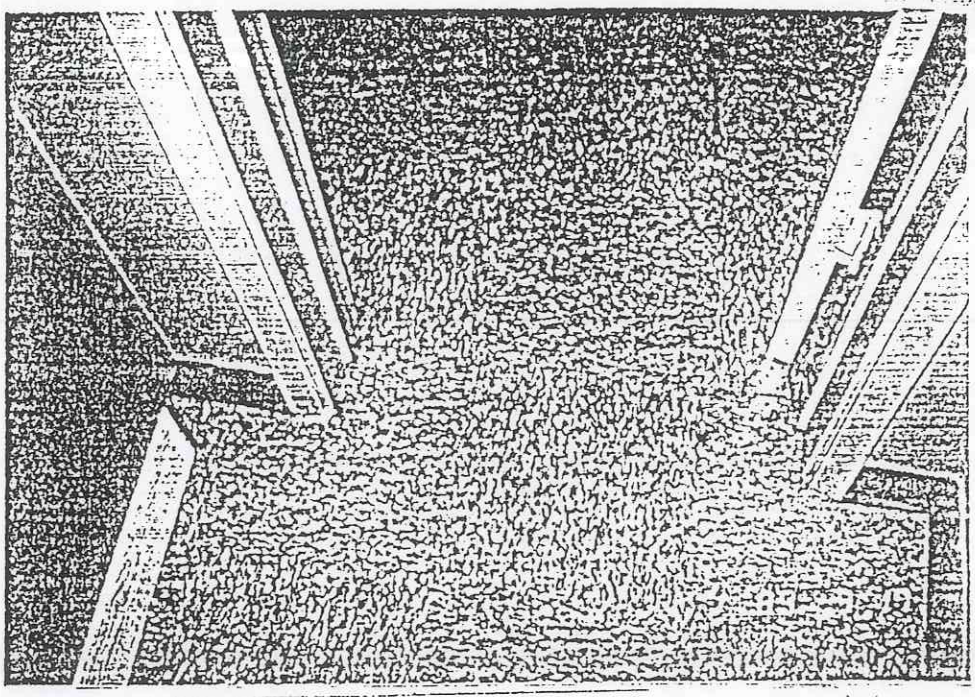

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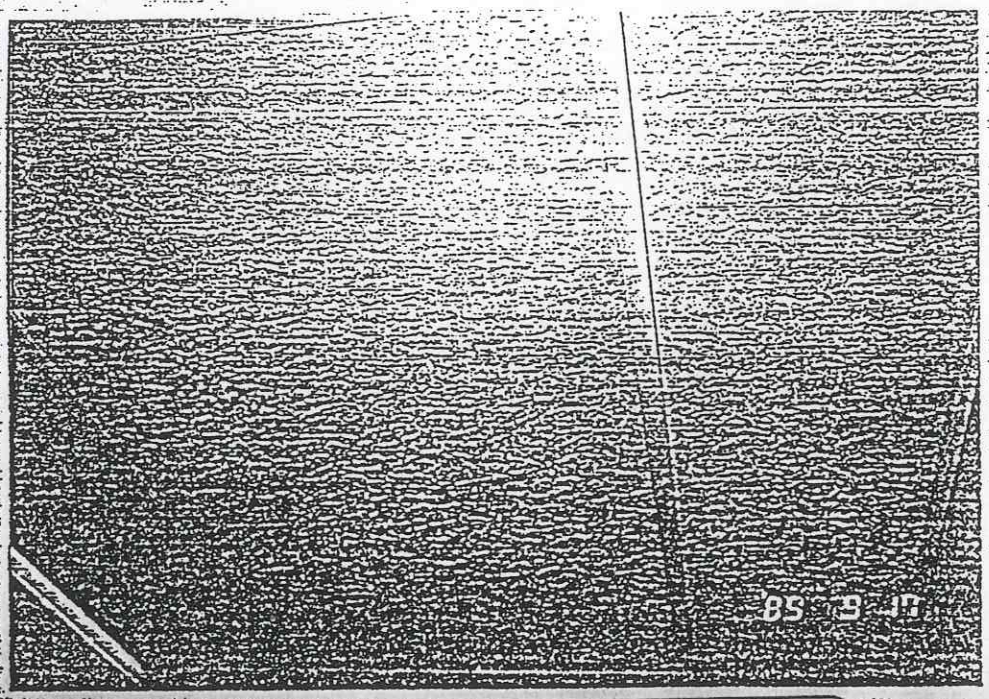

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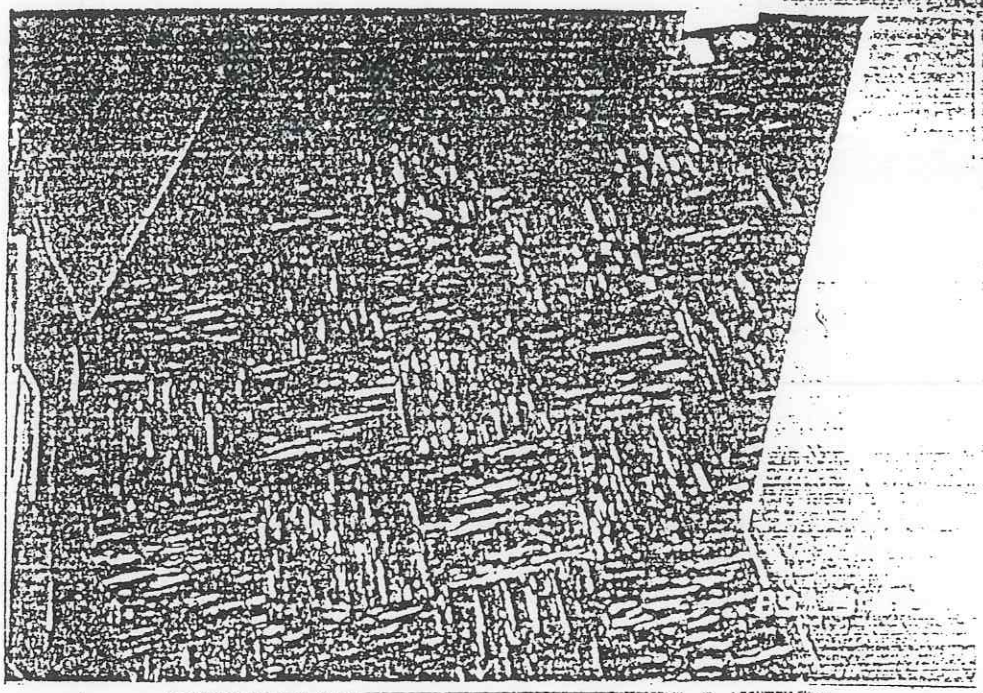

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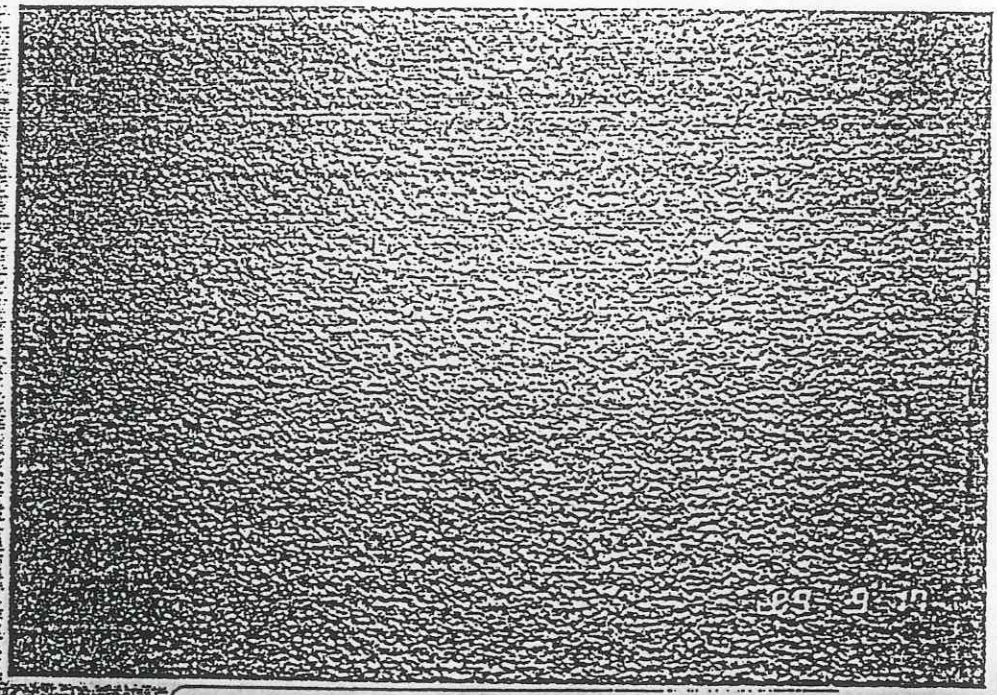

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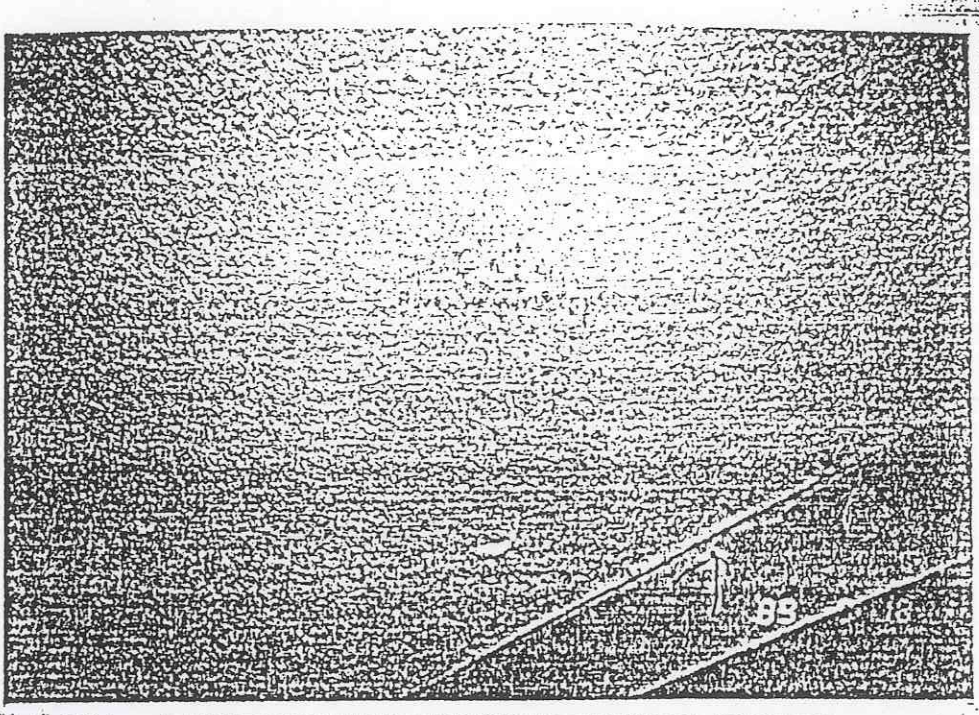

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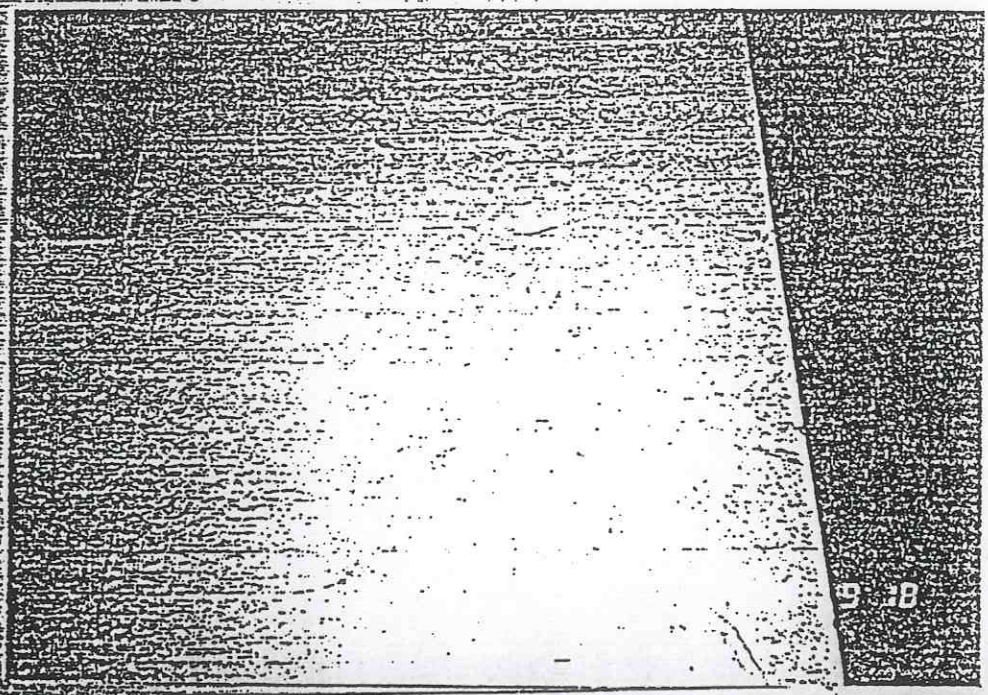

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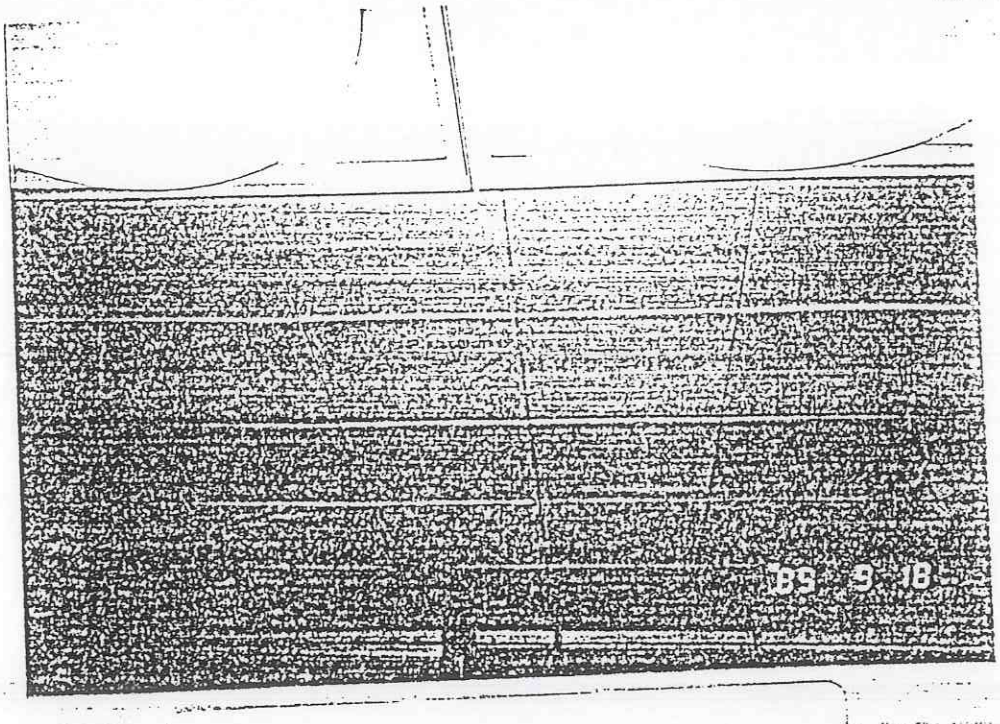

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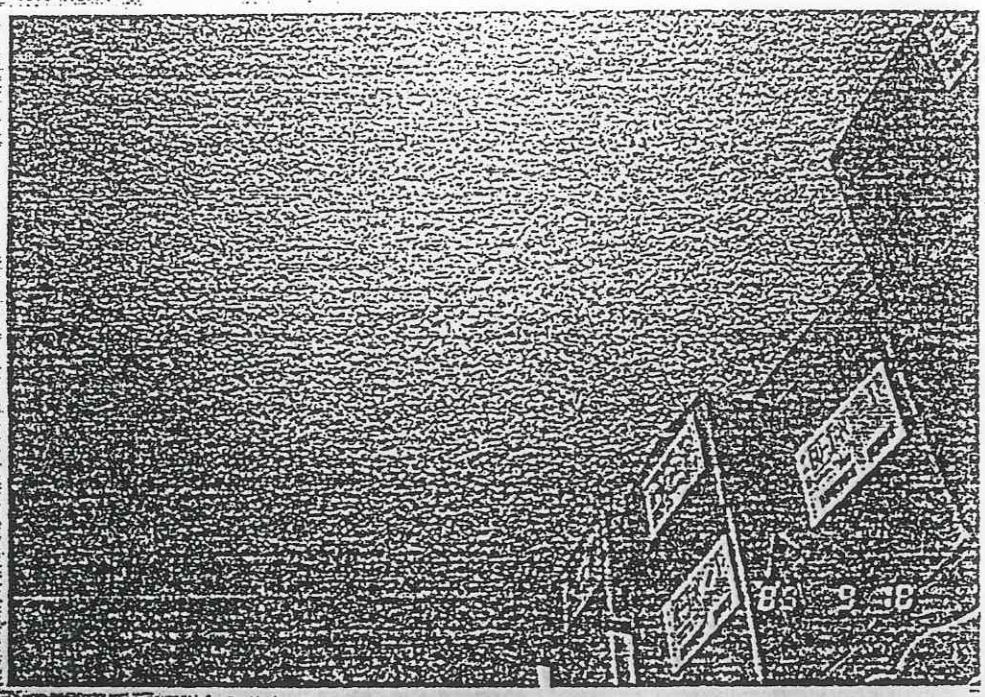

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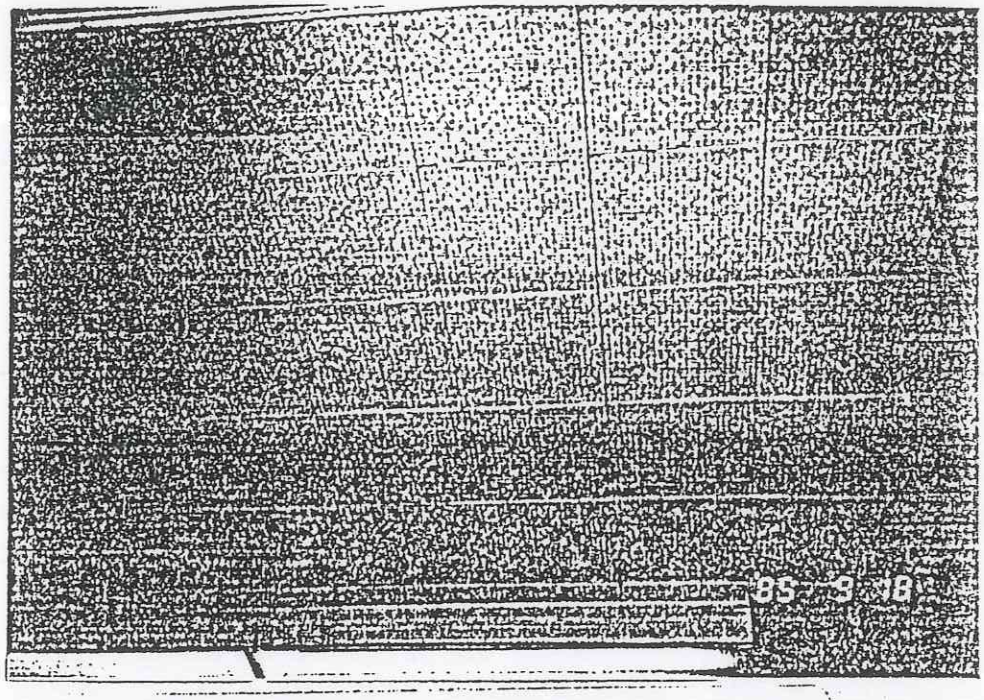

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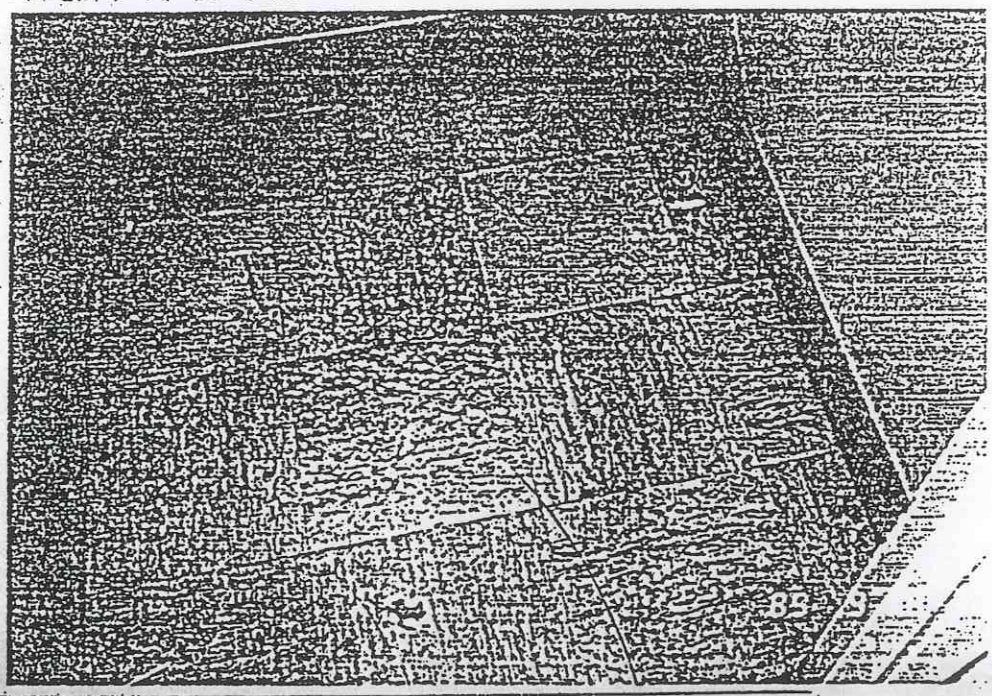

18.

ADDENDUM E

DEFINITIONS

Accessible material - any material access to which can be gained by any means other than significant destruction of building components, or, for the purposes of describing building occupant activities, a material subject to disturbance by routine use or maintenance activities.

Asbestos - the general name given to a number of naturally occurring hydrated mineral silicates each of which possesses a specific crystalline structure, is incombustible in air, and is separable into fibers. Asbestos includes the asbestiform varieties of Chrysotile (serpentine), Crocidolite (riebeckite), Amosite (cummingtonite-grunerite), Anthophyllite, and Actinolite.

Asbestos-Containing Material (ACM) - any material or product which contains asbestos.

Asbestos debris - pieces of material which can reasonably be identified by color, texture or composition as being traceable to a known asbestos-containing application. May mean dust, if the dust is determined by analysis to be ACM.

Bulk samples - samples of bulk material; in the case of asbestos, suspect asbestos-containing material.

Chain-of-custody - formal procedures for tracking samples and ensuring their integrity.

Chatfield "Standard Operating Procedure" - a sample preparation procedure for materials other than friable insulation in which, by means of acid digestion and ashing, it is possible to separate asbestos fibers from hard-to-analyze matrices. This preparation technique is used most often in conjunction with Electron Microscopy (EM) and is considered state-of-the-art for materials such as floor tile, plaster and textured ceiling material.

Encapsulation - treatment of ACM with a material that surrounds or embeds asbestos fibers in an adhesive or cementitious matrix to inhibit the release of fibers. The encapsulant creates a membrane over the surface of the material (bridging encapsulant) or penetrates the material or binds its components together (penetrating encapsulant).

Enclosure - an airtight, impermeable, permanent barrier around ACM to prevent the release of asbestos fibers into the air.

EPA - United States Environmental Protection Agency.

Fair - as used to describe material condition, damage is more prevalent or severe than on materials rated as good.

Fiber release episode - any uncontrolled or unintentional disturbance of ACM resulting in airborne asbestos fiber emission.

Friability - the physical characteristic of any solid that describes its ability to be broken down to a powder of dust. A highly friable material is one that can be easily crumbled by hand pressure. A moderately friable material is one that can be crumbled with some difficulty by hand pressure or by mechanical means. A low friability material is one that may require mechanical means to crumble. While the condition of a material does not constitute a measure of its friability, weathering and deterioration can increase the friability of a material.

Glovebag - a plastic enclosure with built-in gloves which is placed with an airtight seal around asbestos-containing pipe lagging or other materials such that they may be removed or repaired without generating airborne fibers.

Good - as used in the context of material condition, integrity of the material is generally complete, with possible small areas of delamination or indications of limited contact or water damage. The mechanism to retain the insulation in its original position (e.g. cloth wrapping over pipe insulation) is still present.

Heating Ventilation and Air Conditioning (HVAC) system - the system of pipes, ducts, and equipment, (air conditioners, chillers, heaters, boilers, pumps, fans) used to heat, cool and filter air and move it through a building. The HVAC system is one of several mechanical systems found in most buildings.

High-Efficiency Particulate Air (HEPA) filter - a filtering system capable of trapping and retaining at least 99.97 percent of all particles 0.3 micrometers in diameter or larger.

Homogeneous application - an application of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color, texture, and vintage of application.

Lock-down - application of a sealing material to ensure that any residual microscopic fibers remaining following asbestos removal are prevented from becoming airborne.

Mechanical system - a building component system: can include the plumbing system, elevator system, and others. (see Heating Ventilation and Air Conditioning system. (HVAC)

NIOSH - United States National Institute of Occupational Safety and Health.

Operations and Maintenance (O&M) Program - a program of work practices and training and management procedures designed to maintain ACM in good condition. An O&M Program ensures clean-up of asbestos fibers previously release and prevention of further release by minimizing and controlling ACM disturbance or damage. An O&M Program should be implemented at all buildings with ACM.

Optical microscope - a microscope which uses the transmission of light through lenses to magnify a specimen for examination. Capable of resolution of fibers or other materials down to approximately 0.25 micrometers in diameter.

OSHA - United States Occupational Safety and Health Administration.

Phase Contrast Microscopy (PCM) - an optical microscopic technique used for counting fibers in air samples. PCM does not distinguish between asbestos and non-asbestos fiber types. The PCM method currently recognized is referred to as NIOSH 7400.

Physical assessment - evaluating asbestos-containing material to determine its current condition and potential for future disturbance.

Plenum - a space in a building, other than a duct or shaft, designed to transport air. Plenums are commonly the space between a suspended ceiling and the floor above.

Polarized Light Microscopy (PLM) - an optical microscopic method for the identification of asbestos in bulk samples in which the sample is illuminated with polarized light.

Poor - as used in the context of material condition, material is obviously damaged with evidence of delamination or inadequate adhesion of the material to its substrate.

Quality Assurance (QA) - a process designed to provide confidence that the quality control program is being applied effectively. The process includes an auditing procedure designed to evaluate all known policies and procedures that affect the quality of results.

Response action - any method, including removal, encapsulation, enclosure, repair, or Operations and Maintenance Program that protects human health and the environment from the hazards and effects of ACM.

Scanning Electron Microscopy (SEM) - magnification 450 - 15,000x. Analytical technique used for air and bulk sample analysis. May use Energy Dispersive Spectroscopy (EDS) to positively identify chemical elements present in the sample. Method involves counting fibers (discriminating between fibers less than and greater than 5.0 microns length) in a known surface area of a filter or bulk material.

Specifications - a written set of standards, procedures, and materials for the abatement of asbestos. Includes contract documents detailing the Scope of Work of the project and defining contractor, Building Owner and Consultant responsibilities.

Transite - a trade name for asbestos cement wallboard or pipe.

Transmission Electron Microscopy (TEM) - magnification commonly 1,000 - 25,000x. State-of-the-art analytical method for air and bulk sample analysis. Uses high magnification to identify asbestos fibers. May utilize Energy Dispersive Spectroscopy (EDS) and/or Selected Area Electron Diffraction (SAED) to confirm that a fiber is asbestos and to identify the type of asbestos present. Recommended for ambient air evaluations and final clearance air samples. Also recommended for bulk analysis of samples with difficult-to-analyze matrices (e.g., plaster, vinyl, tile). Provides the most definitive analysis of asbestos currently available.

ADDENDUM F

INDUSTRIAL HYGIENE SERVICE CONSTRAINTS

All professional opinions presented in this report are based on information made available to us either by review of data provided by others or data gathered by Certified Engineering & Testing Company, Inc. (CERTIFIED) personnel.

CERTIFIED affirms that data gathered and presented by CERTIFIED in this report was collected in an appropriate manner in accordance with generally accepted methods and practices. CERTIFIED cannot be responsible for the accuracy of data provided by others.

CERTIFIED is not responsible for analyzed quantities which fall below published standard method detection limits for the method employed. CERTIFIED cannot be responsible for decisions made solely on the basis of economic factors.

Conditions described in this report are as found at the time of investigation, unless otherwise stated.

CERTIFIED analyzed only the substances, conditions and locations described in the report at the time indicated. No inference regarding other substances, conditions, locations or time can be made unless specifically stated in the report.

This report is intended for the use listed in the section of this report described as the Introduction. The use of this report in any other manner than that listed in the Introduction, requires the written consent of CERTIFIED. This report must be presented in its entirety.

LAGUNA HILLS
MALL

Memo

DATE: *February 14, 1996*

TO: *Don Kretz*

FROM: *Jonathan Alpert*

RE: *Asbestos Survey*
Laguna Hills Mall

****

As requested, enclosed please find a copy of the report of the certified Asbestos Survey at the Laguna Hills Mall which was completed in 1989.

Should you have any questions, please feel free to give me a call.

JA/maf

Enclosure

24155 Laguna Hills Mall, Suite 900 • Laguna Hills, CA 92653
714-586-8282 • FAX 714-586-8127

CATHY JEAN (Previously Outfitters)	C-5	1X1 FLOOR TILE	OCCUPIED
PACIFIC SUNWEAR (Previously Coach House)	C-9	1X1 FLOOR TILE	OCCUPIED
RUSSO'S PETS	C-11	1X1 FLOOR TILE	OCCUPIED
LEED'S	C-7	9X9 FLOOR TILE	VACANT
CARLTON CARDS (Previously Showcase Cards)	C-8	9X9 FLOOR TILE	OCCUPIED
RONDA JEWELERS	A-3	SPRAYED-ON CEILING MATERIAL	OCCUPIED
MALING SHOES	C-14	SPRAYED-ON CEILING MATERIAL	VACANT
SHOE EMPORIUM	C-2	SPRAYED-ON CEILING MATERIAL	OCCUPIED VACATE 6/30
CATHY JEANS	C-5	TRANSITE BOARD	vacant.

Buffums

Fire proofing

TABLE 1

Confirmed Asbestos-Containing Materials

Homogeneous Application #	Description	Location	Results	Square/Linear Footage
M-02	1' x 1' Various Colored Floor Tile	Kinney Lens Crafters, Naturalizer West, Lechters, Jay Jacobs, Cutlery World, DJ's Fashion Center For Men	1-3% Total Asbestos	10,000
M-03	Transite Wall Board	All Mall Exit Corridors And Receiving Corridors	65-70% Total Asbestos	4,200
M-12	1' x 1' Various Colored Floor Tile	Little Folks Shop, Jackie's, Wet Seal, Sheila's, Millers Outpost, Outfitters, Coach House Gifts, Russo's Pet	< 1% Total Asbestos	5,000
M-13	9" x 9" Brown and Green Floor Tile	Leed's Shoes, Show-case Cards	1-3% Total Asbestos	800
S-01	Textured Sprayed-on Ceiling Material	Ronda's Jewelers, Maling Shoes, Shoe Emporium, Common Areas	1-5% Total Asbestos	30,000

TABLE 3

Materials Recommended for EM Analysis

Homogeneous Application #	Description	Location	Square/Linear Footage
M-14	Gray Linoleum Floor Covering	Pinch or Pound	600

ADDENDUM A

Project Number: Y90046-01 Project Name: LAGUNA HILLS MALL & SHOPPING CTR

Analyst: NOEL EVERET REID Date Analyzed: 9/15/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-01	2'X2' DROP-IN CEILING TILE MANAGEMENT OFFICE, KITCHEN AREA, SOUTHEAST CORNER OF ROOM ABOVE LATTER	NO ASBESTOS DETECTED	018005
M-01	2'X2' DROP-IN CEILING TILE MANAGEMENT OFFICE, JILL STRIEF'S OFFICE, EAST SIDE ABOVE BACK DOOR	NO ASBESTOS DETECTED	018006
M-01	2'X2' DROP-IN CEILING TILE MANAGEMENT OFFICE, JILL STRIEF'S OFFICE ABOVE DESK	NO ASBESTOS DETECTED	018007
M-02	12"X12" FLOOR TILE MANAGEMENT OFFICES, KITCHEN AREA AT DOOR	NO ASBESTOS DETECTED	018008
M-02	12"X12" FLOOR TILE HALLWAY OF MANAGEMENT OFFICES, SOUTH END AT DOOR TO BATHROOM	1-3% TOTAL ASBESTOS	018009

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL & SHOPPING CTR

Analyst: NOEL EVERET REID Date Analyzed: 9/15/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-02	12"X12" FLOOR TILE HALLWAY OF MANAGEMENT OFFICES, SAMPLE COLLECTED AT DOOR TO SLAVICK'S JEWELER	<1% TOTAL ASBESTOS	018010
M-02	12"X12" FLOOR TILE HALLWAY OF MANAGEMENT OFFICES, SAMPLE COLLECTED HALFWAY DOWN HALL ON EAST SIDE	1-3% TOTAL ASBESTOS	018011
M-02	12"X12" FLOOR TILE HALLWAY OF MANAGEMENT OFFICES, SAMPLE COLLECTED NEAR ENTRANCE DOOR TO HALL ON WEST SIDE	1-3% TOTAL ASBESTOS	018012
M-03	TRANSITE WALLBOARD HALLWAY OF MANAGEMENT OFFICES, SAMPLE COLLECTED FROM 3" HOLE IN WALL ON EAST SIDE NEXT TO BATHROOM	65-70% TOTAL ASBESTOS	018013
M-03	TRANSITE WALLBOARD HALLWAY OF MANAGEMENT OFFICES, SAMPLE COLLECTED FROM WEST WALL NEAR ENTRANCE	65-70% TOTAL ASBESTOS	018014

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL & SHOPPING CTR

Analyst: NOEL EVERET REID Date Analyzed: 9/15/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-03	TRANSITE WALLBOARD HALLWAY OF MANAGEMENT OFFICES, SAMPLE COLLECTED FROM HALFWAY DOWN HALL, EAST WALL	50-55% TOTAL ASBESTOS	018015

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-05	2'X4' CEILING TILE WINDSOR'S, SAMPLE COLLECTED FROM 2ND FLOOR STORAGE ROOM	NO ASBESTOS DETECTED	018016
M-01	2'X4' CEILING TILE BACK ROOM OF CONTEMPO CASUALS, REPLACEMENT TILE	NO ASBESTOS DETECTED	018017
M-01	2'X2' CEILING TILE KINNEY'S SHOE STORE, ABOVE ENTRANCE TO BACK ROOM	NO ASBESTOS DETECTED	018018
M-02	1'X1' WHITE FLOOR TILE BACK ROOM OF KINNEY SHOE STORE	NO ASBESTOS DETECTED	018019
M-02	1'X1' BROWN FLOOR TILE BACK ROOM OF KINNEY SHOE STORE	NO ASBESTOS DETECTED	018020

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-05	2'X4' CEILING TILE STORAGE ROOM OF BROOKS CLOTHING STORE, SAMPLE COLLECTED ABOVE DOOR LEADING INTO STORE	NO ASBESTOS DETECTED	018021
M-05	2'X4' CEILING TILE LENS CRAFTER, SAMPLE COLLECTED IN ELECTRICAL ROOM IN BACK	NO ASBESTOS DETECTED	018022
M-05	2'X4' CEILING TILE LENS CRAFTER, SAMPLE COLLECTED IN WEST CORRIDOR ABOVE MEN'S ROOM DOOR	NO ASBESTOS DETECTED	018023
M-09	2'X2' CEILING TILE PAL'S VACUUM CLEANER REPAIR, SAMPLE COLLECTED IN BACK ROOM	NO ASBESTOS DETECTED	018024
M-09	2'X2' CEILING TILE PAL'S, SAMPLE COLLECTED FROM FLOOR DISPLAY AREA ABOVE DOOR INTO BACK ROOM	NO ASBESTOS DETECTED	018025

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-09	2'X2' CEILING TILE SINGER HOUSE OF FABRIC, SAMPLE COLLECTED FROM NORTHWEST CORNER OF STORE	NO ASBESTOS DETECTED	018026
M-09	2'X2' CEILING TILE SINGER HOUSE OF FABRIC, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	NO ASBESTOS DETECTED	018027
M-09	2'X2' CEILING TILE SINGER HOUSE OF FABRIC, SAMPLE COLLECTED FROM NORTHEAST CORNER	NO ASBESTOS DETECTED	018028
M-02	1'X1' TANISH-GRAY FLOOR TILE NATURALIZER WEST, SAMPLE COLLECTED IN BACK ROOM NEXT TO BATHROOM DOOR	NO ASBESTOS DETECTED	018029
M-02	1'X1' FLOOR TILE NATURALIZER WEST, SAMPLE COLLECTED AT ENTRANCE TO BACK ROOM	NO ASBESTOS DETECTED	018030

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-02	1'X1' WHITE FLOOR TILE LECHTER'S, SAMPLE COLLECTED AT EMERGENCY EXIT	NO ASBESTOS DETECTED	018031
M-01	2'X2' CEILING TILE TILT, SAMPLE COLLECTED IN BACK ROOM NEAR EMERGENCY EXIT ABOVE WORK BENCH AREA	NO ASBESTOS DETECTED	018032
M-01	2'X2' CEILING TILE GENERAL NUTRITION, SAMPLE COLLECTED IN NORTHEAST CORNER	NO ASBESTOS DETECTED	018033
M-10	2'X2' CEILING TILE OUTFITTERS, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	NO ASBESTOS DETECTED	018034
M-10	2'X2' CEILING TILE DJ'S FASHION CENTER FOR MEN, SAMPLE COLLECTED ABOVE DOOR LEADING TO BACK ROOM	NO ASBESTOS DETECTED	018035

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-10	2'X2' CEILING TILE SHOWCASE CARDS, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	NO ASBESTOS DETECTED	018036
M-10	2'X2' CEILING TILE CHIC ACCESSORIES, SAMPLE COLLECTED SOUTHWEST CORNER	NO ASBESTOS DETECTED	018037
M-10	2'X2' CEILING TILE ZALE'S JEWELER, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	NO ASBESTOS DETECTED	018038
M-10	2'X2' CEILING TILE HEIDI'S FROZEN YOZURT, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	NO ASBESTOS DETECTED	018039
M-10	2'X2' CEILING TILE GLORIA JEAN'S COFFEE BEANS, SAMPLE COLLECTED AT ENTRANCE TO BACK ROOM	NO ASBESTOS DETECTED	018040

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-06	1'X1' SPLINE CEILING TILE PENDLETON'S, SAMPLE COLLECTED IN BACK ROOM ABOVE DESK	NO ASBESTOS DETECTED	018041
M-06	1'X1' SPLINE CEILING TILE HELEN GRACE CANDIES, SAMPLE COLLECTED AT ENTRANCE TO BACK ROOM	NO ASBESTOS DETECTED	018042
M-06	1'X1' SPLINE CEILLING TILE LAGUNA HILLS CINEMA, SAMPLE COLLECTED ABOVE DOOR TO TICKET BOOTH	NO ASBESTOS DETECTED	018043
M-06	1'X1' SPLINE CEILLING TILE LAGUNA HILLS CINEMA, SAMPLE COLLECTED ABOVE DOOR TO RESTROOM	NO ASBESTOS DETECTED	018044
M-06	1'X1' SPLINE CEILING TILE EL PORTAL LUGGAGE, SAMPLE COLLECTED NORTHWEST CORNER	NO ASBESTOS DETECTED	018045

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-06	1'X1' SPLINE CEILING TILE ANNIE-SEZ, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	NO ASBESTOS DETECTED	018046
M-06	1'X1' SPLINE CEILING TILE JACKIES, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	NO ASBESTOS DETECTED	018047
M-11	2'X4' CEILING TILE CUTLERY WORLD, SAMPLE COLLECTED IN AREA ABOVE BATHROOM	NO ASBESTOS DETECTED	018048
M-11	2'X4' CEILING TILE CUTLERY WORLD, SAMPLE COLLECTED IN BACK ROOM, SOUTHWEST CORNER	NO ASBESTOS DETECTED	018049
M-11	2'X4' CEILING TILE CUTLERY WORLD, SAMPLE COLLECTED IN BACK ROOM, SOUTHEAST CORNER	NO ASBESTOS DETECTED	018050

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-02	1'X1' WHITE FLOOR TILE P.S. PLUS SIZES, SAMPLE COLLECTED IN BACK ROOM AT BASE OF EMERGENCY EXIT DOOR	NO ASBESTOS DETECTED	018051
M-10	2'X2' GRAY CEILING TILE RADIO SHACK, SAMPLE COLLECTED IN BACK ROOM FROM REPLACEMENT TILE	NO ASBESTOS DETECTED	018052
M-12	1'X1' BROWN FLOOR TILE OUTFITTERS, SAMPLE COLLECTED IN BATHROOM	<1% TOTAL ASBESTOS	018053
M-12	1'X1' WHITE FLOOR TILE CVS, SAMPLE COLLECTED IN BACK ROOM BATHROOM	NO ASBESTOS DETECTED	018054
M-05	2'X4' CEILING TILE CVS, SAMPLE COLLECTED IN BACK ROOM, LUNCH ROOM OR LOUNGE	NO ASBESTOS DETECTED	018055

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-13	9"X9" BROWN FLOOR TILE LEED'S SHOE STORE, SAMPLE COLLECTED IN BATHROOM	<1% TOTAL ASBESTOS	018056
M-13	9"X9" BROWN FLOOR TILE LEED'S SHOE STORE, SAMPLE COLLECTED AT EMERGENCY EXIT DOOR	1-3% TOTAL ASBESTOS	018057
M-13	9"X9" BROWN FLOOR TILE LEED'S SHOE STORE, SAMPLE COLLECTED AT ENTRANCE TO BACK ROOM	<1% TOTAL ASBESTOS	018058
M-13	9"X9" GREEN FLOOR TILE SHOWCASE CARDS, SAMPLE COLLECTED IN BACK ROOM AT EMERGENCY EXIT	1-3% TOTAL ASBESTOS	018059
M-13	9"X9" GREEN FLOOR TILE SHOWCASE CARDS, SAMPLE COLLECTED IN BACK ROOM, IN OFFICE	1-3% TOTAL ASBESTOS	018060

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-05	2'X4' CEILING TILE SHOWCASE CARDS, SAMPLE COLLECTED IN BACK ROOM IN OFFICE	NO ASBESTOS DETECTED	018061
M-12	1'X1' WHITE/BEIGE FLOOR TILE COACH HOUSE GIFT, SAMPLE COLLECTED IN BACK ROOM AT EMERGENCY EIXT	NO ASBESTOS DETECTED	018062
M-12	1'X1' WHITE/BEIGE FLOOR TILE COACH HOUSE GIFT, SAMPLE COLLECTED IN BACK ROOM IN BATHROOM	NO ASBESTOS DETECTED	018063
M-14	GRAY LINOLEUM FLOORING PINCH OR POUND, SAMPLE COLLECTED IN BATHROOM	NO ASBESTOS DETECTED	018064
M-14	GRAY LINOLEUM FLOORING PINCH OR POUND, SAMPLE COLLECTED IN BACK ROOM AT EMERGENCY EXIT	NO ASBESTOS DETECTED	018065

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-14	GRAY LINOLEUM FLOORING PINCH OR POUND, SAMPLE COLLECTED AT ENTRANCE TO BACK ROOM	NO ASBESTOS DETECTED	018066
M-12	1'X1' ORANGE FLOOR TILE RUSSO'S PETS, SAMPLE COLLECTED FROM BATHROOM	NO ASBESTOS DETECTED	018067
M-12	1'X1' YELLOW FLOOR TILE RUSSO'S PETS, SAMPLE COLLECTED FROM ENTRANCE TO BACK ROOM	NO ASBESTOS DETECTED	018068
M-02	1'X1' GRAY FLOOR TILE D.J.'S FASHION FOR MEN, SAMPLE COLLECTED FROM BACK ROOM ELECTRICAL ROOM	NO ASBESTOS DETECTED	018069
S-01	TEXTURED SPRAY-ON CEILING MATERIAL MALINGS SHOES, SAMPLE COLLECTED IN MANAGER'S OFFICE ABOVE DESK	1-5% TOTAL ASBESTOS	018070

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
S-01	TEXTURED SPRAY-ON CEILING MATERIAL SHOE EMPORIUM, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	1-5% TOTAL ASBESTOS	018071
S-01	TEXTURED SPRAY-ON CEILING MATERIAL RONDA JEWELERS, SAMPLE COLLECTED ABOVE MAIN ENTRANCE DOOR	1-5% TOTAL ASBESTOS	018072
S-01	TEXTURED SPRAY-ON CEILING MATERIAL MALING'S SHOE, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	1-3% TOTAL ASBESTOS	018073
S-01	TEXTURED SPRAY-ON CEILING MATERIAL SHOE EMPORIUM, SAMPLE COLLECTED IN SOUTHWEST CORNER OF STORE	1-3% TOTAL ASBESTOS	018074
S-01	TEXTURED SPRAY-ON CEILING MATERIAL SHOE EMPORIUM, SAMPLE COLLECTED IN NORTHEAST CORNER OF STORE	1-5% TOTAL ASBESTOS	018075

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
S-01	TEXTURED SPRAY-ON CEILING MATERIAL RONDA'S JEWELERS, SAMPLE COLLECTED ABOVE ENTRANCE DOOR TO BACK ROOM	1-5% TOTAL ASBESTOS	018076
S-01	TEXTURED SPRAY-ON CEILING MATERIAL RONDA'S JEWELERS, SAMPLE COLLECTED IN NORTHEAST CORNER OF STORE	1-3% TOTAL ASBESTOS	018077
M-05	2'X4' CEILING TILE LITTLE FOLKS, SAMPLE COLLECTED IN BACK ROOM ABOVE MANAGER'S DESK	NO ASBESTOS DETECTED	018078
M-15	1'X1' SPLINE CEILING WALDEN BOOKS, SAMPLE COLLECTED IN BACK ROOM ABOVE MANAGER'S DESK	NO ASBESTOS DETECTED	018079
M-15	1'X1' GRAY SPLINE CEILING TILE WALDEN BOOKS, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	NO ASBESTOS DETECTED	018080

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-15	1'X1' GRAY SPLINE CEILING TILE MILLER OUTPOST, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	NO ASBESTOS DETECTED	018081
M-15	1'X1' GRAY SPLINE CEILING TILE MILLER OUTPOST, SAMPLE COLLECTED IN SOUTHWEST CORNER	NO ASBESTOS DETECTED	018082
M-15	1'X1' GRAY SPLINE CEILING TILE SAM GOODY'S MUSIC STORE, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	NO ASBESTOS DETECTED	018083
M-15	1'X1' GRAY SPLINE CEILING TILE TOM MCAN, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	NO ASBESTOS DETECTED	018084
M-15	1'X1' GRAY SPLINE CEILING TILE LIMITED EXPRESS, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	NO ASBESTOS DETECTED	018085

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-17	2'X4' CEILING TILE LAGUNA SHOPPING CENTER, VACANT STORE, SAMPLE COLLECTED IN SOUTHWEST CORNER	NO ASBESTOS DETECTED	018096
M-17	2'X4' CEILING TILE LAGUNA SHOPPING CENTER, LAGUNA HILLS WINE/SPIRITS, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	NO ASBESTOS DETECTED	018097
M-17	2'X4' CEILING TILE LAGUNA SHOPPING CENTER, LEISURE WORLD BARBERS, SAMPLE COLLECTED ABOVE ENTRANCE DOOR	NO ASBESTOS DETECTED	018098
M-17	2'X4' CEILING TILE LAGUNA SHOPPING CENTER, LAGUNA HILLS CLEANER, SAMPLE COLLECTED ABOVE DOOR TO BACK ROOM	NO ASBESTOS DETECTED	018099
M-18	1'X1' SPLINE CEILING TILE LAGUNA SHOPPING CENTER, LAGUNA HILLS CLEANER, SAMPLE COLLECTED ABOVE FRONT DESK	NO ASBESTOS DETECTED	018100

BULK SAMPLE SUMMARY

Project Number: X90046-01 Project Name: LAGUNA HILLS MALL

Analyst: NOEL EVERET REID Date Analyzed: 9/20/89

Homogeneous Application	Location	Analysis Results	Sample Number
M-18	1'X1' SPLINE CEILING TILE LAGUNA HILLS SHOPPING CENTER, LAGUNA HILLS CLEANER, SAMPLE COLLECTED ABOVE ENTRANCE DOOR	NO ASBESTOS DETECTED	018101
M-18	1'X1' SPLINE CEILING TILE LAGUNA HILLS SHOPPING CENTER, LAGUNA HILLS CLEANER, SAMPLE COLLECTED IN SOUTHWEST CORNER	NO ASBESTOS DETECTED	018102

PLM IDENTIFICATION CHARACTERISTICS LEGEND

R. I. Liquid	1.55	1.68	1.605	CS		
Morphology	W=Wavy	N=Needlelike	R=Ribbon			
Pleochroism	Y=Yes	N=No				
Birefringence	L=Low	M=Medium	H=High	I=Isotropic		
Sign of Elongation	+	-	N=None			
Extinction Angle	P=Parallel	OB=Oblique	U=Undulos	O=Other		
D. S. Color	B=Blue	M=Magenta	Y=Yellow	BR=Brown		
Fiber Type	CHR=Chrysotile CEL=Cellulose	AM=Amosite FG=Fiberglass	CR=Crocidolite SYN=Synthetic	TR=Tremolite H=Horsehair	Other Fibrous	
Color	W=White Y=Yellow	G=Grey GR=Green	BL=Black B=Blue	R=Red BR=Brown	T=Tan OR=Orange	O=Other LT=Light
Texture/Composition	C=Cementitious	PC=Polymer Composite	F=Friable	BI=Bituminous		
Fibers Present	Y=Yes	N=No				
Homogeneous	Y=Yes	N=No				

Please Note: The Analyst MUST complete the three statements at the bottom of the Laboratory Analysis Sheet with either a Y for Yes or N for No

CTL Environmental Services

August 14, 1992

Mr. Jonathan Alpert
LAGUNA HILLS MALL
24155 Laguna Hills Mall
Laguna Hills, CA 92653

RECEIVED
AUG 17 1992
LAGUNA HILLS MALL

Re: Buffums' Survey Report

Dear Mr. Alpert:

Enclosed is a copy of CTL Environmental Service's (CTL) final survey report regarding the space formerly leased by Buffums in your shopping mall.

Also enclosed is CTL's Statement of Qualification package which describes our current environmental consulting and laboratory capabilities regarding asbestos management, indoor air studies, health and safety plans, and hazardous material site assessments.

Please do not hesitate to contact either Todd Ellertson, Project Manager, or me at 1-800-777-0605 if you require any additional assistance. On behalf of everyone at CTL, we wish you continued success with your affiliation with Laguna Hills Mall.

Sincerely,
CTL Environmental Services

Holly L. Klotz
Business Development Manager

HK/hk

24404 So. Vermont Ave., Suite #307 • Harbor City, CA 90710 • TEL: (213) 530-5006 • FAX: (213) 530-0792
Offices In: Los Angeles, Bakersfield, San Diego, and San Francisco

ASBESTOS SURVEY REPORT

FOR

Buffums
24231 Laguna Hills Mall
Laguna Hills, CA 92653

Project:

Buffums
Laguna Hills Mall

Job Number 90-0641

Prepared By:

CTL Environmental Services
24404 South Vermont Avenue
Suite 307
Harbor City, CA 90710

February 27, 1990

A. Introduction

On February 16, 1990, CTL Environmental Services conducted an Asbestos Survey of Buffums Department Store in Laguna Hills, California.

The survey was conducted by Irwin Watson, an EPA-accredited building inspector employed by CTL. The purpose of this survey was to identify asbestos-containing materials and to assess the friability of materials identified as such. (A friable material may be defined as any material which can easily be crumbled or broken by hand pressure, thereby increasing the potential for the release of asbestos fibers into the air.)

B. Description of Survey Site

The building inspected is the Buffums Department Store in the Laguna Hills Mall, in Laguna Hills, California.

The building is constructed of concrete block and steel with drywall interior, approximately 54,400 square feet in area. Cooling units are located on the roof; the associated ducting is insulated. Approximate date of construction is 1972.

C. Field Survey and Analytical Methods

A visual inspection was conducted during which all accessible areas of the building were visited. Samples were collected from all suspect materials found and subsequently analyzed by Polarized-Light Microscopy. Analyses were conducted as described in "Appendix A - Interim Method of Determination of Asbestos in Bulk Insulation Samples," EPA-600/M4-82-020, December 1982.

D. Survey Results

A complete analysis of each sample collected during the survey is in Section II of this report. The following materials were determined to contain asbestos:

MATERIAL	LOCATION	FRIABLE
Fireproofing	1st floor-storage mezzanine ceiling/beam	Yes
9" x 9" dark brown floor tile/mastic	1st floor-storage mezzanine	No
12" x 12" cream-color floor tile/mastic	2nd floor hall, employee's cafe	No

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar material or products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

MATERIAL	LOCATION	FRIABLE
12" x 12" white floor tile/mastic	2nd floor down escalator	No
12" x 12" red floor tile/mastic	2nd floor restaurant counter area	No
Tan linoleum	Elevator	No
Roofing material and roof patches	Roof	No

The fireproofing material in the mezzanine is friable and moderately damaged. Personnel with cause to work near or disturb this material should be informed of the potential asbestos-related health risk and use respiratory and other safety equipment.

The asbestos-containing floor coverings and mastic are not friable, and when maintained in good condition, the potential for asbestos-fiber exposure is low. If, however, the material is drilled, cut, broken or sanded, it may release asbestos fibers. Other than the restrictions mentioned above, no specialized treatment is required for this material other than operations and maintenance for asbestos materials.

The roofing material is not friable, although some damage to the material was observed. If repair or replacement of the roof is anticipated, removal of the old roof should be done by an accredited asbestos contractor. As with the asbestos-containing flooring, this material should not be drilled into or otherwise disturbed.

Estimated quantities of the asbestos-containing materials are in Section II of this report. These are estimates only and should not be used for asbestos removal bidding purposes.

Other material sampled from the building inspected includes drywall, drywall tape/mud, ceiling tiles and panels, stucco, plaster, concrete and floor coverings. No asbestos was detected in these materials.

Analytical data including a summary of sample results, asbestos-containing material summary, bulk sample analysis and photographs are in Section II of this report. Representative drawings indicating the approximate sample location are also in Section II.

Analytical data including a summary of sample results, asbestos-containing material summary, bulk sample analysis and photographs are in Section II of this report. Representative drawings indicating the approximate sample location are also in Section II.

If you have any questions, please feel free to call me at (213) 530-5006.

Respectfully submitted,
CTL Environmental Services

Ray G. Perkins
Project Manager

RGP/mb

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SUMMARY REPORT

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SUMMARY REPORT

SECTION II

ANALYTICAL DATA

PART A

SUMMARY OF LABORATORY ANALYSIS

PART B

ASBESTOS - CONTAINING MATERIAL SUMMARY

Client: Buffums
Job No: 90-0641
Project: Laguna Hills Mall

SUMMARY OF SAMPLE RESULTS

SAMPLE#	MATERIAL	SAMPLE LOCATION	RESULTS
23465	Fireproofing	1st Floor Storage Mezzanine- 3' from south wall, 4' from west wall	10% Chrysotile
23466	Fireproofing	1st Floor Storage Mezzanine- 2' from north wall, 12' from west wall	10% Chrysotile
23467	Fireproofing	1st Floor Storage Mezzanine- 4' from north wall, 20' from east wall	10% Chrysotile
23468	9" x 9" dark brown floor tile/mastic	1st Floor Storage Mezzanine- 5' from west wall, 2' from south wall	5% Chrysotile (tile & mastic)
23469	Drywall	1st & 2nd Floor Storage- north wall 2' above floor, 40 from west wall	<1%: None Detected
23470	Drywall tape and mud	Storage- north wall 2' above floor, 40' from west wall	<1%: None Detected
23471	12" x 12" white ceiling tile	1st Floor- 3' from south wall, 10' from east wall	<1%: None Detected
23473	12" x 12" white ceiling tile	2nd Floor- 4' from south wall, 25' from west wall	<1%: None Detected
23472	12" x 12" white ceiling tile	1st floor- 6' from south wall, 40' from west wall	<1%: None Detected
23474	12" x 12" cream-colored floor tile/mastic	Kitchen Hall- 1" from north wall, 5' from west wall	5% Chrysotile (tile & mastic)
23475	2 'x 4' white ceiling panel	Hall- 4' from north wall, 12' from west wall	<1%: None Detected
23476	2' x 4' white ceiling panel	Hall- 2' from south wall, 8' from east wall	<1%: None Detected

Client: Buffums
Job No: 90-0641
Project: Laguna Hills Mall

SUMMARY OF SAMPLE RESULTS

SAMPLE#	MATERIAL	SAMPLE LOCATION	RESULTS
23477	2' x 4' white ceiling panel	Beauty Manager's Office- 2' from east wall, 4' from south wall	<1%: None Detected
23478	12" x 12" white floor tile/mastic	2nd Floor Down Escalator- 2' west of escalator	5% Chrysotile (tile & mastic)
23479	Tan linoleum	Elevator- ½" from north wall, 2' from west wall	15% Chrysotile
23480	12" x 12" cream-colored rough finish floor tile	Beauty Shop Lobby- ½" from west wall, 5' from south wall	<1%: None Detected
23481	2' x 4' white ceiling panel	Kitchen- 4' from east wall, 2' from north wall	<1%: None Detected
23482	2' x 4' white ceiling panel	Kitchen- 4' from south wall, 2' from east wall	<1%: None Detected
23483	2' x 4' white ceiling panel	Kitchen- 2' from north wall, 4' from west wall	<1%: None Detected
23484	Stucco wall	Loading Dock- ½" from east wall, 3' from north wall	<1%: None Detected
23485	Dark brown linoleum	1st Floor Escalator Meter Cover- 3' from front of escalator	<1%: None Detected
23486	Vinyl wall covering	1st Floor- North wall 2' above floor, 8' from east wall	<1%: None Detected
23487	Trowelled-on wall plaster	1st Floor- South wall 6" above floor, 2' from east wall	<1%: None Detected
23488	12" x 12" red floor tile/mastic	Restaurant Counter- 5' from north wall, 12' from east wall	5% Chrysotile (tile & mastic)
23489	Concrete	Roof- 30' from south wall, 15' from east wall	<1%: None Detected

Client: Buffums
Job No: 90-0641
Project: Laguna Hills Mall

SUMMARY OF SAMPLE RESULTS

SAMPLE#	MATERIAL	SAMPLE LOCATION	RESULTS
23490	Roofing	Roof- 7' from east wall, 40' from south wall	15% Chrysotile
23491	Roofing Patch (small)	Roof- 8' from west wall, 15' from south wall	15% Chrysotile
23492	Roofing Patch (large)	Roof- West wall, 3' above roof, 12' from north wall	20% Chrysotile
23493	Duct Tape	Roof- 40' from south wall, 60' from west wall	<1%: None Detected

CTL ENVIRONMENTAL SERVICES

ASBESTOS - CONTAINING MATERIAL SUMMARY

Client: Buffums
Job #: 90-0641
Project: Laguna Hills Mall

MATERIAL DESCRIPTION	**ESTIMATED QUANTITY**
Fireproofing	2160 square feet

MATERIAL LOCATION:

1st Floor
Storage Mezzanine
Ceilings + beams

FRIABLE: Yes

DAMAGE ASSESSMENT:

Moderate damage: <10% distributed- water damage, dislodged/missing pieces

SAMPLE REFERENCE:

23465
23466
23467

CTL ENVIRONMENTAL SERVICES

ASBESTOS - CONTAINING MATERIAL SUMMARY

Client: Buffums
Job #: 90-0641
Project: Laguna Hills Mall

MATERIAL DESCRIPTION	ESTIMATED QUANTITY
9" X 9" dark brown floor tile and mastic	300 square feet

MATERIAL LOCATION:

1st Floor
Storage Mezzanine

FRIABLE: No

DAMAGE ASSESSMENT:

No damage

SAMPLE REFERENCE:

23468

CTL ENVIRONMENTAL SERVICES

ASBESTOS - CONTAINING MATERIAL SUMMARY

Client: Buffums
Job #: 90-0641
Project: Laguna Hills Mall

MATERIAL DESCRIPTION	ESTIMATED QUANTITY
12" X 12" cream-colored floor tile and mastic	250 square feet

MATERIAL LOCATION:

2nd Floor
Hall, Employees Cafe

FRIABLE: No

DAMAGE ASSESSMENT:

No damage

SAMPLE REFERENCE:

23474

CTL ENVIRONMENTAL SERVICES

ASBESTOS - CONTAINING MATERIAL SUMMARY

Client: Buffums
Job #: 90-0641
Project: Laguna Hills Mall

MATERIAL DESCRIPTION	ESTIMATED QUANTITY
12" X 12" white floor tile and mastic	16 square feet

MATERIAL LOCATION:

2nd Floor
Down Escalator

FRIABLE: No

DAMAGE ASSESSMENT:

No damage

SAMPLE REFERENCE:

23478

CTL ENVIRONMENTAL SERVICES

ASBESTOS - CONTAINING MATERIAL SUMMARY

Client: Buffums
Job #: 90-0641
Project: Laguna Hills Mall

MATERIAL DESCRIPTION	ESTIMATED QUANTITY
12" x 12" red floor tile and mastic	300 square feet

MATERIAL LOCATION:

2nd floor
Restaurant counter area

FRIABLE: No

DAMAGE ASSESSMENT:

No damage

SAMPLE REFERENCE:

23488

CTL ENVIRONMENTAL SERVICES

ASBESTOS - CONTAINING MATERIAL SUMMARY

Client: Buffums
Job #: 90-0641
Project: Laguna Hills Mall

MATERIAL DESCRIPTION	ESTIMATED QUANTITY
Tan linoleum	50 square feet

MATERIAL LOCATION:

Elevator

FRIABLE: No

DAMAGE ASSESSMENT:

No damage

SAMPLE REFERENCE:

23479

CTL ENVIRONMENTAL SERVICES

ASBESTOS - CONTAINING MATERIAL SUMMARY

Client: Buffums
Job #: 90-0641
Project: Laguna Hills Mall

MATERIAL DESCRIPTION	ESTIMATED QUANTITY
Roofing patch (large)	1,000 square feet

MATERIAL LOCATION:

Roof

FRIABLE: No

DAMAGE ASSESSMENT:

No damage

SAMPLE REFERENCE:

23492

CTL ENVIRONMENTAL SERVICES

ASBESTOS - CONTAINING MATERIAL SUMMARY

Client: Buffums
Job #: 90-0641
Project: Laguna Hills Mall

MATERIAL DESCRIPTION	ESTIMATED QUANTITY
Roofing patch (small)	2 square feet

MATERIAL LOCATION:

Roof

FRIABLE: No

DAMAGE ASSESSMENT:

No damage

SAMPLE REFERENCE:

23491

CTL ENVIRONMENTAL SERVICES

ASBESTOS - CONTAINING MATERIAL SUMMARY

Client: Buffums
Job #: 90-0641
Project: Laguna Hills Mall

MATERIAL DESCRIPTION	**ESTIMATED QUANTITY**
Roofing	27,000 square feet

MATERIAL LOCATION:

Roof

FRIABLE: No

DAMAGE ASSESSMENT:

Moderate damage: <10% distributed- deterioration

SAMPLE REFERENCE:

23490

PART C

DRAWINGS

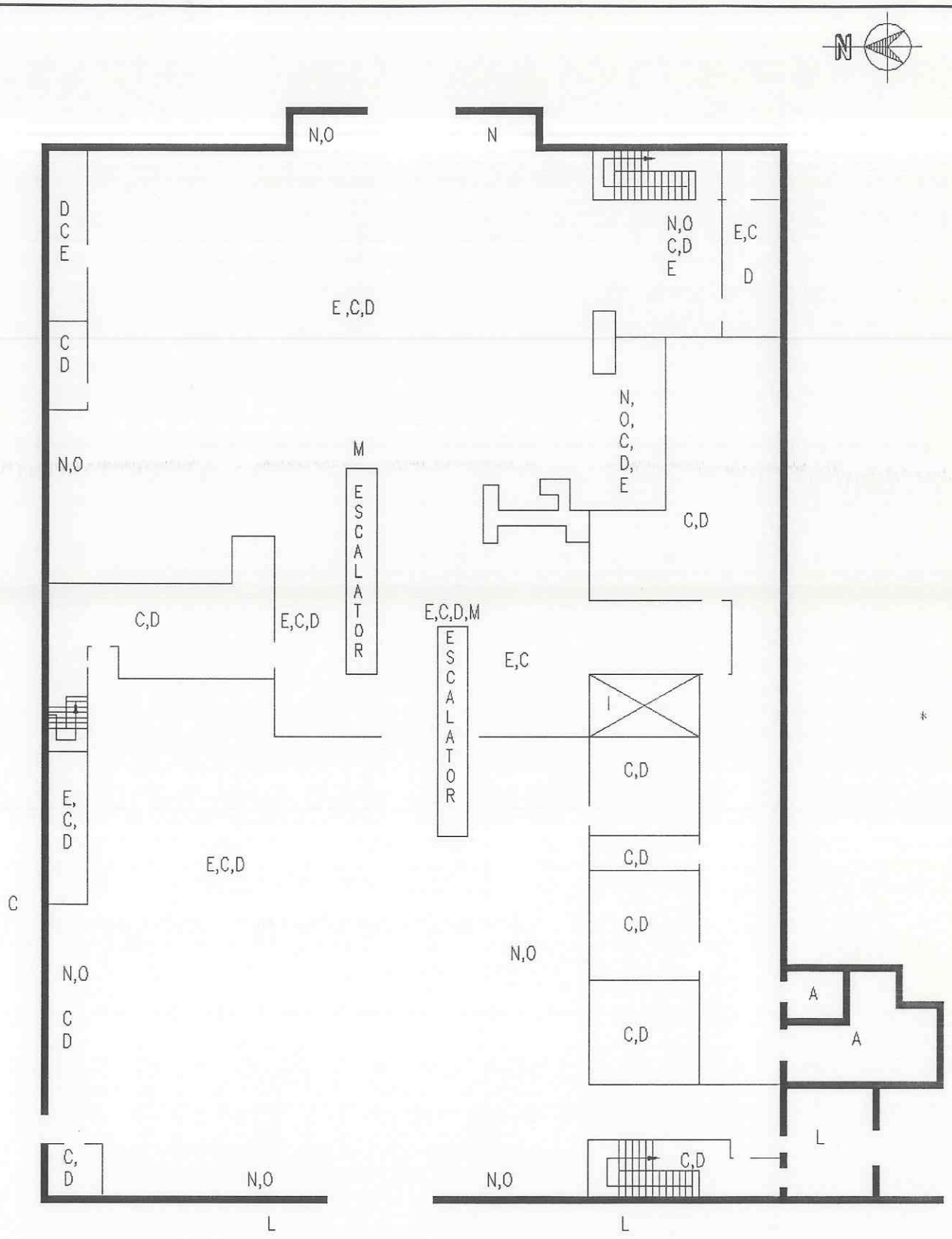
SAMPLE LOCATIONS

Client: Buffums
Job No: 90-0641
Project: Laguna Hills Mall

MATERIALS SAMPLED

The materials listed below were sampled from the Buffums store in the Laguna Hills Mall. An asterisk (*) beside the letter assigned to the material indicated that it contains asbestos. On the following pages are representative drawings of each floor of the building. An arrow from the sample number shows the approximate sample location.

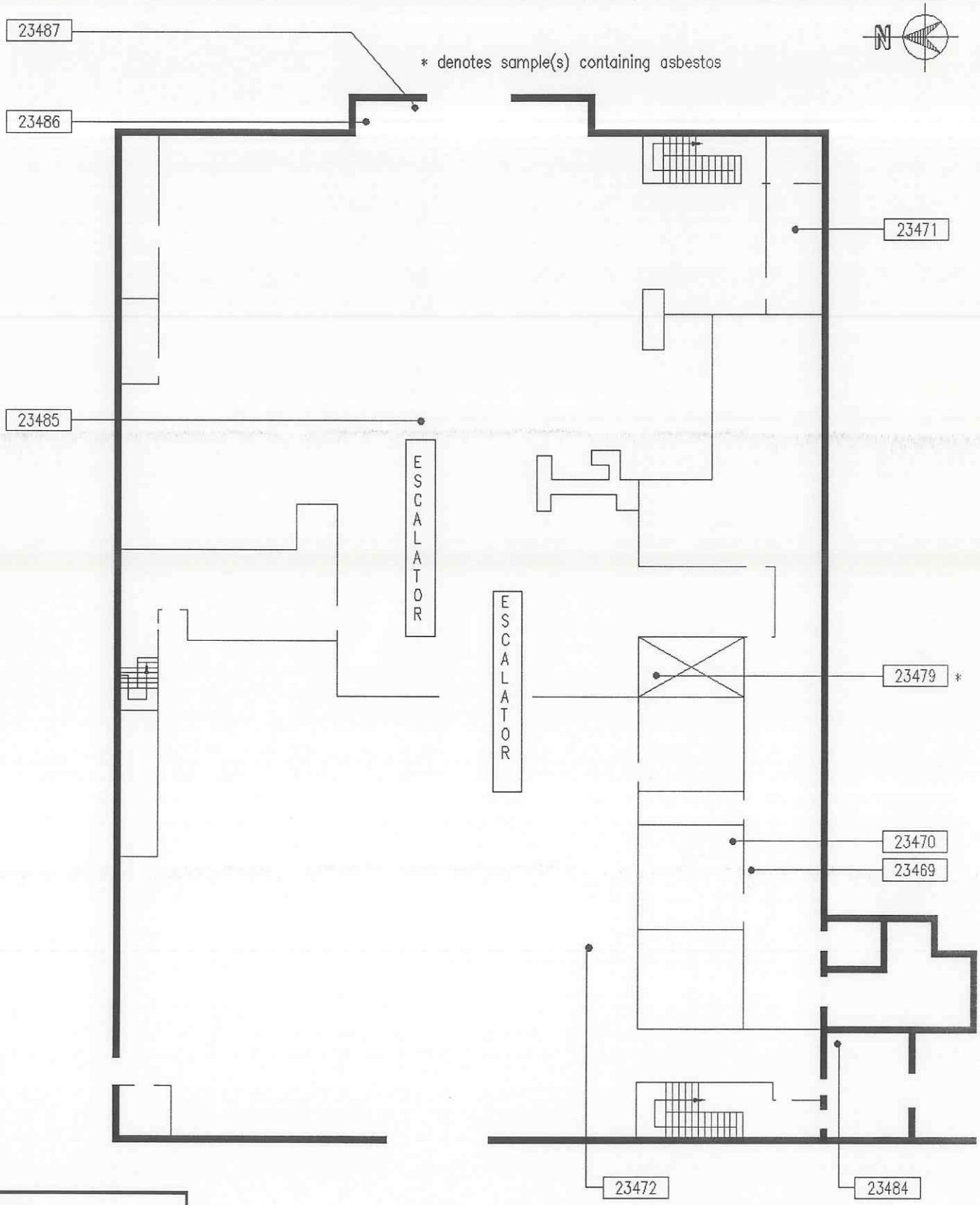
*	A-	Fireproofing
*	B-	9" x 9" dark brown floor tile and mastic
	C-	Drywall
	D-	Drywall mud and tape
	E-	12" x 12" white ceiling tile
*	F-	12" x 12" cream-colored floor tile
	G-	2' x 4' white ceiling panels
*	H-	12" x 12" white floor tile and mastic
*	I-	Tan linoleum
	J-	12" x 12" cream-colored rough finish floor tile
	K-	2' x 4' white ceiling panels
	L-	Stucco
	M-	Dark brown linoleum
	N-	Vinyl wall covering
	O-	Trowelled-on plaster
*	P-	12" x 12" red floor tile and mastic
	Q-	Concrete
*	R-	Roofing
*	S-	Roofing patch (small)
*	T-	Roofing patch (large)
	U-	Duct tape



HOMOGENEOUS AREAS

CLIENT : BUFFUMS
JOB NO : 90-0641
PROJECT : LAGUNA HILLS,FIRST FLOOR

ENVIRONMENTAL SERVICES
24404 S. VERMONT AVE
SUITE 307
HARBOR CITY, CA 90710

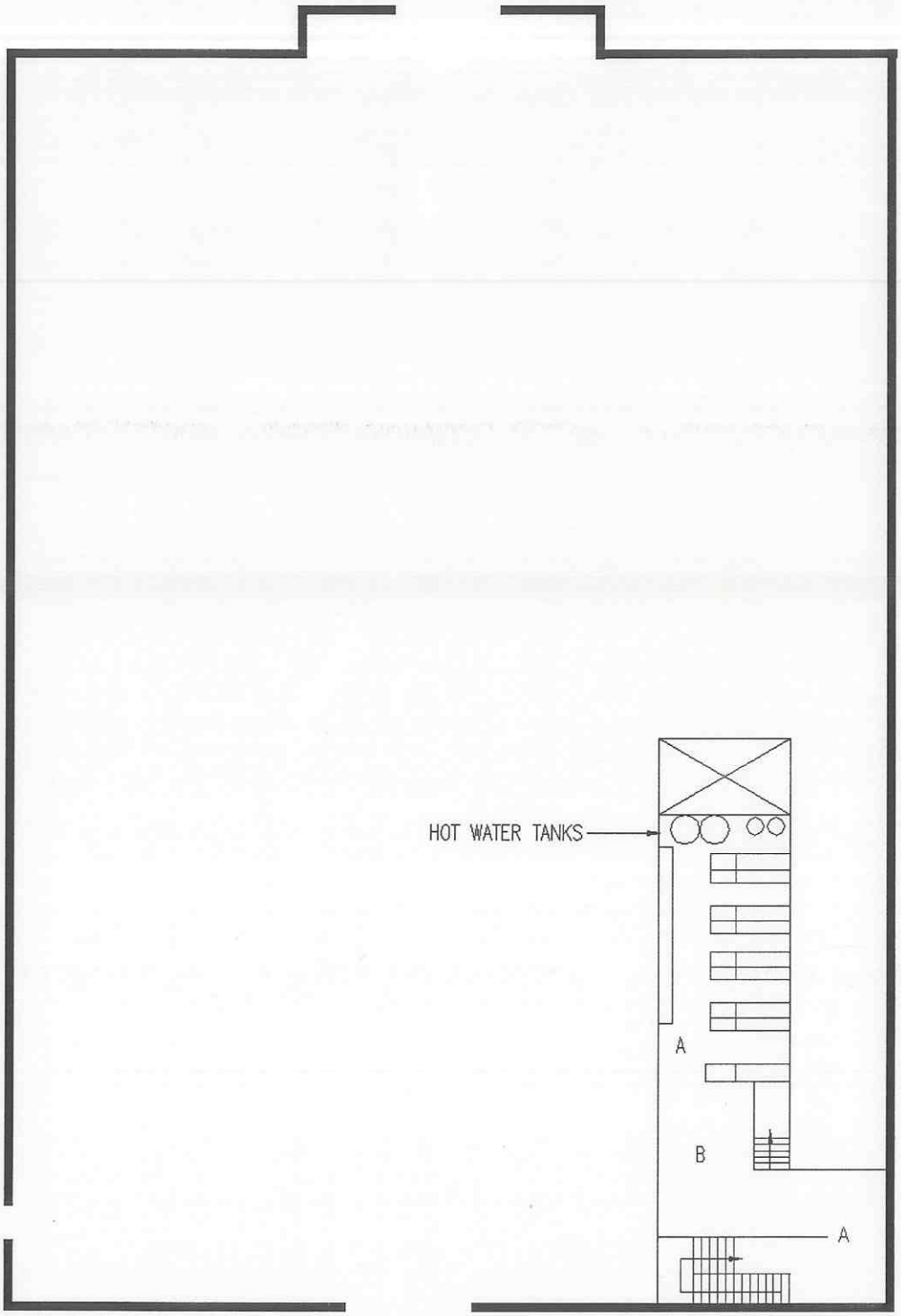


LEGEND:
- *Bulk sample*

SAMPLE LOCATIONS

CLIENT : BUFFUMS
JOB NO : 90-0641
PROJECT : LAGUNA HILLS,FIRST FLOOR

ENVIRONMENTAL SERVICES
24404 S. VERMONT AVE
SUITE 307
HARBOR CITY, CA 90710



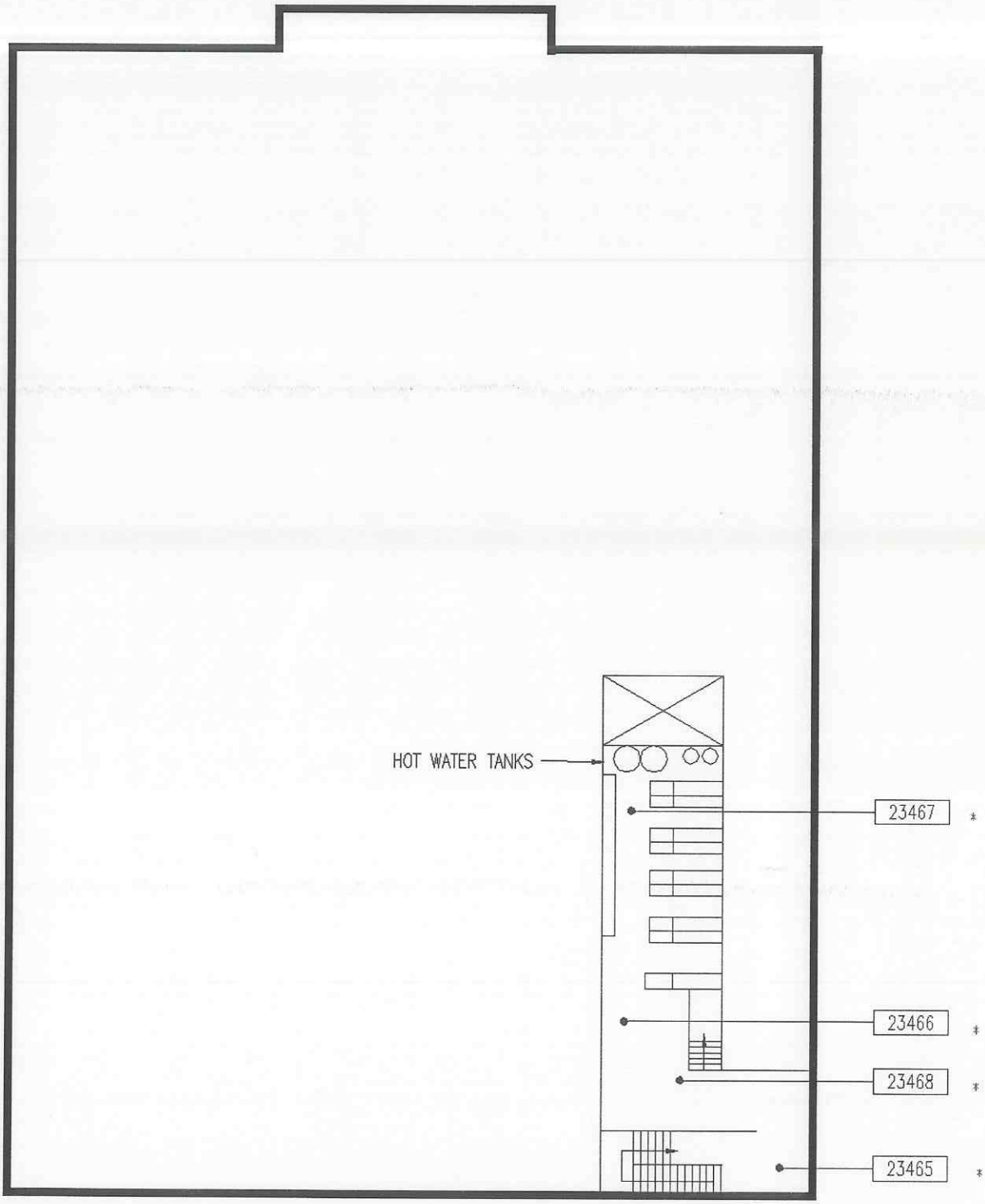
STORAGE MEZZANINE PLAN

HOMOGENEOUS AREAS

CLIENT : BUFFUMS
JOB NO : 90-0641
PROJECT : LAGUNA HILLS,FIRST FLOOR

ENVIRONMENTAL SERVICES
24404 S. VERMONT AVE
SUITE 307
HARBOR CITY, CA 90710

* denotes sample(s) containing asbestos



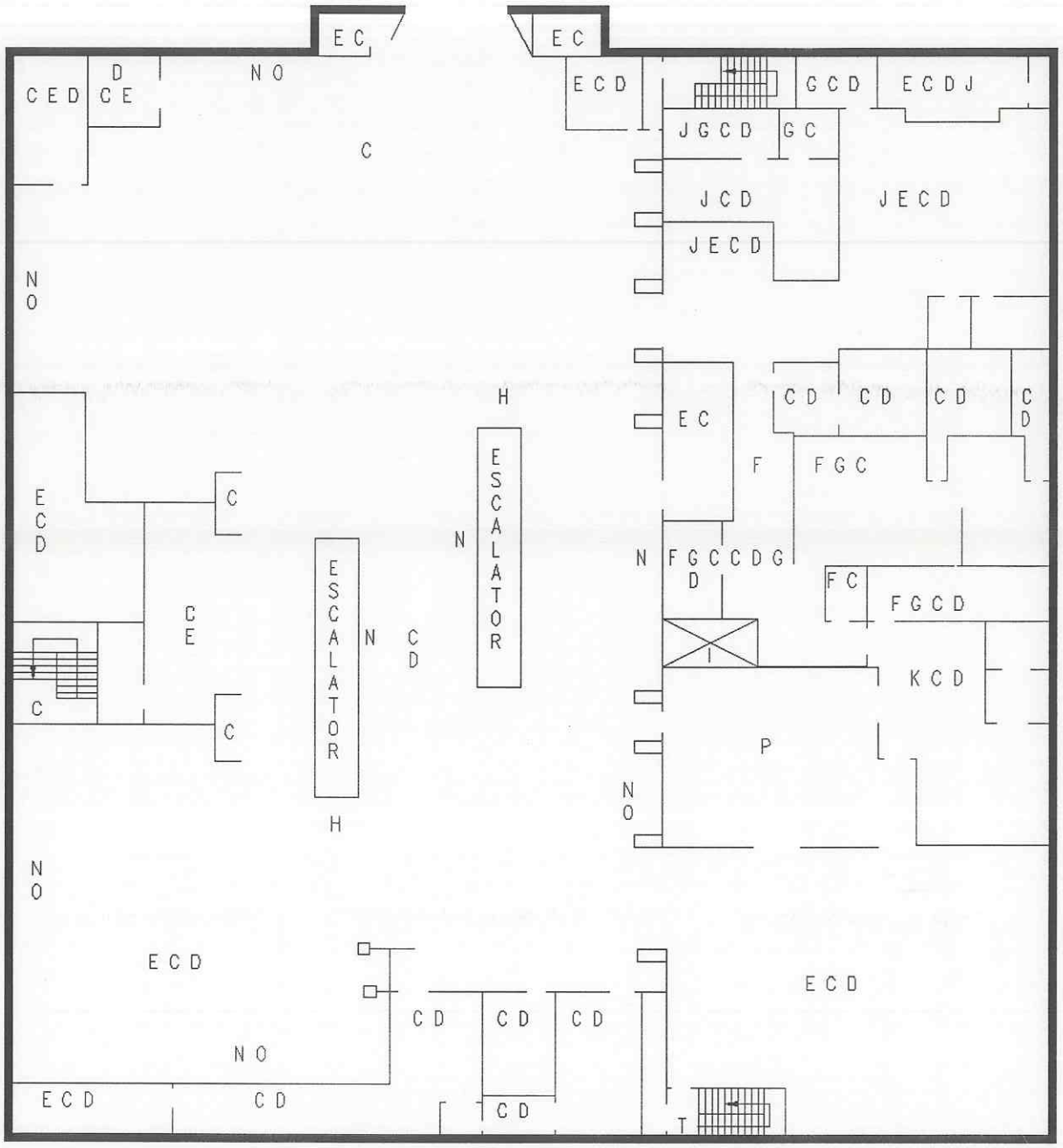
LEGEND:
- *Bulk sample*

STORAGE MEZZANINE PLAN

SAMPLE LOCATIONS

CLIENT : BUFFUMS
JOB NO : 90-0641
PROJECT : LAGUNA HILLS,FIRST FLOOR

ENVIRONMENTAL SERVICES
24404 S. VERMONT AVE
SUITE 307
HARBOR CITY, CA 90710

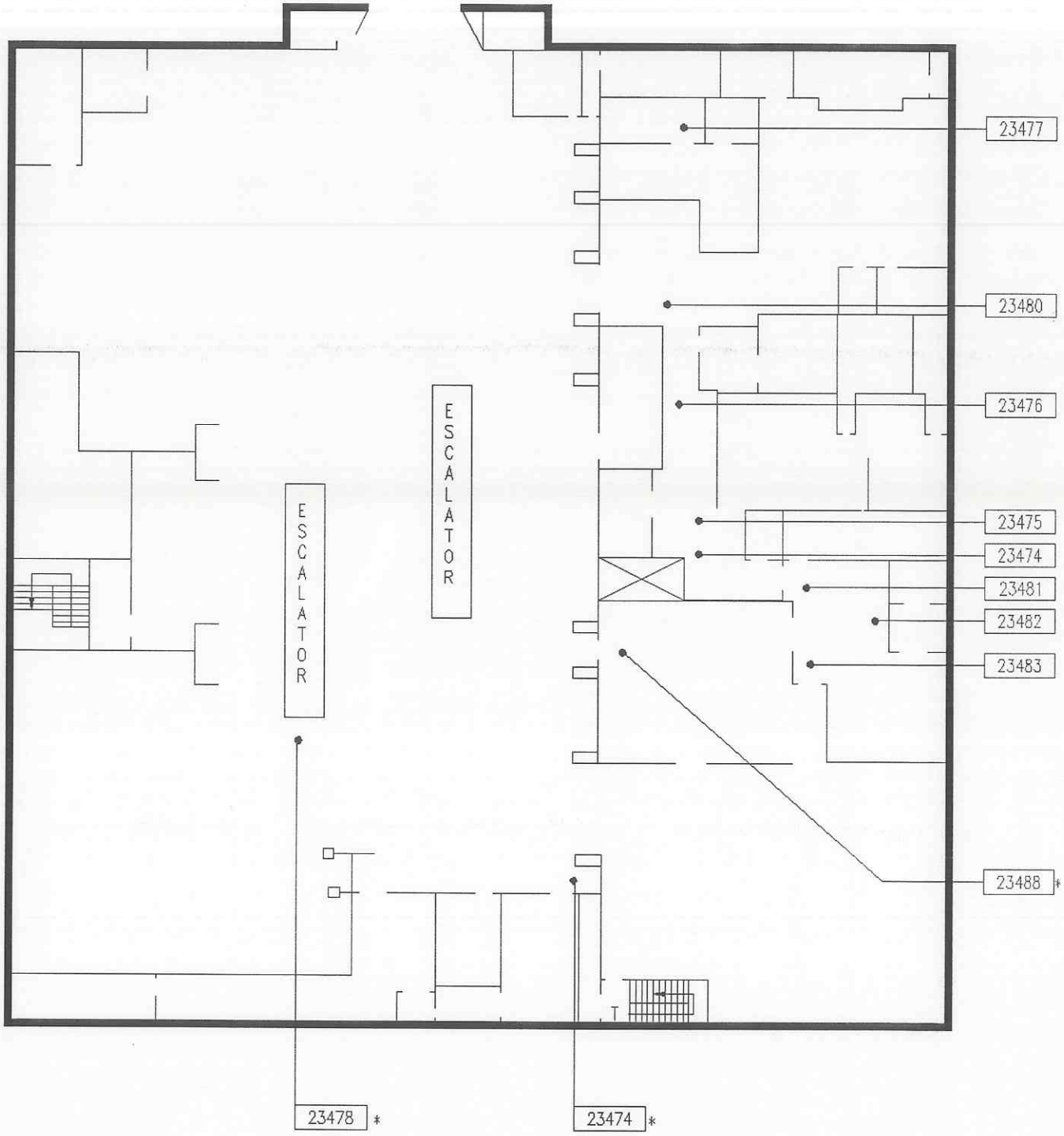


HOMOGENEOUS AREAS

CLIENT : BUFFUMS
JOB NO : 90-0641
PROJECT : LAGUNA HILLS,SECOND FLOOR

ENVIRONMENTAL SERVICES
24404 S. VERMONT AVE
SUITE 307
HARBOR CITY, CA 90710

* denotes sample(s) containing asbestos



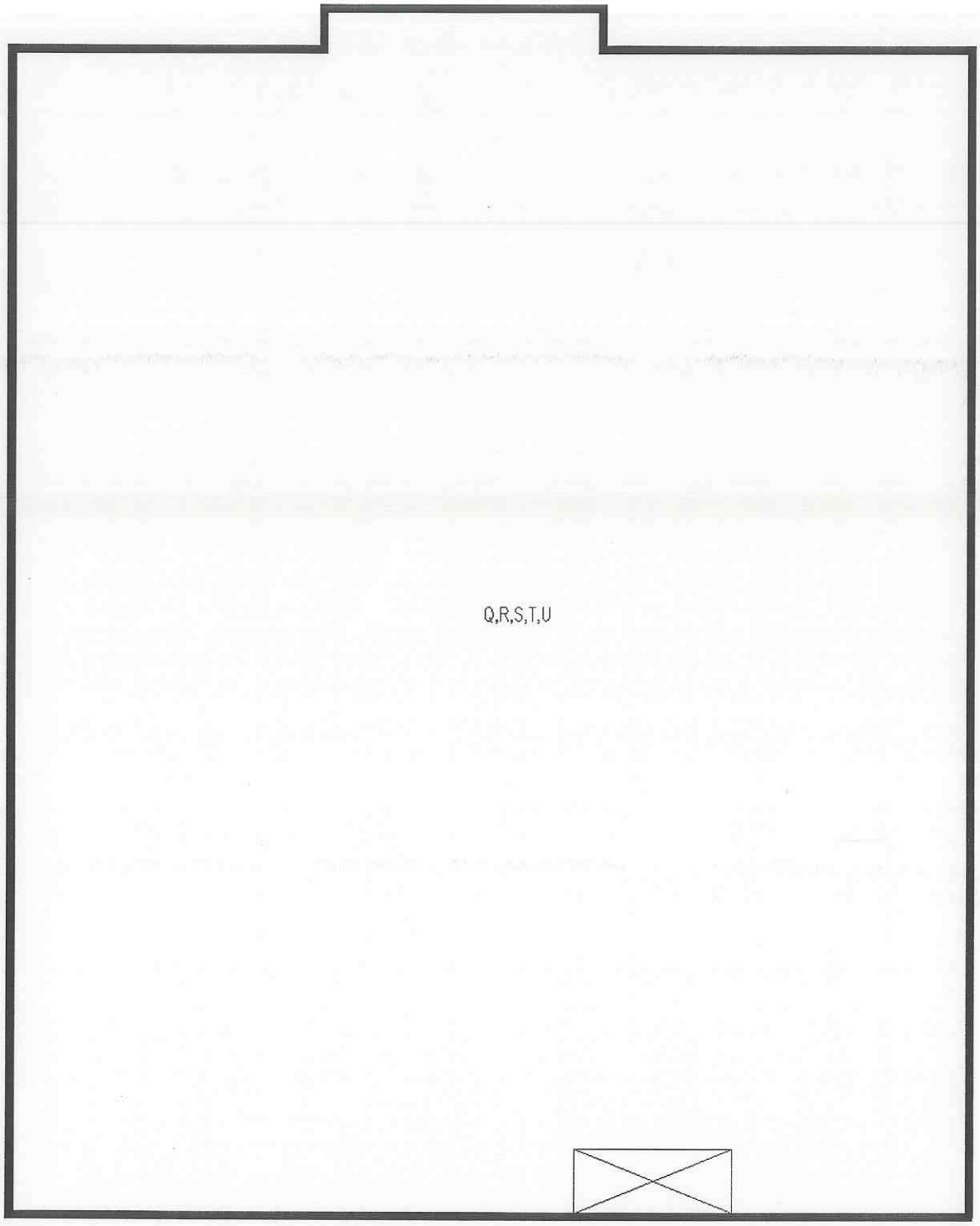
LEGEND:

- *Bulk sample*

SAMPLE LOCATIONS

CLIENT : BUFFUMS
JOB NO : 90-0641
PROJECT : LAGUNA HILLS,SECOND FLOOR

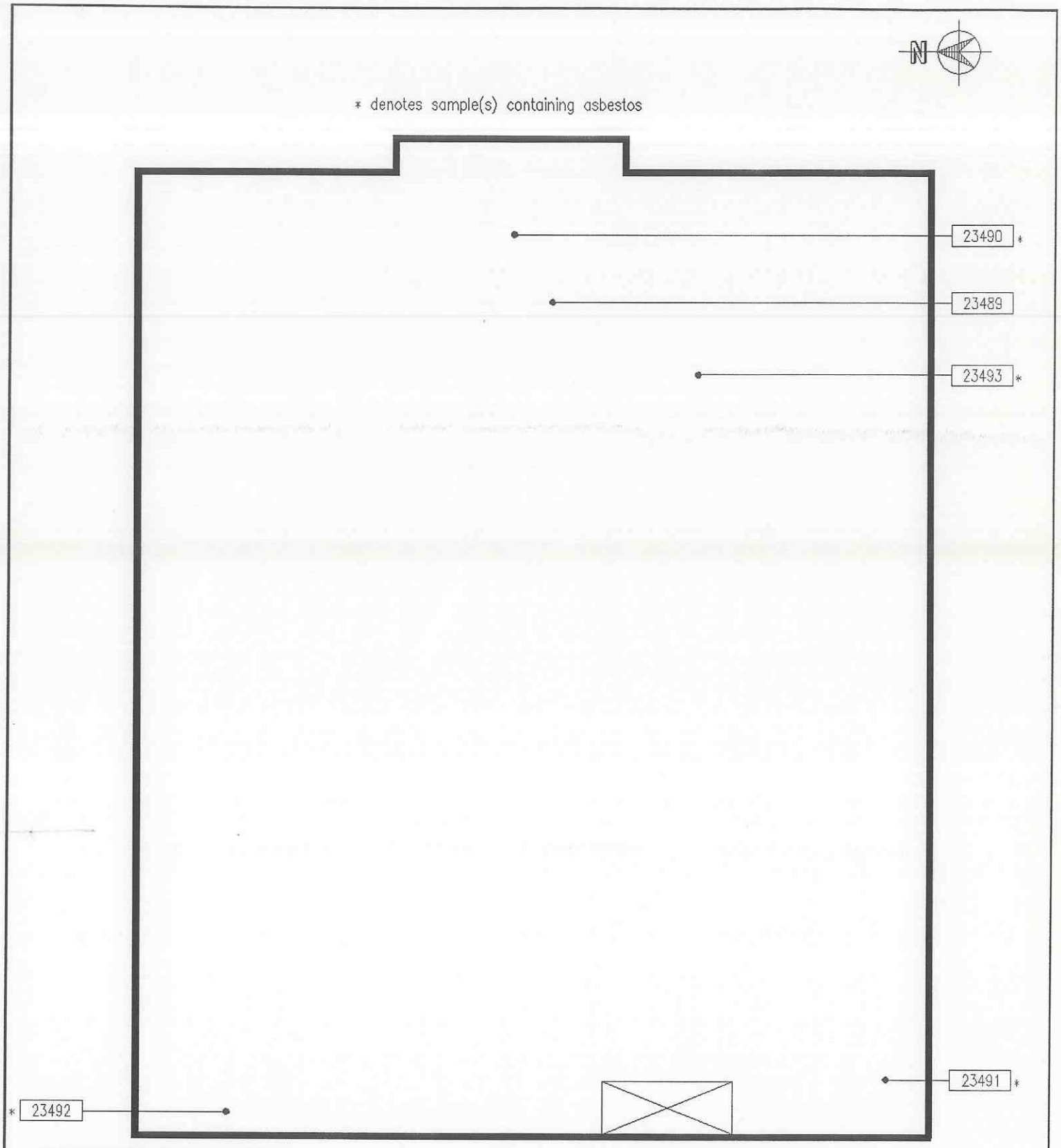
ENVIRONMENTAL SERVICES
24404 S. VERMONT AVE
SUITE 307
HARBOR CITY, CA 90710



HOMOGENEOUS AREAS

CLIENT : BUFFUMS
JOB NO : 90-0641
PROJECT : LAGUNA HILLS,ROOF

ENVIRONMENTAL SERVICES
24404 S. VERMONT AVE
SUITE 307
HARBOR CITY, CA 90710



LEGEND:
• *Bulk sample*

SAMPLE LOCATIONS

CLIENT : BUFFUMS
JOB NO : 90-0641
PROJECT : LAGUNA HILLS,ROOF

ENVIRONMENTAL SERVICES
24404 S. VERMONT AVE
SUITE 307
HARBOR CITY, CA 90710

PART D

INDIVIDUAL BULK SAMPLE ANALYSIS RESULTS

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23465

LABORATORY NO: 90-0641

JOB NO: 90-0641-1 **COLOR:** WHITE

HOMOGENEOUS: NO **GROSS DESCRIPTION:** SOFT CHUNK

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	10%
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**10%**
Fiberglass	0%
Cellulose	5%
Mica	0%
Other	85%
TOTAL NON-ASBESTOS	**90%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23466

LABORATORY NO: 90-0641

JOB NO: 90-0641-2 **COLOR:** WHITE

HOMOGENEOUS: NO **GROSS DESCRIPTION:** SOFT CHUNK

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	10%
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**10%**
Fiberglass	0%
Cellulose	5%
Mica	0%
Other	85%
TOTAL NON-ASBESTOS	**90%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23467

LABORATORY NO: 90-0641

JOB NO: 90-0641-3 **COLOR:** WHITE

HOMOGENEOUS: NO **GROSS DESCRIPTION:** SOFT CHUNK

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	10%
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**10%**
Fiberglass	0%
Cellulose	5%
Mica	0%
Other	85%
TOTAL NON-ASBESTOS	**90%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23468

LABORATORY NO: 90-0641

JOB NO: 90-0641-4 **COLOR:** DARK BROWN

HOMOGENEOUS: NO **GROSS DESCRIPTION:** TILE AND MASTIC

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	5%
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**5%**
Fiberglass	0%
Cellulose	5%
Mica	0%
Other	90%
TOTAL NON-ASBESTOS	**95%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23469

LABORATORY NO: 90-0641

JOB NO: 90-0641-5 **COLOR:** WHITE

HOMOGENEOUS: NO **GROSS DESCRIPTION:** POWDER

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	0%
Cellulose	30%
Mica	0%
Other	70%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23470

LABORATORY NO: 90-0641

JOB NO: 90-0641-6 **COLOR:** WHITE

HOMOGENEOUS: NO **GROSS DESCRIPTION:** POWDER

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	0%
Cellulose	30%
Mica	0%
Other	70%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23471

LABORATORY NO: 90-0641

JOB NO: 90-0641-7 **COLOR:** GRAY

HOMOGENEOUS: YES **GROSS DESCRIPTION:** CHUNK

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	40%
Cellulose	30%
Mica	0%
Other	30%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23472

LABORATORY NO: 90-0641

JOB NO: 90-0641-8 **COLOR:** GRAY

HOMOGENEOUS: YES **GROSS DESCRIPTION:** CHUNK

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	60%
Cellulose	15%
Mica	0%
Other	25%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23473

LABORATORY NO: 90-0641

JOB NO: 90-0641-9 **COLOR:** GRAY

HOMOGENEOUS: YES **GROSS DESCRIPTION:** CHUNK

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	60%
Cellulose	15%
Mica	0%
Other	25%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23474

LABORATORY NO: 90-0641

JOB NO: 90-0641-10 **COLOR:** BEIGE

HOMOGENEOUS: NO **GROSS DESCRIPTION:** TILE AND MASTIC

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	5%
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**5%**
Fiberglass	10%
Cellulose	5%
Mica	0%
Other	80%
TOTAL NON-ASBESTOS	**95%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23475

LABORATORY NO: 90-0641

JOB NO: 90-0641-11 **COLOR:** GRAY

HOMOGENEOUS: YES **GROSS DESCRIPTION:** CHUNK

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	40%
Cellulose	30%
Mica	0%
Other	30%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23476

LABORATORY NO: 90-0641

JOB NO: 90-0641-12 **COLOR:** GRAY

HOMOGENEOUS: YES **GROSS DESCRIPTION:** CHUNK

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	40%
Cellulose	30%
Mica	0%
Other	30%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23477

LABORATORY NO: 90-0641

JOB NO: 90-0641-13 **COLOR:** GRAY

HOMOGENEOUS: YES **GROSS DESCRIPTION:** CHUNK

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	40%
Cellulose	30%
Mica	0%
Other	30%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23478

LABORATORY NO: 90-0641

JOB NO: 90-0641-14 **COLOR:** WHITE

HOMOGENEOUS: NO **GROSS DESCRIPTION:** TILE AND MASTIC

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	5%
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**5%**
Fiberglass	0%
Cellulose	10%
Mica	0%
Other	85%
TOTAL NON-ASBESTOS	**95%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23479

LABORATORY NO: 90-0641

JOB NO: 90-0641-15 **COLOR:** BROWN

HOMOGENEOUS: NO **GROSS DESCRIPTION:** STRIP WITH WHITE FIBROUS BACKING

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	15%
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**15%**
Fiberglass	0%
Cellulose	10%
Mica	0%
Other	75%
TOTAL NON-ASBESTOS	**85%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23480

LABORATORY NO: 90-0641

JOB NO: 90-0641-16 **COLOR:** BEIGE

HOMOGENEOUS: YES **GROSS DESCRIPTION:** TILE

SAMPLE PREPARATION: ASHED

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	5%
Cellulose	5%
Mica	0%
Other	90%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23481

LABORATORY NO: 90-0641

JOB NO: 90-0641-17 **COLOR:** BROWN

HOMOGENEOUS: YES **GROSS DESCRIPTION:** CHUNK

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	40%
Cellulose	30%
Mica	0%
Other	30%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23482

LABORATORY NO: 90-0641

JOB NO: 90-0641-18 **COLOR:** BROWN

HOMOGENEOUS: YES **GROSS DESCRIPTION:** CHUNK

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	40%
Cellulose	30%
Mica	0%
Other	30%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23483

LABORATORY NO: 90-0641

JOB NO: 90-0641-19 **COLOR:** BROWN

HOMOGENEOUS: YES **GROSS DESCRIPTION:** CHUNK

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	40%
Cellulose	30%
Mica	0%
Other	30%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23484

LABORATORY NO: 90-0641

JOB NO: 90-0641-20 **COLOR:** GRAY

HOMOGENEOUS: NO **GROSS DESCRIPTION:** HARD CHUNK

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	5%
Cellulose	5%
Mica	0%
Other	90%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23485

LABORATORY NO: 90-0641

JOB NO: 90-0641-21 **COLOR:** BLACK

HOMOGENEOUS: NO **GROSS DESCRIPTION:** TILE

SAMPLE PREPARATION: ASHED - 500° C

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	5%
Cellulose	5%
Mica	0%
Other	90%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23486

LABORATORY NO: 90-0641

JOB NO: 90-0641-22 **COLOR:** BEIGE

HOMOGENEOUS: NO **GROSS DESCRIPTION:** STRIP

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	0%
Cellulose	90%
Mica	0%
Other	10%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23487

LABORATORY NO: 90-0641

JOB NO: 90-0641-23 **COLOR:** WHITE

HOMOGENEOUS: YES **GROSS DESCRIPTION:** CHUNK

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	0%
Cellulose	5%
Mica	0%
Other	95%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23488

LABORATORY NO: 90-0641

JOB NO: 90-0641-24 **COLOR:** RED

HOMOGENEOUS: NO **GROSS DESCRIPTION:** TILE AND MASTIC

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	5%
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**5%**
Fiberglass	0%
Cellulose	5%
Mica	0%
Other	90%
TOTAL NON-ASBESTOS	**95%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23489

LABORATORY NO: 90-0641

JOB NO: 90-0641-25 **COLOR:** GRAY

HOMOGENEOUS: NO **GROSS DESCRIPTION:** HARD CHUNK

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	0%
Cellulose	5%
Mica	0%
Other	95%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23490

LABORATORY NO: 90-0641

JOB NO: 90-0641-26 **COLOR:** BLACK

HOMOGENEOUS: NO **GROSS DESCRIPTION:** LAYERED TAR-LIKE MATERIAL

SAMPLE PREPARATION: ASHED - 500° C

ASBESTOS TYPE	PERCENTAGE
Chrysotile	15%
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**15%**
Fiberglass	10%
Cellulose	5%
Mica	0%
Other	70%
TOTAL NON-ASBESTOS	**85%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23491

LABORATORY NO: 90-0641

JOB NO: 90-0641-27 **COLOR:** BLACK

HOMOGENEOUS: NO **GROSS DESCRIPTION:** TAR-LIKE MATERIAL

SAMPLE PREPARATION: ASHED - 500° C

ASBESTOS TYPE	PERCENTAGE
Chrysotile	15%
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**15%**
Fiberglass	10%
Cellulose	5%
Mica	0%
Other	70%
TOTAL NON-ASBESTOS	**85%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23492

LABORATORY NO: 90-0641

JOB NO: 90-0641-28 **COLOR:** WHITE

HOMOGENEOUS: YES **GROSS DESCRIPTION:** FIBROUS MASS

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	20%
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**20%**
Fiberglass	0%
Cellulose	20%
Mica	0%
Other	60%
TOTAL NON-ASBESTOS	**80%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

CTL ENVIRONMENTAL SERVICES

BULK SAMPLE ANALYSIS FORM

CLIENT: BUFFUMS

TEST DATE: 2-21-90

SAMPLE ID: 23493

LABORATORY NO: 90-0641

JOB NO: 90-0641-29 **COLOR:** WHITE

HOMOGENEOUS: YES **GROSS DESCRIPTION:** CLOTH

SAMPLE PREPARATION: NONE

ASBESTOS TYPE	PERCENTAGE
Chrysotile	ND
Amosite	ND
Crocidolite	ND
Anthophyllite	ND
TOTAL ASBESTOS	**<1**
Fiberglass	0%
Cellulose	95%
Mica	0%
Other	5%
TOTAL NON-ASBESTOS	**100%**

NOTE: ND = NONE DETECTED

LAGUNA HILLS MALL

PART E

PHOTOGRAPHS

Appendix H

Subject Property Photographic Log

Appendix I

Agency File Information

COUNTY OF ORANGE
HEALTH CARE AGENCY

REGULATORY HEALTH SERVICES
ENVIRONMENTAL HEALTH

JULIETTE A. POULSON, RN, MN
DIRECTOR

MIKE SPURGEON
DEPUTY AGENCY DIRECTOR
REGULATORY HEALTH SERVICES

STEVEN K. WONG, REHS, MPH
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749
E-MAIL: environhealth@hca.co.orange.ca.us

Excellence
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June 28, 2004

Jenna Lawrence
ExxonMobil Refining and Supply Company
2220 Otay Lakes Road, # 502, PMB #99
Chula Vista, CA 91915-1009

Subject: **Remedial Action Completion Certification**

Re: Underground Storage Tank (UST) Case
American Savings Bank/Former Mobil Station 99-384
24085 El Toro Road, Laguna Hills, CA
O.C.H.C.A. Case #94UT017

Dear Ms. Lawrence:

This letter confirms the completion of site investigation and corrective action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this Agency was accurate and representative of site conditions, this Agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25296.10 of the Health and Safety Code.

Please contact James Strozier of our office at (714) 667-3711 if you have any questions regarding this matter.

Sincerely,

Steven Wong, REHS, MPH, Director
Environmental Health

SW:jcs
Attachment: Case Closure Summary

cc. Ken Williams, Santa Ana Regional Water Quality Control Board
SB 562 Database, State Water Resources Control Board
Cleanup Fund Manager, State Water Resources Control Board
Larry Honeybourne, Environmental Health

Case Closure Summary

Leaking Underground Fuel Tank Program

I Agency Information

Date: **February 26, 2004**

Agency Name: **Orange County Health Care Agency**	Address: **2009 East Edinger Avenue**
City/State/Zip: **Santa Ana, CA 92705**	Phone: **(714) 667-3600**
Responsible staff person: **James Strozier**	Title: **Hazardous Waste Specialist**

II. Case Information

Site Facility Name: **American Savings Bank/Former Mobil Station 99-384**		
Site Facility Address: **24085 El Toro Road, Laguna Hills, CA**		
RB LUSTIS Case No.:	Local Case No.:	LOP Case No.: **94UT017**
URF Filing Date:	SWEEPS No.	
Responsible Party	Address	Phone Number
ExxonMobil Company	**2220 Otay Lakes Rd., Chula Vista, CA**	**(619) 427-5260**
Jenna Lawrence		

Tank No	Size in Gal.	Contents	Closed in-Place/Removed?	Date
	Not Applicable			

III. Release and Site Characterization Information

Cause and type of release: **Unknown**		
Site characterization complete? **Yes**	Date approved by oversight agency: **5/27/03**	
Monitoring wells installed? **Yes**	Number: **8**	Proper screened interval? **Yes, except for MW1 and MW5.**
Highest GW depth BGS: **8.7 feet**	Lowest depth: **20.3**	Flow direction: **Varying from Southeast to Northwest.**
Most sensitive current use: **Municipal and Domestic Supply**		
Are drinking water wells affected? **No**	Aquifer name:	
Is surface water affected? **No**	Nearest/affected SW name:	
Off-site beneficial use impacts (addresses/locations):		
Report(s) on file? **Yes**	Where is report(s) filed? **OCHCA**	

Treatment and Disposal of Affected Material

Material	Amount (include Units)	Action (treatment or disposal/destination)	Date
Tank	**Not Applicable**		
Soil			
Water			

Jim Strozier

RECEIVED HCA/RH

JUN 02 2004

Case Closure Summary

Leaking Underground Fuel Storage Tank Program

Case#: 94UT017

Date: February 26, 2004

III. Release and Site Characterization Information (Continued)

Maximum Documented Contaminant Concentrations - - Before and After Cleanup									
Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (gas)	230	230	free product	9.2	MTBE (8260)	not analyzed	not analyzed	free product	<0.002
TPH (diesel)	<10	<10	free product	not analyzed	TBA	not analyzed	not analyzed	free product	0.082
Benzene	0.83	0.83	free product	0.204	DIPE	not analyzed	not analyzed	free product	<0.001
Toluene	0.54	0.54	free product	0.100	ETBE	not analyzed	not analyzed	free product	<0.001
Xylene	1.8	1.8	free product	0.827	TAME	not analyzed	not analyzed	free product	<0.001
Ethylbenzene	3.1	3.1	free product	0.874	Ethanol	not analyzed	not analyzed	free product	<1.0

Comments (Depth of Remediation, etc.): **The site was operated as a Mobil Service Station from 1967 to 1978. The station was demolished and the tanks were removed in April 1978. The property was then redeveloped as an American Savings Bank in 1978. Currently the site is an operating Washington Mutual Bank. The site is located on the northwestern corner of an intersection, with an operating Unocal Station on the southeastern corner and a former Chevron Station (now a Walgreens pharmacy) on the northeastern corner. A site assessment was conducted in September 1993 due to a pending property transaction. Eight soil borings (SB1 to SB8) were drilled and converted to monitoring wells (MW1 to MW8). Soil contamination was detected in the soil from 15 to 30** (continued next page)

IV. Closure

Does completed corrective action protect *existing* beneficial uses per the Regional Board Basin Plan? **Yes**		
Does completed corrective action protect *potential* beneficial uses per the Regional Board Basin Plan? **Yes**		
Does corrective action protect public health for current land use? **Yes (Site is a Bank)**		
Site management requirements: **None**		
Should corrective action be reviewed if land use changes? **Yes**		
Monitoring wells decommissioned: **NA**	Number decommissioned:	Number Retained: **8**
List enforcement actions taken: **None**		
List enforcement actions rescinded:		

V. Local Agency Representative Data

Name: **James Strozier**	Title: **Hazardous Waste Specialist**	
Signature: 2-26-04		Date: **2-26-04**

VI. RWQCB Notification

Date Submitted to RB:	RB Response: Concurs w/ Closure	
RWQCB Staff Name: **Ken Williams**	Title: **Senior Engineering Geologist**	Date:
Signature: Ken Williams	Chief, UST Section	4/27/04

VII. Additional Comments, Data, etc.

feet (maximum TPH 53 ppm, benzene 0.83 ppm) and groundwater contamination was detected in all the wells (maximum TPH 67 ppm, benzene 4.8 ppm). Additional borings were conducted in May and July 1995 to further assess the soil contamination. A maximum of 230 ppm TPH and 0.73 ppm of benzene was detected in samples from depths ranging from 5 to 15 feet. Also, a groundwater monitoring program was initiated and between March and September 1997, free product was detected in MW7 at up to 0.25 feet in thickness. 18 gallons of free product was removed by periodic pumpouts, and since then, no free product has been observed in any wells. Over the course of the monitoring period, dissolved phase concentrations of benzene have decreased in the most impacted well from 4.8 ppm to 0.33 ppm.

The consultant has presented several evaluations to demonstrate that the remaining groundwater contamination does not pose a risk to public health or groundwater resources (Environmental Resolutions; March 5, 2002 Request For Case Closure; May 20, 2003 Supplemental Case Closure Report; December 23, 2003 Fourth Quarter 2003 Groundwater Monitoring and Sampling Report and Request For Case Closure). Based on the evaluations, the consultant has made the following conclusions:

1. The aqueous phase saturation ratio (APSR) was used to evaluate whether petroleum hydrocarbons are present as non-aqueous phase liquid (NAPL) in the vadose zone, capillary zone, or saturated zones. Xylene was used to calculate the APSR. The presence of NAPL may be indicated if soil samples have xylene concentrations greater than 8.1 ppm in the vadose zone, or 13.5 ppm in the saturated zone. The highest concentration of xylene found in the vadose zone and saturated zone are .59 ppm (HA6A at 6.5 ft., total depth of boring 8.5 ft., 5/10/95) and 1.8 ppm (SB8 at 20 ft., total depth of boring 35 ft., 9/2/93), respectively. Based on the APSR guidelines, it is unlikely that NAPL is present in the soil vadose zone, capillary fringe, or saturated zone.

2. A survey of the water districts revealed that there are no municipal supply wells in the region of the site. The El Toro Water District and the Moulton Niguel Water District obtain all their water from the Metropolitan Water District.

3. A Mann-Kendall statistical analysis of the quarterly groundwater analytical data was performed to evaluate plume stability. TPHg and benzene concentration trends were analyzed in all eight of the on-site groundwater monitoring wells. The results of the analysis statistically confirm the overall decreasing trends of TPHg and benzene in groundwater.

4. Extrapolation of the average benzene concentrations for all wells during any given sampling event versus time was used to estimate the degradation time for benzene at the site. Based on one standard deviation of the average benzene concentration beneath the site from December 1996 forward, the average benzene concentration will be reduced to 5 ppb before December 2009.

5. MTBE has not been detected at the site for the past seven quarters, since the June 1, 2000 sampling event.

6. The closest surface water bodies that could be impacted by groundwater outflow are

VII. Additional Comments, Data, etc.

located at distances of approximately 1 mile or more from the site. Based on a plume transport study, the concentration of benzene in groundwater would have to be greater than its pure phase solubility (>1,780,000 ppb) before 1 ppb of benzene would be exceeded by the plume migrating to the nearest surface water body located 1 mile from the site. The model is a risk based corrective action computer modeling program (Groundwater Services, Inc., 1995-1997) that used a conservative model of dispersion and diffusion by Xu and Eckstein (1995) and Newell et al (1997). Since benzene has never been detected at levels even approaching 1,780,000 ppb, there does not appear to be a potential for impact to the closest surface water body.

7. Since fuel oxygenates were not used in gasoline products sold by ExxonMobil until the mid-1980's, and the USTs were removed from the site in 1978, the fuel oxygenates present in groundwater monitoring wells on the former Mobil station are more than likely from an offsite source. Two UST cleanup cases are located directly across the street from the former Mobil site.

Summary:

- The USTs were removed in 1978 and the site was redeveloped as a bank.
- The soil assessments conducted by the consultants show that only relatively low concentrations of hydrocarbons remain in the soil at the site. The consultant states that it is unlikely that NAPL is present in the soil vadose zone, capillary fringe, or saturated zone.
- The groundwater monitoring has shown that only relatively low concentrations of hydrocarbons remain in the groundwater at the site.
- The maximum benzene remaining in the groundwater at the site is 204 ppb.
- MTBE has not been detected in the groundwater during the last eight quarters of groundwater monitoring.
- The source of TBA remaining in the groundwater at the site is most likely from an offsite source, possibly from the Orange County Fire Station located north of the site. Low levels of MTBE from the fire station may have degraded to TBA which has shown up as a low level diving TBA plume.
- The well with the highest final TBA concentration (82 ppb) is surrounded by five non detect water table wells, and one water table well with 22.2 ppb TBA.
- It appears that TPH and BTXE in groundwater have degraded from free product to much lower concentrations (maximum of 9.2 ppm TPHg, 0.204 ppm benzene, 0.100 ppb toluene, 0.874 ppb ethylbenzene, and 0.827 ppm xylene.
- The site lies within the boundaries of the El Toro Water District. All drinking water within the district is currently obtained from the Metropolitan Water District. There are no known active production wells within one mile of the site. There are no current plans to develop the groundwater resources in the area.

VII. Additional Comments, Data, etc.

- **Six of the eight monitoring wells had decreasing benzene concentration trends. The R squared values for these trends are 0.58, 0.65, 0.45, 0.75, 0.20, and 0.12. Two of the eight monitoring wells' graphs of the benzene concentrations versus time have a regression line showing an increasing trend, with an R squared less than 0.1. However, the final benzene concentration for each of these wells (MW1 and MW7) are <0.001 and 0.073 ppm respectively. These final concentrations are well below the maximum concentrations found in each well of 36 ppb (MW1) and 150 ppb (MW7).**

- **Based on the evaluations from the consultant, it appears that there are no potential threats to surface waters or groundwater resources.**

- **No further corrective action or assessment is warranted and it is recommended that case be closed.**

D 12K

COUNTY OF ORANGE
HEALTH CARE AGENCY

REGULATORY HEALTH SERVICES
ENVIRONMENTAL HEALTH

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JULIETTE A. POULSON, RN, MN
DIRECTOR

DAVID L. RILEY
ASSISTANT DIRECTOR

MIKE SPURGEON
DEPUTY AGENCY DIRECTOR
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SANTA ANA, CA 92705-5611

TELEPHONE: (714) 433-6000
FAX: (714) 754-1732
E-MAIL: ehealth@ochca.com

June 6, 2005

Mike Bauer
Chevron Environmental Management Company
145 S. State College Blvd.
Brea, CA 92821-5818

Subject: **Remedial Action Completion Certification**

Re: Underground Storage Tank (UST) Case
Former Chevron Service Station No. 9-9384
24081 El Toro Road, Laguna Hills, CA
O.C.H.C.A. Case #85UT106

Dear Mr. Bauer:

This letter confirms the completion of site investigation and corrective action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this Agency was accurate and representative of site conditions, this Agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25296.10 of the Health and Safety Code.

Please contact James Strozier of our office at (714) 433-6264 if you have any questions regarding this matter.

Sincerely,

Steven Wong, REHS, MPH, Director
Environmental Health

SW:jcs
Attachment: Case Closure Summary

Ken Williams, Santa Ana Regional Water Quality Control Board
SB 562 Database, State Water Resources Control Board
Cleanup Fund Manager, State Water Resources Control Board
Larry Honeybourne, Environmental Health

Case Closure Summary

Leaking Underground Fuel Tank Program

I. Agency Information

Date: April 21, 2005

Agency Name: **Orange County Health Care Agency**	Address: **1241 E. Dyer Road**
City/State/Zip: **Santa Ana, CA 92705**	Phone: **(714) 433-6264**
Responsible staff person: **James Strozier**	Title: **Hazardous Waste Specialist**

II. Case Information

Site Facility Name: **Former Chevron Station No. 9-9384**		
Site Facility Address: **24081 El Toro Road, Laguna Hills, CA**		
RB LUSTIS Case No.:	Local Case No.: **RO0000791**	LOP Case No.: **85UT106**
URF Filing Date:	SWEEPS No.	
Responsible Party	Address	Phone Number
ChevronTexaco	**P.O. Box 2292, Brea, CA**	**(714) 671-3371**
Lisa Thompson		

Tank No	Size in Gal.	Contents	Closed in-Place/Removed?	Date
1	**9,000**	**Gasoline**	**Removed**	**1/09/86**
2	**8,000**	**Gasoline**	**Removed**	**1/09/86**
3	**4,000**	**Gasoline**	**Removed**	**1/09/86**
4,5,6	**10,000**	**Gasoline**	**Removed**	**2/10/95**

III. Release and Site Characterization Information

Cause and type of release: **Unknown**		
Site characterization complete? **Yes**	Date approved by oversight agency: **1/06/05**	
Monitoring wells installed? **Yes**	Number: **16**	Proper screened interval? **Yes, except MW-8 and MW-9**
Highest GW depth BGS: **9.2 feet**	Lowest depth: **18.5**	Flow direction: **Southeast**
Most sensitive current use: **Municipal and Domestic Supply**		
Are drinking water wells affected? **No**	Aquifer name:	
Is surface water affected? **No**	Nearest/affected SW name: **Aliso Creek**	
Off-site beneficial use impacts (addresses/locations):		
Report(s) on file? **Yes**	Where is report(s) filed? **OCHCA**	

Treatment and Disposal of Affected Material

Material	Amount (include Units)	Action (treatment or disposal/destination)	Date
Tank	**3 USTs**	**Unknown**	**1/09/86**
Tank	**3 USTs**	**Unknown**	**2/10/95**
Soil	**122 cubic yards**	**Unknown**	**1986 and 1995**
Soil Vapor	**22,829 pounds**	**Vapor Extraction System and Dual Phase Extraction**	**3/96 to 6/97 & May 2001**
Free Product	**1,892 Gallons**	**Skimmers and hand-bailing**	**7/91 to 7/95**

Case Closure Summary

Leaking Underground Fuel Storage Tank Program

Case#: **85UT106**

Date: **April 21, 2005**

III. Release and Site Characterization Information (Continued)

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (gas)	**3,520**	**3,520**	**free product**	**14**	MTBE (8020)	**not analyzed**	**<3.5**	**free product**	**not analyzed**
Benzene	**18**	**18**	**free product**	**1.2**	MTBE (8260)	**not analyzed**	**not analyzed**	**free product**	**0.100**
Toluene	**168**	**168**	**free product**	**0.780**	TBA	**not analyzed**	**not analyzed**	**free product**	**0.280**
Xylene	**295**	**252**	**free product**	**1.5**	DIPE	**not analyzed**	**not analyzed**	**free product**	**<0.020**
Ethylbenzene	**47.4**	**44**	**free product**	**0.610**	ETBE	**not analyzed**	**not analyzed**	**free product**	**<0.020**
					TAME	**not analyzed**	**not analyzed**	**free product**	**<0.020**

Comments (Depth of Remediation, etc.): **The Chevron station operated at this location from 1968 to 1995. During this period two generations of USTs were used to store fuel at the site. Two out of the first three tanks reportedly failed a tank integrity test in November 1985 and soil contamination was encountered during their removal in January 1986. In November 1985, six monitoring wells were installed at the site. In February 1986, three additional monitoring wells were installed (MW-2 was destroyed during the tank removal activities). These first wells contained free product ranging from 0.39 to 1.2 feet shortly following their installation. Only one soil sample was collected during the well installation and this sample contained 147 ppm TPH, 0.68 ppm benzene, and 30 ppm xylene. In July 1986, six more monitoring wells were installed offsite. A maximum** **(continued next page)**

IV. Closure

Does completed corrective action protect *existing* beneficial uses per the Regional Board Basin Plan? **Yes**		
Does completed corrective action protect *potential* beneficial uses per the Regional Board Basin Plan? **Yes**		
Does corrective action protect public health for current land use? **Yes (Site is a Drive-Thru Pharmacy)**		
Site management requirements: **None**		
Should corrective action be reviewed if land use changes? **Yes**		
Monitoring wells decommissioned: **3**	Number decommissioned:	Number Retained: **13**
List enforcement actions taken: **None**		
List enforcement actions rescinded:		

V. Local Agency Representative Data

Name: **James Strozier**	Title: **Hazardous Waste Specialist**	
Signature: 4-21-05 Kevin J. Hokes 4/22/05		Date: **4-21-05**

VI. RWQCB Notification

Date Submitted to RB:	RB Response: Concurs / Closure	
RWQCB Staff Name: **Ken Williams**	Title: **Senior Engineering Geologist**	Date:
Signature: Kenneth C. Williams	Chief, UST Section	5/3/05

VII. Additional Comments, Data, etc.

of 63 ppm TPH was detected in the soil samples (tests for BTXE were not conducted). No free product was detected in these offsite wells. Manual free product recovery had been started on site removing a total of 3.4 gallons and reducing product thickness to between 0.04 to 0.30 feet. In March 1987, a pump test of MW-4 was conducted and four groundwater samples were analyzed from this well. A maximum of 38 ppm TPH and 64 ppm benzene were detected. In September 1988, three additional monitoring wells were installed offsite. No soil samples were collected and no free product was detected in the wells. In November 1990, a free product recovery system was installed and began operation onsite. In April 1992, an additional groundwater monitoring well (MW-20) was installed offsite and three onsite borings were drilled. A maximum of 1,100 ppm TPH and 11 ppm benzene were detected in the borings. In February 1995, the three USTs were removed from the site and the station was demolished. A maximum of 3,200 ppm TPH and 3.9 ppm benzene were detected beneath the tanks. Fifty-four cubic yards of soil was removed and disposed during these operations. In July 1995, the free product recovery operations were discontinued and a total of 1,892 gallons of free product were recovered since operations began in July 1991.

In December 1995, eleven vapor extraction wells (SP1-SP11) were installed and in February 1996, a vapor extraction system was installed and began operation. The system operated until June 1997 and removed a total of 22,229 pounds of hydrocarbon vapor from the site. Six confirmation borings were drilled at the site and a maximum of 284 ppm TPH, 1.7 ppm benzene, 0.30 ppm MTBE and 0.420 ppm TBA were detected.

A post remediation groundwater monitoring program had been under way since the shut down of the VES system. In January 1998, a replacement well (MW-6B) was installed to replace a well that had been paved over. Soil samples collected showed a maximum of 14 ppm TPH, 0.30 ppm benzene, and 0.08 ppm MTBE. In February 2000, two wells (MW-1, MW-3) were abandoned and replaced. Soil samples detected a maximum of 3,520 ppm TPH, 18 ppm benzene, and ND MTBE. From 1999 to 2001, small amounts of free product began showing up in 3 offsite wells (MW-12, MW-15, MW-20) and one onsite well (MW-1). In May 2001, a 72 hour dual phase extraction test was conducted onsite and removed approximately 600 pounds of hydrocarbon vapor and 20,360 gallons of water. In addition, overpurging of MW-20 was conducted and removed 600 gallons of water.

No measurable free product has been observed in on or offsite wells for the past seven quarters. However, a sheen has been observed in some of the on and offsite wells during the past year. It appears that there remains trapped NAPL at the site that is continuing to be the source of the residual dissolved phase contamination and sheen present in the wells. The wells have continued to be sampled with the sheen present, and the maximum benzene, MTBE and TBA detected the last quarter were 1,200 ppb, 100 ppb and 280 ppb respectively.

The site lies within the boundaries of the El Toro Water District. All drinking water within the district is currently obtained from the Metropolitan Water District. There are no known active production wells within one mile of the site. There are no current plans to develop the groundwater resources in the area.

VII. Additional Comments, Data, etc.

The consultant for Chevron has presented several evaluations to demonstrate that the remaining groundwater contamination does not pose a risk to public health or groundwater resources (Science Applications International Corporation; December 29, 2004 Fourth Quarter 2004 Preliminary Site Conceptual Model). Based on the evaluations, the consultant has made the following conclusions and requested closure of the case:

1. **The El Toro Water District supplies all the drinking water to the portion of Lake Forest and Laguna Hills within a one mile radius of the site by importing their drinking water from the Metropolitan Water District. The El Toro Water District has no supply wells within a one mile radius of the site and using the State's database (Geotracker), no public supply wells were identified near the site.**

2. **A hydrogeologic evaluation addressing whether or not petroleum hydrocarbons in groundwater will migrate to surface waters was performed. The nearest existing surface waters are Aliso Creek located approximately 4,800 feet southeast of the site; Village Pond located approximately 5,300 feet north of the site; and Veek Reservoir located approximately 5,800 feet northwest of the site. There appears to be natural attenuation occurring within the subsurface as petroleum hydrocarbons in groundwater onsite have stabilized and are decreasing. Available hydrogeologic data indicates the site is not within a recharge area; groundwater within the vicinity is encountered within the semiperched water-bearing zones that are not regionally extensive; and no regionally extensive aquifers used as sources of drinking water exist within the site vicinity. In addition, the Lawrence Livermore National Laboratory plume study found that petroleum plume lengths tend to stabilize at relatively short distances, rarely exceeding 260 feet in length. All available data suggest that the dissolved-phase petroleum hydrocarbons in groundwater beneath the site will not migrate to any surface waters.**

3. **An assessment of underground corridors was evaluated as a potential migration pathway. Based on previous subsurface geophysical investigations, this potential pathway does not appear to be a concern at this site. There does not appear to be any underground conduits near the site that occur at or near the depth to groundwater.**

4. **An estimation of the approximate time it would take for MTBE concentrations in groundwater to degrade to below detectable levels was performed at the site. Actual time for natural attenuation to occur is dependent upon several site specific factors that include, but are not limited to, the available oxygen within the subsurface, the porosity of soils, the native bacterial fauna, the contaminant mass, groundwater chemistry, and groundwater flow dynamics. MTBE concentration average curve fits were plotted for all groundwater monitoring wells. These data indicate that by the end of 2008, MTBE concentrations are projected to have degraded to below the laboratory detection limits.**

5.. **Current site conditions indicate the site poses minimal risk to human health and /or the environment and should be evaluated for case closure.**

Summary:

- **The groundwater monitoring has shown that moderate to low concentrations of hydrocarbons remain in the groundwater at the site.**

VII. Additional Comments, Data, etc.

- **The maximum benzene remaining in the groundwater at the site is 1,200 ppb.**
- **The maximum MTBE and TBA remaining in the groundwater at the site is 100 ppb and 280 ppb respectively.**
- **It appears that the remedial actions conducted at the site have reduced groundwater contamination from free product to much lower concentrations.**
- **Approximately 22,829 pounds of hydrocarbon vapor have been removed from the soils at the site.**
- **The site lies within the boundaries of the El Toro Water District. All drinking water within the district is currently obtained from the Metropolitan Water District. There are no known active production wells within one mile of the site. There are no current plans to develop the groundwater resources in the area.**
- **Based on the evaluations from the consultant, it appears that there are no potential threats to surface waters or groundwater resources.**
- **No further corrective action or assessment is warranted and it is recommended that case be closed.**

TRC

Customer-Focused Solutions

July 18, 2006

Orange County Health Care Agency
Hazardous Materials Management Section
Environmental Health Division
1241 East Dyer Road, Suite 120
Santa Ana, California 92705-5611

ATTN: MR. JAMES STROZIER

SITE: 76 STATION 5408
24082 EL TORO ROAD
LAGUNA HILLS, CALIFORNA

RE: REVISED VAPOR SURVEY AND GROUNDWATER EVALUATION REPORT

Dear Mr. Strozier:

On behalf of ConocoPhillips, TRC Solutions (TRC) submits this revised vapor survey and groundwater evaluation report for the above-referenced site. If you have any questions regarding this report, please call me at (858) 505-8881.

Sincerely,

TRC

Jerome Jaminet, Jr.
Senior Project Scientist

cc: Rich Solomon, ConocoPhillips Company
Cynthia Wagner, Union Bank-Orange
Jill Matthews, The Muller Company

600614; g:/projects/76prod/5408/assessment/2005 vapor survey/5408 revised vapor survey

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REVISED VAPOR SURVEY AND GROUNDWATER EVALUATION REPORT

July 18, 2006

76 Station 5408
24082 El Toro Road
Laguna Hills, California
OCHCA Case No. 90UT56

Project No. 600614

Prepared For:

CONOCOPHILLIPS

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1.0 INTRODUCTION

This report presents the results of a soil vapor survey and groundwater evaluation for the 76 Station 5408 (site), located at 24082 El Toro Road in Laguna Hills, California (Figure 1). This report was initially submitted to the Orange County Health Care Agency (OCHCA) on January 20, 2006, but has been revised and resubmitted in order to include the following additional data in the groundwater evaluation portion of this report:

- Include dissolved-phase tertiary butyl alcohol (TBA) concentration trends in the groundwater evaluation;
- Compare groundwater elevation trends to dissolved-phase benzene, methyl tertiary butyl ether (MTBE) and TBA concentration trends; and
- Add a distal well (MW-20) to the evaluation of dissolved-phase benzene, MTBE, and TBA concentrations over time.

A revised report was submitted on June 13, 2006, but based on agency clarifications of its request for modifications, this report has been revised again for submittal.

England Geosystems submitted a workplan dated February 23, 2005 proposing confirmation soil borings. The OCHCA rejected the workplan since confirmation soil borings have previously been completed, but subsequently requested verbally that the other closure activities such as vapor monitoring and a groundwater plume evaluation be conducted.

2.0 SITE SETTING

2.1 SITE DESCRIPTION

The site is an active service station in on the southeast corner of El Toro Road and Paseo de Valencia in Laguna Hills, California. The station consists of two 12,000-gallon gasoline underground storage tanks (USTs), one 500-gallon waste oil UST, 4 product dispensers, and a three bay service station building (Figures 2 and 3).

2.2 LOCAL GEOLOGIC SETTING

The site is located on the southeastern edge of the Los Angeles Basin. Alluvial deposits of the Los Angeles Basin are present at the north border of the San Juan Capistrano Quadrangle and give way along the southern portion of the north border to the hills of the Santa Ana Mountains and San Joaquin Hills. The San Juan Capistrano quadrangle is made up of Tertiary marine and nonmarine sediments ranging from the Late Eocene to Pliocene which are overlain by Pleistocene to Holocene surficial deposits (England Geosystems, 2000).

The groundsurface elevation is approximately 360 feet above mean sea level. The topography of the vicinity of the site prior to development consisted of low rolling hills and small drainage swells. The site and vicinity immediately surrounding the site are located on artificial fill material used during grading activities. Fill material consists predominantly silty sand and sandy clay from the surface to 7.5 feet below grade (fbg). The fill material is underlain by Quarternary alluvium and nonmarine terrace deposits. The terrace deposits are underlain predominantly by the Pliocene Niguel Formation, which is a light-colored, fine- to coarse-grained sandstone with interbedded siltstone. The Pliocene Niguel Formation has a maximum thickness of approximately 350 feet and is underlain by siltstones of the Capistrano and Monterey Formations to a depth of approximately 1,000 fbg (England Geosystems, 2000).

2.3 LOCAL HYDROGEOLOGIC SETTING

Based on a review of the California Regional Water Quality Control Board (CRWQCB) Water Quality Control Plan for the San Diego Region, the site lies within the Aliso Hydrologic Subarea of the Laguna Hydrologic Area, which is in the San Juan Hydrologic Unit. The Aliso Hydrologic Subarea is listed as having the following existing beneficial groundwater uses: municipal and agricultural (CRWQCB, 1994).

The site is located over an alluvial groundwater basin as defined by the California Department of Water Resources (CDWR) and, therefore, is located over a basin considered by the CRWQCB to be a "sensitive aquifer" and an area designated as "most vulnerable to groundwater contamination" (CDWR, 1975; CRWQCB, 1996 and 2000; California State Water Resources Control Board [CSWRCB], 2000; and State of California Teale Data Center, undated).

2.4 AREA GROUNDWATER USAGE

The El Toro Water District was contacted to verify the beneficial use potential for ground water in the site vicinity. The district verified that there are no active wells within the district boundaries. Based on information provided by Robert Hill, the Assistant General Manager of Operations and Engineering for the district, any beneficial future use of ground water is highly unlikely because of the low yield and high dissolved solids content of ground water within the district boundaries. Drinking water for the district is supplied by the Los Angeles Metropolitan Water District. The source of drinking water is the Colorado River, which is transported to the El Toro Water District from the Deemer Filtration plant located in Yorba Linda, California. Therefore, the likelihood of present or potential future beneficial usage of ground water within the district boundaries is very low. With respect to the 76 Service Station site, the district boundary line in the down-gradient direction is approximately one mile south of the site (England Geosystems, 2001).

3.0 BACKGROUND

Site assessment activities were initiated in 1989 when hydrocarbon-impacted soil and groundwater was encountered during initial site assessment activities. Groundwater was encountered at approximately 16 fbg. Subsequent investigations resulted in the installation of 23 onsite and offsite monitoring wells and 17 vadose zone vapor extraction wells (England and Associates, 2000).

Groundwater monitoring and sampling has been conducted at the site since 1990. Maximum concentrations of total purgeable petroleum hydrocarbons (TPPH), benzene, methyl tertiary butyl ether (MTBE), and tertiary butyl alcohol (TBA) during the Third Quarter 2005 were 23,000 micrograms per liter (ug/l), 300 ug/l, 500 ug/l, and 1,700 ug/l, respectively. No liquid-phase hydrocarbons (LPH) have been detected at the site since May 1996 (sheen in MW-2) (TRC, 2005). See Appendix A for additional details.

Soil vapor extraction was initiated at the site in July 1992. The vapor extraction system was upgraded to dual-phase extraction in 1996. System operations continued until October 1999 at which time over 37,000 pounds of hydrocarbon vapor had been extracted (England and Associates, 2000).

Five confirmation borings were advanced in April 2000. Maximum concentrations in soil were 1,700 milligrams per kilogram (mg/kg) of total petroleum hydrocarbons with gasoline distinction (TPHg), 2.9 mg/kg benzene, and 13 mg/kg of methyl tertiary butyl ether (MTBE) (England and Associates, 2000).

In September of 2001, England Geosystems performed an off-site risk characterization at the Union Bank of California (UBOC) property south of the 76 station. The purpose of the investigation was to determine if there were any health risks on the UBOC property associated with the release of gasoline from the 76 Station. The investigation included: (1) a soil vapor survey on the UBOC property, (2) a geoprobe soil boring investigation to determine whether free product present on the UBOC property, (3) installation of two ground water monitoring wells in two of the geoprobe borings, and (4) a review of potential conduits that may provide preferential pathways for migration of free product. The results of the investigation indicated there is no significant risk to human health or the environment at the UBOC property (England Geosystems, 2001).

In November of 2004, ground water monitoring wells MW-8 and MW-12 were abandoned. These wells had been damaged beyond repair by construction activities at the site (England Geosystems, 2005).

4.0 OBJECTIVE

The objective of the work presented herein was to complete the remaining assessment activities necessary for regulatory closure of the unauthorized release case at this site, which included a soil vapor survey in utilities surrounding the site and a groundwater plume stability evaluation.

5.0 UTILITY VAULT SURVEY

On September 13 and 20, 2005, soil vapor readings were collected from utility boxes around the perimeter of the site using a photoionization detector (PID) which was calibrated with hexane. These measurements were collected to determine if volatile organic compounds (VOCs), potentially including petroleum hydrocarbons, had accumulated over time in utility vaults surrounding the site. Measurements were collected by opening each utility box and inserting the PID probe within the box for several seconds until a stable reading was obtained. Concentrations ranged from 0 to 761 parts per million by volume (ppmv). Maximum concentrations ranging from 179 to 761 ppmv were detected in TV/cable, sewer, and storm drain vaults. These concentrations are approximately 6% or less than the lower explosive limit (LEL) for gasoline, which is approximately 12,000 to 14,000 ppmv. Hydrocarbon odors were not detected by the field technician.

In order to evaluate the elevated vapor concentrations detected in September 2005, another set of soil vapor readings were collected from utility boxes around the perimeter of the site on December 28, 2005 using a PID as well as a flame ionization detector (FID) probe. Concentrations ranged from 0.0 to 4.9 ppmv in the utility vaults surrounding the site. These concentrations are approximately 0.4% or less than the LEL for gasoline. Hydrocarbon odors were not detected by the field technician, although some unidentified odors were noted around the sewers. The reason for the difference in concentrations between the two events is not clear, but it is possible that moisture, dust, or other gases may have interfered with the PID during the previous monitoring. TRC's level of confidence in the December 2005 results are high since the event was conducted with both PID and FID probes. See Figures 2 and 3, Table 1, and Appendix B for additional details.

6.0 DISSOLVED-PHASE PLUME STABILITY

TRC has prepared several graphs to illustrate our current understanding of plume stability and degradation. The correlation coefficient, R^2, has been plotted on all the graphs. R^2 measures the percentage of variation in concentration that can be potentially attributed to distance (concentration versus distance graphs) or time (concentration versus time). R^2 is used as a general indicator of goodness of fit and is included herein as a matter of conformance to industry and published standards. In general, values close to 1 indicate a good fit and values close to zero indicate a poor fit. However, the R^2 value is highly dependent on the slope of the trend line and anomalous data points. In general, wells

located further down gradient from the source will have low slope concentration versus time trend lines since benzene, MTBE, and TBA concentrations are relatively lower in the distant wells. One anomalous value on a low slope trend line will result in a low R^2. Anomalous data is very common in groundwater concentrations due to the nature of the source and groundwater relationship and the inherent variability in sampling technique and laboratory methods. Variations in the depth to water relative to the source can cause dramatic changes in groundwater concentrations from season to season and/or from normal rainfall years to drought years.

6.1 CONCENTRATION VERSUS DISTANCE

Graphs 1, 2, and 3 show benzene, MTBE, and TBA concentrations, respectively, as a function of distance from the potential source zones and address the issue of plume stability. Groundwater data used in the graphs is included in Appendix A. Wells MW-5, MW-20, MW-21, MW-27, and MW-24 or MW-25 are plotted on the graphs despite the uncertainty over the source of these downgradient concentrations (Figure 2). The graphs plot the average concentration of all sampling events for each well and plot the concentrations during the most recent four quarters of sampling against each well's distance from the interpreted source. Tables 2, 3, and 4 indicate benzene, MTBE, and TBA concentrations versus distance from the source zone for wells used in Graphs 1, 2, and 3 based on dissolved-phase concentrations through April 25, 2006 (Appendix A).

The primary source of the dissolved-phase benzene, MTBE, and TBA plumes are assumed to be the USTs based on the elevated concentrations identified in soil samples. A comparison of recent concentrations to the long term average concentrations indicates that source area concentrations have generally declined by at least an order of magnitude while downgradient concentrations are generally consistent with the long term average. Only the TBA concentrations are generally higher than the long term average concentrations in downgradient wells. If a trendline were applied to the recent data, the trendline would be generally flat or rising (Graphs 1A, 2A, and 3A). However, this would be deceiving in that it would appear to indicate the plume is migrating further offsite than in the past. Except for MTBE in well MW-24, this is not supported by the data, which indicates that the flattening of the trendline slope (relative to what would be generated by a trendline of the average concentrations) is primarily due to the source area reductions in concentration, not a substantial increase in downgradient concentrations. The plume appears to remain stable and, over time, downgradient concentrations would be anticipated to diminish similar to current declines in source area concentrations such that the size of the plume would correspondingly decrease.

6.2 CONCENTRATION VERSUS TIME

Graphs 4 through 17 chart dissolved-phase benzene, MTBE, and TBA concentrations in individual wells versus time. Wells MW-2 and MW-9 were selected as source area wells, Wells MW-5, MW-10 and MW-27 were selected as midplume wells, and Wells MW-20 and MW-24 were selected as distal wells in order to provide the best indications of

degradation rates. A best-fit trend line was generated and used to estimate the overall trend of concentrations and the time when dissolved-phase concentrations would fall below the MCL. The trend lines for benzene, MTBE, and TBA generally slope downward indicating a degrading plume. One exception is for MTBE in Well MW-24 (Graph 14) in which the trend line slopes upward indicating an increasing trend over time. Another exception is for TBA in Well MW-27 (Graph 17), which shows a flat to slightly rising slope. Based on the decreasing trends in upgradient wells closer to source areas, it is anticipated that, over time, the concentrations of MTBE in Well MW-24 and TBA in Well MW-27 will also decrease and reach MCLs.

Based on these graphs, the time to reach MCLs generally ranges from already at MCL concentrations to a maximum of 33 years (benzene in MW-2 and MW-9). The time to reach the MCL for MTBE in Well MW-24 can not be estimated based on the graph, but it is anticipated that future degradation would follow a similar pattern as upgradient Well MW-27. Based on the previously described research into groundwater use in the area, TRC believes that greater accuracy in the estimated times is not necessary. Dissolved-phase concentrations used in the graphs are included in Appendix A.

The R^2 values ranged from 0.0042 to 0.8138 (dimensionless) for the concentration versus time graphs (Graphs 4 through 17). Low R^2 values for Wells MW-9 and MW-27 can be attributed to the low slope of the lines and the variability of the data.

7.0 SUMMARY OF FINDINGS AND DISCUSSION

7.1 UTILITY VAULT SURVEY

During the initial vapor survey of utility vaults at the site on September 13 and 20, 2005, maximum concentrations ranging from 179 to 761 ppmv were detected in the TV/cable, sewer and storm drain vaults. In an attempt to verify these results, another vapor survey of the utility vaults was conducted on December 28, 2005 using both a PID and FID probe. Concentrations during the December 2005 survey ranged between 0.0 to 4.9 ppmv. The reason for the difference in concentrations between the two events is not clear, but it is possible that moisture, dust, or other gases may have interfered with the PID during the previous monitoring event. TRC's level of confidence in the December 2005 results are higher since the event was conducted with both PID and FID probes. See Figures 2 and 3, Table 1, and Appendix B for additional details.

7.2 DISSOLVED-PHASE PLUME STABILITY

Based on the current evaluation, it appears that the dissolved-phase plume is generally stable and, over time, downgradient concentrations would be anticipated to diminish similar to declines in source area concentrations already evident in groundwater sampling results. Although concentrations initially do not appear to attenuate well with distance when only the last year's data is graphed, this is primarily because the attenuation in

source area wells such as MW-5 cause the trendline to have a flat slope, giving the mistaken appearance that the plume may have migrated further downgradient. This does not appear to be evidence of a detached plume migrating further offsite, but rather an artifact of declining source area concentrations. When the long term average concentration is graphed for the same wells, which includes the high source area concentrations from historical sampling events, the trendline shows a dissolved-phase plume attenuating with distance that is more consistent with the tendency of passive bioremediation to stabilize a hydrocarbon plume's length and mass as documented in the Lawrence Livermore National laboratory study (LLNL, 1995; Graphs 1-3, Tables 2-4).

Natural attenuation is occurring as evidenced by the stability of the plume and declining concentrations in source area wells. Because of this, TRC has a relatively high confidence in the conclusion that overall the plume is degrading and will reach MCLs within a reasonable time frame, estimated to be within approximately 33 years for most wells. Based on the previously described research into groundwater use in the area, TRC believes that greater accuracy in the estimated times is not necessary. The hydrocarbon plume from the 76 station does not appear to pose a threat to any reasonably anticipated beneficial use of groundwater.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The results of the utility vault survey do not appear to indicate a risk of explosive atmospheres.

Given that groundwater is not being used and appears unlikely to be used in the future as well as the results of the plume stability evaluation, this site appears to satisfy all the criteria for closure as a low risk groundwater case.

Based on these results, TRC recommends closure of the unauthorized release case.

9.0 LIMITATIONS

The activities summarized in this report have been performed in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in the area. No warranty, express or implied, is made regarding the conclusions, recommendations, and professional opinions presented in this report. The conclusions and recommendations are based solely upon analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified and additional recommendations, if required, will be provided.

10.0 REFERENCES

California Department of Water Resources (CDWR), 1975, California's Ground Water, Bulletin No. 118, The Resources Agency, State of California.

California Regional Water Quality Control Board (CRWQCB), San Diego Region, 1994, Water Quality Plan for the San Diego Basin (9), San Diego Region.

CRWQCB, 1996, San Diego Regional Board Supplemental Instructions to State Water Board December 8, 1995, Interim Guidance on Required Cleanup at Low-Risk Fuel Contaminated Sites, April 1.

CRWQCB, 2000, Definition of Areas Most Vulnerable to Ground-Water Contamination in the San Diego Region, July 5, 2000.

California State Water Resources Control Board (CSWRCB), 2000, Guidelines for Investigation and Cleanup of MTBE and Other Ether-Based Oxygenates, Final Draft, April 11, 2000.

State of California Teale Data Center (Teale), Maps of County Water Authority and Water Districts overlain Groundwater Basins in California as presented in CDWR (1975), undated.

England Geosystems, 2000, Confirmation Sampling Report, 76 Service Station No. 5408, 24082 El Toro Road, Laguna Hills, California, June 28.

England Geosystems, 2001, Offsite Risk Characterization Report, 76 Service Station No. 5408, 24082 El Toro Road, Laguna Hills, California, October 29.

England Geosystems, 2005, Well Destruction Report, 76 Service Station No. 5408, 24082 El Toro Road, Laguna Hills, California, February 1.

TRC, 2005, Quarterly Monitoring and Sampling Report, July through September 2005, 76 Station 5408, 24082 El Toro Road, Laguna Hills, California, forthcoming.

FIGURES

0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000

N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
San Juan Capistrano Quadrangle

VICINITY MAP

76 Station 5408
24082 El Toro Road
Laguna Hills, California

TRC

FIGURE 1

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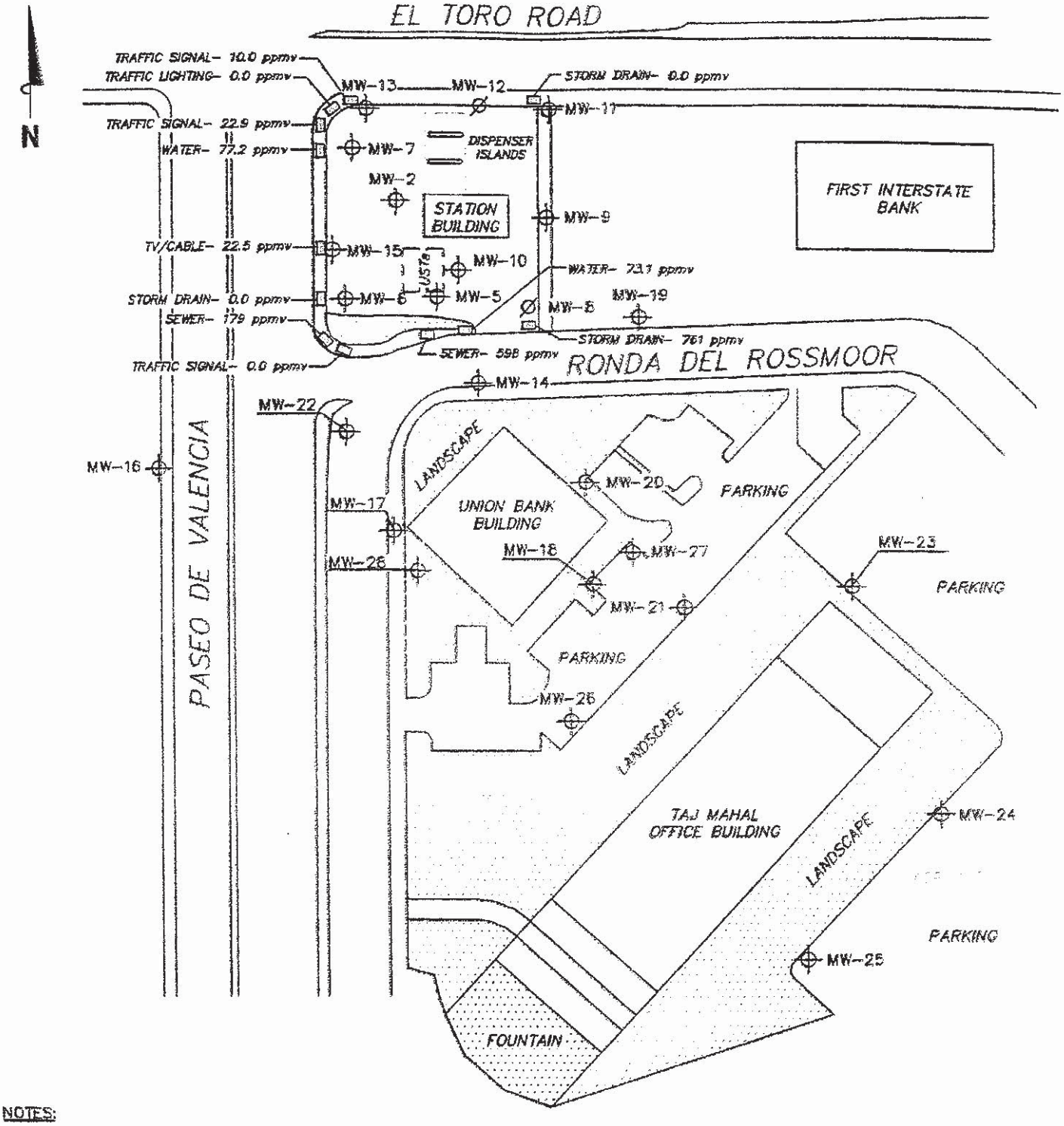

NOTES:

Modified from a map provided by Gettler-Ryan, Inc., dated 08/00.
UST = underground storage tank.
ppmv = parts per million by volume.

LEGEND

MW-28 Monitoring Well

SITE PLAN WITH SOIL VAPOR READINGS FROM UTILITY VAULTS
September 13 and 14, 2005

76 Station 5408
24082 El Toro Road
Laguna Hills, California

TRC

SCALE (FEET)
0 100

FIGURE 2

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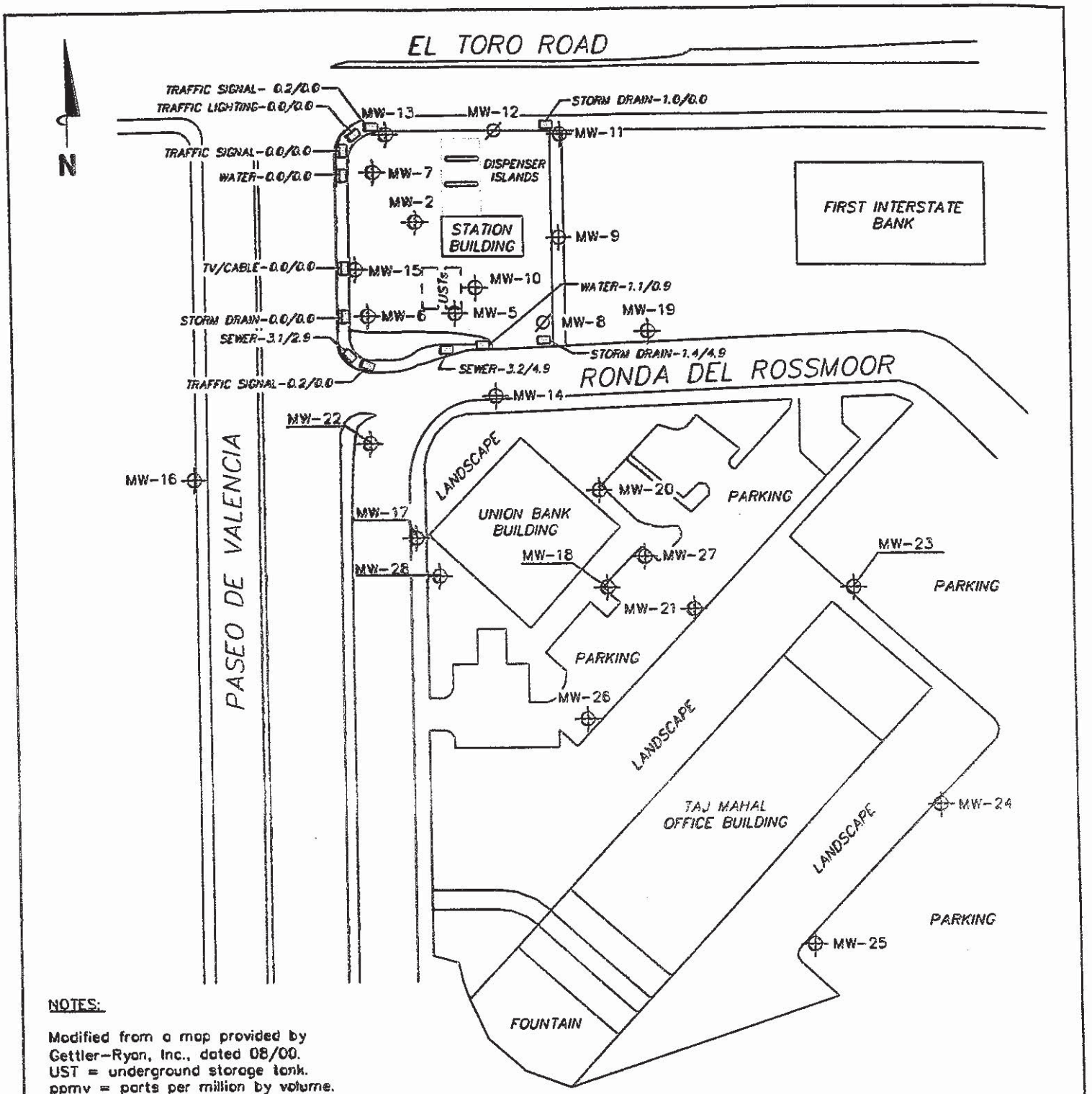

NOTES:

Modified from a map provided by Gettler-Ryan, Inc., dated 08/00.
UST = underground storage tank.
ppmv = parts per million by volume.
PID = photo ionization detector.
FID = flame ionization detector.

LEGEND

MW-28 Monitoring Well

Utility Vault with PID/FID Concentrations in ppmv

SITE PLAN WITH SOIL VAPOR READINGS FROM UTILITY VAULTS
December 28, 2005

76 Station 5408
24082 El Toro Road
Laguna Hills, California

TRC

SCALE (FEET)
0 100

FIGURE 3

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TABLES

TABLE 1
UTILITY VAULT SURVEY RESULTS
76 STATION 5408
December 28, 2005

Utility Vault	Location	September 13 or 20, 2005	December 28, 2005	
		PID Readings	PID Readings	FID Readings
Storm Drain	Northeast corner of site adjacent to MW-1	0.0	1.0	0.0
Traffic Signal	Northwest corner of site near intersection	10	0.2	0.0
Traffic Lighting	Northwest corner of site near intersection	0.0	0.0	0.0
Traffic Signal	Northwest corner of site near intersection	22.9	0.0	0.0
Water	Northwest corner of site near intersection	77.2	0.0	0.0
TV/Cable	Western edge of site near MW-15	225	0.0	0.0
Storm Drain	Western edge of site near MW-6	0.0	0.0	0.0
Sewer	Southwestern corner of site	179	3.1	2.9
Traffic Signal	Southwestern corner of site	0.0	0.2	0.0
Sewer	Southern edge of site near MW-5	598	3.2	4.9
Water	Southern edge of site near MW-5	73.1	1.1	0.9
Storm Drain	Southeastern corner of site	761	1.4	4.9

Notes:
ppmv = parts per million by volume
PID = photoionization detector
FID = flame ionization detector
All concentrations measured in ppmv.

TABLE 2
BENZENE CONCENTRATIONS VS. DISTANCE
76 Station 5408

Sample Date	MW-5 (ug/l)	MW-14 (ug/l)	MW-20 (ug/l)	MW-27 (ug/l)	MW-21 (ug/l)	MW-24 (ug/l)	MW-25 (ug/l)
Most Recent Concentration (4/25/06)	120	16*	11	270	0.89**	ND<0.5	ND<0.5
Minimum Concentrations	4.3	0.75	2.2	6.4	0.89	ND<0.3	ND<0.3
Maximum Concentrations	15,000	9,860	840	6,800	2,500	2.2	11
Average Concentrations:	2,722	2,374	226	1,759	642	0.5	0.9
Distance from USTs as source (feet):	10	70	160	220	310	490	520

Notes:
UST = underground storage tank
ND = not detected at or above laboratory detection limit
ug/l = micrograms per liter
* = Last sample collected on 5/24/05.
** = Last sample collected on 3/16/06.

TABLE 3
MTBE CONCENTRATIONS VS. DISTANCE
76 Station 5408

Sample Date	MW-5 (ug/l)	MW-14 (ug/l)	MW-20 (ug/l)	MW-27 (ug/l)	MW-21 (ug/l)	MW-24 (ug/l)	MW-25 (ug/l)
Most Recent Concentration (4/25/06)	2.9	7.9*	5.0	120	52**	320	ND<0.5
Minimum Concentrations	ND<0.5	7.9	ND<0.5	6.3	ND<0.5	1.3	ND<0.5
Maximum Concentrations	100,000	4,500	4,700	1,800	83	500	19
Average Concentrations:	14,175	1,083	961	380	30.1	151	1.5
Distance from USTs as source (feet):	10	70	160	220	310	490	520

Notes:
UST = underground storage tank
ND = not detected at or above laboratory detection limit
ug/l = micrograms per liter
MTBE = methyl tertiary butyl ether
* = Last sample collected on 5/24/05.
** = Last sample collected on 3/16/06.

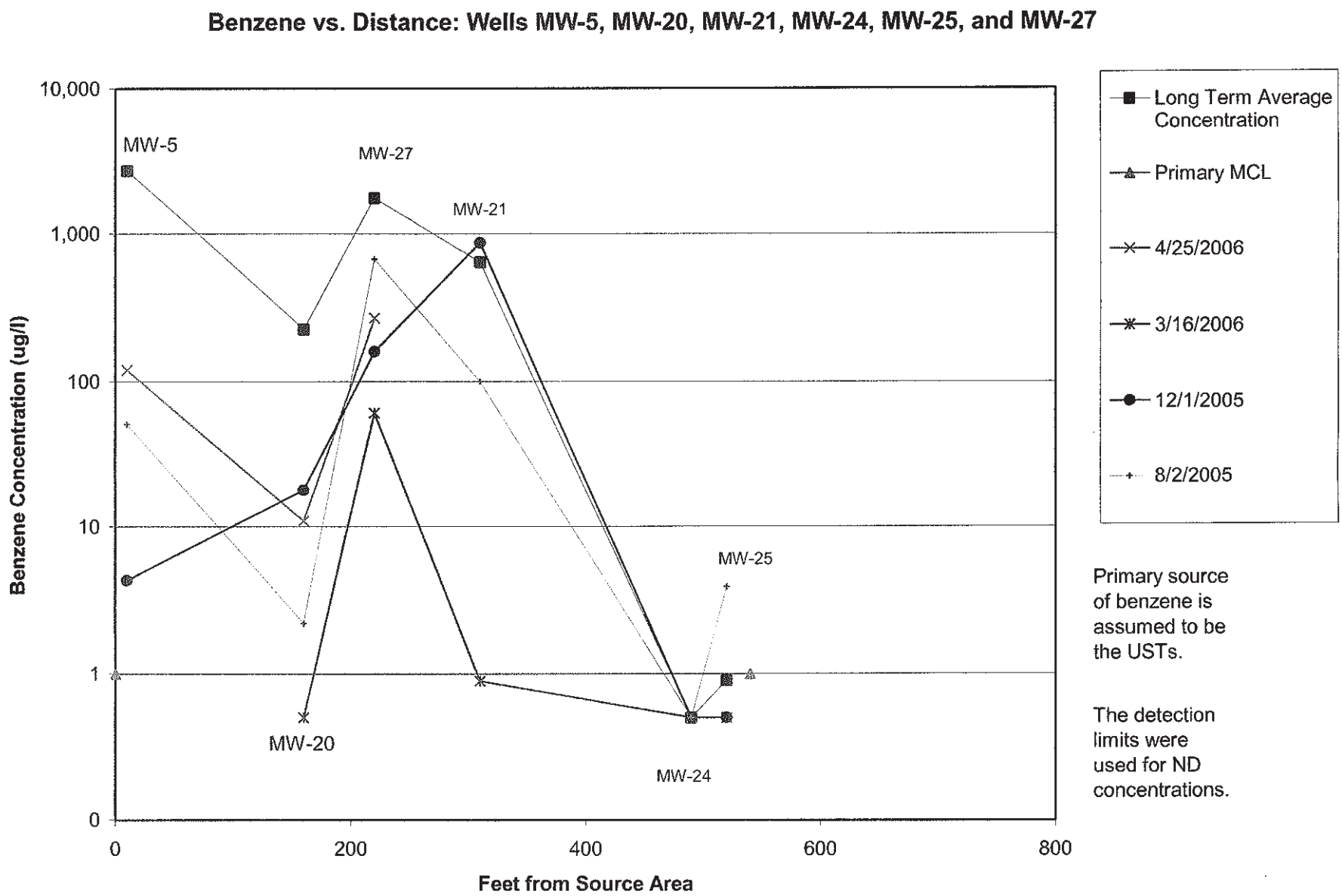
TABLE 4
TBA CONCENTRATIONS VS. DISTANCE
76 Station 5408

Sample Date	MW-5 (ug/l)	MW-14 (ug/l)	MW-20 (ug/l)	MW-27 (ug/l)	MW-21 (ug/l)	MW-24 (ug/l)	MW-25 (ug/l)
Most Recent Concentration (4/25/06)	ND<10	ND<50*	790	550	170**	ND<10	ND<10
Minimum Concentrations	ND<10	ND<12	ND<50	ND<50	ND<12	ND<10	ND<10
Maximum Concentrations	2,300	1,400	11,000	1,800	1,000	ND<50	ND<50
Average Concentrations:	180	637	3,650	237	102	ND<10	ND<10
Distance from USTs as source (feet):	10	70	160	220	310	490	520

Notes:
UST = underground storage tank
ND = not detected at or above laboratory detection limit
ug/l = micrograms per liter
TBA = tertiary butyl alcohol
* = Last sample collected on 5/24/05.
** = Last sample collected on 3/16/06.

GRAPHS

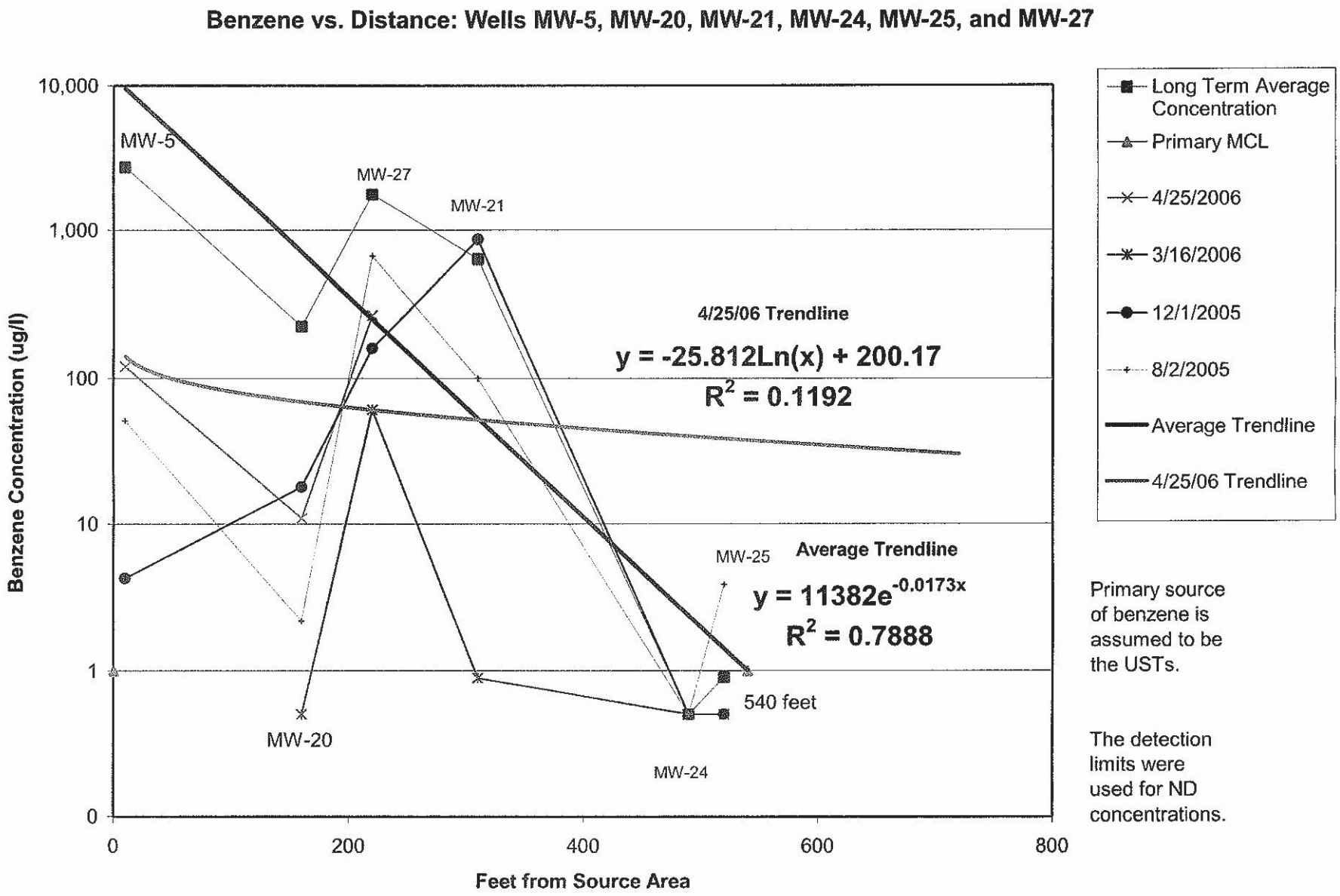
Graph 1



Primary source of benzene is assumed to be the USTs.

The detection limits were used for ND concentrations.

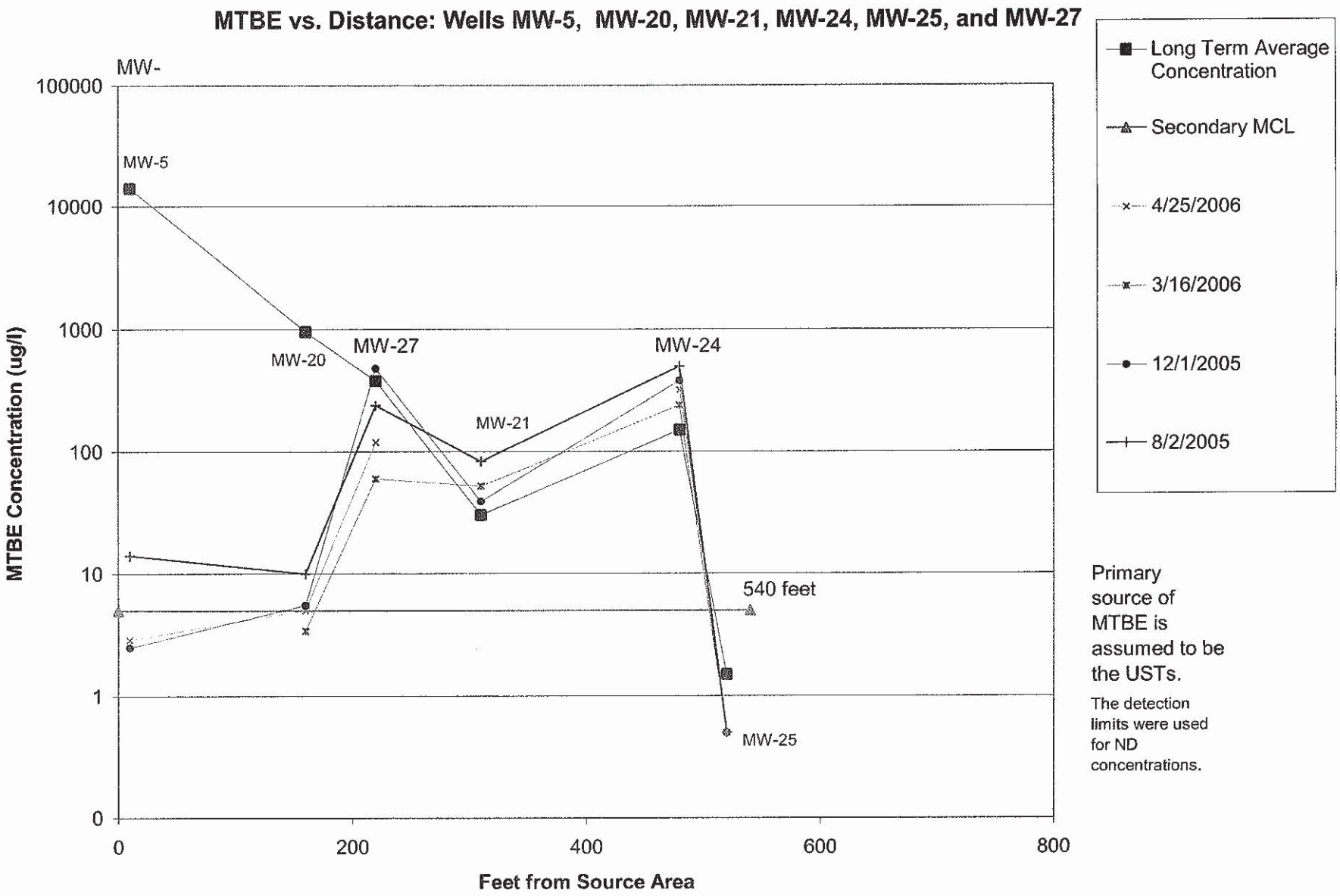
Graph 1A



Primary source of benzene is assumed to be the USTs.

The detection limits were used for ND concentrations.

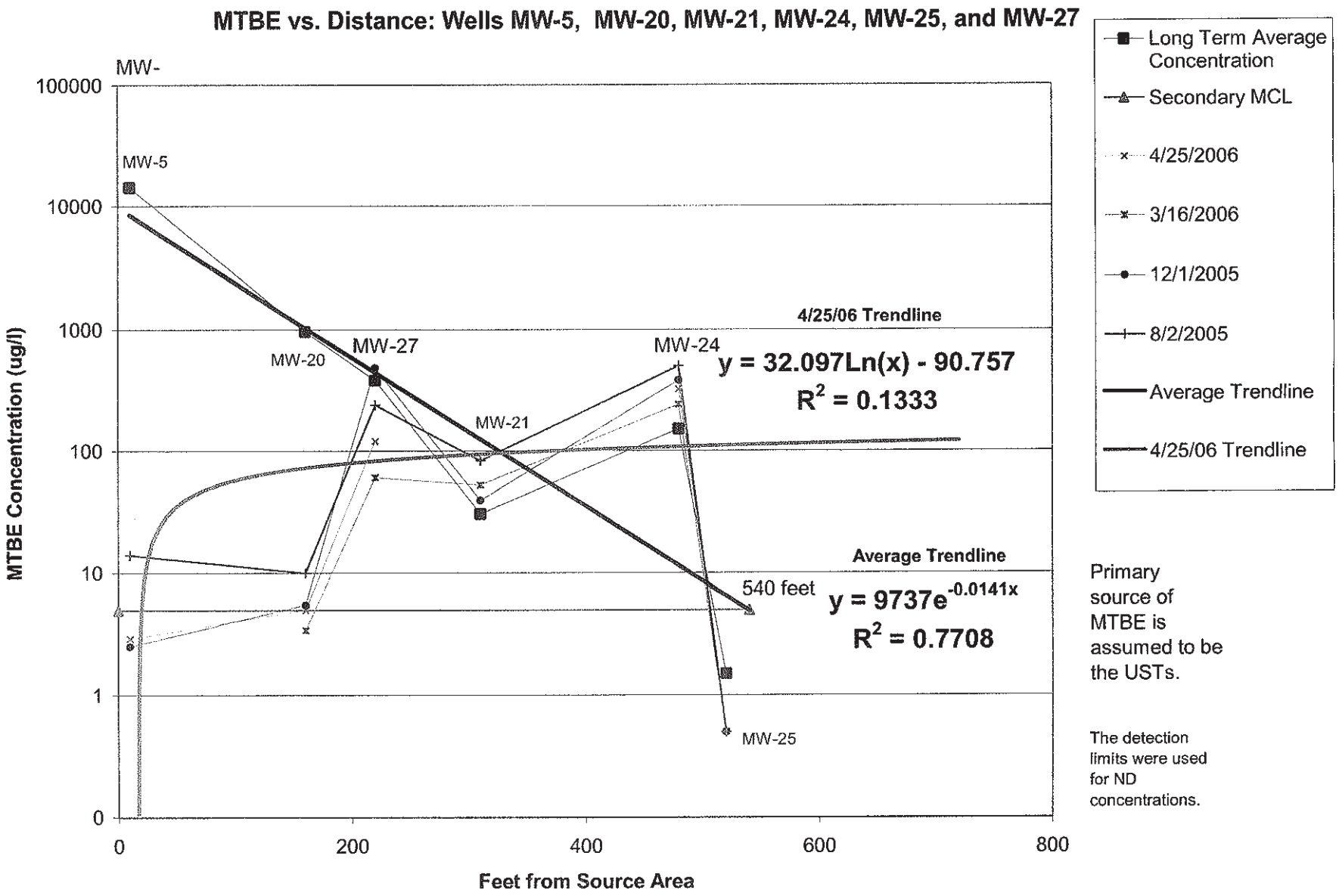
Graph 2



Primary source of MTBE is assumed to be the USTs.

The detection limits were used for ND concentrations.

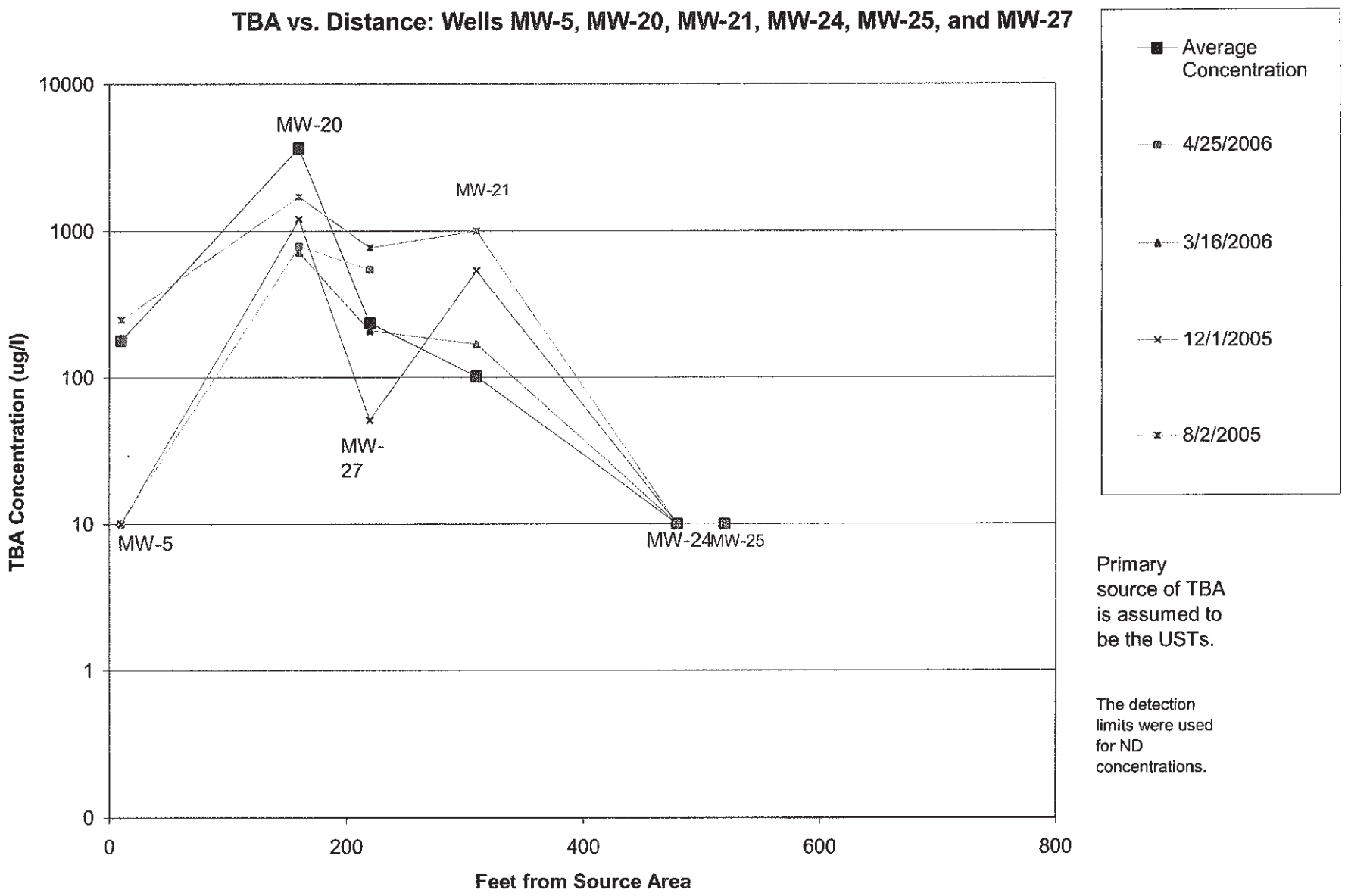
Graph 2A



Primary source of MTBE is assumed to be the USTs.

The detection limits were used for ND concentrations.

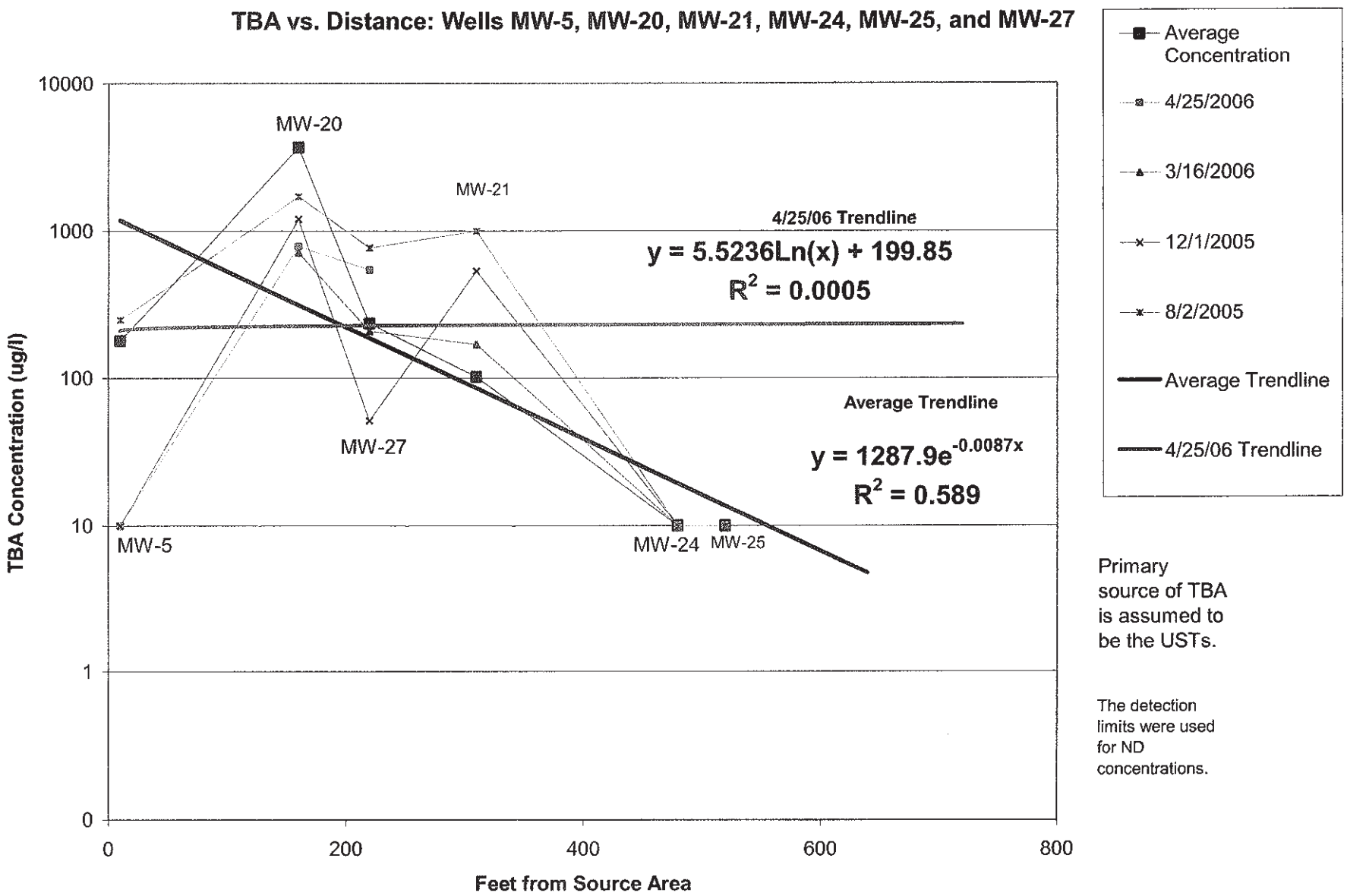
Graph 3



Primary source of TBA is assumed to be the USTs.

The detection limits were used for ND concentrations.

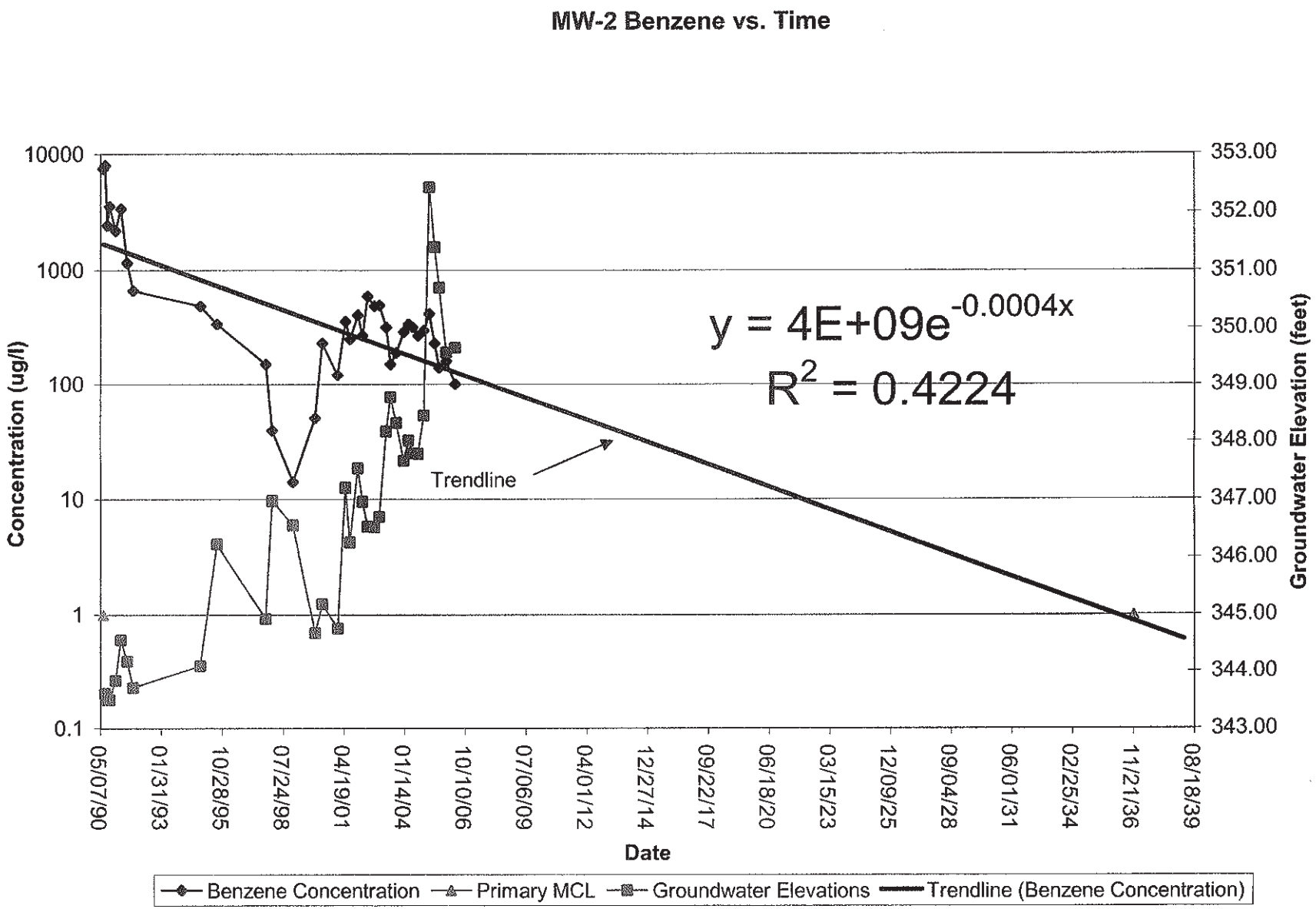
Graph 3A



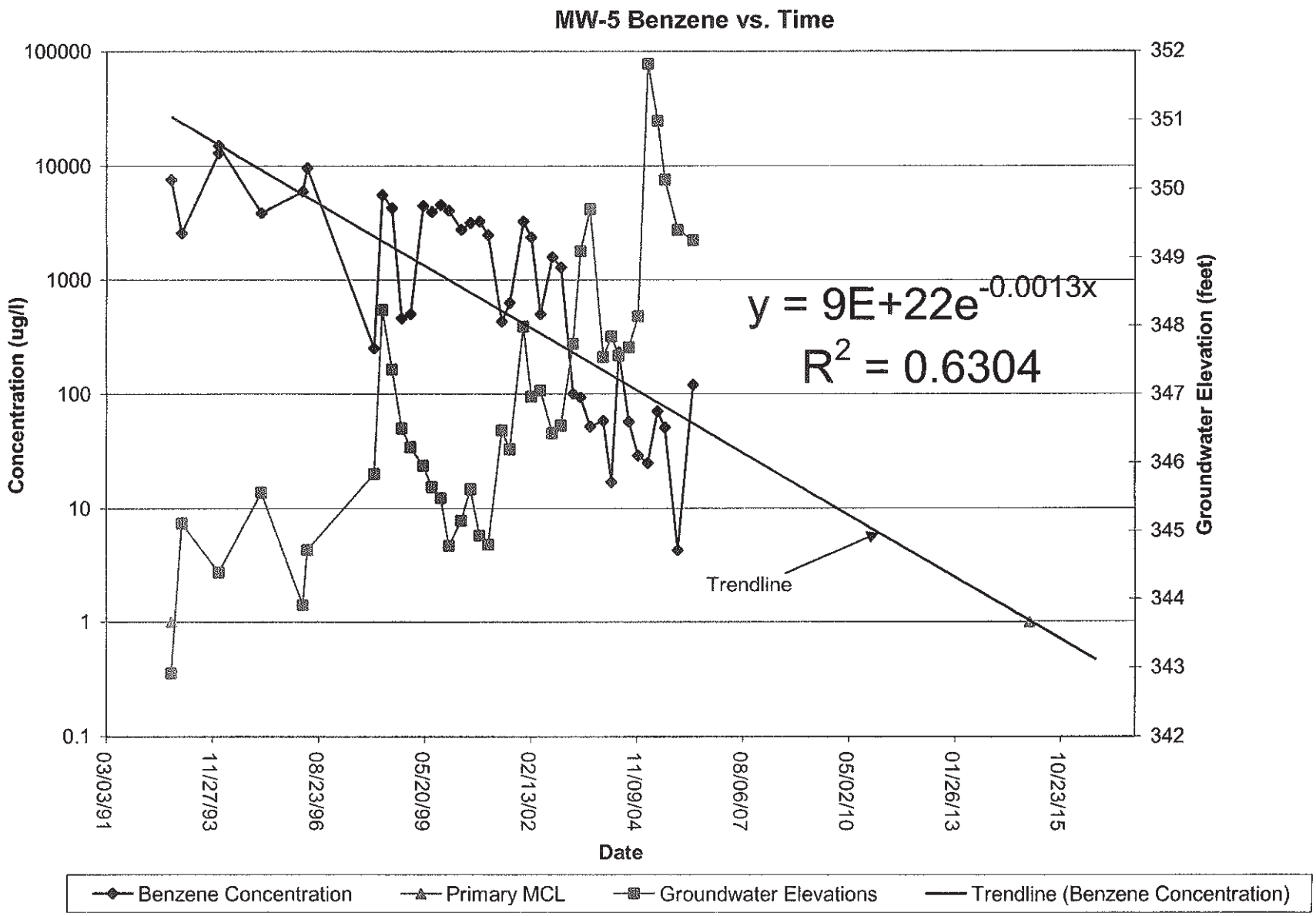
Primary source of TBA is assumed to be the USTs.

The detection limits were used for ND concentrations.

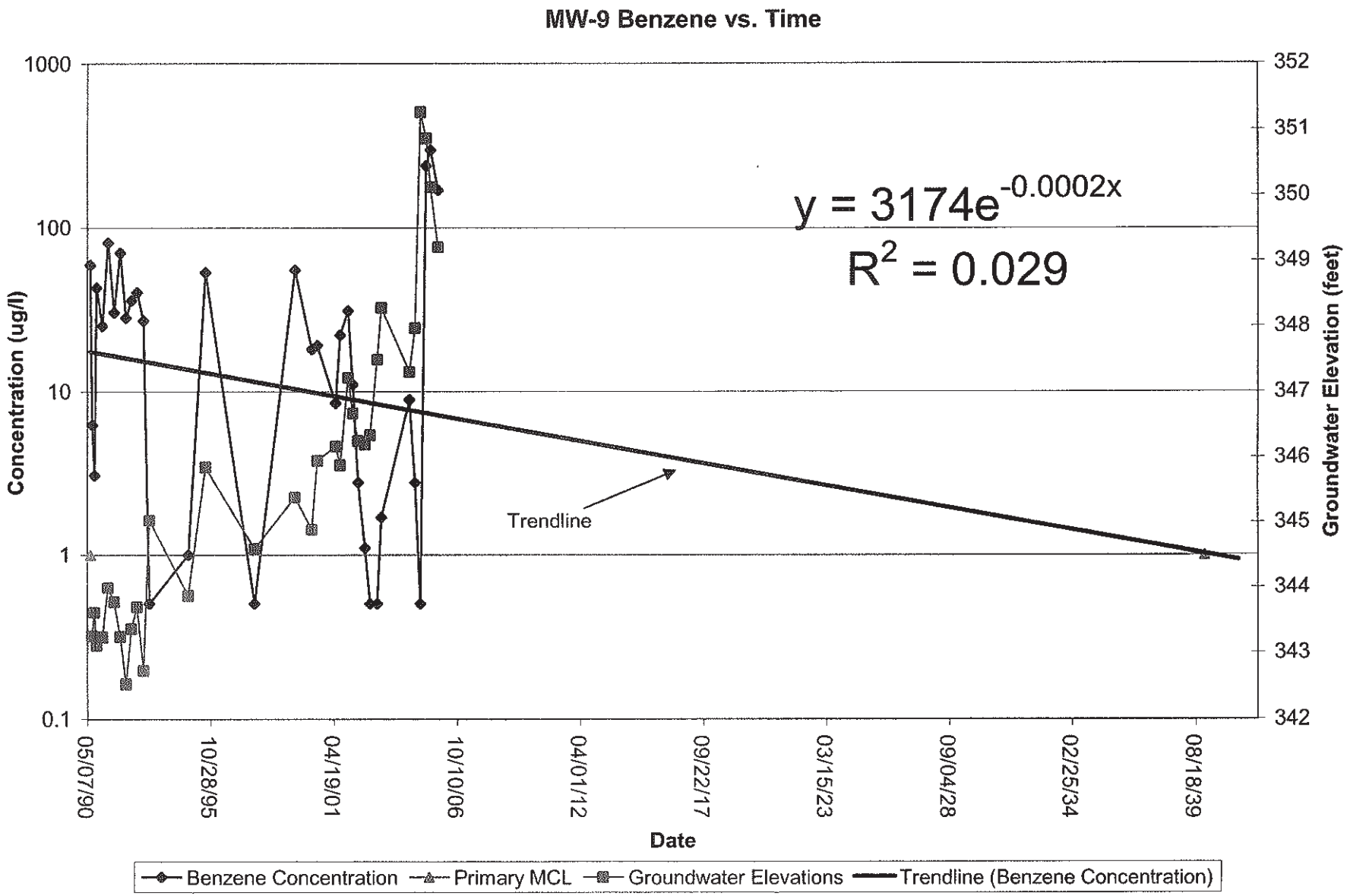
Graph 4


MW-2 Benzene vs. Time
Concentration (ug/l)
10000
1000
100
10
1
0.1
Groundwater Elevation (feet)
353.00
352.00
351.00
350.00
349.00
348.00
347.00
346.00
345.00
344.00
343.00
y = 4E+09e^-0.0004x
R^2 = 0.4224
Trendline
05/07/90
01/31/93
10/28/95
07/24/98
04/19/01
01/14/04
10/10/06
07/06/09
04/01/12
12/27/14
09/22/17
06/18/20
03/15/23
12/09/25
09/04/28
06/01/31
02/25/34
11/21/36
08/18/39
Date
Benzene Concentration
Primary MCL
Groundwater Elevations
Trendline (Benzene Concentration)

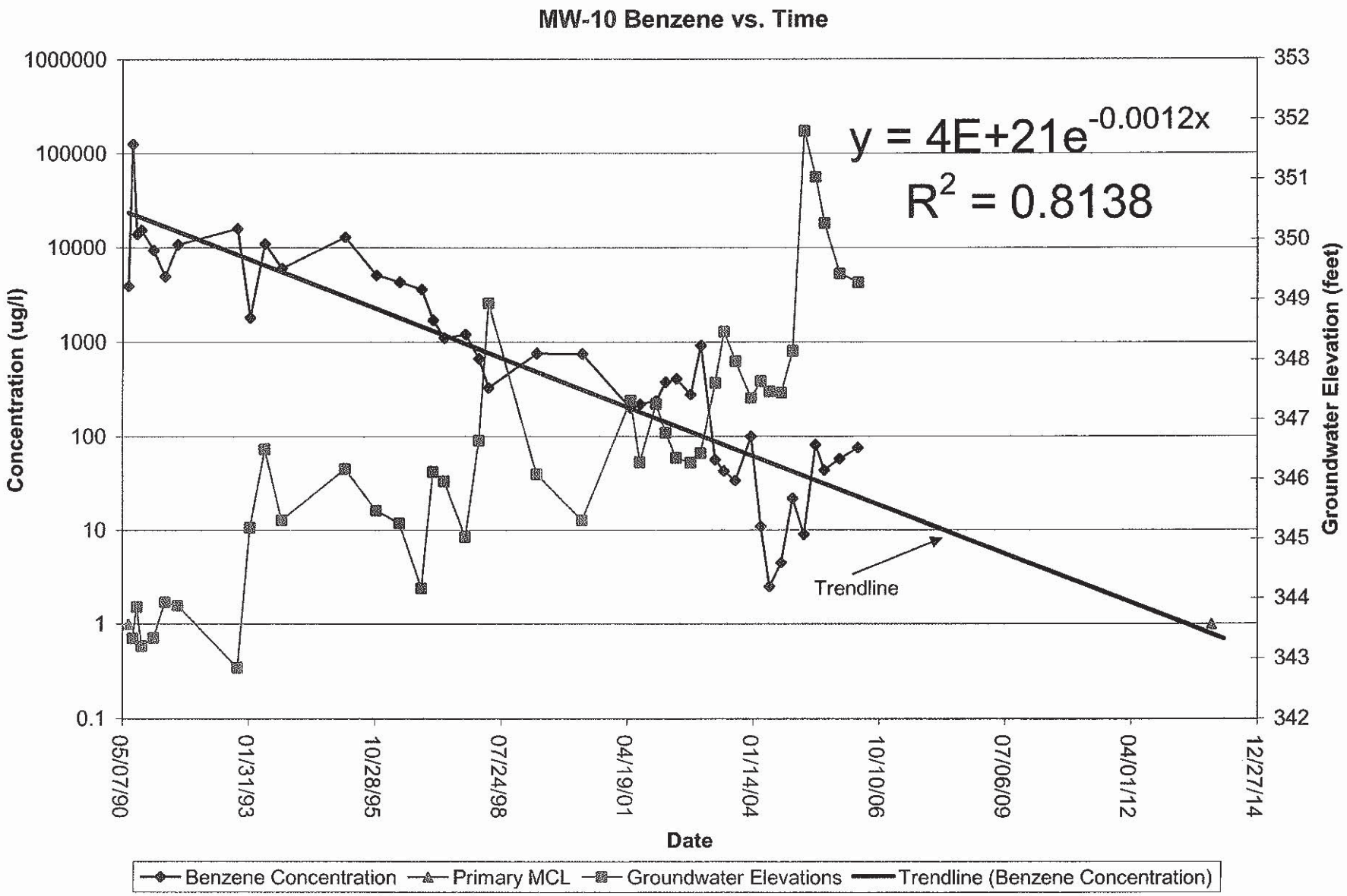
Graph 5


MW-5 Benzene vs. Time
Concentration (ug/l)
100000
10000
1000
100
10
1
0.1
Groundwater Elevation (feet)
352
351
350
349
348
347
346
345
344
343
342
y = 9E+22e^-0.0013x
R^2 = 0.6304
Trendline
03/03/91
11/27/93
08/23/96
05/20/99
02/13/02
11/09/04
08/06/07
05/02/10
01/26/13
10/23/15
Date
Benzene Concentration
Primary MCL
Groundwater Elevations
Trendline (Benzene Concentration)

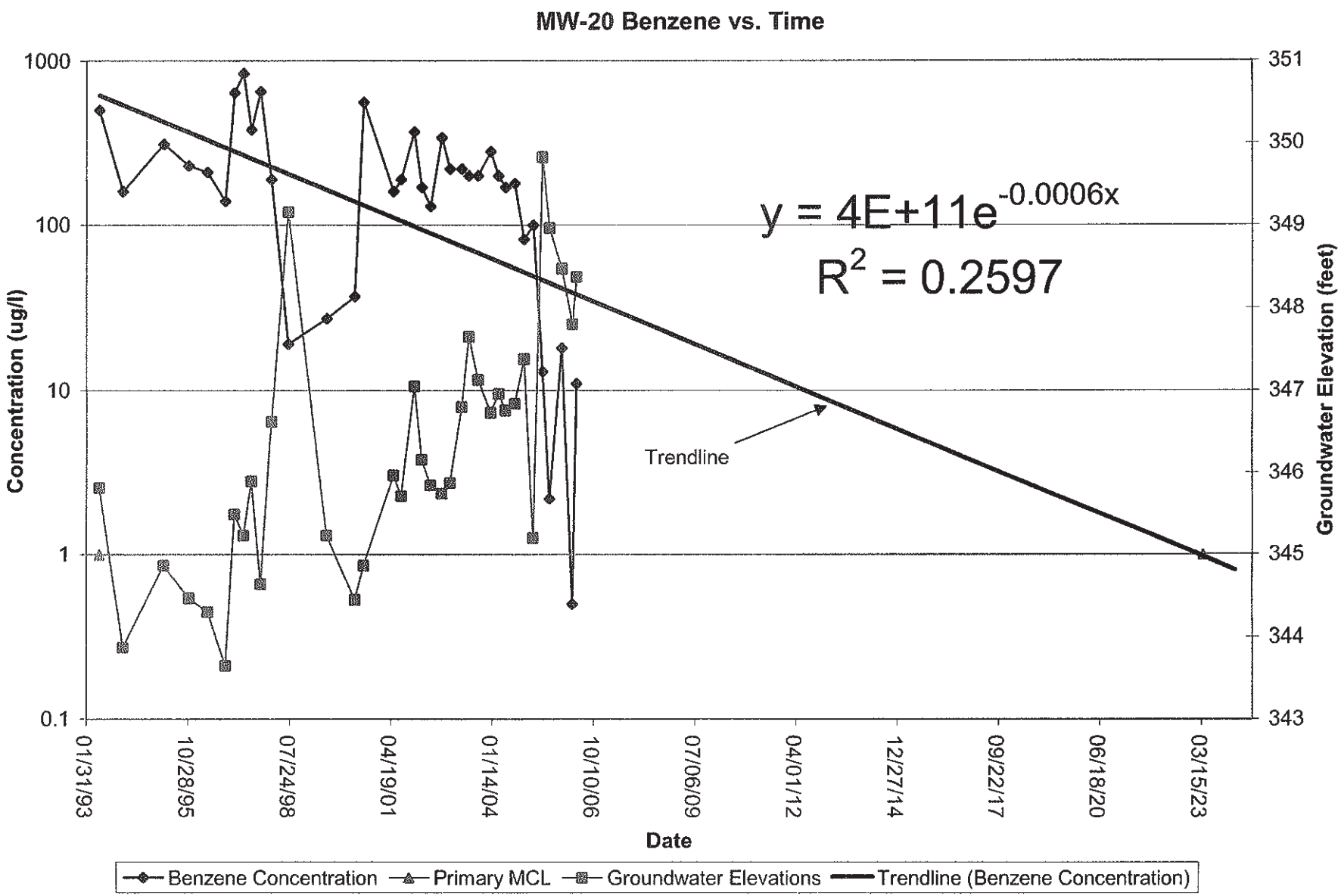
Graph 6


MW-9 Benzene vs. Time
y = 3174e^-0.0002x
R^2 = 0.029
Trendline
Concentration (ug/l)
Groundwater Elevation (feet)
Date
1000
100
10
1
0.1
352
351
350
349
348
347
346
345
344
343
342
05/07/90
10/28/95
04/19/01
10/10/06
04/01/12
09/22/17
03/15/23
09/04/28
02/25/34
08/18/39
Benzene Concentration
Primary MCL
Groundwater Elevations
Trendline (Benzene Concentration)

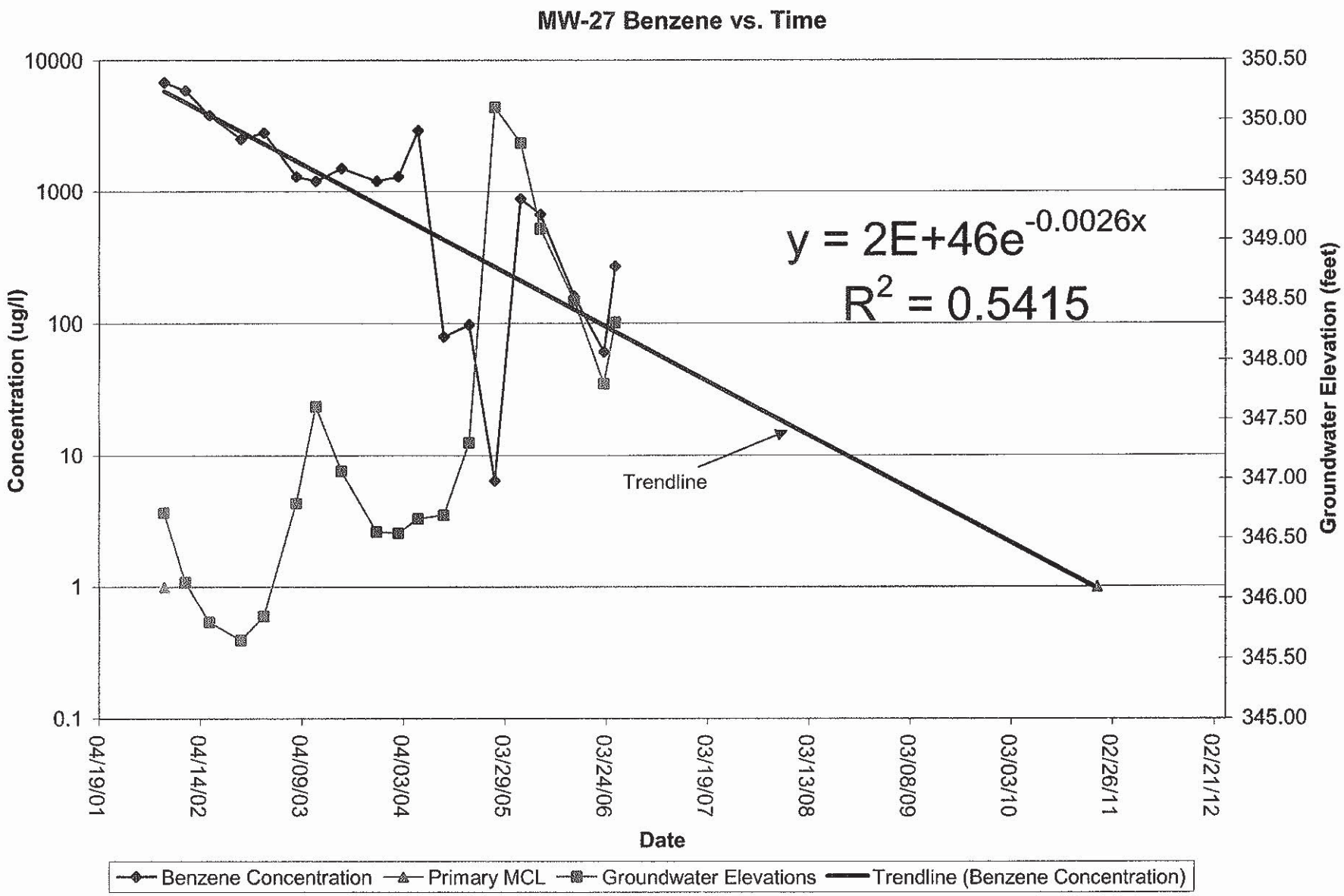
Graph 7


MW-10 Benzene vs. Time
y = 4E+21e^-0.0012x
R^2 = 0.8138
Trendline
Concentration (ug/l)
Groundwater Elevation (feet)
Date
1000000
100000
10000
1000
100
10
1
0.1
353
352
351
350
349
348
347
346
345
344
343
342
05/07/90
01/31/93
10/28/95
07/24/98
04/19/01
01/14/04
10/10/06
07/06/09
04/01/12
12/27/14
Benzene Concentration
Primary MCL
Groundwater Elevations
Trendline (Benzene Concentration)

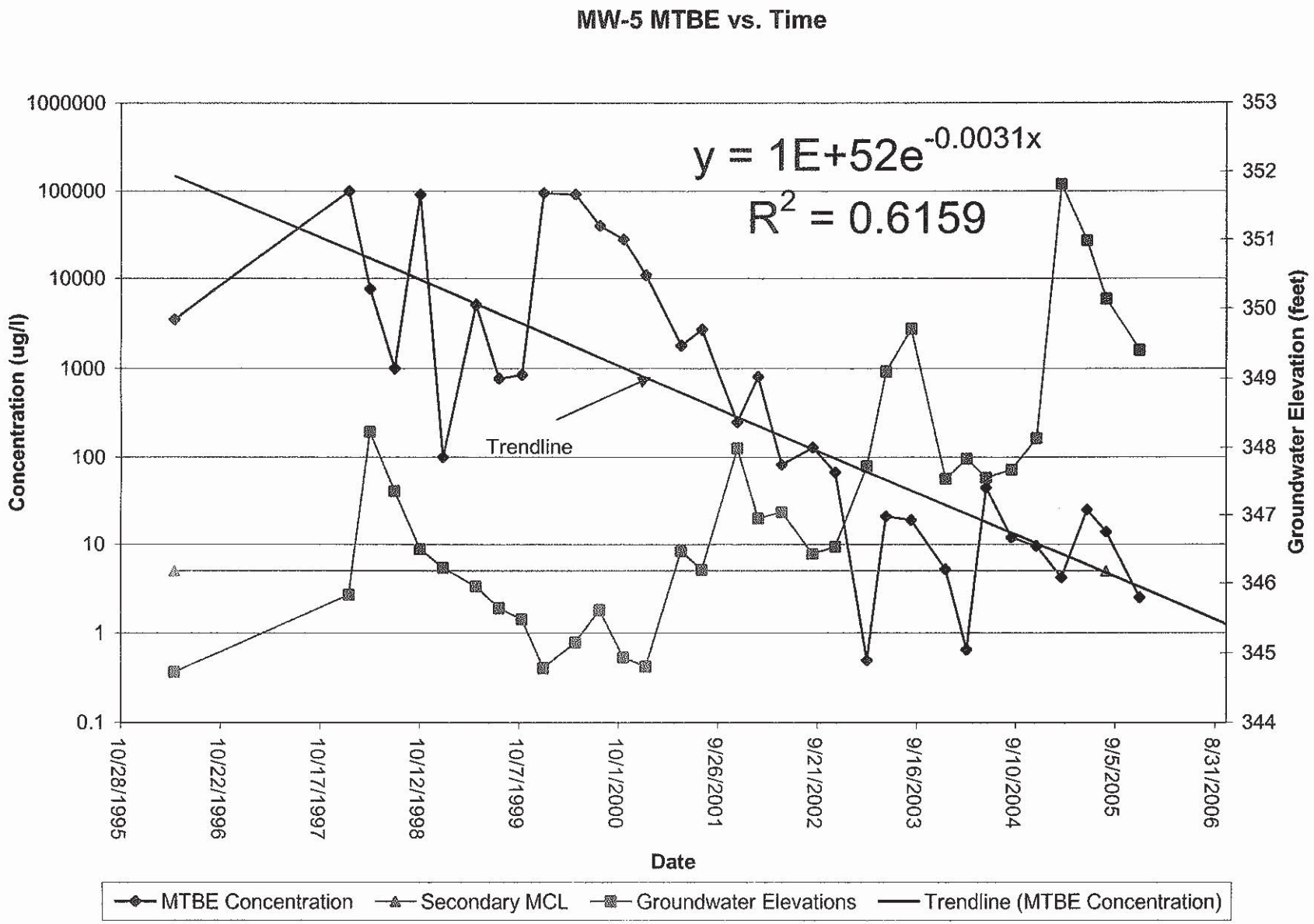
Graph 8


MW-20 Benzene vs. Time
1000
100
10
1
0.1
Concentration (ug/l)
351
350
349
348
347
346
345
344
343
Groundwater Elevation (feet)
y = 4E+11e^-0.0006x
R^2 = 0.2597
Trendline
01/31/93
10/28/95
07/24/98
04/19/01
01/14/04
10/10/06
07/06/09
04/01/12
12/27/14
09/22/17
06/18/20
03/15/23
Date
Benzene Concentration
Primary MCL
Groundwater Elevations
Trendline (Benzene Concentration)

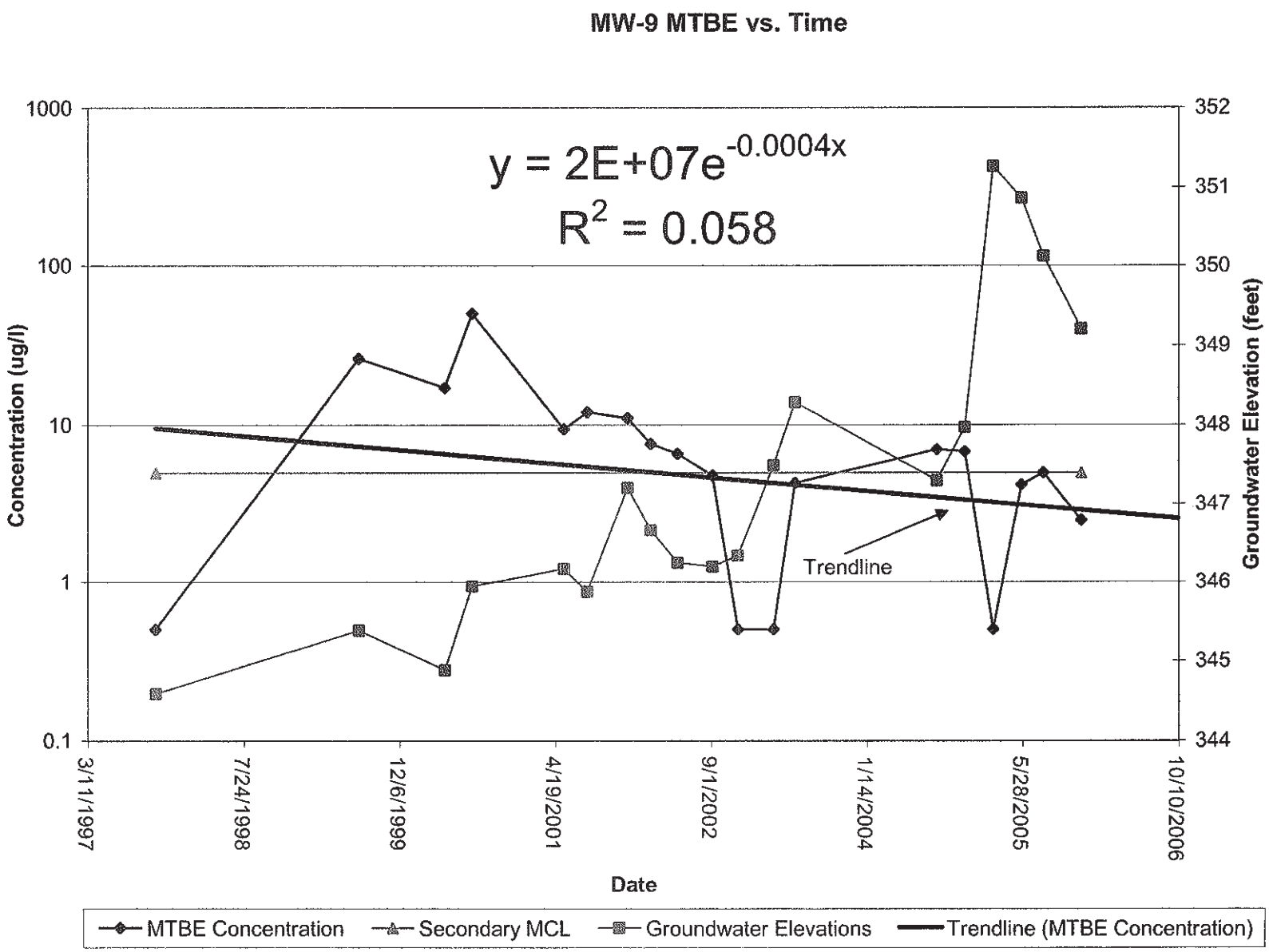
Graph 9


MW-27 Benzene vs. Time
10000
1000
100
10
1
0.1
Concentration (ug/l)
350.50
350.00
349.50
349.00
348.50
348.00
347.50
347.00
346.50
346.00
345.50
345.00
Groundwater Elevation (feet)
y = 2E+46e^-0.0026x
R^2 = 0.5415
Trendline
04/19/01
04/14/02
04/09/03
04/03/04
03/29/05
03/24/06
03/19/07
03/13/08
03/08/09
03/03/10
02/26/11
02/21/12
Date
Benzene Concentration
Primary MCL
Groundwater Elevations
Trendline (Benzene Concentration)

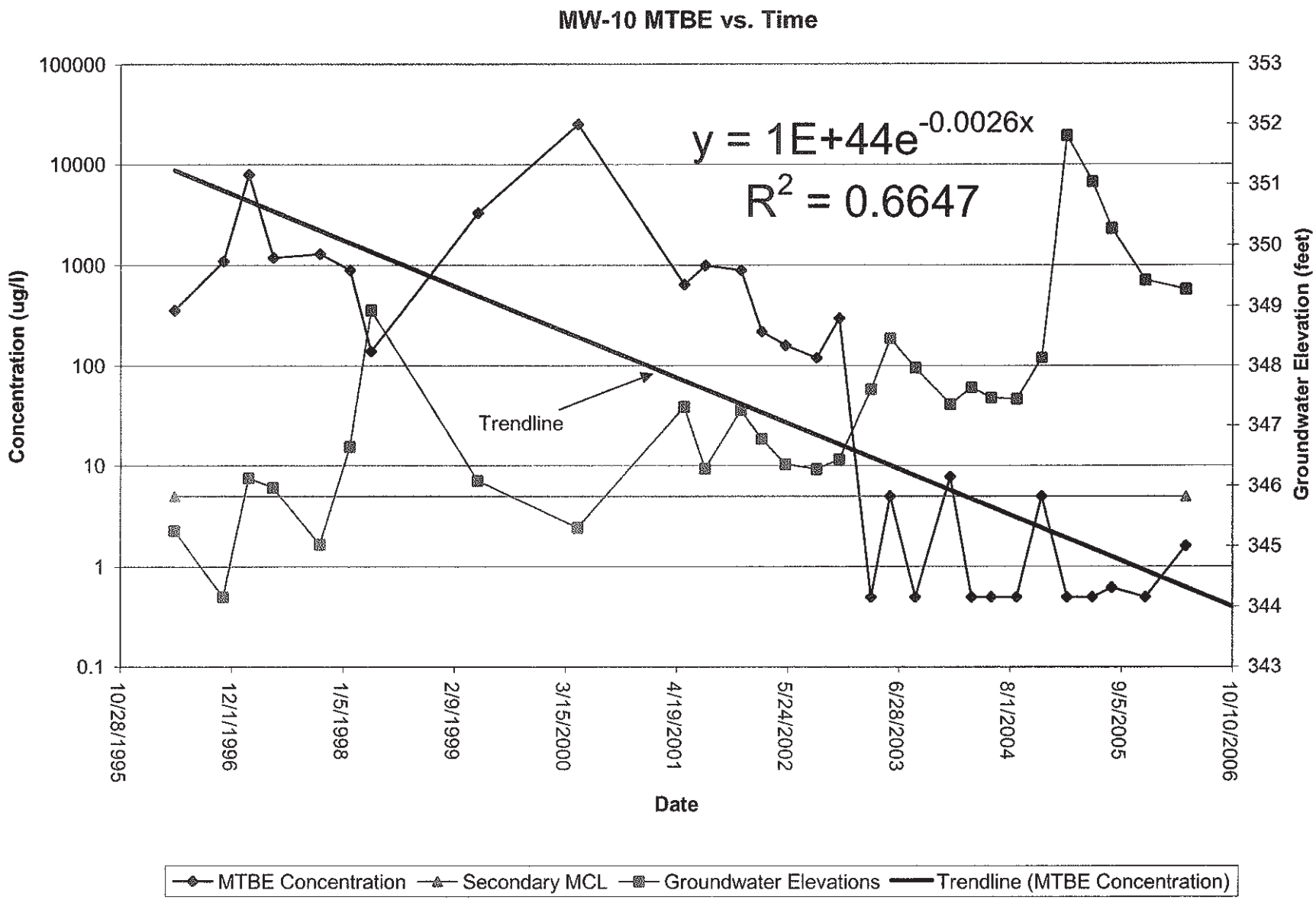
Graph 10


MW-5 MTBE vs. Time
y = 1E+52e^-0.0031x
R^2 = 0.6159
Trendline
Concentration (ug/l)
Groundwater Elevation (feet)
Date
1000000
100000
10000
1000
100
10
1
0.1
353
352
351
350
349
348
347
346
345
344
10/28/1995
10/22/1996
10/17/1997
10/12/1998
10/7/1999
10/1/2000
9/26/2001
9/21/2002
9/16/2003
9/10/2004
9/5/2005
8/31/2006
MTBE Concentration
Secondary MCL
Groundwater Elevations
Trendline (MTBE Concentration)

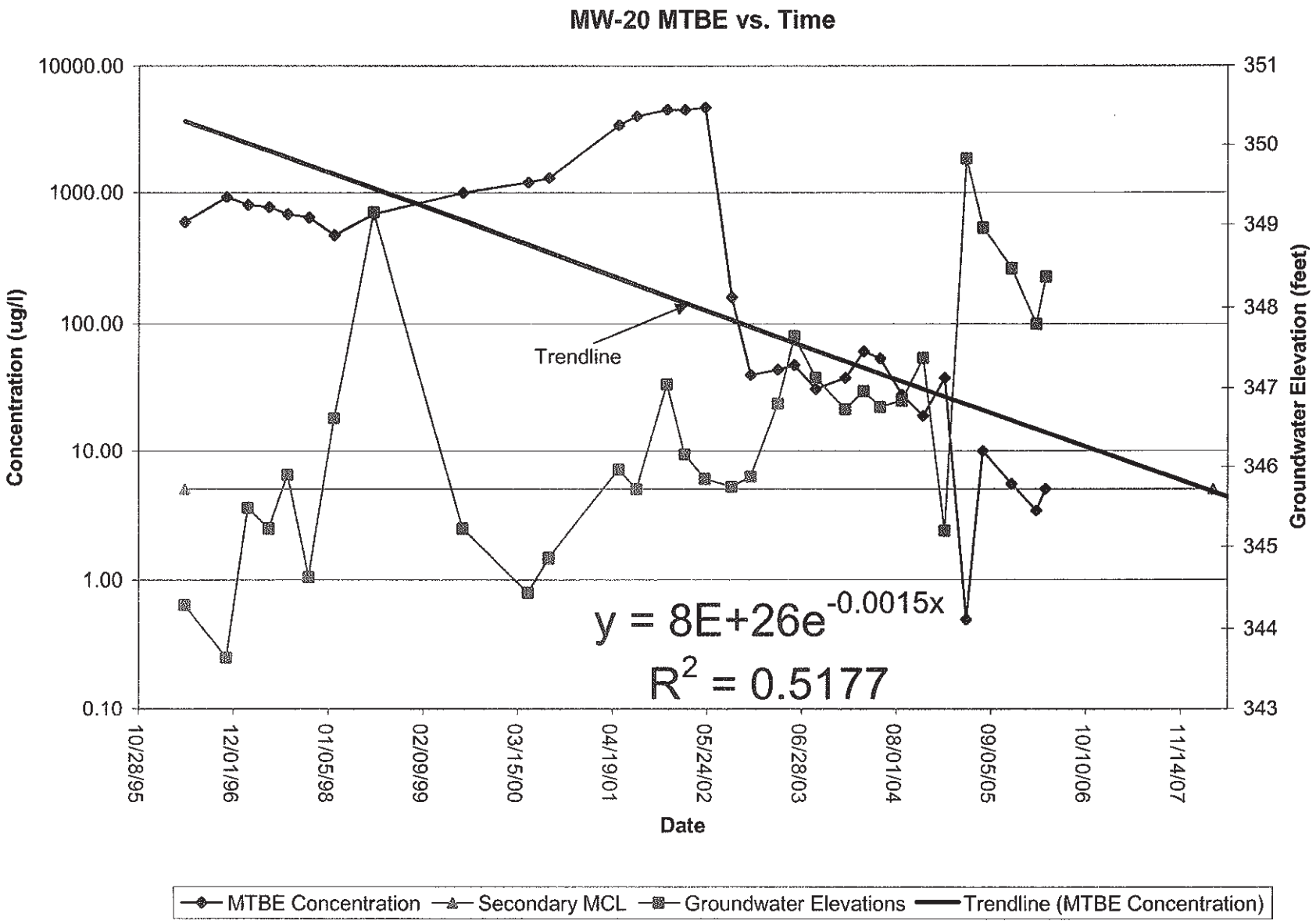
Graph 11


MW-9 MTBE vs. Time
y = 2E+07e^-0.0004x
R^2 = 0.058
Trendline
Concentration (ug/l)
Groundwater Elevation (feet)
1000
100
10
1
0.1
352
351
350
349
348
347
346
345
344
3/11/1997
7/24/1998
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
Date
MTBE Concentration
Secondary MCL
Groundwater Elevations
Trendline (MTBE Concentration)

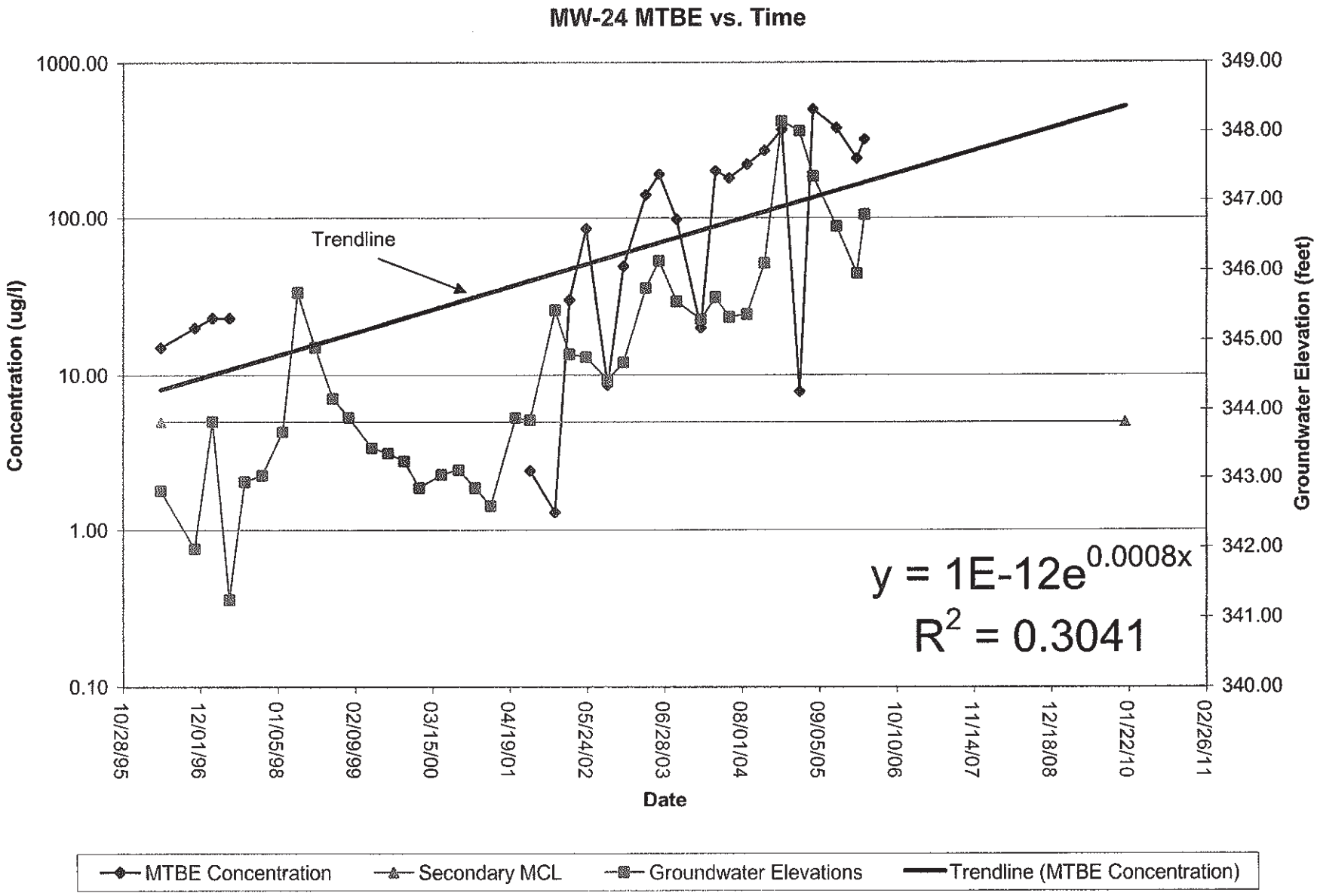
Graph 12


MW-10 MTBE vs. Time
y = 1E+44e^-0.0026x
R^2 = 0.6647
Trendline
Concentration (ug/l)
Groundwater Elevation (feet)
Date
100000
10000
1000
100
10
1
0.1
353
352
351
350
349
348
347
346
345
344
343
10/28/1995
12/1/1996
1/5/1998
2/9/1999
3/15/2000
4/19/2001
5/24/2002
6/28/2003
8/1/2004
9/5/2005
10/10/2006
MTBE Concentration
Secondary MCL
Groundwater Elevations
Trendline (MTBE Concentration)

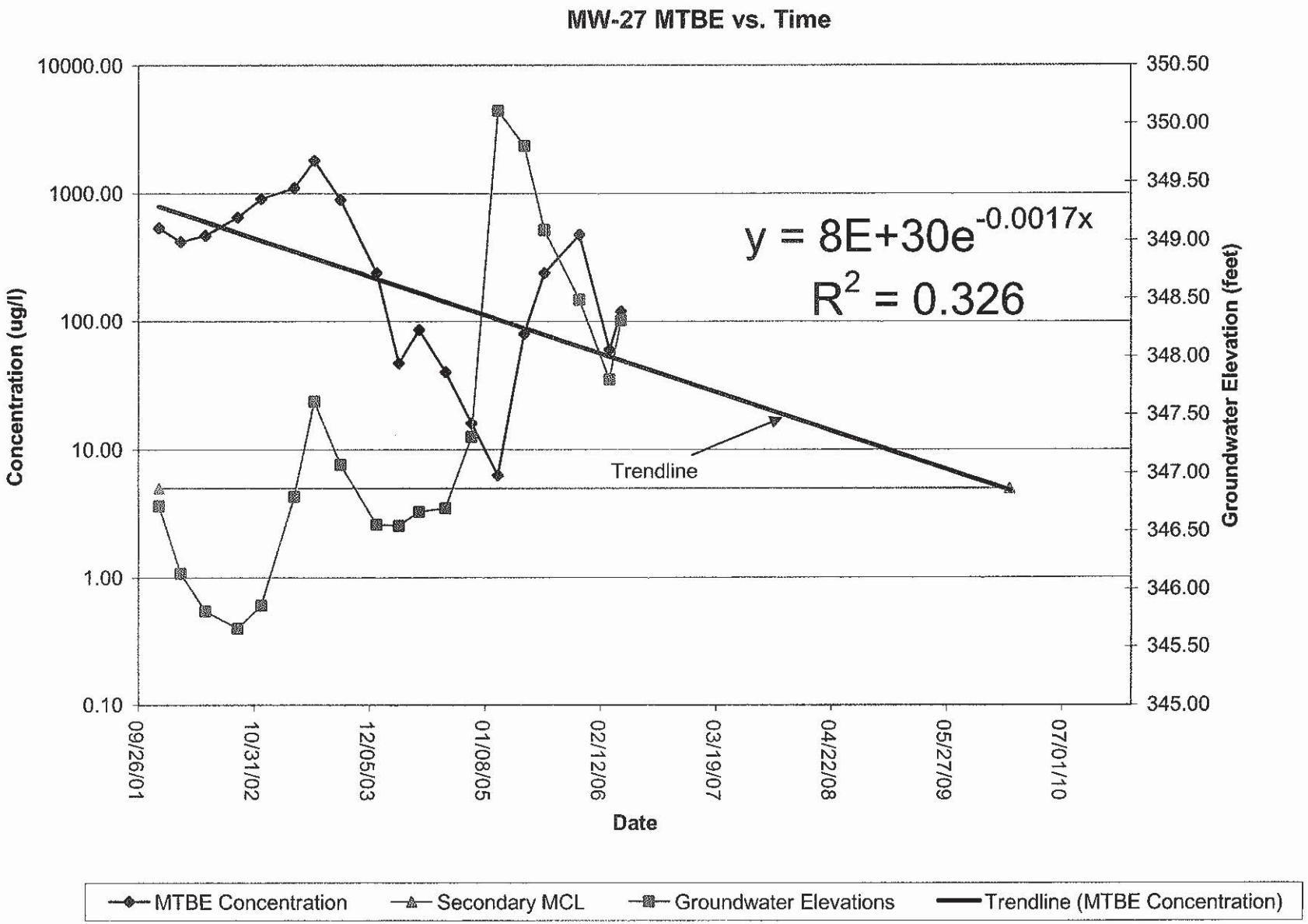
Graph 13


MW-20 MTBE vs. Time
Concentration (ug/l)
10000.00
1000.00
100.00
10.00
1.00
0.10
Groundwater Elevation (feet)
351
350
349
348
347
346
345
344
343
Trendline
y = 8E+26e^-0.0015x
R^2 = 0.5177
10/28/95
12/01/96
01/05/98
02/09/99
03/15/00
04/19/01
05/24/02
06/28/03
08/01/04
09/05/05
10/10/06
11/14/07
Date
MTBE Concentration
Secondary MCL
Groundwater Elevations
Trendline (MTBE Concentration)

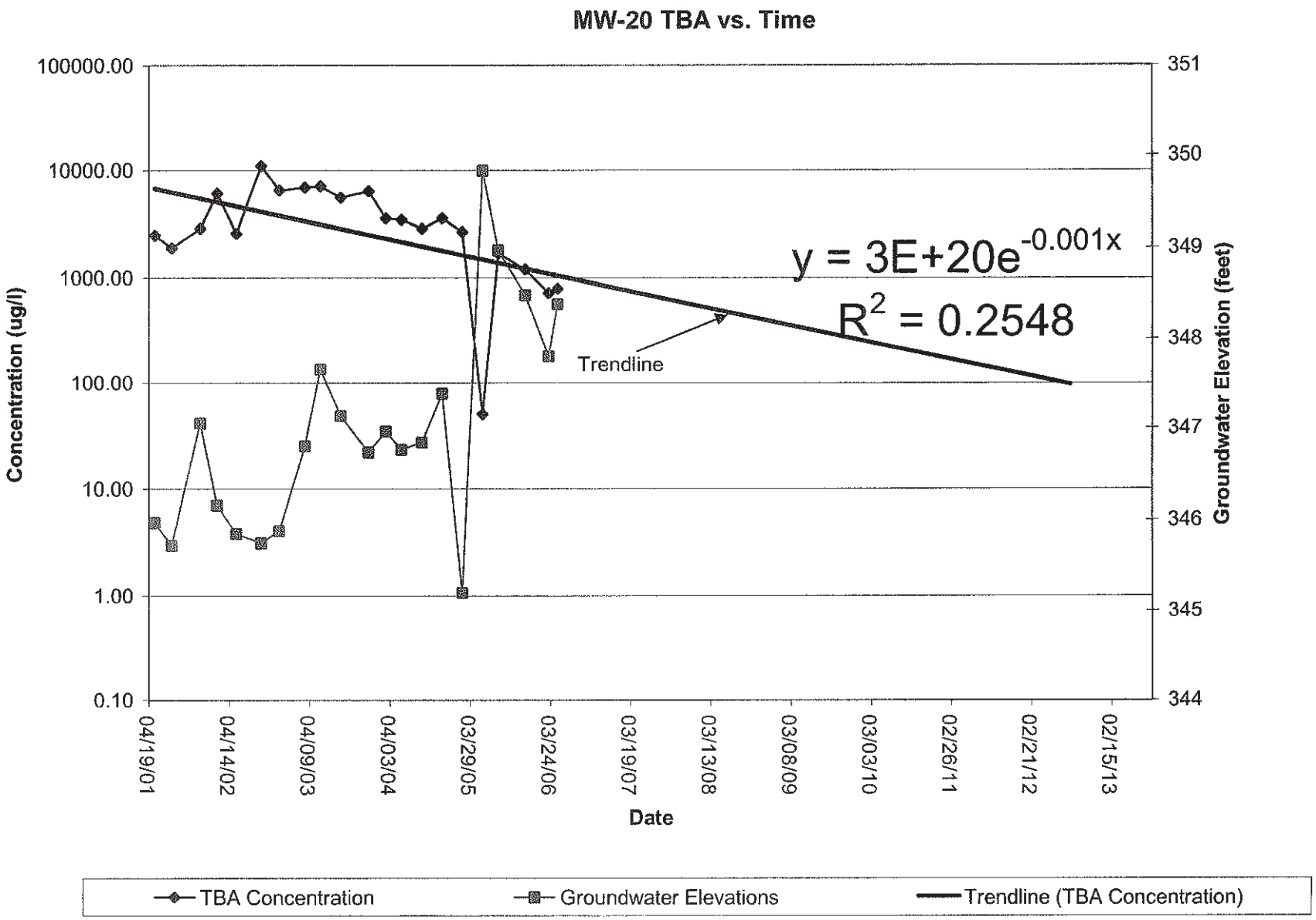
Graph 14


MW-24 MTBE vs. Time
1000.00
100.00
10.00
1.00
0.10
Concentration (ug/l)
349.00
348.00
347.00
346.00
345.00
344.00
343.00
342.00
341.00
340.00
Groundwater Elevation (feet)
Trendline
y = 1E-12e^0.0008x
R^2 = 0.3041
10/28/95
12/01/96
01/05/98
02/09/99
03/15/00
04/19/01
05/24/02
06/28/03
08/01/04
09/05/05
10/10/06
11/14/07
12/18/08
01/22/10
02/26/11
Date
MTBE Concentration
Secondary MCL
Groundwater Elevations
Trendline (MTBE Concentration)

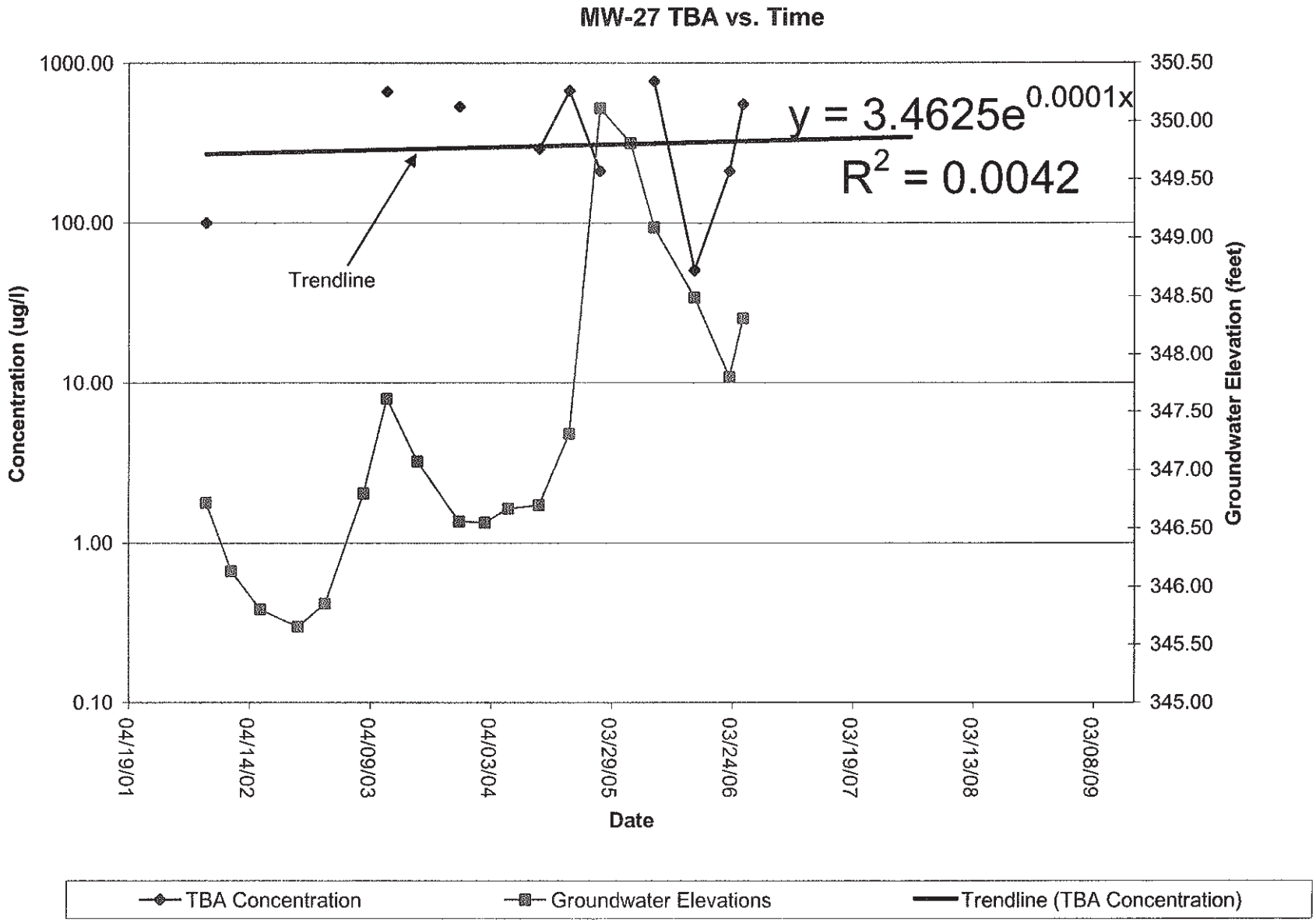
Graph 15


MW-27 MTBE vs. Time
10000.00
1000.00
100.00
10.00
1.00
0.10
Concentration (ug/l)
350.50
350.00
349.50
349.00
348.50
348.00
347.50
347.00
346.50
346.00
345.50
345.00
Groundwater Elevation (feet)
y = 8E+30e^-0.0017x
R^2 = 0.326
Trendline
09/26/01
10/31/02
12/05/03
01/08/05
02/12/06
03/19/07
04/22/08
05/27/09
07/01/10
Date
MTBE Concentration
Secondary MCL
Groundwater Elevations
Trendline (MTBE Concentration)

Graph 16

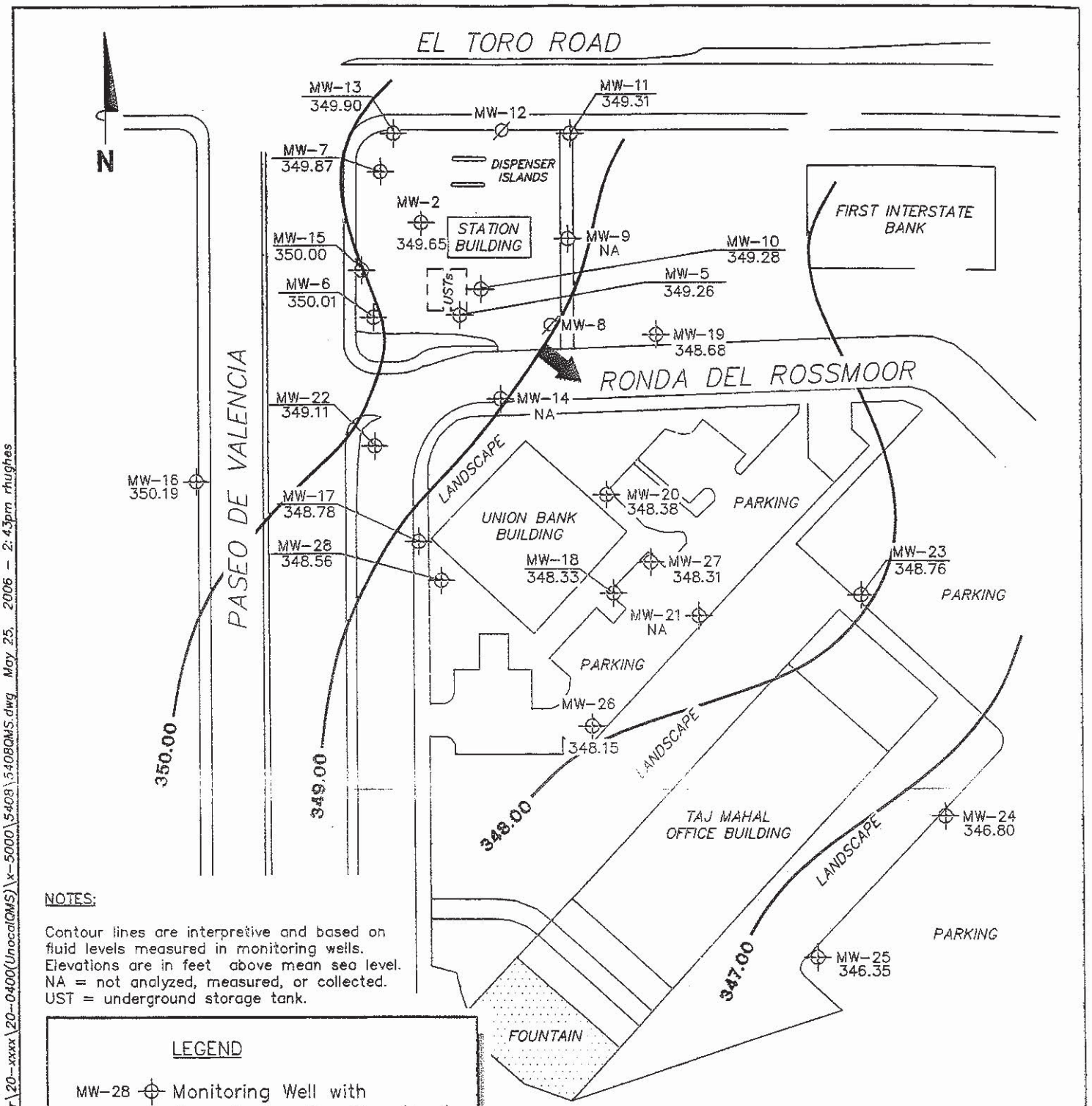

MW-20 TBA vs. Time
100000.00
10000.00
1000.00
100.00
10.00
1.00
0.10
Concentration (ug/l)
351
350
349
348
347
346
345
344
Groundwater Elevation (feet)
y = 3E+20e^-0.001x
R^2 = 0.2548
Trendline
04/19/01
04/14/02
04/09/03
04/03/04
03/29/05
03/24/06
03/19/07
03/13/08
03/08/09
03/03/10
02/26/11
02/21/12
02/15/13
Date
TBA Concentration
Groundwater Elevations
Trendline (TBA Concentration)

Graph 17


MW-27 TBA vs. Time
1000.00
100.00
10.00
1.00
0.10
Concentration (ug/l)
350.50
350.00
349.50
349.00
348.50
348.00
347.50
347.00
346.50
346.00
345.50
345.00
Groundwater Elevation (feet)
y = 3.4625e^0.0001x
R^2 = 0.0042
Trendline
04/19/01
04/14/02
04/09/03
04/03/04
03/29/05
03/24/06
03/19/07
03/13/08
03/08/09
Date
TBA Concentration
Groundwater Elevations
Trendline (TBA Concentration)

APPENDIX A

GROUNDWATER MONITORING AND SAMPLING TABLES AND FIGURES



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells.
Elevations are in feet above mean sea level.
NA = not analyzed, measured, or collected.
UST = underground storage tank.

LEGEND

MW-28 ⊕ Monitoring Well with Groundwater Elevation (feet)

MW-12 Ø Abandoned Well

350.00 — Groundwater Elevation Contour

General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
April 25, 2006

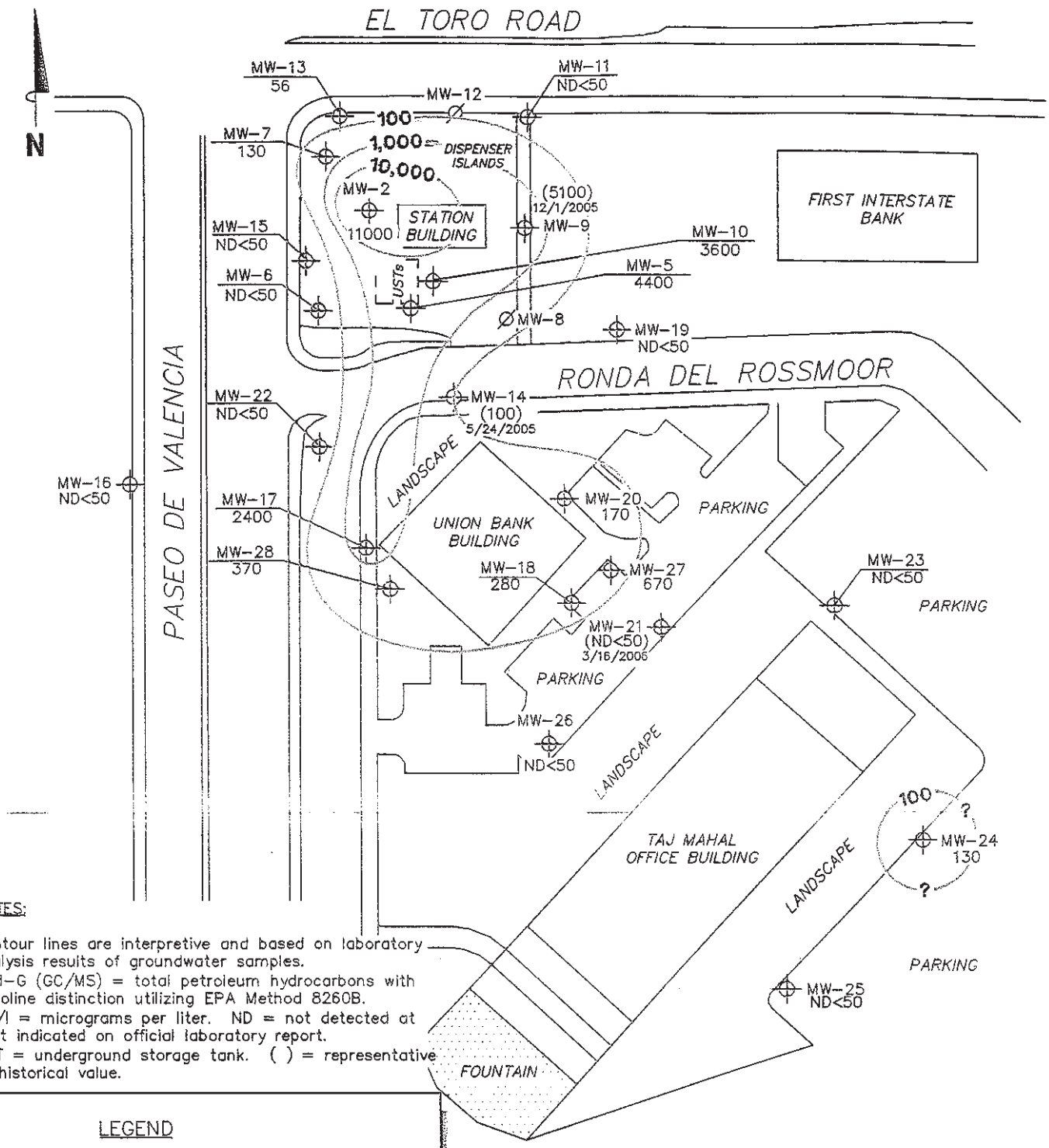
76 Station 5408
24082 El Toro Road
Laguna Hills, California

TRC

SCALE (FEET)
0 100

FIGURE 2

PS=1:1 5408-003 L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5408\5408QMS.dwg May 25, 2006 - 2:43pm rhughes



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
TPH-G (GC/MS) = total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B.
µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground storage tank. ( ) = representative of historical value.

LEGEND

MW-28 ⊕ Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration (µg/l)

MW-12 ∅ Abandoned Well

10,000 Dissolved-Phase TPH-G (GC/MS) Contour (µg/l)

DISSOLVED-PHASE TPH-G (GC/MS) CONCENTRATION MAP April 25, 2006

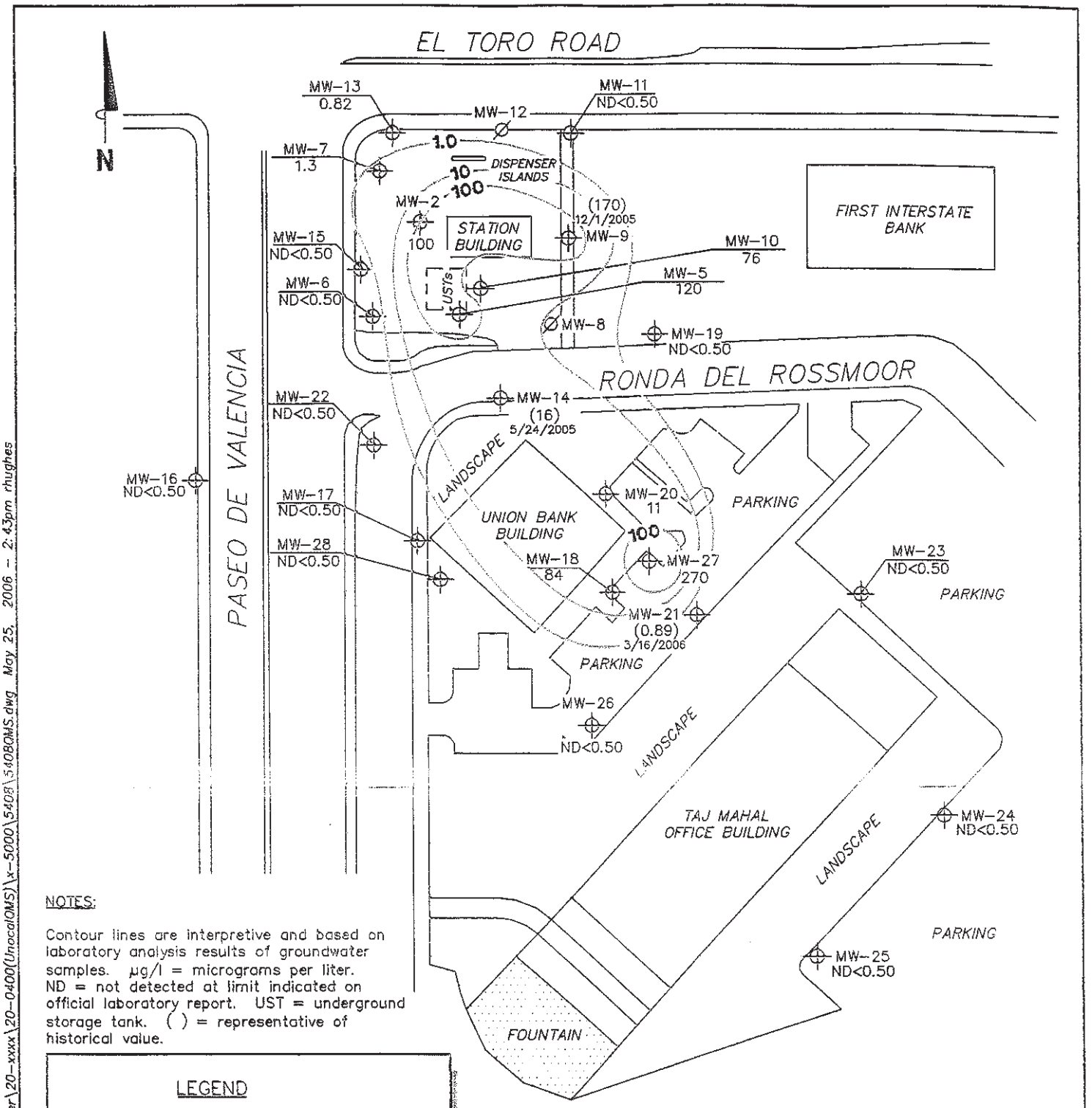
76 Station 5408
24082 El Toro Road
Laguna Hills, California

TRC

SCALE (FEET)
0 100

FIGURE 3

PS=1:1 5408-003 L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5408\5408QMS.dwg May 25, 2006 - 2:43pm rhughes



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. ( ) = representative of historical value.

LEGEND

MW-28 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

MW-12 ∅ Abandoned Well

100 Dissolved-Phase Benzene Contour (µg/l)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
April 25, 2006

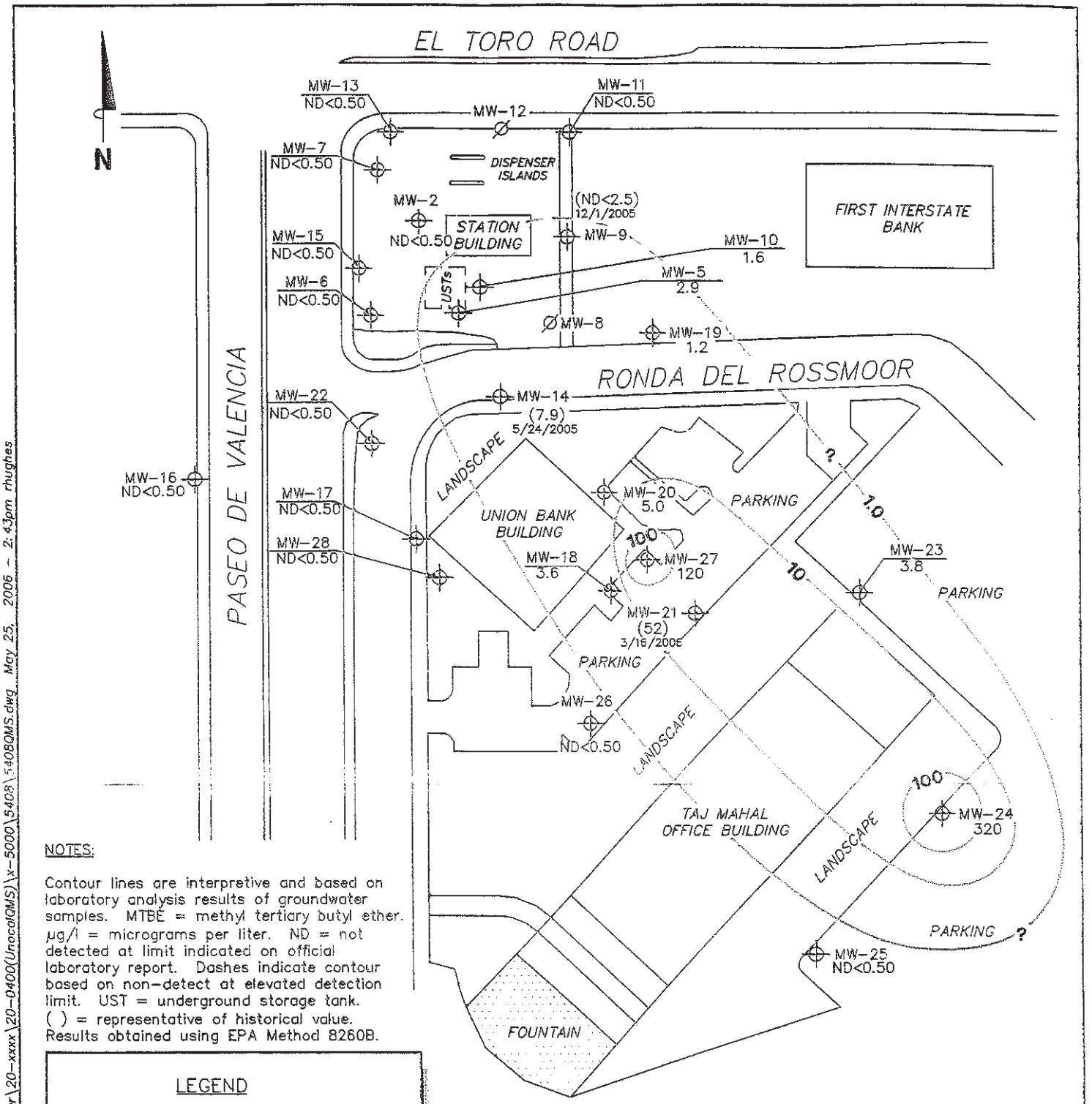
76 Station 5408
24082 El Toro Road
Laguna Hills, California

TRC

SCALE (FEET)
0 100

FIGURE 4

PS=1:15408-003 L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalOMS)\x-5000\5408\5408OMS.dwg May 25, 2006 - 2:43pm rhughes



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. Dashes indicate contour based on non-detect at elevated detection limit. UST = underground storage tank. ( ) = representative of historical value. Results obtained using EPA Method 8260B.

LEGEND

MW-28 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

MW-12 Ø Abandoned Well

100 Dissolved-Phase MTBE Contour (µg/l)

DISSOLVED-PHASE MTBE CONCENTRATION MAP
April 25, 2006

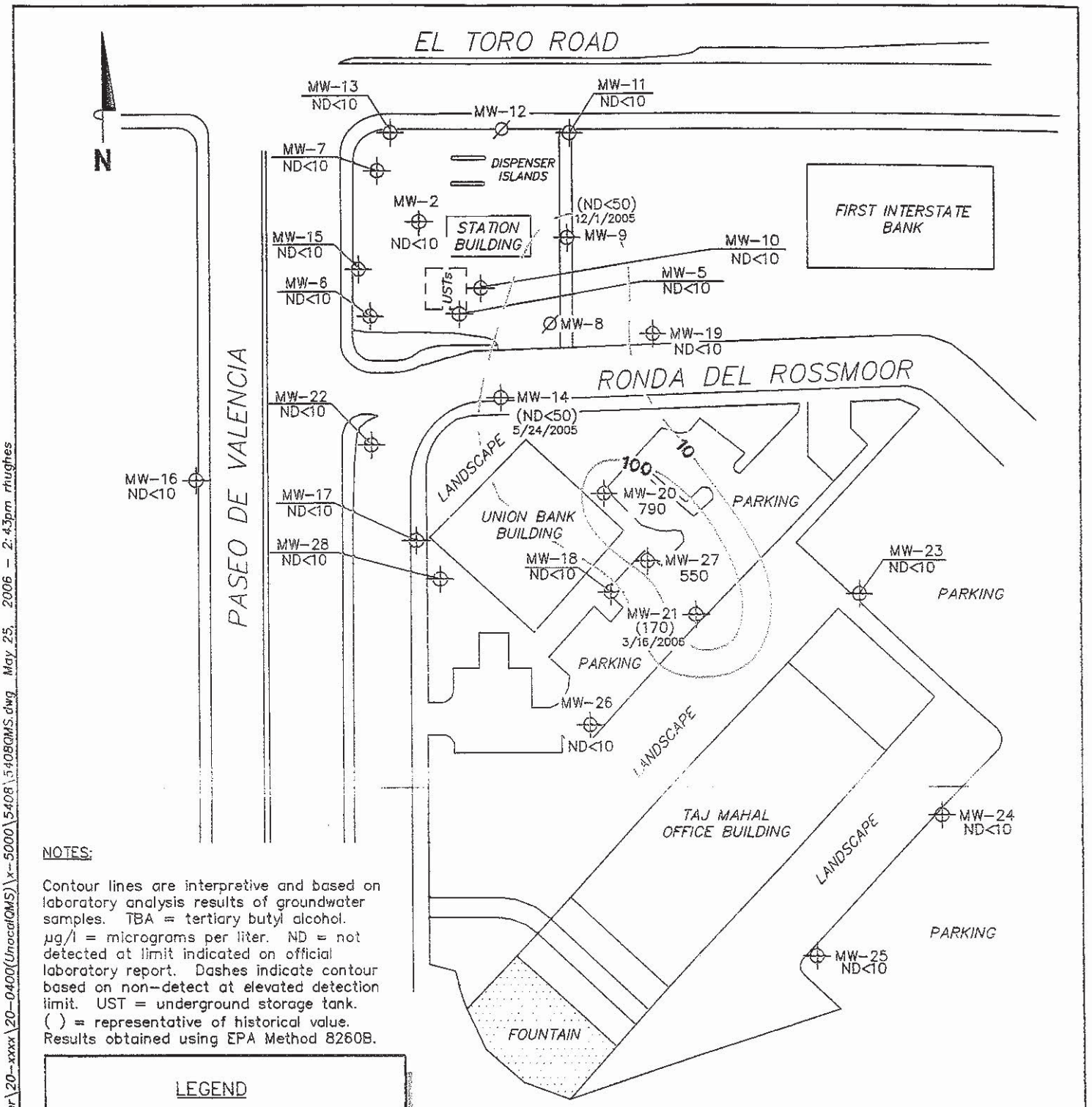
76 Station 5408
24082 El Toro Road
Laguna Hills, California

TRC

SCALE (FEET)
0 100

FIGURE 5

PS=1:1 5408-003 L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5408\5408QMS.dwg May 25, 2006 - 2:43pm rhughes



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TBA = tertiary butyl alcohol. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. Dashes indicate contour based on non-detect at elevated detection limit. UST = underground storage tank. ( ) = representative of historical value. Results obtained using EPA Method 8260B.

LEGEND

MW-28 ⊕ Monitoring Well with Dissolved-Phase TBA Concentration (µg/l)

MW-12 Ø Abandoned Well

—100— Dissolved-Phase TBA Contour (µg/l)

DISSOLVED-PHASE TBA CONCENTRATION MAP
April 25, 2006

76 Station 5408
24082 El Toro Road
Laguna Hills, California

TRC

SCALE (FEET)
0 100

FIGURE 6

PS=1:1 5408-003 L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalOMS)\x-5000\5408\5408GMS.dwg May 25, 2006 - 2:43pm rhughes

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

April 25, 2006

76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-2															
04/25/06	362.65	13.00	0.00	349.65	--	--	11000	100	52	410	--	ND<0.50	ND<10	ND<1000	
MW-5															
04/25/06	361.97	12.71	0.00	349.26	--	--	4400	120	380	370	--	2.9	ND<10	ND<1000	
MW-6															
04/25/06	362.51	12.50	0.00	350.01	0.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-7															
04/25/06	362.27	12.40	0.00	349.87	0.90	--	130	1.3	3.7	12	--	ND<0.50	ND<10	ND<1000	
MW-9															
04/25/06	362.78	--	--	--	--	--	--	--	--	--	--	--	--	--	under construction
MW-10															
04/25/06	362.08	12.80	0.00	349.28	--	--	3600	76	290	370	--	1.6	ND<10	ND<1000	
MW-11															
04/25/06	363.22	13.91	0.00	349.31	-0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-13															
04/25/06	362.82	12.92	0.00	349.90	1.18	--	56	0.82	ND<0.50	1.2	--	ND<0.50	ND<10	ND<1000	
MW-14															
04/25/06	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	car over well
MW-15															
04/25/06	362.45	12.45	0.00	350.00	0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-16															
04/25/06	361.54	11.35	0.00	350.19	1.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-17															
04/25/06	360.81	12.03	0.00	348.78	0.71	--	2400	ND<0.50	0.54	38	--	ND<0.50	ND<10	ND<1000	
MW-18															

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
April 25, 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-18 continued															
04/25/06	360.76	12.43	0.00	348.33	1.52	--	280	84	ND<0.50	21	--	3.6	ND<10	ND<1000	
MW-19															
04/25/06	360.08	11.40	0.00	348.68	1.39	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	1.2	ND<10	ND<1000	
MW-20															
04/25/06	360.58	12.20	0.00	348.38	0.58	--	170	11	3.3	6.0	--	5.0	790	ND<1000	
MW-21															
04/25/06	360.58	--	--	--	--	--	--	--	--	--	--	--	--	--	car over well
MW-22															
04/25/06	361.16	12.05	0.00	349.11	0.56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-23															
04/25/06	358.23	9.47	0.00	348.76	1.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	3.8	ND<10	ND<1000	
MW-24															
04/25/06	356.75	9.95	0.00	346.80	0.85	--	130	ND<0.50	ND<0.50	ND<0.50	--	320	ND<10	ND<1000	
MW-25															
04/25/06	356.60	10.25	0.00	346.35	0.63	--	ND<50	ND<0.50	ND<0.50	0.68	--	ND<0.50	ND<10	ND<1000	
MW-26															
04/25/06	360.90	12.75	0.00	348.15	1.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-27															
04/25/06	361.06	12.75	0.00	348.31	0.51	--	670	270	ND<2.5	15	--	120	550	ND<5000	
MW-28															
04/25/06	361.26	12.70	0.00	348.56	0.73	--	370	ND<0.50	0.92	9.8	--	ND<0.50	ND<10	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-2															
06/22/90	--	--	--	--	--	--	--	7500	10000	4000	--	--	--	--	
07/25/90	360.69	17.08	0.00	343.61	--	--	--	8000	12000	3300	--	--	--	--	
08/30/90	360.69	17.19	0.00	343.50	-0.11	--	--	2440	3790	1130	--	--	--	--	
10/04/90	360.69	17.19	0.00	343.50	0.00	--	--	3540	5330	1500	--	--	--	--	
01/08/91	360.69	16.85	0.00	343.84	0.34	--	--	2200	4100	1150	--	--	--	--	
04/10/91	360.69	16.13	0.00	344.56	0.72	--	--	3380	5860	1420	--	--	--	--	
07/18/91	360.69	16.51	0.00	344.18	-0.38	--	--	1160	2040	560	--	--	--	--	
10/24/91	360.69	16.98	0.00	343.71	-0.47	15980	--	668	1340	669	--	--	--	--	
01/23/92	360.69	18.64	1.03	342.82	-0.89	--	--	--	--	--	--	--	--	--	
04/24/92	360.69	16.29	0.08	344.46	1.64	--	--	--	--	--	--	--	--	--	
07/22/92	360.69	16.21	0.01	344.49	0.03	--	--	--	--	--	--	--	--	--	
11/03/92	360.69	17.08	0.04	343.64	-0.85	--	--	--	--	--	--	--	--	--	
02/11/93	360.69	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
06/08/93	360.48	13.55	0.00	346.93	--	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/93	360.48	14.75	0.00	345.73	-1.20	--	--	--	--	--	--	--	--	--	
01/26/94	360.48	15.81	0.00	344.67	-1.06	--	--	--	--	--	--	--	--	--	
05/26/94	360.48	15.20	0.00	345.28	0.61	--	--	--	--	--	--	--	--	--	
11/02/94	360.48	16.38	0.00	344.10	-1.18	26000	--	490	1400	660	--	--	--	--	
03/04/95	360.48	14.70	0.00	345.78	1.68	--	--	--	--	--	--	--	--	--	
05/23/95	360.48	13.56	0.00	346.92	1.14	--	--	--	--	--	--	--	--	--	
08/08/95	360.48	14.25	0.00	346.23	-0.69	25000	--	340	780	720	--	--	--	--	
11/07/95	360.48	14.89	0.00	345.59	-0.64	--	--	--	--	--	--	--	--	--	
03/26/96	360.48	15.22	0.00	345.26	-0.33	--	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-2 continued															
05/09/96	360.48	15.43	<0.01	345.05	-0.21	--	--	--	--	--	--	--	--	--	
11/01/96	360.48	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
01/31/97	360.48	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
04/29/97	360.48	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
07/16/97	360.48	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/14/97	360.48	15.55	0.00	344.93	--	12000	--	150	350	300	ND	--	--	--	Gauged and sampled on 11/3/97
01/29/98	360.48	14.00	0.00	346.48	1.55	4600	--	39	100	91	ND	--	--	--	
04/15/98	360.48	11.25	0.00	349.23	2.75	--	--	--	--	--	--	--	--	--	Monitored Only
07/14/98	360.48	12.10	0.00	348.38	-0.85	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/98	360.48	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
01/05/99	360.48	13.93	0.00	346.55	--	260	--	14	8.6	11	ND	--	--	--	
05/04/99	360.48	14.40	0.00	346.08	-0.47	--	--	--	--	--	--	--	--	--	Monitored Only
07/27/99	360.48	14.61	0.00	345.87	-0.21	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/99	360.48	14.96	0.00	345.52	-0.35	--	--	--	--	--	--	--	--	--	Monitored Only
01/04/00	360.48	15.80	0.00	344.68	-0.84	3400	--	50	19	108	ND<5.0	--	--	--	
04/28/00	360.48	15.29	0.00	345.19	0.51	7100	--	230	190	340	ND<5.0	--	--	--	
07/25/00	360.48	15.20	0.00	345.28	0.09	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/00	360.48	15.43	0.00	345.05	-0.23	--	--	--	--	--	--	--	--	--	Monitored Only
01/08/01	360.48	15.72	0.00	344.76	-0.29	4700	--	120	47	220	ND<500	--	--	--	
05/16/01	360.48	13.28	0.00	347.20	2.44	14000	--	360	410	820	--	ND<50	ND<500	ND<1500	
07/30/01	360.48	14.22	0.00	346.26	-0.94	17000	--	250	240	650	--	ND<3.0	ND<300	ND<10000	
12/06/01	362.65	15.12	0.00	347.53	1.27	23000	--	410	310	700	--	1.0	ND<100	ND<2000	
02/19/02	362.65	15.69	0.00	346.96	-0.57	15000	--	270	160	530	--	0.78	ND<50	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-2 continued															
05/16/02	362.65	16.12	0.00	346.53	-0.43	20000	--	600	200	200	--	ND<1	ND<100	ND<2000	
09/05/02	362.65	16.13	0.00	346.52	-0.01	270000	--	490	560	1100	--	ND<5	ND<500	ND<10000	
11/25/02	362.65	15.95	0.00	346.70	0.18	45000	--	500	540	1400	--	ND<20	ND<2000	ND<30000	
03/20/03	362.65	14.48	0.00	348.17	1.47	62000	--	320	350	1000	--	ND<5	ND<500	ND<10000	
05/28/03	362.65	13.88	0.00	348.77	0.60	13000	--	150	180	560	--	ND<5	ND<200	ND<20000	
08/27/03	362.65	14.33	0.00	348.32	-0.45	16000	--	190	190	770	--	ND<0.5	ND<12	ND<1000	
12/30/03	362.65	14.99	0.00	347.66	-0.66	--	23000	290	270	660	--	ND<5	ND<200	ND<10000	
03/16/04	362.65	14.64	0.00	348.01	0.35	--	22000	340	440	830	--	ND<5	ND<200	ND<10000	
05/25/04	362.65	14.86	0.00	347.79	-0.22	--	39000	320	510	1000	--	ND<5	ND<200	--	
08/25/04	362.65	14.87	0.00	347.78	-0.01	1200	18000	270	250	530	--	3.9	ND<60	ND<5000	
11/23/04	362.65	14.20	0.00	348.45	0.67	28000	32000	300	360	860	--	ND<30	ND<600	ND<50000	
02/22/05	362.65	10.22	0.00	352.43	3.98	--	33000	420	540	740	--	ND<25	ND<2500	ND<50000	
05/24/05	362.65	11.24	0.00	351.41	-1.02	--	15000	230	110	530	--	ND<25	ND<2500	ND<50000	
08/02/05	362.65	11.94	0.00	350.71	-0.70	--	23000	140	52	590	--	ND<5.0	ND<100	ND<10000	
12/01/05	362.65	13.08	0.00	349.57	-1.14	--	45000	160	110	860	--	ND<25	ND<500	ND<50000	
03/16/06	362.65	--	--	--	--	--	--	--	--	--	--	--	--	--	Station under construction
04/25/06	362.65	13.00	0.00	349.65	--	--	11000	100	52	410	--	ND<0.50	ND<10	ND<1000	
MW-3															
06/22/90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/25/90	360.40	17.78	0.90	343.29	--	--	--	--	--	--	--	--	--	--	
08/30/90	360.40	17.83	1.00	343.32	0.03	--	--	--	--	--	--	--	--	--	
10/04/90	360.40	17.84	0.93	343.26	-0.06	--	--	--	--	--	--	--	--	--	
01/08/91	360.40	17.42	0.71	343.51	0.25	--	--	--	--	--	--	--	--	--	
04/10/91	360.40	16.49	0.33	344.16	0.65	--	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through April 2006

76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-3 continued															
07/18/91	360.40	16.52	0.12	343.97	-0.19	--	--	--	--	--	--	--	--	--	
10/24/91	360.40	17.90	1.28	343.46	-0.51	--	--	--	--	--	--	--	--	--	
01/23/92	360.40	18.48	0.75	342.48	-0.98	--	--	--	--	--	--	--	--	--	
04/24/92	360.40	16.18	0.03	344.24	1.76	--	--	--	--	--	--	--	--	--	
07/22/92	360.40	16.15	0.02	344.27	0.02	--	--	--	--	--	--	--	--	--	
11/03/92	360.40	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
02/11/93	360.40	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
06/08/93	360.40	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned 3/23/93
MW-5															
06/22/90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/25/90	359.33	15.97	0.02	343.38	--	--	--	--	--	--	--	--	--	--	
08/30/90	359.33	15.50	0.04	343.86	0.48	--	--	--	--	--	--	--	--	--	
10/04/90	359.33	16.07	0.02	343.27	-0.58	--	--	--	--	--	--	--	--	--	
01/08/91	359.33	15.92	0.02	343.42	0.15	--	--	--	--	--	--	--	--	--	
04/10/91	359.33	15.22	0.02	344.13	0.70	--	--	--	--	--	--	--	--	--	
07/18/91	359.33	15.73	0.34	343.85	-0.27	--	--	--	--	--	--	--	--	--	
10/24/91	359.33	15.82	0.07	343.56	-0.29	--	--	--	--	--	--	--	--	--	
01/23/92	359.33	16.55	0.01	342.79	-0.77	--	--	--	--	--	--	--	--	--	
04/24/92	359.33	15.15	0.03	344.20	1.41	--	--	--	--	--	--	--	--	--	
07/22/92	359.33	15.29	0.03	344.06	-0.14	--	--	--	--	--	--	--	--	--	
11/03/92	359.33	16.41	0.00	342.92	-1.14	130000	--	7600	16000	3600	--	--	--	--	
02/11/93	359.33	14.21	0.00	345.12	2.20	62000	--	2600	3000	230	--	--	--	--	
06/08/93	359.44	12.90	0.00	346.54	1.42	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/93	359.44	14.07	0.00	345.37	-1.17	--	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through April 2006

76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-5 continued															
01/26/94	359.44	15.04	0.00	344.40	-0.97	120000	--	13000	21000	1600	--	--	--	--	Pre-purge
01/26/94	359.44	15.04	0.00	344.40	-0.97	150000	--	15000	25000	2400	--	--	--	--	
05/26/94	359.44	14.96	0.00	344.48	0.08	--	--	--	--	--	--	--	--	--	
11/02/94	359.44	15.40	0.00	344.04	-0.44	--	--	--	--	--	--	--	--	--	
03/04/95	359.44	13.87	0.00	345.57	1.53	43000	--	3900	8000	860	--	--	--	--	
05/23/95	359.44	12.75	0.00	346.69	1.12	--	--	--	--	--	--	--	--	--	
08/08/95	359.44	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/07/95	359.44	14.25	0.00	345.19	--	--	--	--	--	--	--	--	--	--	
03/26/96	359.44	15.52	0.00	343.92	-1.27	54000	--	6000	15000	1100	--	--	--	--	
05/09/96	359.44	14.71	0.00	344.73	0.81	100000	--	9600	23000	2300	3500	--	--	--	
11/01/96	359.44	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
01/31/97	359.44	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
04/29/97	359.44	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
07/16/97	359.44	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
10/14/97	359.44	--	--	--	--	--	--	--	--	--	--	--	--	--	Stinger stuck in well - 11/3/97
01/29/98	359.44	13.60	0.00	345.84	--	120000	--	250	380	74	100000	--	--	--	
04/15/98	359.44	11.21	0.00	348.23	2.39	82000	--	5600	18000	2400	7700	--	--	--	
07/14/98	359.44	12.08	0.00	347.36	-0.87	85000	--	4300	15000	2100	1000	--	--	--	
10/14/98	359.44	12.94	0.00	346.50	-0.86	60000	--	460	33	540	91000	--	--	--	
01/05/99	359.44	--	0.00	--	--	3200	--	500	320	200	100	--	--	--	
05/04/99	359.44	13.48	0.00	345.96	--	95000	--	4500	14000	3400	5100	--	--	--	
07/27/99	359.44	13.79	0.00	345.65	-0.31	67000	--	4000	15000	2800	770	--	--	--	
10/18/99	359.44	13.95	0.00	345.49	-0.16	72000	--	4600	16000	3000	850	--	--	--	
01/04/00	359.44	14.65	0.00	344.79	-0.70	110000	--	4100	9000	3000	95000	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-5 continued															
04/28/00	359.44	14.28	0.00	345.16	0.37	87000	--	2800	5900	2100	92000	--	--	--	
07/25/00	359.44	13.82	0.00	345.62	0.46	41000	--	3200	4900	2200	40000	--	--	--	
10/19/00	359.44	14.50	0.00	344.94	-0.68	37000	--	3300	3300	2400	28000	--	--	--	
01/08/01	359.44	14.63	0.00	344.81	-0.13	23000	--	2500	710	2000	11000	--	--	--	
05/16/01	359.44	12.97	0.00	346.47	1.66	5100	--	430	160	170	--	1800	1100	ND<1500	
07/30/01	359.44	13.24	0.00	346.20	-0.27	12000	--	630	670	290	--	2700	2300	ND<20000	
12/06/01	362.07	14.08	0.00	347.99	1.79	78000	--	3300	12000	2300	--	250	ND<2000	ND<50000	
02/19/02	362.07	15.11	0.00	346.96	-1.03	69000	--	2400	7600	2400	--	810	ND<30000	ND<500000	
05/16/02	362.07	15.02	0.00	347.05	0.09	34000	--	500	990	400	--	82	ND<100	ND<2000	
09/05/02	362.07	15.64	0.00	346.43	-0.62	39000	--	1600	3500	1600	--	130	ND<300	ND<5000	
11/25/02	362.07	15.53	0.00	346.54	0.11	32000	--	1300	2600	1600	--	67	ND<300	ND<5000	
03/20/03	362.07	14.34	0.00	347.73	1.19	11000	--	100	98	93	--	ND<0.5	ND<50	ND<1000	
05/28/03	362.07	12.97	0.00	349.10	1.37	2100	--	93	11	31	--	21	33	ND<2000	
08/27/03	362.07	12.36	0.00	349.71	0.61	1000	--	52	17	91	--	19	ND<12	ND<1000	
12/30/03	362.07	14.53	0.00	347.54	-2.17	--	3500	58	42	120	--	5.2	ND<12	ND<1000	
03/16/04	362.07	14.23	0.00	347.84	0.30	--	1300	17	11	76	--	0.66	ND<12	ND<1000	
05/25/04	362.07	14.51	0.00	347.56	-0.28	--	18000	230	1500	540	--	45	ND<200	--	
08/25/04	362.07	14.39	0.00	347.68	0.12	1500	1600	57	17	160	--	12	ND<12	ND<1000	
11/23/04	361.97	13.83	0.00	348.14	0.46	1900	2700	29	16	42	--	9.6	ND<12	ND<1000	
02/22/05	361.97	10.15	0.00	351.82	3.68	--	750	25	14	2.2	--	4.2	ND<50	ND<1000	
05/24/05	361.97	10.98	0.00	350.99	-0.83	--	6900	70	330	740	--	ND<25	ND<2500	ND<50000	
08/02/05	361.97	11.83	0.00	350.14	-0.85	--	6600	51	180	1000	--	14	ND<250	ND<25000	
12/01/05	361.97	12.56	0.00	349.41	-0.73	--	980	4.3	1.1	34	--	2.5	ND<10	ND<1000	
03/16/06	361.97	--	--	--	--	--	--	--	--	--	--	--	--	--	Station under construction

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-5 continued															
04/25/06	361.97	12.71	0.00	349.26	--	--	4400	120	380	370	--	2.9	ND<10	ND<1000	
MW-6															
06/22/90	--	--	--	--	--	--	--	160	2.1	1.6	--	--	--	--	
07/25/90	359.74	15.81	0.00	343.93	--	--	--	320	0.56	0.74	--	--	--	--	
08/30/90	359.74	15.62	0.00	344.12	0.19	--	--	6.6	4.0	ND	--	--	--	--	
10/04/90	359.74	16.90	0.00	342.84	-1.28	--	--	507	5.0	1.0	--	--	--	--	
01/08/91	359.74	15.46	0.00	344.28	1.44	--	--	680	5.0	ND	--	--	--	--	
04/10/91	359.74	14.87	0.00	344.87	0.59	--	--	876	ND	36	--	--	--	--	
07/18/91	359.74	15.05	0.00	344.69	-0.18	--	--	240	7.2	0.9	--	--	--	--	
10/24/91	359.74	15.38	0.00	344.36	-0.33	8700	--	193	305	210	--	--	--	--	
01/23/92	359.74	16.72	0.00	343.02	-1.34	600	--	38	27	16	--	--	--	--	
04/24/92	359.74	15.06	0.00	344.68	1.66	780	--	296	21.2	17.6	--	--	--	--	
07/22/92	359.74	15.17	0.00	344.57	-0.11	830	--	180	4.0	9.0	--	--	--	--	
11/03/92	359.74	16.25	0.00	343.49	-1.08	120	--	36	2.5	4.0	--	--	--	--	
02/11/93	359.74	13.75	0.00	345.99	2.50	--	--	--	--	--	--	--	--	--	
06/08/93	359.79	12.78	0.00	347.01	1.02	700	--	35	87	16	--	--	--	--	Resurveyed
10/19/93	359.79	14.01	0.00	345.78	-1.23	--	--	--	--	--	--	--	--	--	
01/26/94	359.79	15.00	0.00	344.79	-0.99	--	--	--	--	--	--	--	--	--	
05/26/94	359.79	14.85	0.00	344.94	0.15	--	--	--	--	--	--	--	--	--	
11/02/94	359.79	14.66	0.00	345.13	0.19	ND	--	ND	1.4	ND	--	--	--	--	
03/04/95	359.79	14.51	0.00	345.28	0.15	--	--	--	--	--	--	--	--	--	
05/23/95	359.79	12.36	0.00	347.43	2.15	--	--	--	--	--	--	--	--	--	
08/08/95	359.79	13.01	0.00	346.78	-0.65	--	--	--	--	--	--	--	--	--	
11/07/95	359.79	13.84	0.00	345.95	-0.83	620	--	0.7	4.7	5.2	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-6 continued															
03/26/96	359.79	14.52	0.00	345.27	-0.68	--	--	--	--	--	--	--	--	--	
05/09/96	359.79	14.90	0.00	344.89	-0.38	ND	--	ND	ND	ND	ND	--	--	--	
11/01/96	359.79	15.58	0.00	344.21	-0.68	ND	--	ND	ND	ND	ND	--	--	--	
01/31/97	359.79	13.40	0.00	346.39	2.18	ND	--	ND	ND	ND	ND	--	--	--	
04/29/97	359.79	13.95	0.00	345.84	-0.55	ND	--	ND	ND	ND	ND	--	--	--	
07/16/97	359.79	14.50	0.00	345.29	-0.55	--	--	--	--	--	--	--	--	--	
10/14/97	359.79	14.87	0.00	344.92	-0.37	ND	--	ND	ND	ND	ND	--	--	--	
01/29/98	359.79	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
04/15/98	359.79	10.39	0.00	349.40	--	--	--	--	--	--	--	--	--	--	Monitored Only
07/14/98	359.79	11.40	0.00	348.39	-1.01	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/98	359.79	12.90	0.00	346.89	-1.50	ND	--	ND	ND	ND	ND	--	--	--	Regauged on 12/9/98
01/05/99	359.79	13.20	0.00	346.59	-0.30	--	--	--	--	--	--	--	--	--	Monitored Only
05/04/99	359.79	13.67	0.00	346.12	-0.47	--	--	--	--	--	--	--	--	--	Monitored Only
07/27/99	359.79	13.97	0.00	345.82	-0.30	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/99	359.79	14.28	0.00	345.51	-0.31	ND	--	ND	ND	ND	ND	--	--	--	
01/04/00	359.79	14.97	0.00	344.82	-0.69	--	--	--	--	--	--	--	--	--	Monitored Only
04/28/00	359.79	14.53	0.00	345.26	0.44	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<5.0	--	--	--	
07/25/00	359.79	14.40	0.00	345.39	0.13	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/00	359.79	14.69	0.00	345.10	-0.29	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<10	--	--	--	
01/08/01	359.79	14.82	0.00	344.97	-0.13	--	--	--	--	--	--	--	--	--	Monitored Only
05/16/01	359.79	13.08	0.00	346.71	1.74	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	ND<5.0	ND<50	ND<150	
07/30/01	359.79	13.34	0.00	346.45	-0.26	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<2000	
12/06/01	361.96	14.34	0.00	347.62	1.17	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
02/19/02	361.96	14.95	0.00	347.01	-0.61	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-6 continued															
05/16/02	361.96	15.33	0.00	346.63	-0.38	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
09/05/02	361.96	15.33	0.00	346.63	0.00	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
11/25/02	361.96	15.13	0.00	346.83	0.20	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
03/20/03	361.96	13.54	0.00	348.42	1.59	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
05/28/03	361.96	13.05	0.00	348.91	0.49	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
08/27/03	361.96	--	--	--	--	--	--	--	--	--	--	--	--	--	paved over
12/30/03	361.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
03/16/04	361.96	14.90	0.00	347.06	--	--	69	ND<0.5	0.80	ND<0.5	--	ND<0.5	ND<12	ND<1000	
05/25/04	361.96	14.19	0.00	347.77	0.71	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
08/25/04	362.51	14.69	0.00	347.82	0.05	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
11/23/04	362.51	13.68	0.00	348.83	1.01	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
02/22/05	362.51	8.56	0.00	353.95	5.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
05/24/05	362.51	10.90	0.00	351.61	-2.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
08/02/05	362.51	11.80	0.00	350.71	-0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/01/05	362.51	12.77	0.00	349.74	-0.97	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
03/16/06	362.51	12.90	0.00	349.61	-0.13	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
04/25/06	362.51	12.50	0.00	350.01	0.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-7															
06/22/90	--	--	--	--	--	--	--	25	1.0	ND	--	--	--	--	
07/25/90	360.31	16.54	0.00	343.77	--	--	--	76	4.1	7.6	--	--	--	--	
08/30/90	360.31	16.44	0.00	343.87	0.10	--	--	5.6	9.6	2.1	--	--	--	--	
10/04/90	360.31	16.70	0.00	343.61	-0.26	--	--	176	41.5	10.3	--	--	--	--	
01/08/91	360.31	16.22	0.00	344.09	0.48	--	--	42	17.4	9.6	--	--	--	--	
04/10/91	360.31	15.64	0.00	344.67	0.58	--	--	50	10	8.0	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-7 continued															
07/18/91	360.31	15.97	0.00	344.34	-0.33	--	--	22.4	29.8	1.1	--	--	--	--	
10/24/91	360.31	16.40	0.00	343.91	-0.43	ND	--	11.2	13.4	5.4	--	--	--	--	
01/23/92	360.31	17.37	0.00	342.94	-0.97	890	--	42	28	16	--	--	--	--	
04/24/92	360.31	15.64	0.00	344.67	1.73	ND	--	14.4	5.4	5.8	--	--	--	--	
07/22/92	360.31	16.91	0.00	343.40	-1.27	190	--	13	5.0	4.0	--	--	--	--	
11/03/92	360.31	16.09	0.00	344.22	0.82	980	--	71	30	6.2	--	--	--	--	
02/11/93	360.31	14.73	0.00	345.58	1.36	150	--	3.0	2.0	1.1	--	--	--	--	
06/08/93	360.48	13.27	0.00	347.21	1.63	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/93	360.48	14.56	0.00	345.92	-1.29	--	--	--	--	--	--	--	--	--	
01/26/94	360.48	15.63	0.00	344.85	-1.07	--	--	--	--	--	--	--	--	--	
05/26/94	360.48	15.64	0.00	344.84	-0.01	--	--	--	--	--	--	--	--	--	
11/02/94	360.48	16.07	0.00	344.41	-0.43	100	--	3.1	20	1.5	--	--	--	--	
03/04/95	360.48	14.25	0.00	346.23	1.82	--	--	--	--	--	--	--	--	--	
05/23/95	360.48	13.02	0.00	347.46	1.23	--	--	--	--	--	--	--	--	--	
08/08/95	360.48	13.78	0.00	346.70	-0.76	--	--	--	--	--	--	--	--	--	
11/07/95	360.48	14.75	0.00	345.73	-0.97	270	--	2.2	3.5	3.6	--	--	--	--	
03/26/96	360.48	15.10	0.00	345.38	-0.35	--	--	--	--	--	--	--	--	--	
05/09/96	360.48	15.26	0.00	345.22	-0.16	ND	--	1.4	ND	ND	ND	--	--	--	
11/01/96	360.48	16.25	0.00	344.23	-0.99	1200	--	24	63	10	5.7	--	--	--	
01/31/97	360.48	13.90	0.00	346.58	2.35	ND	--	2.4	ND	ND	ND	--	--	--	
04/29/97	360.48	14.51	0.00	345.97	-0.61	ND	--	ND	ND	ND	ND	--	--	--	
07/16/97	360.48	15.07	0.00	345.41	-0.56	ND	--	ND	ND	ND	ND	--	--	--	
10/14/97	360.48	15.39	0.00	345.09	-0.32	ND	--	ND	ND	ND	ND	--	--	--	
01/29/98	360.48	13.10	0.00	347.38	2.29	ND	--	ND	ND	ND	ND	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-7 continued															
04/15/98	360.48	10.90	0.00	349.58	2.20	--	--	--	--	--	--	--	--	--	Monitored Only
07/14/98	360.48	12.08	0.00	348.40	-1.18	ND	--	ND	ND	ND	ND	--	--	--	
10/14/98	360.48	13.49	0.00	346.99	-1.41	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
01/05/99	360.48	13.81	0.00	346.67	-0.32	--	--	--	--	--	--	--	--	--	Monitored Only
05/04/99	360.48	14.24	0.00	346.24	-0.43	--	--	--	--	--	--	--	--	--	Monitored Only
07/27/99	360.48	14.48	0.00	346.00	-0.24	830	--	170	2.6	45	ND	--	--	--	
10/18/99	360.48	14.82	0.00	345.66	-0.34	--	--	--	--	--	--	--	--	--	Monitored Only
01/04/00	360.48	15.33	0.00	345.15	-0.51	--	--	--	--	--	--	--	--	--	Monitored Only
04/28/00	360.48	15.14	0.00	345.34	0.19	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<5.0	--	--	--	
07/25/00	360.48	15.00	0.00	345.48	0.14	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<10	--	--	--	
10/19/00	360.48	15.32	0.00	345.16	-0.32	--	--	--	--	--	--	--	--	--	Monitored Only
01/08/01	360.48	15.61	0.00	344.87	-0.29	--	--	--	--	--	--	--	--	--	Monitored Only
05/16/01	360.48	13.61	0.00	346.87	2.00	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	ND<5.0	ND<50	ND<150	
07/30/01	360.48	13.99	0.00	346.49	-0.38	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
12/06/01	362.65	14.98	0.00	347.67	1.18	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
02/19/02	362.65	15.59	0.00	347.06	-0.61	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
05/16/02	362.65	16.00	0.00	346.65	-0.41	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
09/05/02	362.65	15.95	0.00	346.70	0.05	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
11/25/02	362.65	15.80	0.00	346.85	0.15	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
03/20/03	362.65	14.19	0.00	348.46	1.61	55	--	0.53	ND<0.5	0.58	--	ND<0.5	ND<50	ND<1000	
05/28/03	362.65	13.50	0.00	349.15	0.69	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
08/27/03	362.65	--	--	--	--	--	--	--	--	--	--	--	--	--	paved over
12/30/03	362.65	14.52	0.00	348.13	--	--	460	66	0.65	4.5	--	ND<0.5	ND<12	ND<1000	
03/16/04	362.65	14.14	0.00	348.51	0.38	--	590	69	2.6	12	--	ND<0.5	ND<12	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-7 continued															
05/25/04	362.65	14.33	0.00	348.32	-0.19	--	87	1.1	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
08/25/04	362.27	14.43	0.00	347.84	-0.48	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
11/23/04	362.27	13.65	0.00	348.62	0.78	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
02/22/05	362.27	9.53	0.00	352.74	4.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
05/24/05	362.27	10.47	0.00	351.80	-0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
08/02/05	362.27	11.35	0.00	350.92	-0.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/01/05	362.27	12.51	0.00	349.76	-1.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
03/16/06	362.27	13.30	0.00	348.97	-0.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
04/25/06	362.27	12.40	0.00	349.87	0.90	--	130	1.3	3.7	12	--	ND<0.50	ND<10	ND<1000	
MW-8															
06/22/90	--	--	--	--	--	--	--	190	69	110	--	--	--	--	
07/25/90	358.87	15.65	0.00	343.22	--	--	--	600	1000	2.0	--	--	--	--	
08/30/90	358.87	15.46	0.00	343.41	0.19	--	--	2110	910	30	--	--	--	--	
10/04/90	358.87	15.78	0.00	343.09	-0.32	--	--	5010	136	487	--	--	--	--	
01/08/91	358.87	15.68	0.00	343.19	0.10	--	--	1300	55	205	--	--	--	--	
04/10/91	358.87	14.89	0.00	343.98	0.79	--	--	2100	50	200	--	--	--	--	
07/18/91	358.87	15.13	0.00	343.74	-0.24	--	--	1054	31	108	--	--	--	--	
10/24/91	358.87	15.51	0.00	343.36	-0.38	3650	--	1970	98	280	--	--	--	--	
01/23/92	358.87	16.39	0.00	342.48	-0.88	4000	--	1900	17	320	--	--	--	--	
04/24/92	358.87	14.85	0.00	344.02	1.54	21200	--	7220	610	1080	--	--	--	--	
07/22/92	358.87	14.98	0.00	343.89	-0.13	5200	--	1400	100	270	--	--	--	--	
11/03/92	358.87	15.85	0.00	343.02	-0.87	7700	--	4000	280	610	--	--	--	--	
02/11/93	358.87	13.69	0.00	345.18	2.16	13000	--	1900	460	360	--	--	--	--	
06/08/93	358.97	12.63	0.00	346.34	1.16	8800	--	2700	350	510	--	--	--	--	Resurveyed

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-8 continued															
10/19/93	358.97	13.78	0.00	345.19	-1.15	--	--	--	--	--	--	--	--	--	
01/26/94	358.97	14.72	0.00	344.25	-0.94	--	--	--	--	--	--	--	--	--	
05/26/94	358.97	14.65	0.00	344.32	0.07	21000	--	5500	260	1300	--	--	--	--	
11/02/94	358.97	15.14	0.00	343.83	-0.49	--	--	--	--	--	--	--	--	--	
03/04/95	358.97	13.60	0.00	345.37	1.54	--	--	--	--	--	--	--	--	--	
05/23/95	358.97	12.49	0.00	346.48	1.11	21000	--	4100	480	1400	--	--	--	--	
08/08/95	358.97	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/07/95	358.97	14.05	0.00	344.92	--	--	--	--	--	--	--	--	--	--	
03/26/96	358.97	14.26	0.00	344.71	-0.21	--	--	--	--	--	--	--	--	--	
05/09/96	358.97	14.45	0.00	344.52	-0.19	13000	--	2900	200	940	190	--	--	--	
11/01/96	358.97	15.16	0.00	343.81	-0.71	19000	--	3700	400	1100	260	--	--	--	
01/31/97	358.97	13.15	0.00	345.82	2.01	23000	--	5100	750	1600	320	--	--	--	
04/29/97	358.97	13.38	0.00	345.59	-0.23	15000	--	3200	550	1300	ND	--	--	--	
07/16/97	358.97	13.60	0.00	345.37	-0.22	--	--	--	--	--	--	--	--	--	
10/14/97	358.97	14.17	0.00	344.80	-0.57	40000	--	5300	2000	1800	ND	--	--	--	
01/29/98	358.97	13.00	0.00	345.97	1.17	34000	--	4700	910	1500	ND	--	--	--	
04/15/98	358.97	10.20	0.00	348.77	2.80	--	--	--	--	--	--	--	--	--	Monitored Only
07/14/98	358.97	11.34	0.00	347.63	-1.14	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/98	358.97	11.50	0.00	347.47	-0.16	45000	--	5500	3100	2200	760	--	--	--	Regauged on 12/9/98
01/05/99	358.97	12.07	0.00	346.90	-0.57	--	--	--	--	--	--	--	--	--	Monitored Only
05/04/99	358.97	13.21	0.00	345.76	-1.14	--	--	--	--	--	--	--	--	--	Monitored Only
07/27/99	358.97	13.49	0.00	345.48	-0.28	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/99	358.97	13.30	0.00	345.67	0.19	26000	--	2100	1400	1500	690	--	--	--	
01/04/00	358.97	13.97	0.00	345.00	-0.67	--	--	--	--	--	--	--	--	--	Monitored Only

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-8 continued															
04/28/00	358.97	13.97	0.00	345.00	0.00	6800	--	370	120	430	100	--	--	--	
07/25/00	358.97	13.93	0.00	345.04	0.04	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/00	358.97	14.15	0.00	344.82	-0.22	5700	--	470	120	540	ND<500	--	--	--	
01/08/01	358.97	14.41	0.00	344.56	-0.26	--	--	--	--	--	--	--	--	--	Monitored Only
05/16/01	358.97	12.75	0.00	346.22	1.66	10000	--	420	130	650	--	250	ND<500	ND<1500	
07/30/01	358.97	12.98	0.00	345.99	-0.23	25000	--	780	540	1300	--	460	ND<300	ND<10000	
12/06/01	360.96	13.83	0.00	347.13	1.14	5400	--	100	34	150	--	210	120	ND<2000	
02/19/02	360.96	14.35	0.00	346.61	-0.52	12000	--	290	74	620	--	1500	ND<300	ND<10000	
05/16/02	360.96	14.74	0.00	346.22	-0.39	8000	--	210	40	550	--	2300	ND<50	ND<2000	
09/05/02	360.96	14.82	0.00	346.14	-0.08	7800	--	180	64	610	--	2200	ND<1000	ND<40000	
11/25/02	360.96	14.67	0.00	346.29	0.15	12000	--	240	61	780	--	2700	ND<1000	ND<20000	
03/20/03	360.96	13.52	0.00	347.44	1.15	2000	--	25	15	7.5	--	270	ND<50	ND<1000	
05/28/03	360.96	13.72	0.00	347.24	-0.20	3800	--	42	14	300	--	520	ND<200	ND<10000	
08/27/03	360.96	--	--	--	--	--	--	--	--	--	--	--	--	--	paved over
12/30/03	360.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
03/16/04	360.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
05/25/04	360.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
08/25/04	361.36	14.14	0.00	347.22	--	--	8400	170	81	780	--	380	860	ND<5000	
11/23/04	361.36	13.48	0.00	347.88	0.66	--	--	--	--	--	--	--	--	--	Sample not allowed
02/22/05	361.36	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned
MW-9															
06/22/90	--	--	--	--	--	--	--	59	1.0	0.92	--	--	--	--	
07/25/90	360.28	17.02	0.00	343.26	--	--	--	6.3	0.46	ND	--	--	--	--	
08/30/90	360.28	16.66	0.00	343.62	0.36	--	--	3.1	4.9	ND	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through April 2006

76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-9 continued															
10/04/90	360.28	17.16	0.00	343.12	-0.50	--	--	42.7	ND	90	--	--	--	--	
01/08/91	360.28	17.04	0.00	343.24	0.12	--	--	25	90	ND	--	--	--	--	
04/10/91	360.28	16.28	0.00	344.00	0.76	--	--	81	11	ND	--	--	--	--	
07/18/91	360.28	16.50	0.00	343.78	-0.22	--	--	30.2	12.4	60	--	--	--	--	
10/24/91	360.28	17.03	0.00	343.25	-0.53	1564	--	70	14.3	146	--	--	--	--	
01/23/92	360.28	17.75	0.00	342.53	-0.72	1700	--	28	2.5	100	--	--	--	--	
04/24/92	360.28	16.91	0.00	343.37	0.84	1749	--	35.8	5.0	133	--	--	--	--	
07/22/92	360.81	17.11	0.00	343.70	0.33	750	--	40	2.0	60	--	--	--	--	Resurveyed
11/03/92	360.81	18.08	0.00	342.73	-0.97	3300	--	27	36	47	--	--	--	--	
02/11/93	360.81	15.78	0.00	345.03	2.30	310	--	ND	ND	2.4	--	--	--	--	
06/08/93	361.15	14.73	0.00	346.42	1.39	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/93	361.15	15.87	0.00	345.28	-1.14	--	--	--	--	--	--	--	--	--	
01/26/94	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/26/94	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/02/94	361.15	17.28	0.00	343.87	--	380	--	1.0	1.4	0.6	--	--	--	--	
03/04/95	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/23/95	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
08/08/95	361.15	15.30	0.00	345.85	--	840	--	53	6.2	120	--	--	--	--	
11/07/95	361.15	16.27	0.00	344.88	-0.97	--	--	--	--	--	--	--	--	--	
03/26/96	361.15	14.31	0.00	346.84	1.96	--	--	--	--	--	--	--	--	--	
05/09/96	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
11/01/96	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
01/31/97	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
04/29/97	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-9 continued															
07/16/97	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/14/97	361.15	16.56	0.00	344.59	--	150	--	ND	1.4	ND	ND	--	--	--	Gauged and sampled on 11/3/97
04/15/98	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
07/24/98	361.15	13.79	0.00	347.36	--	--	--	--	--	--	--	--	--	--	
10/14/98	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
01/05/99	361.15	15.05	0.00	346.10	--	--	--	--	--	--	--	--	--	--	Monitored Only
05/04/99	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
07/27/99	361.15	15.76	0.00	345.39	--	5000	--	55	9.0	650	26	--	--	--	
10/18/99	361.15	15.91	0.00	345.24	-0.15	--	--	--	--	--	--	--	--	--	Monitored Only
01/04/00	361.15	16.11	0.00	345.04	-0.20	--	--	--	--	--	--	--	--	--	Monitored Only
04/28/00	361.15	16.26	0.00	344.89	-0.15	3100	--	18	5.9	180	17	--	--	--	
07/25/00	361.15	16.20	0.00	344.95	0.06	1800	--	19	ND<1.5	94	ND<50	--	--	--	
10/19/00	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
01/08/01	361.15	16.72	0.00	344.43	--	--	--	--	--	--	--	--	--	--	Monitored Only
05/16/01	361.15	14.98	0.00	346.17	1.74	1500	--	8.5	ND<2.0	2.0	--	9.4	ND<50	ND<150	
07/30/01	361.15	15.27	0.00	345.88	-0.29	2200	--	22	0.78	2.0	--	12	ND<50	ND<2000	
12/06/01	363.29	16.08	0.00	347.21	1.33	4600	--	31	1.3	2.0	--	11	ND<50	ND<2000	
02/19/02	363.29	16.62	0.00	346.67	-0.54	3000	--	11	ND<3	ND<3	--	7.6	ND<300	ND<10000	
05/16/02	363.29	17.04	0.00	346.25	-0.42	1100	--	2.8	ND<0.5	ND<0.5	--	6.6	ND<50	ND<2000	
09/05/02	363.29	17.09	0.00	346.20	-0.05	530	--	1.1	ND<0.5	ND<0.5	--	4.8	ND<50	ND<2000	
11/25/02	363.29	16.95	0.00	346.34	0.14	1600	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
03/20/03	363.29	15.80	0.00	347.49	1.15	1100	--	0.50	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
05/28/03	363.29	15.01	0.00	348.28	0.79	1300	--	1.7	ND<0.5	1.1	--	4.3	ND<12	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-9 continued															
08/27/03	363.29	--	--	--	--	--	--	--	--	--	--	--	--	--	paved over
12/30/03	363.29	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
03/16/04	363.29	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
05/25/04	363.29	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
08/25/04	362.78	15.48	0.00	347.30	--	--	950	8.9	ND<0.5	2.9	--	7.0	23	ND<1000	
11/23/04	362.78	14.81	0.00	347.97	0.67	--	1300	2.8	ND<0.5	ND<0.5	--	6.8	ND<12	ND<1000	
02/22/05	362.78	11.51	0.00	351.27	3.30	--	110	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
05/24/05	362.78	11.91	0.00	350.87	-0.40	--	7600	240	16	320	--	4.2	ND<50	ND<1000	
08/02/05	362.78	12.65	0.00	350.13	-0.74	--	6100	300	8.6	470	--	ND<5.0	930	ND<10000	
12/01/05	362.78	13.57	0.00	349.21	-0.92	--	5100	170	4.6	130	--	ND<2.5	ND<50	ND<5000	
03/16/06	362.78	--	--	--	--	--	--	--	--	--	--	--	--	--	Station under construction
04/25/06	362.78	--	--	--	--	--	--	--	--	--	--	--	--	--	under construction
MW-10															
06/22/90	--	--	--	--	--	--	--	3900	4100	2100	--	--	--	--	
07/25/90	360.17	16.83	0.00	343.34	--	--	--	126000	126000	1000	--	--	--	--	
08/30/90	360.17	16.31	0.00	343.86	0.52	--	--	13950	15100	1235	--	--	--	--	
10/04/90	360.17	16.96	0.00	343.21	-0.65	--	--	15460	15580	2160	--	--	--	--	
01/08/91	360.17	16.82	0.00	343.35	0.14	--	--	9333	12300	1600	--	--	--	--	
04/10/91	360.17	16.23	0.00	343.94	0.59	--	--	4900	4800	700	--	--	--	--	
07/18/91	360.17	16.29	0.00	343.88	-0.06	--	--	10800	15450	1550	--	--	--	--	
10/24/91	360.17	16.92	0.04	343.28	-0.60	--	--	--	--	--	--	--	--	--	
01/23/92	360.17	17.70	0.50	342.85	-0.43	--	--	--	--	--	--	--	--	--	
04/24/92	360.17	16.00	0.11	344.25	1.41	--	--	--	--	--	--	--	--	--	
07/22/92	360.17	16.27	0.03	343.92	-0.33	--	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-10 continued															
11/03/92	360.17	17.32	0.00	342.85	-1.07	60000	--	16000	24000	4000	--	--	--	--	
02/11/93	360.17	14.98	0.00	345.19	2.34	75000	--	1800	4100	480	--	--	--	--	
06/08/93	360.23	13.72	0.00	346.51	1.32	130000	--	11000	20000	2900	--	--	--	--	
10/19/93	360.23	14.92	0.00	345.31	-1.20	64000	--	6000	10000	2200	--	--	--	--	Resurveyed
01/26/94	360.23	15.82	0.00	344.41	-0.90	--	--	--	--	--	--	--	--	--	
05/26/94	360.23	15.22	0.00	345.01	0.60	--	--	--	--	--	--	--	--	--	
11/02/94	360.23	15.72	0.00	344.51	-0.50	--	--	--	--	--	--	--	--	--	
03/04/95	360.23	14.05	0.00	346.18	1.67	49000	--	13000	3400	2400	--	--	--	--	
05/23/95	360.23	12.98	0.00	347.25	1.07	--	--	--	--	--	--	--	--	--	
08/08/95	360.23	13.61	0.00	346.62	-0.63	--	--	--	--	--	--	--	--	--	
11/07/95	360.23	14.75	0.00	345.48	-1.14	59000	--	5100	3400	2600	--	--	--	--	
03/26/96	360.23	14.80	0.00	345.43	-0.05	--	--	--	--	--	--	--	--	--	
05/09/96	360.23	14.97	0.00	345.26	-0.17	28000	--	4300	1900	2200	360	--	--	--	
11/01/96	360.23	16.06	0.00	344.17	-1.09	42000	--	3600	5700	2500	1100	--	--	--	
01/31/97	360.23	14.10	0.00	346.13	1.96	30000	--	1700	800	1800	7900	--	--	--	
04/29/97	360.23	14.26	0.00	345.97	-0.16	34000	--	1100	5200	1600	1200	--	--	--	
07/16/97	360.23	13.88	0.00	346.35	0.38	--	--	--	--	--	--	--	--	--	
10/14/97	360.23	15.20	0.00	345.03	-1.32	18000	--	1200	900	970	1300	--	--	--	
01/29/98	360.23	13.58	0.00	346.65	1.62	2800	--	670	7.7	130	900	--	--	--	
04/15/98	360.23	11.30	0.00	348.93	2.28	4200	--	330	82	97	140	--	--	--	
07/14/98	360.23	12.26	0.00	347.97	-0.96	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/98	360.23	13.34	0.00	346.89	-1.08	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
01/05/99	360.23	13.41	0.00	346.82	-0.07	--	--	--	--	--	--	--	--	--	Monitored Only
05/04/99	360.23	14.14	0.00	346.09	-0.73	26000	--	760	190	2500	3300	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-10 continued															
07/27/99	360.23	14.40	0.00	345.83	-0.26	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/99	360.23	14.64	0.00	345.59	-0.24	--	--	--	--	--	--	--	--	--	Monitored Only
01/04/00	360.23	15.01	0.00	345.22	-0.37	--	--	--	--	--	--	--	--	--	Monitored Only
04/28/00	360.23	14.92	0.00	345.31	0.09	40000	--	750	95	1300	25000	--	--	--	
07/25/00	360.23	14.90	0.00	345.33	0.02	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/00	360.23	15.10	0.00	345.13	-0.20	--	--	--	--	--	--	--	--	--	Monitored Only
01/08/01	360.23	15.34	0.00	344.89	-0.24	--	--	--	--	--	--	--	--	--	Monitored Only
05/16/01	360.23	12.91	0.00	347.32	2.43	13000	--	200	52	1700	--	650	ND<500	ND<1500	
07/30/01	360.23	13.94	0.00	346.29	-1.03	21000	--	220	75	2500	--	1000	ND<500	ND<20000	
12/06/01	362.08	14.82	0.00	347.26	0.97	12000	--	240	17	1100	--	900	85	ND<2000	
02/19/02	362.08	15.30	0.00	346.78	-0.48	6400	--	380	22	1300	--	220	ND<300	ND<10000	
05/16/02	362.08	15.72	0.00	346.36	-0.42	6400	--	410	22	1000	--	160	ND<300	ND<10000	
09/05/02	362.08	15.80	0.00	346.28	-0.08	7900	--	280	59	1800	--	120	ND<300	ND<10000	
11/25/02	362.08	15.64	0.00	346.44	0.16	19000	--	920	91	2700	--	300	ND<500	ND<10000	
03/20/03	362.08	14.47	0.00	347.61	1.17	3900	--	57	48	280	--	ND<0.5	ND<50	ND<1000	
05/28/03	362.08	13.62	0.00	348.46	0.85	8600	--	43	42	840	--	ND<5	ND<200	ND<10000	
08/27/03	362.08	14.11	0.00	347.97	-0.49	--	2300	34	52	430	--	ND<0.5	ND<12	ND<1000	
12/30/03	362.08	14.72	0.00	347.36	-0.61	--	2000	100	6.3	60	--	7.8	ND<12	ND<1000	
03/16/04	362.08	14.44	0.00	347.64	0.28	--	230	11	1.2	1.3	--	ND<0.5	ND<12	ND<1000	
05/25/04	362.08	14.61	0.00	347.47	-0.17	--	160	2.5	ND<0.5	1.7	--	ND<0.5	ND<12	ND<1000	
08/25/04	362.08	14.63	0.00	347.45	-0.02	--	110	4.5	ND<0.5	0.85	--	ND<0.5	ND<12	ND<1000	
11/23/04	362.08	13.94	0.00	348.14	0.69	--	2000	22	7.8	ND<0.5	--	ND<5	ND<200	ND<10000	
02/22/05	362.08	10.27	0.00	351.81	3.67	--	880	9.0	8.2	0.72	--	ND<0.50	ND<50	ND<1000	
05/24/05	362.08	11.03	0.00	351.05	-0.76	--	12000	82	58	1300	--	ND<0.50	ND<50	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-10 continued															
08/02/05	362.08	11.80	0.00	350.28	-0.77	--	1900	44	12	380	--	0.62	ND<10	ND<1000	
12/01/05	362.08	12.65	0.00	349.43	-0.85	--	5200	58	26	910	--	ND<25	ND<500	ND<50000	
03/16/06	362.08	--	--	--	--	--	--	--	--	--	--	--	--	--	Station under construction
04/25/06	362.08	12.80	0.00	349.28	--	--	3600	76	290	370	--	1.6	ND<10	ND<1000	
MW-11															
06/22/90	--	--	--	--	--	--	--	30	5.2	ND	--	--	--	--	
07/25/90	360.21	16.87	0.00	343.34	--	--	--	0.33	0.2	ND	--	--	--	--	
08/30/90	360.21	16.65	0.00	343.56	0.22	--	--	ND	ND	ND	--	--	--	--	
10/04/90	360.21	17.00	0.00	343.21	-0.35	--	--	ND	ND	ND	--	--	--	--	
01/08/91	360.21	16.87	0.00	343.34	0.13	--	--	ND	ND	ND	--	--	--	--	
04/10/91	360.21	16.07	0.00	344.14	0.80	--	--	ND	ND	ND	--	--	--	--	
07/18/91	360.21	16.32	0.00	343.89	-0.25	--	--	ND	ND	ND	--	--	--	--	
10/24/91	360.21	16.92	0.00	343.29	-0.60	ND	--	1.7	2.6	1.1	--	--	--	--	
01/23/92	360.21	17.60	0.00	342.61	-0.68	ND	--	ND	ND	ND	--	--	--	--	
04/24/92	360.21	16.21	0.00	344.00	1.39	ND	--	0.94	0.9	0.6	--	--	--	--	
07/22/92	360.21	16.21	0.00	344.00	0.00	ND	--	ND	0.7	ND	--	--	--	--	
11/03/92	360.21	17.08	0.00	343.13	-0.87	ND	--	ND	ND	ND	--	--	--	--	
02/11/93	360.21	14.73	0.00	345.48	2.35	ND	--	ND	ND	ND	--	--	--	--	
06/08/93	360.41	13.84	0.00	346.57	1.09	ND	--	1.9	4.3	1.5	--	--	--	--	Resurveyed
10/19/93	360.41	15.00	0.00	345.41	-1.16	--	--	--	--	--	--	--	--	--	
01/26/94	360.41	15.06	0.00	345.35	-0.06	ND	--	ND	ND	ND	--	--	--	--	
05/26/94	360.41	15.63	0.00	344.78	-0.57	--	--	--	--	--	--	--	--	--	
11/02/94	360.41	16.40	0.00	344.01	-0.77	--	--	--	--	--	--	--	--	--	
03/04/95	360.41	14.76	0.00	345.65	1.64	ND	--	ND	ND	ND	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-11 continued															
05/23/95	360.41	13.90	0.00	346.51	0.86	--	--	--	--	--	--	--	--	--	
08/08/95	360.41	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/07/95	360.41	15.26	0.00	345.15	--	--	--	--	--	--	--	--	--	--	
03/26/96	360.41	15.43	0.00	344.98	-0.17	ND	--	ND	ND	ND	--	--	--	--	
05/09/96	360.41	15.86	0.00	344.55	-0.43	ND	--	ND	ND	ND	31	--	--	--	
11/01/96	360.41	16.54	0.00	343.87	-0.68	120	--	ND	ND	ND	110	--	--	--	
01/31/97	360.41	14.84	0.00	345.57	1.70	120	--	ND	ND	ND	94	--	--	--	
04/29/97	360.41	--	--	--	--	--	--	--	--	--	--	--	--	--	Car parked on well
07/16/97	360.41	15.32	0.00	345.09	--	--	--	--	--	--	--	--	--	--	
10/14/97	360.41	15.60	0.00	344.81	-0.28	84	--	ND	ND	ND	120	--	--	--	
01/29/98	360.41	14.38	0.00	346.03	1.22	160	--	ND	ND	ND	170	--	--	--	
04/15/98	360.41	11.70	0.00	348.71	2.68	--	--	--	--	--	--	--	--	--	Monitored Only
07/14/98	360.41	12.68	0.00	347.73	-0.98	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/98	360.41	13.41	0.00	347.00	-0.73	250	--	ND	ND	ND	340	--	--	--	Regauged on 12/9/98
01/05/99	360.41	13.85	0.00	346.56	-0.44	--	--	--	--	--	--	--	--	--	Monitored Only
05/04/99	360.41	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
07/27/99	360.41	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
10/18/99	360.41	13.40	0.00	347.01	--	--	--	--	--	--	--	--	--	--	Obstruction in well
01/04/00	360.41	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
04/28/00	360.41	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well at 13.97 ft.
07/25/00	360.41	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
10/19/00	360.41	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
01/08/01	360.41	15.63	0.00	344.78	--	--	--	--	--	--	--	--	--	--	Monitored Only
05/16/01	360.41	14.08	0.00	346.33	1.55	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	13	160	ND<150	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through April 2006

76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-11 continued															
07/30/01	360.41	14.41	0.00	346.00	-0.33	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	8.3	130	ND<2000	
12/06/01	362.56	15.29	0.00	347.27	1.27	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	3.7	130	ND<2000	
02/19/02	362.56	15.75	0.00	346.81	-0.46	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	2.9	65	ND<2000	
05/16/02	362.56	16.20	0.00	346.36	-0.45	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	1.8	ND<50	ND<2000	
09/05/02	362.56	16.22	0.00	346.34	-0.02	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	1.6	ND<50	ND<2000	
11/25/02	362.56	16.11	0.00	346.45	0.11	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	1.7	ND<50	ND<1000	
03/20/03	362.56	14.91	0.00	347.65	1.20	ND<50	--	0.54	ND<0.5	ND<0.5	--	2.7	ND<50	ND<1000	
05/28/03	362.56	14.13	0.00	348.43	0.78	110	--	5.9	ND<0.5	ND<0.5	--	4.8	52	ND<1000	
08/27/03	362.56	--	--	--	--	--	--	--	--	--	--	--	--	--	paved over
12/30/03	362.56	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
03/16/04	362.56	15.34	0.00	347.22	--	--	110	1.5	2.2	0.82	--	0.62	ND<12	ND<1000	
05/25/04	362.56	15.78	0.00	346.78	-0.44	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	2.1	ND<12	ND<1000	
08/25/04	363.22	15.79	0.00	347.43	0.65	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	1.4	ND<12	ND<1000	
11/23/04	363.22	15.09	0.00	348.13	0.70	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
02/22/05	363.22	12.71	0.00	350.51	2.38	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
05/24/05	363.22	12.12	0.00	351.10	0.59	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
08/02/05	363.22	12.86	0.00	350.36	-0.74	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	0.64	ND<10	ND<1000	
12/01/05	363.22	13.02	0.00	350.20	-0.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
03/16/06	363.22	13.61	0.00	349.61	-0.59	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
04/25/06	363.22	13.91	0.00	349.31	-0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-12															
06/22/90	--	--	--	--	--	--	--	8.9	41	87	--	--	--	--	
07/25/90	360.55	17.04	0.00	343.51	--	--	--	15	0.69	ND	--	--	--	--	
08/30/90	360.55	16.93	0.00	343.62	0.11	--	--	0.5	1.6	ND	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-12 continued															
10/04/90	360.55	17.22	0.00	343.33	-0.29	--	--	1.4	4.7	ND	--	--	--	--	
01/08/91	360.55	17.01	0.00	343.54	0.21	--	--	3.0	4.2	ND	--	--	--	--	
04/10/91	360.55	16.25	0.00	344.30	0.76	--	--	34	9.0	ND	--	--	--	--	
07/18/91	360.55	16.51	0.00	344.04	-0.26	--	--	171	12.4	ND	--	--	--	--	
10/24/91	360.55	17.10	0.00	343.45	-0.59	ND	--	203	4.6	1.1	--	--	--	--	
01/23/92	360.55	18.82	0.00	341.73	-1.72	580	--	120	2.4	1.9	--	--	--	--	
04/24/92	360.55	16.21	0.00	344.34	2.61	ND	--	51.8	3.2	0.92	--	--	--	--	
07/22/92	360.55	16.41	0.00	344.14	-0.20	90	--	6.0	0.8	1.0	--	--	--	--	
11/03/92	360.55	17.25	0.00	343.30	-0.84	ND	--	ND	ND	ND	--	--	--	--	
02/11/93	360.55	14.78	0.00	345.77	2.47	510	--	4.8	15	6.0	--	--	--	--	
06/08/93	360.60	13.77	0.00	346.83	1.06	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/93	360.60	15.06	0.00	345.54	-1.29	--	--	--	--	--	--	--	--	--	
01/26/94	360.60	16.00	0.00	344.60	-0.94	--	--	--	--	--	--	--	--	--	
05/26/94	360.60	15.92	0.00	344.68	0.08	140	--	13	0.8	5.0	--	--	--	--	
11/02/94	360.60	16.48	0.00	344.12	-0.56	--	--	--	--	--	--	--	--	--	
03/04/95	360.60	14.70	0.00	345.90	1.78	--	--	--	--	--	--	--	--	--	
05/23/95	360.60	13.56	0.00	347.04	1.14	230	--	16	ND	14	--	--	--	--	
08/08/95	360.60	14.29	0.00	346.31	-0.73	--	--	--	--	--	--	--	--	--	
11/07/95	360.60	15.23	0.00	345.37	-0.94	--	--	--	--	--	--	--	--	--	
03/26/96	360.60	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/09/96	360.60	15.63	0.00	344.97	--	ND	--	ND	ND	ND	ND	--	--	--	
11/01/96	360.60	16.63	0.00	343.97	-1.00	ND	--	ND	ND	ND	ND	--	--	--	
01/31/97	360.60	14.52	0.00	346.08	2.11	ND	--	0.6	ND	ND	16	--	--	--	
04/29/97	360.60	14.72	0.00	345.88	-0.20	ND	--	ND	ND	ND	ND	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-12 continued															
07/16/97	360.60	15.36	0.00	345.24	-0.64	--	--	--	--	--	--	--	--	--	
10/14/97	360.60	15.67	0.00	344.93	-0.31	84	--	0.88	4.9	ND	ND	--	--	--	
01/29/98	360.60	14.30	0.00	346.30	1.37	ND	--	ND	0.77	ND	ND	--	--	--	
04/15/98	360.60	11.51	0.00	349.09	2.79	ND	--	1.8	0.35	0.72	ND	--	--	--	
07/14/98	360.60	12.58	0.00	348.02	-1.07	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/98	360.60	13.91	0.00	346.69	-1.33	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
01/05/99	360.60	14.14	0.00	346.46	-0.23	--	--	--	--	--	--	--	--	--	Monitored Only
05/04/99	360.60	14.60	0.00	346.00	-0.46	ND	--	ND	ND	ND	ND	--	--	--	
07/27/99	360.60	14.84	0.00	345.76	-0.24	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/99	360.60	15.11	0.00	345.49	-0.27	--	--	--	--	--	--	--	--	--	Monitored Only
01/04/00	360.60	15.46	0.00	345.14	-0.35	--	--	--	--	--	--	--	--	--	Monitored Only
04/28/00	360.60	15.40	0.00	345.20	0.06	78	--	0.98	0.51	0.95	18	--	--	--	
07/25/00	360.60	14.58	0.00	346.02	0.82	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/00	360.60	15.65	0.00	344.95	-1.07	--	--	--	--	--	--	--	--	--	Monitored Only
01/08/01	360.60	15.89	0.00	344.71	-0.24	--	--	--	--	--	--	--	--	--	Monitored Only
05/16/01	360.60	14.01	0.00	346.59	1.88	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	5.1	ND<50	ND<150	
07/30/01	360.60	14.38	0.00	346.22	-0.37	130	--	0.79	ND<0.50	ND<0.50	--	1.8	ND<50	ND<2000	
12/06/01	362.76	15.26	0.00	347.50	1.28	200	--	0.62	ND<0.5	ND<0.5	--	1.8	ND<50	ND<2000	
02/19/02	362.76	15.84	0.00	346.92	-0.58	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	7.1	ND<50	ND<2000	
05/16/02	362.76	16.23	0.00	346.53	-0.39	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	8.5	ND<50	ND<2000	
09/05/02	362.76	16.24	0.00	346.52	-0.01	110	--	ND<0.5	ND<0.5	ND<0.5	--	1.3	ND<50	ND<2000	
11/25/02	362.76	16.09	0.00	346.67	0.15	140	--	ND<0.5	ND<0.5	ND<0.5	--	1.6	ND<50	ND<1000	
03/20/03	362.76	14.81	0.00	347.95	1.28	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	3.2	ND<50	ND<1000	
05/28/03	362.76	14.06	0.00	348.70	0.75	52	--	2.4	ND<0.5	ND<0.5	--	2.7	ND<12	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-12 continued															
08/27/03	362.76	--	--	--	--	--	--	--	--	--	--	--	--	--	paved over
12/30/03	362.76	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
03/16/04	362.76	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
05/25/04	362.76	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
08/25/04	362.76	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned
MW-13															
06/22/90	--	--	--	--	--	--	--	1800	6600	1400	--	--	--	--	
07/25/90	360.65	16.86	0.00	343.79	--	--	--	23	31	3.7	--	--	--	--	
08/30/90	360.65	18.05	1.50	343.73	-0.06	--	--	--	--	--	--	--	--	--	
10/04/90	360.65	18.49	1.81	343.52	-0.21	--	--	--	--	--	--	--	--	--	
01/08/91	360.65	17.74	1.38	343.95	0.43	--	--	--	--	--	--	--	--	--	
04/10/91	360.65	15.87	0.47	345.13	1.19	--	--	--	--	--	--	--	--	--	
07/18/91	360.65	16.65	0.38	344.29	-0.85	--	--	--	--	--	--	--	--	--	
10/24/91	360.65	16.83	0.04	343.85	-0.43	--	--	--	--	--	--	--	--	--	
01/23/92	360.65	19.00	1.67	342.90	-0.95	--	--	--	--	--	--	--	--	--	
04/24/92	360.65	15.52	0.11	345.21	2.31	--	--	--	--	--	--	--	--	--	
07/22/92	360.65	16.02	0.04	344.66	-0.55	--	--	--	--	--	--	--	--	--	
11/03/92	360.65	17.15	0.00	343.50	-1.16	110000	--	2100	4200	2900	--	--	--	--	
02/11/93	360.65	14.31	0.00	346.34	2.84	16000	--	370	740	260	--	--	--	--	
06/08/93	360.65	13.47	0.00	347.18	0.84	14000	--	550	650	410	--	--	--	--	
10/19/93	360.65	14.78	0.00	345.87	-1.31	7300	--	420	250	260	--	--	--	--	
01/26/94	360.65	15.85	0.00	344.80	-1.07	--	--	--	--	--	--	--	--	--	
05/26/94	360.65	15.80	0.00	344.85	0.05	--	--	--	--	--	--	--	--	--	
11/02/94	360.65	16.22	0.00	344.43	-0.42	--	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-13 continued															
03/04/95	360.65	14.42	0.00	346.23	1.80	16000	--	540	230	360	--	--	--	--	
05/23/95	360.65	13.18	0.00	347.47	1.24	--	--	--	--	--	--	--	--	--	
08/08/95	360.65	13.95	0.00	346.70	-0.77	--	--	--	--	--	--	--	--	--	
11/07/95	360.65	13.68	0.00	346.97	0.27	--	--	--	--	--	--	--	--	--	
03/26/96	360.65	15.15	0.00	345.50	-1.47	4300	--	7.1	28	49	--	--	--	--	
05/09/96	360.65	15.43	0.00	345.22	-0.28	4000	--	330	86	120	ND	--	--	--	
11/01/96	360.65	16.43	0.00	344.22	-1.00	9600	--	1000	360	330	190	--	--	--	
01/31/97	360.65	14.10	0.00	346.55	2.33	1900	--	350	48	180	ND	--	--	--	
04/29/97	360.65	14.75	0.00	345.90	-0.65	9100	--	1300	360	570	ND	--	--	--	
07/16/97	360.65	15.25	0.00	345.40	-0.50	--	--	--	--	--	--	--	--	--	
10/14/97	360.65	15.57	0.00	345.08	-0.32	5100	--	670	40	360	ND	--	--	--	
01/29/98	360.65	13.40	0.00	347.25	2.17	950	--	36	9.7	24	ND	--	--	--	
04/15/98	360.65	11.06	0.00	349.59	2.34	--	--	--	--	--	--	--	--	--	Monitored Only
07/14/98	360.65	11.98	0.00	348.67	-0.92	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/98	360.65	13.60	0.00	347.05	-1.62	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
01/05/99	360.65	13.96	0.00	346.69	-0.36	5900	--	890	51	920	ND	--	--	--	
05/04/99	360.65	14.42	0.00	346.23	-0.46	--	--	--	--	--	--	--	--	--	Monitored Only
07/27/99	360.65	14.63	0.00	346.02	-0.21	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/99	360.65	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
01/04/00	360.65	15.89	0.00	344.76	--	1400	--	100	3.6	95	ND<5.0	--	--	--	
04/28/00	360.65	15.33	0.00	345.32	0.56	970	--	27	10	40	ND<5.0	--	--	--	
07/25/00	360.65	15.23	0.00	345.42	0.10	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/00	360.65	15.41	0.00	345.24	-0.18	--	--	--	--	--	--	--	--	--	Monitored Only
01/08/01	360.65	15.78	0.00	344.87	-0.37	510	--	9.0	3.8	ND<1.5	ND<50	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-13 continued															
05/16/01	360.65	13.77	0.00	346.88	2.01	1800	--	77	27	190	--	ND<5.0	ND<50	ND<150	
07/30/01	360.65	14.21	0.00	346.44	-0.44	1700	--	61	9.6	110	--	ND<0.50	ND<50	ND<2000	
12/06/01	362.82	15.18	0.00	347.64	1.20	2600	--	100	11	110	--	ND<0.5	ND<50	ND<2000	
02/19/02	362.82	15.77	0.00	347.05	-0.59	3600	--	120	15	120	--	ND<0.5	ND<50	ND<1000	
05/16/02	362.82	16.13	0.00	346.69	-0.36	3700	--	120	13	84	--	ND<0.5	ND<50	ND<1000	
09/05/02	362.82	16.13	0.00	346.69	0.00	2600	--	120	17	150	--	ND<0.5	ND<50	ND<1000	
11/25/02	362.82	15.98	0.00	346.84	0.15	2100	--	100	11	110	--	ND<0.5	ND<50	ND<1000	
03/20/03	362.82	14.36	0.00	348.46	1.62	3400	--	73	16	140	--	ND<0.5	ND<50	ND<1000	
05/28/03	362.82	13.77	0.00	349.05	0.59	1700	--	50	23	120	--	ND<0.5	ND<12	ND<2000	
08/27/03	362.82	--	--	--	--	--	--	--	--	--	--	--	--	--	paved over
12/30/03	362.82	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
03/16/04	362.82	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
05/25/04	362.82	14.88	0.00	347.94	--	--	1500	12	2.5	36	--	ND<0.5	ND<12	--	
08/25/04	362.82	14.87	0.00	347.95	0.01	910	1100	14	2.2	36	--	ND<0.5	ND<12	ND<1000	
11/23/04	362.82	14.18	0.00	348.64	0.69	1000	1300	11	2.6	38	--	ND<0.5	ND<12	ND<1000	
02/22/05	362.82	10.97	0.00	351.85	3.21	--	630	6.1	3.3	26	--	ND<0.50	ND<50	ND<1000	
05/24/05	362.82	11.11	0.00	351.71	-0.14	--	910	32	26	59	--	15	ND<50	ND<1000	
08/02/05	362.82	11.86	0.00	350.96	-0.75	--	240	7.0	7.6	8.9	--	ND<0.50	120	ND<1000	
12/01/05	362.82	13.10	0.00	349.72	-1.24	--	1700	15	15	38	--	ND<0.50	ND<10	ND<1000	
03/16/06	362.82	14.10	0.00	348.72	-1.00	--	140	6.2	6.3	4.9	--	ND<0.50	ND<10	ND<1000	
04/25/06	362.82	12.92	0.00	349.90	1.18	--	56	0.82	ND<0.50	1.2	--	ND<0.50	ND<10	ND<1000	
MW-14															
06/22/90	--	--	--	--	--	--	--	110	97	14	--	--	--	--	
07/25/90	358.48	16.33	0.00	342.15	--	--	--	4500	9400	1000	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through April 2006

76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-14 continued															
08/30/90	358.48	16.14	0.00	342.34	0.19	--	--	9860	20260	2000	--	--	--	--	
10/04/90	358.48	16.63	1.56	343.02	0.68	--	--	--	--	--	--	--	--	--	
01/08/91	358.48	16.22	1.22	343.18	0.15	--	--	--	--	--	--	--	--	--	
04/10/91	358.48	14.85	0.44	343.96	0.78	--	--	--	--	--	--	--	--	--	
07/18/91	358.48	14.78	0.19	343.84	-0.12	--	--	--	--	--	--	--	--	--	
10/24/91	358.48	15.24	0.09	343.31	-0.53	--	--	--	--	--	--	--	--	--	
01/23/92	358.48	17.10	1.50	342.51	-0.80	--	--	--	--	--	--	--	--	--	
04/24/92	358.48	14.57	0.08	343.97	1.46	--	--	--	--	--	--	--	--	--	
07/22/92	358.48	14.73	0.06	343.80	-0.17	--	--	--	--	--	--	--	--	--	
11/03/92	358.48	15.03	0.00	343.45	-0.35	43000	--	9600	13000	3300	--	--	--	--	
02/11/93	358.48	13.15	0.00	345.33	1.88	64000	--	1700	3800	1000	--	--	--	--	
06/08/93	358.70	12.33	0.00	346.37	1.04	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/93	358.70	13.49	0.00	345.21	-1.16	--	--	--	--	--	--	--	--	--	
01/26/94	358.70	14.43	0.00	344.27	-0.94	--	--	--	--	--	--	--	--	--	
05/26/94	358.70	14.39	0.00	344.31	0.04	--	--	--	--	--	--	--	--	--	
11/02/94	358.70	14.79	0.00	343.91	-0.40	38000	--	5100	3100	1800	--	--	--	--	
03/04/95	358.70	13.32	0.00	345.38	1.47	--	--	--	--	--	--	--	--	--	
05/23/95	358.70	12.18	0.00	346.52	1.14	--	--	--	--	--	--	--	--	--	
08/08/95	358.70	12.79	0.00	345.91	-0.61	31000	--	3100	1200	1700	--	--	--	--	
11/07/95	358.70	14.28	0.00	344.42	-1.49	--	--	--	--	--	--	--	--	--	
03/26/96	358.70	13.95	0.00	344.75	0.33	--	--	--	--	--	--	--	--	--	
05/09/96	358.70	14.05	0.00	344.65	-0.10	25000	--	5100	570	2100	350	--	--	--	
11/01/96	358.70	14.34	0.00	344.36	-0.29	46000	--	9300	4100	2600	1100	--	--	--	
01/31/97	358.70	12.40	0.00	346.30	1.94	8500	--	930	310	360	ND	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-14 continued															
04/29/97	358.70	12.54	0.00	346.16	-0.14	830	--	94	3.5	4.2	420	--	--	--	
07/16/97	358.70	13.10	0.00	345.60	-0.56	--	--	--	--	--	--	--	--	--	
10/14/97	358.70	13.45	0.00	345.25	-0.35	2200	--	120	2.6	140	1400	--	--	--	
01/29/98	358.70	12.15	0.00	346.55	1.30	210	--	0.75	ND	ND	440	--	--	--	
04/15/98	358.70	9.52	0.00	349.18	2.63	--	--	--	--	--	--	--	--	--	Monitored Only
07/14/98	358.70	11.34	0.00	347.36	-1.82	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/98	358.70	11.17	0.00	347.53	0.17	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
01/05/99	358.70	11.88	0.00	346.82	-0.71	1800	--	120	ND	30	2600	--	--	--	
05/04/99	358.70	12.36	0.00	346.34	-0.48	--	--	--	--	--	--	--	--	--	Monitored Only
07/27/99	358.70	12.68	0.00	346.02	-0.32	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/99	358.70	11.84	0.00	346.86	0.84	--	--	--	--	--	--	--	--	--	Monitored Only
01/04/00	358.70	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
04/28/00	358.70	13.16	0.00	345.54	--	2800	--	130	5.8	15	1900	--	--	--	
07/25/00	358.70	13.10	0.00	345.60	0.06	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/00	358.70	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
01/08/01	358.70	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
05/16/01	358.70	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
07/30/01	358.70	12.14	0.00	346.56	--	21000	--	1000	300	1100	--	4500	680	ND<10000	
12/06/01	360.15	12.98	0.00	347.17	0.61	4900	--	540	58	520	--	2500	550	ND<2000	
02/19/02	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
05/16/02	360.15	13.95	0.00	346.20	--	9600	--	770	180	420	--	940	1400	ND<5000	
09/05/02	360.15	14.06	0.00	346.09	-0.11	12000	--	950	130	1100	--	800	940	ND<5000	
11/25/02	360.15	13.86	0.00	346.29	0.20	3700	--	400	22	410	--	230	1400	ND<5000	
03/20/03	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through April 2006

76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-14 continued															
05/28/03	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
08/27/03	360.15	12.38	0.00	347.77	--	11000	--	740	200	940	--	130	ND<12	ND<1000	
12/30/03	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
03/16/04	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; Car over well
05/25/04	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible car parked on well
08/25/04	360.15	12.75	0.00	347.40	--	630	8200	410	110	410	--	16	ND<60	ND<5000	
11/23/04	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Car Parked Over Well
02/22/05	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
05/24/05	360.15	9.43	0.00	350.72	--	--	100	16	1.8	7.6	--	7.9	ND<50	ND<1000	
08/02/05	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
12/01/05	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible-car parked over well
03/16/06	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
04/25/06	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	car over well
MW-15															
06/22/90	--	--	--	--	--	--	--	120	130	51	--	--	--	--	
07/25/90	359.60	16.42	0.00	343.18	--	--	--	1.9	ND	ND	--	--	--	--	
08/30/90	359.60	15.44	0.00	344.16	0.98	--	--	551	54.6	ND	--	--	--	--	
10/04/90	359.60	16.00	0.00	343.60	-0.56	--	--	831	2.2	ND	--	--	--	--	
01/08/91	359.60	15.50	0.00	344.10	0.50	--	--	138	ND	ND	--	--	--	--	
04/10/91	359.60	14.86	0.00	344.74	0.64	--	--	81	11	ND	--	--	--	--	
07/18/91	359.60	15.16	0.00	344.44	-0.30	--	--	898	27	37	--	--	--	--	
10/24/91	359.60	15.52	0.00	344.08	-0.36	ND	--	164	7.3	8.8	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-15 continued															
01/23/92	359.60	17.63	0.00	341.97	-2.11	900	--	54	1.4	3.5	--	--	--	--	
04/24/92	359.60	14.92	0.00	344.68	2.71	ND	--	85	2.2	3.6	--	--	--	--	
07/22/92	359.60	15.24	0.00	344.36	-0.32	1700	--	270	23	20	--	--	--	--	
11/03/92	359.60	16.04	0.00	343.56	-0.80	ND	--	ND	ND	ND	--	--	--	--	
02/11/93	359.60	13.36	0.00	346.24	2.68	ND	--	ND	ND	ND	--	--	--	--	
06/08/93	359.92	12.75	0.00	347.17	0.93	ND	--	1.6	1.9	1.3	--	--	--	--	Resurveyed
10/19/93	359.92	14.03	0.00	345.89	-1.28	--	--	--	--	--	--	--	--	--	
01/26/94	359.92	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/26/94	359.92	14.97	0.00	344.95	--	ND	--	0.5	1.4	ND	--	--	--	--	
11/02/94	359.92	15.33	0.00	344.59	-0.36	--	--	--	--	--	--	--	--	--	
03/04/95	359.92	13.67	0.00	346.25	1.66	--	--	--	--	--	--	--	--	--	
05/23/95	359.92	12.44	0.00	347.48	1.23	270	--	1.5	ND	2.3	--	--	--	--	
08/08/95	359.92	13.45	0.00	346.47	-1.01	--	--	--	--	--	--	--	--	--	
11/07/95	359.92	14.28	0.00	345.64	-0.83	--	--	--	--	--	--	--	--	--	
03/26/96	359.92	14.90	0.00	345.02	-0.62	--	--	--	--	--	--	--	--	--	
05/09/96	359.92	14.86	0.00	345.06	0.04	ND	--	ND	ND	ND	ND	--	--	--	
11/01/96	359.92	15.74	0.00	344.18	-0.88	240	--	0.9	2.3	ND	62	--	--	--	
01/31/97	359.92	13.38	0.00	346.54	2.36	ND	--	ND	ND	ND	14	--	--	--	
04/29/97	359.92	14.00	0.00	345.92	-0.62	ND	--	ND	ND	ND	ND	--	--	--	
07/16/97	359.92	14.59	0.00	345.33	-0.59	--	--	--	--	--	--	--	--	--	
10/14/97	359.92	14.90	0.00	345.02	-0.31	ND	--	ND	ND	ND	ND	--	--	--	
01/29/98	359.92	12.50	0.00	347.42	2.40	ND	--	ND	ND	ND	5.7	--	--	--	
04/15/98	359.92	10.41	0.00	349.51	2.09	--	--	--	--	--	--	--	--	--	Monitored Only
07/14/98	359.92	11.53	0.00	348.39	-1.12	--	--	--	--	--	--	--	--	--	Monitored Only

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-15 continued															
10/14/98	359.92	12.93	0.00	346.99	-1.40	ND	--	ND	ND	ND	ND	--	--	--	Regauged on 12/9/98
01/05/99	359.92	13.28	0.00	346.64	-0.35	--	--	--	--	--	--	--	--	--	Monitored Only
05/04/99	359.92	13.75	0.00	346.17	-0.47	--	--	--	--	--	--	--	--	--	Monitored Only
07/27/99	359.92	14.00	0.00	345.92	-0.25	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/99	359.92	14.34	0.00	345.58	-0.34	ND	--	ND	ND	ND	ND	--	--	--	
01/04/00	359.92	14.99	0.00	344.93	-0.65	--	--	--	--	--	--	--	--	--	Monitored Only
04/28/00	359.92	14.64	0.00	345.28	0.35	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<5.0	--	--	--	
07/25/00	359.92	14.52	0.00	345.40	0.12	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/00	359.92	14.79	0.00	345.13	-0.27	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<10	--	--	--	
01/08/01	359.92	15.04	0.00	344.88	-0.25	--	--	--	--	--	--	--	--	--	Monitored Only
05/16/01	359.92	13.07	0.00	346.85	1.97	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	ND<5.0	ND<50	ND<150	
07/30/01	359.92	13.48	0.00	346.44	-0.41	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<2000	
12/06/01	362.13	14.47	0.00	347.66	1.22	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
02/19/02	362.13	15.05	0.00	347.08	-0.58	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
05/16/02	362.13	15.47	0.00	346.66	-0.42	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
09/05/02	362.13	15.42	0.00	346.71	0.05	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
11/25/02	362.13	15.24	0.00	346.89	0.18	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
03/20/03	362.13	13.57	0.00	348.56	1.67	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
05/28/03	362.13	13.07	0.00	349.06	0.50	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
08/27/03	362.13	--	--	--	--	--	--	--	--	--	--	--	--	--	paved over
12/30/03	362.13	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
03/16/04	362.13	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
05/25/04	362.13	14.45	0.00	347.68	--	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
08/25/04	362.45	14.60	0.00	347.85	0.17	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through April 2006

76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-15 continued															
11/23/04	362.45	13.79	0.00	348.66	0.81	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
02/22/05	362.45	9.22	0.00	353.23	4.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
05/24/05	362.45	10.66	0.00	351.79	-1.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
08/02/05	362.45	11.30	0.00	351.15	-0.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/01/05	362.45	12.65	0.00	349.80	-1.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
03/16/06	362.45	13.02	0.00	349.43	-0.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
04/25/06	362.45	12.45	0.00	350.00	0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-16															
10/24/91	359.10	15.48	0.00	343.62	--	ND	--	1.1	1.3	ND	--	--	--	--	
01/23/92	359.10	14.58	0.00	344.52	0.90	ND	--	1.1	1.6	1.1	--	--	--	--	
04/24/92	359.10	11.06	0.00	348.04	3.52	ND	--	0.78	1.3	0.8	--	--	--	--	
07/22/92	359.10	14.49	0.00	344.61	-3.43	ND	--	0.4	1.4	0.6	--	--	--	--	
11/03/92	359.10	16.02	0.00	343.08	-1.53	ND	--	2.4	1.9	2.8	--	--	--	--	
02/11/93	359.10	10.61	0.00	348.49	5.41	ND	--	ND	1.9	ND	--	--	--	--	
06/08/93	359.39	11.80	0.00	347.59	-0.90	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/93	359.39	13.75	0.00	345.64	-1.95	--	--	--	--	--	--	--	--	--	
01/26/94	359.39	14.56	0.00	344.83	-0.81	ND	--	ND	ND	ND	--	--	--	--	
05/26/94	359.39	14.12	0.00	345.27	0.44	--	--	--	--	--	--	--	--	--	
11/02/94	359.39	15.27	0.00	344.12	-1.15	--	--	--	--	--	--	--	--	--	
03/04/95	359.39	11.72	0.00	347.67	3.55	ND	--	ND	ND	ND	--	--	--	--	
05/23/95	359.39	10.60	0.00	348.79	1.12	--	--	--	--	--	--	--	--	--	
08/08/95	359.39	12.34	0.00	347.05	-1.74	--	--	--	--	--	--	--	--	--	
11/07/95	359.39	13.59	0.00	345.80	-1.25	--	--	--	--	--	--	--	--	--	
03/26/96	359.39	12.70	0.00	346.69	0.89	ND	--	0.83	ND	ND	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-16 continued															
05/09/96	359.39	13.90	0.00	345.49	-1.20	ND	--	ND	ND	ND	ND	--	--	--	
11/01/96	359.39	15.96	0.00	343.43	-2.06	ND	--	ND	ND	ND	ND	--	--	--	
01/31/97	359.39	11.12	0.00	348.27	4.84	ND	--	ND	ND	ND	ND	--	--	--	
04/29/97	359.39	13.51	0.00	345.88	-2.39	ND	--	ND	ND	ND	ND	--	--	--	
07/16/97	359.39	12.31	0.00	347.08	1.20	ND	--	ND	ND	ND	ND	--	--	--	
10/14/97	359.39	15.27	0.00	344.12	-2.96	ND	--	ND	ND	ND	ND	--	--	--	
01/29/98	359.39	12.95	0.00	346.44	2.32	ND	--	ND	ND	ND	ND	--	--	--	
04/15/98	359.39	9.27	0.00	350.12	3.68	--	--	--	--	--	--	--	--	--	Monitored Only
07/14/98	359.39	11.46	0.00	347.93	-2.19	ND	--	ND	ND	ND	ND	--	--	--	
10/14/98	359.39	12.43	0.00	346.96	-0.97	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
01/05/99	359.39	12.76	0.00	346.63	-0.33	--	--	--	--	--	--	--	--	--	Monitored Only
05/04/99	359.39	13.04	0.00	346.35	-0.28	--	--	--	--	--	--	--	--	--	Monitored Only
07/27/99	359.39	13.95	0.00	345.44	-0.91	ND	--	ND	ND	ND	ND	--	--	--	
10/18/99	359.39	14.41	0.00	344.98	-0.46	--	--	--	--	--	--	--	--	--	Monitored Only
01/04/00	359.39	15.02	0.00	344.37	-0.61	--	--	--	--	--	--	--	--	--	Monitored Only
04/28/00	359.39	13.79	0.00	345.60	1.23	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<5.0	--	--	--	
07/25/00	359.39	13.35	0.00	346.04	0.44	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<10	--	--	--	
10/19/00	359.39	14.61	0.00	344.78	-1.26	--	--	--	--	--	--	--	--	--	Monitored Only
01/08/01	359.39	14.53	0.00	344.86	0.08	--	--	--	--	--	--	--	--	--	Monitored Only
05/16/01	359.39	12.08	0.00	347.31	2.45	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	ND<5.0	ND<50	ND<150	
07/30/01	359.39	12.96	0.00	346.43	-0.88	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<2000	
12/06/01	361.54	13.73	0.00	347.81	1.38	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
02/19/02	361.54	14.16	0.00	347.38	-0.43	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
05/16/02	361.54	14.82	0.00	346.72	-0.66	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-16 continued															
09/05/02	361.54	14.47	0.00	347.07	0.35	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
11/25/02	361.54	13.77	0.00	347.77	0.70	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
03/20/03	361.54	10.80	0.00	350.74	2.97	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
05/28/03	361.54	12.07	0.00	349.47	-1.27	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
08/27/03	361.54	13.07	0.00	348.47	-1.00	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
12/30/03	361.54	12.96	0.00	348.58	0.11	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
03/16/04	361.54	12.75	0.00	348.79	0.21	--	ND<50	ND<0.5	0.53	ND<0.5	--	ND<0.5	ND<12	ND<1000	
05/25/04	361.54	13.69	0.00	347.85	-0.94	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
08/25/04	361.54	14.07	0.00	347.47	-0.38	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
11/23/04	361.54	12.00	0.00	349.54	2.07	--	ND<50	ND<0.5	1.0	ND<0.5	--	ND<0.5	ND<12	ND<1000	
02/22/05	361.54	7.28	0.00	354.26	4.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
05/24/05	361.54	9.50	0.00	352.04	-2.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
08/02/05	361.54	10.70	0.00	350.84	-1.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/01/05	361.54	11.52	0.00	350.02	-0.82	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
03/16/06	361.54	12.55	0.00	348.99	-1.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
04/25/06	361.54	11.35	0.00	350.19	1.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-17															
10/24/91	358.39	15.24	0.00	343.15	--	11610	--	1950	230	882	--	--	--	--	
01/23/92	358.39	16.28	0.90	342.79	-0.37	--	--	--	--	--	--	--	--	--	
04/24/92	358.39	14.51	0.05	343.92	1.13	--	--	--	--	--	--	--	--	--	
07/22/92	358.39	14.71	0.01	343.69	-0.23	--	--	--	--	--	--	--	--	--	
11/03/92	358.39	15.35	0.00	343.04	-0.65	150000	--	4400	14000	4300	--	--	--	--	
02/11/93	358.39	13.09	0.00	345.30	2.26	79000	--	1000	4400	850	--	--	--	--	
06/08/93	358.64	12.30	0.00	346.34	1.04	--	--	--	--	--	--	--	--	--	Resurveyed

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
	MW-17 continued															
	10/19/93	358.64	13.54	0.00	345.10	-1.24	--	--	--	--	--	--	--	--	--	
	01/26/94	358.64	--	--	--	--	--	--	--	--	--	--	--	--	--	
P	05/26/94	358.64	14.37	0.00	344.27	--	51000	--	840	2700	2800	--	--	--	--	Pre-purge
	05/26/94	358.64	14.37	0.00	344.27	--	42000	--	600	1900	2200	--	--	--	--	
	11/02/94	358.64	14.84	0.00	343.80	-0.47	--	--	--	--	--	--	--	--	--	
	03/04/95	358.64	13.25	0.00	345.39	1.59	--	--	--	--	--	--	--	--	--	
P	05/23/95	358.64	12.19	0.00	346.45	1.06	22000	--	320	260	1700	--	--	--	--	Pre-purge
	05/23/95	358.64	12.19	0.00	346.45	1.06	54000	--	430	990	3300	--	--	--	--	
	08/08/95	358.64	13.81	0.00	344.83	-1.62	--	--	--	--	--	--	--	--	--	
	11/07/95	358.64	13.67	0.00	344.97	0.14	--	--	--	--	--	--	--	--	--	
	03/26/96	358.64	13.87	0.00	344.77	-0.20	--	--	--	--	--	--	--	--	--	
	05/09/96	358.64	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
	11/01/96	358.64	15.10	0.00	343.54	--	24000	--	220	360	2400	ND	--	--	--	
	01/31/97	358.64	13.10	0.00	345.54	2.00	25000	--	170	190	2100	ND	--	--	--	
	04/29/97	358.64	13.45	0.00	345.19	-0.35	12000	--	71	34	920	ND	--	--	--	
	07/16/97	358.64	13.89	0.00	344.75	-0.44	--	--	--	--	--	--	--	--	--	
	10/14/97	358.64	14.27	0.00	344.37	-0.38	16000	--	50	48	1800	ND	--	--	--	
	01/29/98	358.64	13.00	0.00	345.64	1.27	12000	--	57	24	1200	ND	--	--	--	
	04/15/98	358.64	10.48	0.00	348.16	2.52	--	--	--	--	--	--	--	--	--	Monitored Only
	07/14/98	358.64	11.60	0.00	347.04	-1.12	--	--	--	--	--	--	--	--	--	Monitored Only
	10/14/98	358.64	12.52	0.00	346.12	-0.92	140	--	1.7	0.34	0.45	ND	--	--	--	Regauged on 12/9/98
	01/05/99	358.64	12.66	0.00	345.98	-0.14	--	--	--	--	--	--	--	--	--	Monitored Only
	05/04/99	358.64	13.20	0.00	345.44	-0.54	--	--	--	--	--	--	--	--	--	Monitored Only
	07/27/99	358.64	13.54	0.00	345.10	-0.34	--	--	--	--	--	--	--	--	--	Monitored Only

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-17 continued															
10/18/99	358.64	14.72	0.00	343.92	-1.18	5400	--	19	14	800	18	--	--	--	
01/04/00	358.64	15.60	0.00	343.04	-0.88	--	--	--	--	--	--	--	--	--	Monitored Only
04/28/00	358.64	13.98	0.00	344.66	1.62	6000	--	22	18	830	26	--	--	--	
07/25/00	358.64	13.80	0.00	344.84	0.18	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/00	358.64	14.11	0.00	344.53	-0.31	3600	--	8.8	3.3	590	ND<100	--	--	--	
01/08/01	358.64	14.24	0.00	344.40	-0.13	--	--	--	--	--	--	--	--	--	Monitored Only
05/16/01	358.64	12.74	0.00	345.90	1.50	11000	--	ND<20	ND<20	1100	--	ND<50	ND<500	ND<1500	
07/30/01	358.64	12.93	0.00	345.71	-0.19	7600	--	4.0	6.1	1300	--	ND<0.50	ND<50	ND<2000	
12/06/01	360.81	13.75	0.00	347.06	1.35	4200	--	2.5	2.2	250	--	ND<0.5	ND<50	ND<2000	
02/19/02	360.81	14.31	0.00	346.50	-0.56	12000	--	ND<5	ND<5	1200	--	ND<5	ND<500	ND<20000	
05/16/02	360.81	14.70	0.00	346.11	-0.39	8600	--	ND<3	ND<3	870	--	ND<3	ND<300	ND<10000	
09/05/02	360.81	14.79	0.00	346.02	-0.09	3900	--	2.1	2.5	960	--	ND<0.5	ND<50	ND<2000	
11/25/02	360.81	14.58	0.00	346.23	0.21	6800	--	ND<3	ND<3	870	--	ND<3	ND<300	ND<5000	
03/20/03	360.81	13.51	0.00	347.30	1.07	7300	--	ND<3	ND<3	760	--	ND<3	ND<300	ND<5000	
05/28/03	360.81	12.88	0.00	347.93	0.63	9600	--	ND<5	ND<5	970	--	ND<5	ND<200	ND<10000	
08/27/03	360.81	13.26	0.00	347.55	-0.38	--	6300	0.65	1.8	600	--	ND<0.5	ND<12	ND<1000	
12/30/03	360.81	13.70	0.00	347.11	-0.44	--	11000	ND<0.5	0.88	530	--	ND<0.5	ND<12	ND<1000	
03/16/04	360.81	13.42	0.00	347.39	0.28	--	7800	ND<5	ND<5	920	--	ND<5	ND<200	ND<10000	
05/25/04	360.81	13.71	0.00	347.10	-0.29	--	13000	0.59	2.1	600	--	ND<0.5	ND<12	ND<1000	
08/25/04	360.81	14.74	0.00	346.07	-1.03	--	2300	ND<0.5	0.53	73	--	ND<0.5	ND<12	ND<1000	
11/23/04	360.81	13.13	0.00	347.68	1.61	--	4200	ND<0.5	1.1	130	--	ND<0.5	ND<12	ND<1000	
02/22/05	360.81	9.77	0.00	351.04	3.36	--	300	ND<0.50	ND<0.50	0.87	--	ND<0.50	ND<50	ND<1000	
05/24/05	360.81	10.38	0.00	350.43	-0.61	--	4100	ND<0.50	2.0	84	--	ND<0.50	ND<50	ND<1000	
08/02/05	360.81	11.15	0.00	349.66	-0.77	--	470	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-17 continued															
12/01/05	360.81	11.80	0.00	349.01	-0.65	--	410	ND<0.50	ND<0.50	2.4	--	ND<0.50	ND<10	ND<1000	
03/16/06	360.81	12.74	0.00	348.07	-0.94	--	2900	ND<2.5	ND<2.5	59	--	ND<2.5	ND<50	ND<5000	
04/25/06	360.81	12.03	0.00	348.78	0.71	--	2400	ND<0.50	0.54	38	--	ND<0.50	ND<10	ND<1000	
MW-18															
10/24/91	358.84	17.65	1.94	342.64	--	--	--	--	--	--	--	--	--	--	
01/23/92	358.84	18.38	2.14	342.07	-0.58	--	--	--	--	--	--	--	--	--	
04/24/92	358.84	15.49	0.08	343.41	1.35	--	--	--	--	--	--	--	--	--	
07/22/92	358.84	14.14	0.24	344.88	1.47	--	--	--	--	--	--	--	--	--	
11/03/92	358.84	17.02	1.05	342.61	-2.27	--	--	--	--	--	--	--	--	--	
02/11/93	358.84	13.36	0.01	345.49	2.88	--	--	--	--	--	--	--	--	--	
06/08/93	359.09	13.31	<0.01	345.78	0.29	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/93	359.09	14.40	0.09	344.76	-1.02	--	--	--	--	--	--	--	--	--	
01/26/94	359.09	15.36	0.14	343.84	-0.92	--	--	--	--	--	--	--	--	--	
05/26/94	359.09	15.19	<0.01	343.90	0.06	--	--	--	--	--	--	--	--	--	
11/02/94	359.09	15.63	<0.01	343.46	-0.44	--	--	--	--	--	--	--	--	--	
03/04/95	359.09	14.21	<0.01	344.88	1.42	33000	--	1700	3400	1200	--	--	--	--	
05/23/95	359.09	13.18	0.00	345.91	1.03	--	--	--	--	--	--	--	--	--	
08/08/95	359.09	13.68	0.00	345.41	-0.50	--	--	--	--	--	--	--	--	--	
11/07/95	359.09	14.63	0.00	344.46	-0.95	--	--	--	--	--	--	--	--	--	
03/26/96	359.09	14.87	0.00	344.22	-0.24	14000	--	1100	1300	550	--	--	--	--	
05/09/96	359.09	14.80	0.00	344.29	0.07	52000	--	7100	7700	2200	ND	--	--	--	
11/01/96	359.09	15.39	0.00	343.70	-0.59	110000	--	23000	35000	3600	ND	--	--	--	
01/31/97	359.09	13.60	0.00	345.49	1.79	490	--	67	8.4	23	ND	--	--	--	
04/29/97	359.09	13.80	0.00	345.29	-0.20	21000	--	1200	1300	860	ND	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-18 continued															
07/16/97	359.09	14.15	0.00	344.94	-0.35	70000	--	8300	11000	1900	ND	--	--	--	
10/14/97	359.09	14.40	0.00	344.69	-0.25	50000	--	8300	7800	1500	ND	--	--	--	
01/29/98	359.09	13.40	0.00	345.69	1.00	1200	--	100	6.9	76	ND	--	--	--	
04/15/98	359.09	11.10	0.00	347.99	2.30	1200	--	430	380	84	ND	--	--	--	
07/14/98	359.09	11.76	0.00	347.33	-0.66	780	--	72	8.8	11	ND	--	--	--	
10/14/98	359.09	12.80	0.00	346.29	-1.04	330	--	39	2.1	19	ND	--	--	--	Regauged on 12/9/98
01/05/99	359.09	13.08	0.00	346.01	-0.28	380	--	88	0.85	31	ND	--	--	--	
05/04/99	359.09	13.55	0.00	345.54	-0.47	5100	--	1900	11	360	ND	--	--	--	
07/27/99	359.09	13.83	0.00	345.26	-0.28	260	--	84	0.85	32	ND	--	--	--	
10/18/99	359.09	13.97	0.00	345.12	-0.14	8200	--	920	880	560	22	--	--	--	
01/04/00	359.09	14.53	0.00	344.56	-0.56	12000	--	2200	340	910	ND<5.0	--	--	--	
04/28/00	359.09	14.23	0.00	344.86	0.30	1200	--	290	1.6	140	ND<5.0	--	--	--	
07/25/00	359.09	14.17	0.00	344.92	0.06	850	--	270	1.9	55	ND<50	--	--	--	
10/19/00	359.09	11.37	0.00	347.72	2.80	990	--	310	ND<3.0	53	ND<100	--	--	--	
01/08/01	359.09	14.58	0.00	344.51	-3.21	800	--	220	3.2	27	ND<100	--	--	--	
05/16/01	359.09	13.11	0.00	345.98	1.47	330	--	60	ND<2.0	3.2	--	ND<5.0	ND<50	ND<150	
07/30/01	359.09	13.32	0.00	345.77	-0.21	180	--	23	0.52	5.4	--	ND<0.50	ND<50	ND<2000	
12/06/01	360.76	14.03	0.00	346.73	0.96	5100	--	480	16	280	--	ND<0.5	ND<50	ND<2000	
02/19/02	360.76	14.57	0.00	346.19	-0.54	2600	--	410	11	170	--	ND<1	ND<100	ND<2000	
05/16/02	360.76	14.95	0.00	345.81	-0.38	890	--	130	ND<0.5	11	--	ND<0.5	ND<50	ND<2000	
09/05/02	360.76	15.10	0.00	345.66	-0.15	390	--	85	ND<0.5	9.8	--	ND<0.5	ND<50	ND<2000	
11/25/02	360.76	14.88	0.00	345.88	0.22	850	--	59	10	28	--	ND<0.5	ND<50	ND<1000	
03/20/03	360.76	13.96	0.00	346.80	0.92	100	--	2.5	ND<0.5	1.5	--	ND<0.5	ND<50	ND<1000	
05/28/03	360.76	13.14	0.00	347.62	0.82	58	--	2.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through April 2006

76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-18 continued															
08/27/03	360.76	13.67	0.00	347.09	-0.53	--	1600	350	2.0	55	--	ND<0.5	ND<12	ND<1000	
12/30/03	360.76	14.11	0.00	346.65	-0.44	--	2300	230	1.4	56	--	1.0	ND<12	ND<1000	
03/16/04	360.76	13.90	0.00	346.86	0.21	--	20000	3000	3400	680	--	ND<30	ND<600	ND<50000	
05/25/04	360.76	14.10	0.00	346.66	-0.20	--	43000	4900	2500	1000	--	ND<30	ND<600	ND<50000	
08/25/04	360.76	14.05	0.00	346.71	0.05	--	12000	4700	990	540	--	ND<20	ND<300	ND<30000	
11/23/04	360.76	13.47	0.00	347.29	0.58	--	2400	630	9.5	170	--	ND<0.5	ND<12	ND<1000	
02/22/05	360.76	10.65	0.00	350.11	2.82	--	1100	ND<0.50	8.8	42	--	ND<0.50	ND<50	ND<1000	
05/24/05	360.76	10.94	0.00	349.82	-0.29	--	290	53	1.9	11	--	1.4	ND<50	ND<1000	
08/02/05	360.76	11.62	0.00	349.14	-0.68	--	110	31	0.60	7.0	--	78	ND<10	ND<1000	
12/01/05	360.76	12.81	0.00	347.95	-1.19	--	3600	1100	2.9	230	--	58	14	ND<1000	
03/16/06	360.76	13.95	0.00	346.81	-1.14	--	380	100	ND<0.50	29	--	11	ND<10	ND<1000	
04/25/06	360.76	12.43	0.00	348.33	1.52	--	280	84	ND<0.50	21	--	3.6	ND<10	ND<1000	
MW-19															
10/24/91	357.76	14.79	0.00	342.97	--	ND	--	1.0	1.9	ND	--	--	--	--	
01/23/92	357.76	15.74	0.00	342.02	-0.95	ND	--	ND	1.0	ND	--	--	--	--	
04/24/92	357.76	14.41	0.00	343.35	1.33	ND	--	1.3	1.7	0.66	--	--	--	--	
07/22/92	357.76	14.41	0.00	343.35	0.00	ND	--	1.3	0.9	ND	--	--	--	--	
11/03/92	357.76	15.01	0.00	342.75	-0.60	ND	--	ND	ND	ND	--	--	--	--	
02/11/93	357.76	12.85	0.00	344.91	2.16	ND	--	ND	ND	ND	--	--	--	--	
06/08/93	357.96	11.86	0.00	346.10	1.19	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/93	357.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
01/26/94	357.96	13.87	0.00	344.09	--	ND	--	ND	ND	ND	--	--	--	--	
05/26/94	357.96	13.80	0.00	344.16	0.07	--	--	--	--	--	--	--	--	--	
11/02/94	357.96	14.27	0.00	343.69	-0.47	--	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-19 continued															
03/04/95	357.96	12.81	0.00	345.15	1.46	ND	--	1.0	4.0	ND	--	--	--	--	
05/23/95	357.96	11.72	0.00	346.24	1.09	--	--	--	--	--	--	--	--	--	
08/08/95	357.96	11.70	0.00	346.26	0.02	--	--	--	--	--	--	--	--	--	
11/07/95	357.96	13.23	0.00	344.73	-1.53	--	--	--	--	--	--	--	--	--	
03/26/96	357.96	13.37	0.00	344.59	-0.14	ND	--	ND	ND	ND	--	--	--	--	
05/09/96	357.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
11/01/96	357.96	14.46	0.00	343.50	--	170	--	1.3	1.5	2.5	6.4	--	--	--	
01/31/97	357.96	13.95	0.00	344.01	0.51	ND	--	ND	ND	ND	ND	--	--	--	
04/29/97	357.96	13.85	0.00	344.11	0.10	ND	--	ND	ND	ND	ND	--	--	--	
07/16/97	357.96	13.21	0.00	344.75	0.64	--	--	--	--	--	--	--	--	--	
10/14/97	357.96	13.48	0.00	344.48	-0.27	ND	--	ND	ND	ND	ND	--	--	--	
01/29/98	357.96	12.40	0.00	345.56	1.08	ND	--	ND	ND	ND	ND	--	--	--	
04/15/98	357.96	9.94	0.00	348.02	2.46	--	--	--	--	--	--	--	--	--	Monitored Only
07/14/98	357.96	11.24	0.00	346.72	-1.30	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/98	357.96	11.21	0.00	346.75	0.03	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
01/05/99	357.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
05/04/99	357.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
07/27/99	357.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
10/18/99	357.96	12.91	0.00	345.05	--	--	--	--	--	--	--	--	--	--	Monitored Only
01/04/00	357.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
04/28/00	357.96	13.29	0.00	344.67	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	13	--	--	--	
07/25/00	357.96	13.20	0.00	344.76	0.09	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/00	357.96	13.44	0.00	344.52	-0.24	--	--	--	--	--	--	--	--	--	Monitored Only
01/08/01	357.96	13.72	0.00	344.24	-0.28	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<10	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through April 2006

76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-19 continued															
05/16/01	357.96	12.05	0.00	345.91	1.67	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	15	ND<50	330	
07/30/01	357.96	12.34	0.00	345.62	-0.29	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	14	ND<50	ND<2000	
12/06/01	360.08	13.13	0.00	346.95	1.33	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	9.2	ND<50	ND<2000	
02/19/02	360.08	13.62	0.00	346.46	-0.49	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	6.7	ND<50	ND<2000	
05/16/02	360.08	14.03	0.00	346.05	-0.41	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	7.5	ND<50	ND<2000	
09/05/02	360.08	14.10	0.00	345.98	-0.07	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	5.3	ND<50	ND<2000	
11/25/02	360.08	13.95	0.00	346.13	0.15	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	7.7	ND<50	ND<1000	
03/20/03	360.08	12.92	0.00	347.16	1.03	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	7.3	ND<50	ND<1000	
05/28/03	360.08	12.10	0.00	347.98	0.82	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	5.5	ND<12	ND<1000	
08/27/03	360.08	12.66	0.00	347.42	-0.56	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	4.6	ND<12	ND<1000	
12/30/03	360.08	13.24	0.00	346.84	-0.58	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	4.2	ND<12	ND<1000	
03/16/04	360.08	12.92	0.00	347.16	0.32	--	160	2.1	3.5	1.4	--	4.1	ND<12	ND<1000	
05/25/04	360.08	13.09	0.00	346.99	-0.17	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	2.2	ND<12	ND<1000	
08/25/04	360.08	13.10	0.00	346.98	-0.01	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	1.6	ND<12	ND<1000	
11/23/04	360.08	12.44	0.00	347.64	0.66	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	0.74	ND<12	ND<1000	
02/22/05	360.08	9.46	0.00	350.62	2.98	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	3.3	ND<50	ND<1000	
05/24/05	360.08	9.71	0.00	350.37	-0.25	--	200	ND<0.50	ND<0.50	ND<0.50	--	22	ND<50	ND<1000	
08/02/05	360.08	10.55	0.00	349.53	-0.84	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	11	ND<10	ND<1000	
12/01/05	360.08	11.25	0.00	348.83	-0.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	2.1	ND<10	ND<1000	
03/16/06	360.08	12.79	0.00	347.29	-1.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	2.5	ND<10	ND<1000	
04/25/06	360.08	11.40	0.00	348.68	1.39	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	1.2	ND<10	ND<1000	
MW-20															
06/08/93	358.85	13.03	0.00	345.82	--	4600	--	500	390	260	--	--	--	--	
10/19/93	358.85	14.06	0.00	344.79	-1.03	--	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-20 continued															
01/26/94	358.85	14.98	0.00	343.87	-0.92	2200	--	160	56	100	--	--	--	--	
05/26/94	358.85	14.93	0.00	343.92	0.05	--	--	--	--	--	--	--	--	--	
11/02/94	358.85	15.40	0.00	343.45	-0.47	--	--	--	--	--	--	--	--	--	
03/04/95	358.85	13.98	0.00	344.87	1.42	2800	--	310	130	120	--	--	--	--	
05/23/95	358.85	12.92	0.00	345.93	1.06	--	--	--	--	--	--	--	--	--	
08/08/95	358.85	13.51	0.00	345.34	-0.59	--	--	--	--	--	--	--	--	--	
11/07/95	358.85	14.38	0.00	344.47	-0.87	2000	--	230	31	57	--	--	--	--	
03/26/96	358.85	14.55	0.00	344.30	-0.17	--	--	--	--	--	--	--	--	--	
05/09/96	358.85	14.55	0.00	344.30	0.00	1800	--	210	2.9	63	590	--	--	--	
11/01/96	358.85	15.20	0.00	343.65	-0.65	1500	--	140	7.7	47	920	--	--	--	
01/31/97	358.85	13.36	0.00	345.49	1.84	3300	--	640	30	240	800	--	--	--	
04/29/97	358.85	13.62	0.00	345.23	-0.26	4400	--	840	62	320	770	--	--	--	
07/16/97	358.85	12.95	0.00	345.90	0.67	2600	--	380	41	130	680	--	--	--	
10/14/97	358.85	14.21	0.00	344.64	-1.26	4100	--	650	180	260	640	--	--	--	
01/29/98	358.85	12.23	0.00	346.62	1.98	1600	--	190	17	66	470	--	--	--	
04/15/98	358.85	10.55	0.00	348.30	1.68	--	--	--	--	--	--	--	--	--	Monitored Only
07/14/98	358.85	9.69	0.00	349.16	0.86	790	--	19	ND	0.38	680	--	--	--	
10/14/98	358.85	12.71	0.00	346.14	-3.02	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
01/05/99	358.85	12.91	0.00	345.94	-0.20	--	--	--	--	--	--	--	--	--	Monitored Only
05/04/99	358.85	13.25	0.00	345.60	-0.34	--	--	--	--	--	--	--	--	--	Monitored Only
07/27/99	358.85	13.62	0.00	345.23	-0.37	1200	--	27	2.0	7.6	1000	--	--	--	
10/18/99	358.85	13.80	0.00	345.05	-0.18	--	--	--	--	--	--	--	--	--	Monitored Only
01/04/00	358.85	14.40	0.00	344.45	-0.60	--	--	--	--	--	--	--	--	--	Monitored Only
04/28/00	358.85	14.40	0.00	344.45	0.00	1900	--	37	1.9	3.8	1200	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through April 2006

76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-20 continued															
07/25/00	358.85	13.98	0.00	344.87	0.42	1800	--	560	ND<6.0	74	1300	--	--	--	
10/19/00	358.85	14.18	0.00	344.67	-0.20	--	--	--	--	--	--	--	--	--	Monitored Only
01/08/01	358.85	14.31	0.00	344.54	-0.13	--	--	--	--	--	--	--	--	--	Monitored Only
05/16/01	358.85	12.88	0.00	345.97	1.43	1700	--	160	ND<100	ND<100	--	3400	ND<2500	ND<7500	
07/30/01	358.85	13.13	0.00	345.72	-0.25	8100	--	190	28	99	--	4000	1900	ND<10000	
12/06/01	360.58	13.53	0.00	347.05	1.33	6000	--	370	31	180	--	4500	2900	ND<2000	
02/19/02	360.58	14.42	0.00	346.16	-0.89	5100	--	170	14	86	--	4500	6100	ND<5000	
05/16/02	360.58	14.73	0.00	345.85	-0.31	4100	--	130	19	61	--	4700	2600	ND<20000	
09/05/02	360.58	14.83	0.00	345.75	-0.10	1900	--	340	25	160	--	160	11000	ND<20000	
11/25/02	360.58	14.70	0.00	345.88	0.13	1600	--	220	17	110	--	40	6500	ND<1000	
03/20/03	360.58	13.78	0.00	346.80	0.92	1700	--	220	46	98	--	44	6900	ND<1000	
05/28/03	360.58	12.93	0.00	347.65	0.85	1300	--	200	38	96	--	48	7100	ND<2000	
08/27/03	360.58	13.45	0.00	347.13	-0.52	1000	--	200	19	77	--	31	5600	ND<1000	
12/30/03	360.58	13.85	0.00	346.73	-0.40	--	2100	280	28	120	--	38	6400	ND<1000	
03/16/04	360.58	13.62	0.00	346.96	0.23	--	2300	200	110	170	--	61	3600	ND<1000	
05/25/04	360.58	13.82	0.00	346.76	-0.20	--	2100	170	23	150	--	54	3500	--	
08/25/04	360.58	13.74	0.00	346.84	0.08	1600	1200	180	21	74	--	28	2900	ND<1000	
11/23/04	360.58	13.20	0.00	347.38	0.54	1100	1300	82	27	61	--	19	3600	ND<2000	
02/22/05	360.58	10.38	0.00	350.20	2.82	--	1100	100	26	52	--	38	2700	ND<1000	
05/24/05	360.58	10.75	0.00	349.83	-0.37	--	730	13	14	44	--	ND<0.50	ND<50	ND<1000	
08/02/05	360.58	11.61	0.00	348.97	-0.86	--	190	2.2	ND<0.50	0.71	--	10	1700	ND<1000	
12/01/05	360.58	12.10	0.00	348.48	-0.49	--	280	18	4.9	9.6	--	5.5	1200	ND<1000	
03/16/06	360.58	12.78	0.00	347.80	-0.68	--	120	ND<0.50	ND<0.50	ND<0.50	--	3.4	720	ND<1000	
04/25/06	360.58	12.20	0.00	348.38	0.58	--	170	11	3.3	6.0	--	5.0	790	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-21															
06/08/93	358.87	13.18	0.00	345.69	--	11000	--	2100	1300	800	--	--	--	--	
10/19/93	358.87	14.17	0.00	344.70	-0.99	3700	--	510	680	310	--	--	--	--	
01/26/94	358.87	15.08	0.00	343.79	-0.91	--	--	--	--	--	--	--	--	--	
05/26/94	358.87	15.05	0.00	343.82	0.03	--	--	--	--	--	--	--	--	--	
11/02/94	358.87	15.52	0.00	343.35	-0.47	--	--	--	--	--	--	--	--	--	
03/04/95	358.87	14.07	0.00	344.80	1.45	11000	--	1500	720	1100	--	--	--	--	
05/23/95	358.87	13.08	0.00	345.79	0.99	--	--	--	--	--	--	--	--	--	
08/08/95	358.87	13.65	0.00	345.22	-0.57	9200	--	1100	460	740	--	--	--	--	
11/07/95	358.87	14.22	0.00	344.65	-0.57	--	--	--	--	--	--	--	--	--	
03/26/96	358.87	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
05/09/96	358.87	14.83	0.00	344.04	--	--	--	--	--	--	--	--	--	--	Obstruction in well
11/01/96	358.87	15.28	0.00	343.59	-0.45	320	--	7.7	ND	3.8	ND	--	--	--	
01/31/97	358.87	13.51	0.00	345.36	1.77	440	--	84	ND	5.6	ND	--	--	--	
04/29/97	358.87	13.71	0.00	345.16	-0.20	480	--	100	ND	55	ND	--	--	--	
07/16/97	358.87	12.35	0.00	346.52	1.36	--	--	--	--	--	--	--	--	--	
10/14/97	358.87	13.27	0.00	345.60	-0.92	ND	--	ND	ND	ND	ND	--	--	--	
01/29/98	358.87	13.30	0.00	345.57	-0.03	ND	--	ND	ND	ND	ND	--	--	--	
04/15/98	358.87	10.81	0.00	348.06	2.49	--	--	--	--	--	--	--	--	--	Monitored Only
07/14/98	358.87	10.94	0.00	347.93	-0.13	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/98	358.87	11.15	0.00	347.72	-0.21	8000	--	2500	1.7	920	30	--	--	--	Regauged on 12/9/98
01/05/99	358.87	11.50	0.00	347.37	-0.35	--	--	--	--	--	--	--	--	--	Monitored Only
05/04/99	358.87	13.44	0.00	345.43	-1.94	--	--	--	--	--	--	--	--	--	Monitored Only
07/27/99	358.87	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
10/18/99	358.87	13.89	0.00	344.98	--	92	--	4.8	ND	2.5	6.4	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-21 continued															
01/04/00	358.87	14.10	0.00	344.77	-0.21	--	--	--	--	--	--	--	--	--	Monitored Only
04/28/00	358.87	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well at 11.85 ft.
07/25/00	358.87	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
10/19/00	358.87	14.28	0.00	344.59	--	830	--	340	ND<3.0	10	ND<100	--	--	--	
01/08/01	358.87	14.49	0.00	344.38	-0.21	--	--	--	--	--	--	--	--	--	Monitored Only
05/16/01	358.87	13.02	0.00	345.85	1.47	6300	--	1100	ND<40	550	--	ND<100	ND<1000	ND<3000	
07/30/01	358.87	13.27	0.00	345.60	-0.25	6300	--	990	16	500	--	26	ND<300	ND<10000	
12/06/01	360.58	13.68	0.00	346.90	1.30	6000	--	1100	2.3	410	--	30	ND<50	ND<2000	
02/19/02	360.58	14.06	0.00	346.52	-0.38	3300	--	550	1.4	210	--	27	ND<50	ND<1000	
05/16/02	360.58	14.80	0.00	345.78	-0.74	1400	--	320	0.98	150	--	22	ND<50	ND<1000	
09/05/02	360.58	14.94	0.00	345.64	-0.14	1400	--	290	ND<0.5	200	--	27	ND<50	ND<1000	
11/25/02	360.58	14.77	0.00	345.81	0.17	790	--	130	ND<0.5	85	--	25	ND<50	ND<1000	
03/20/03	360.58	13.95	0.00	346.63	0.82	1800	--	320	9.2	160	--	31	ND<50	ND<1000	
05/28/03	360.58	13.05	0.00	347.53	0.90	3400	--	860	6.0	370	--	43	77	ND<2000	
08/27/03	360.58	13.58	0.00	347.00	-0.53	3400	--	890	2.6	360	--	51	ND<12	ND<1000	
12/30/03	360.58	16.71	0.00	343.87	-3.13	--	1800	420	0.93	160	--	26	ND<12	ND<1000	
03/16/04	360.58	13.80	0.00	346.78	2.91	--	2300	590	6.6	270	--	32	ND<12	ND<1000	
05/25/04	360.58	13.94	0.00	346.64	-0.14	--	2900	620	2.1	220	--	43	29	--	
08/25/04	360.58	13.86	0.00	346.72	0.08	160	1600	760	1.4	250	--	42	46	ND<1000	
11/23/04	360.58	12.98	0.00	347.60	0.88	4500	4800	1000	ND<30	370	--	47	ND<600	ND<100000	
02/22/05	360.58	10.67	0.00	349.91	2.31	--	8900	1200	38	590	--	67	ND<2500	ND<50000	
05/24/05	360.58	10.90	0.00	349.68	-0.23	--	990	170	19	78	--	81	ND<50	ND<1000	
08/02/05	360.58	11.65	0.00	348.93	-0.75	--	ND<500	100	14	39	--	83	1000	ND<10000	
12/01/05	360.58	12.25	0.00	348.33	-0.60	--	3500	870	6.0	300	--	39	540	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-21 continued															
03/16/06	360.58	13.02	0.00	347.56	-0.77	--	ND<50	0.89	ND<0.50	ND<0.50	--	52	170	ND<1000	
04/25/06	360.58	--	--	--	--	--	--	--	--	--	--	--	--	--	car over well
MW-22															
06/08/93	359.01	12.51	0.00	346.50	--	10000	--	420	410	430	--	--	--	--	
10/19/93	359.01	13.72	0.00	345.29	-1.21	5400	--	370	130	370	--	--	--	--	
01/26/94	359.01	14.68	0.00	344.33	-0.96	--	--	--	--	--	--	--	--	--	
05/26/94	359.01	14.57	0.00	344.44	0.11	--	--	--	--	--	--	--	--	--	
11/02/94	359.01	14.88	0.00	344.13	-0.31	--	--	--	--	--	--	--	--	--	
03/04/95	359.01	13.45	0.00	345.56	1.43	4000	--	160	21	290	--	--	--	--	
05/23/95	359.01	12.32	0.00	346.69	1.13	--	--	--	--	--	--	--	--	--	
08/08/95	359.01	12.93	0.00	346.08	-0.61	--	--	--	--	--	--	--	--	--	
11/07/95	359.01	13.79	0.00	345.22	-0.86	--	--	--	--	--	--	--	--	--	
03/26/96	359.01	14.10	0.00	344.91	-0.31	1500	--	35	5.7	140	--	--	--	--	
05/09/96	359.01	14.00	0.00	345.01	0.10	330	--	7.4	ND	19	ND	--	--	--	
11/01/96	359.01	15.23	0.00	343.78	-1.23	ND	--	1.1	ND	3.4	5.8	--	--	--	
01/31/97	359.01	13.30	0.00	345.71	1.93	290	--	2.7	ND	13	ND	--	--	--	
04/29/97	359.01	13.55	0.00	345.46	-0.25	ND	--	ND	ND	2.6	ND	--	--	--	
07/16/97	359.01	14.08	0.00	344.93	-0.53	--	--	--	--	--	--	--	--	--	
10/14/97	359.01	14.45	0.00	344.56	-0.37	210	--	ND	2.2	0.31	ND	--	--	--	
01/29/98	359.01	13.10	0.00	345.91	1.35	54	--	ND	1.1	ND	ND	--	--	--	
04/15/98	359.01	9.35	0.00	349.66	3.75	ND	--	ND	ND	ND	ND	--	--	--	
07/14/98	359.01	11.40	0.00	347.61	-2.05	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/98	359.01	12.63	0.00	346.38	-1.23	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
01/05/99	359.01	12.84	0.00	346.17	-0.21	--	--	--	--	--	--	--	--	--	Monitored Only

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-22 continued															
05/04/99	359.01	13.33	0.00	345.68	-0.49	ND	--	ND	ND	ND	ND	--	--	--	
07/27/99	359.01	13.67	0.00	345.34	-0.34	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/99	359.01	13.85	0.00	345.16	-0.18	--	--	--	--	--	--	--	--	--	Monitored Only
01/04/00	359.01	14.39	0.00	344.62	-0.54	--	--	--	--	--	--	--	--	--	Monitored Only
04/28/00	359.01	14.13	0.00	344.88	0.26	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<5.0	--	--	--	
07/25/00	359.01	13.90	0.00	345.11	0.23	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/00	359.01	14.30	0.00	344.71	-0.40	--	--	--	--	--	--	--	--	--	Monitored Only
01/08/01	359.01	14.38	0.00	344.63	-0.08	--	--	--	--	--	--	--	--	--	Monitored Only
05/16/01	359.01	12.86	0.00	346.15	1.52	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	ND<5.0	ND<50	ND<150	
07/30/01	359.01	13.02	0.00	345.99	-0.16	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<2000	
12/06/01	361.16	13.89	0.00	347.27	1.28	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
02/19/02	361.16	14.45	0.00	346.71	-0.56	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
05/16/02	361.16	14.82	0.00	346.34	-0.37	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
09/05/02	361.16	14.94	0.00	346.22	-0.12	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
11/25/02	361.16	14.70	0.00	346.46	0.24	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
03/20/03	361.16	13.47	0.00	347.69	1.23	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
05/28/03	361.16	12.85	0.00	348.31	0.62	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
08/27/03	361.16	13.24	0.00	347.92	-0.39	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
12/30/03	361.16	13.68	0.00	347.48	-0.44	--	60	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
03/16/04	361.16	13.45	0.00	347.71	0.23	--	ND<50	0.50	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
05/25/04	361.16	13.79	0.00	347.37	-0.34	--	67	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
08/25/04	361.16	13.82	0.00	347.34	-0.03	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
11/23/04	361.16	13.20	0.00	347.96	0.62	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
02/22/05	361.16	9.90	0.00	351.26	3.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-22 continued															
05/24/05	361.16	10.33	0.00	350.83	-0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
08/02/05	361.16	11.75	0.00	349.41	-1.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/01/05	361.16	12.18	0.00	348.98	-0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
03/16/06	361.16	12.61	0.00	348.55	-0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
04/25/06	361.16	12.05	0.00	349.11	0.56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-23															
11/02/94	356.08	13.25	0.00	342.83	--	11000	--	410	650	400	--	--	--	--	
P 03/04/95	356.08	11.68	0.00	344.40	1.57	8400	--	1600	9.0	690	--	--	--	--	Pre-purge
03/04/95	356.08	11.68	0.00	344.40	1.57	4900	--	280	200	260	--	--	--	--	
05/23/95	356.08	10.72	0.00	345.36	0.96	--	--	--	--	--	--	--	--	--	
08/08/95	356.08	11.27	0.00	344.81	-0.55	--	--	--	--	--	--	--	--	--	
11/07/95	356.08	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/26/96	356.08	6.85	0.00	349.23	--	630	--	32	18	35	--	--	--	--	
05/09/96	356.08	12.32	0.00	343.76	-5.47	290	--	15	4.4	11	150	--	--	--	
11/01/96	356.08	13.27	0.00	342.81	-0.95	390	--	28	1.4	5.2	230	--	--	--	
01/31/97	356.08	11.45	0.00	344.63	1.82	330	--	24	ND	5.2	170	--	--	--	
04/29/97	356.08	11.90	0.00	344.18	-0.45	320	--	22	ND	2.4	200	--	--	--	
07/16/97	356.08	12.10	0.00	343.98	-0.20	--	--	--	--	--	--	--	--	--	
10/14/97	356.08	12.23	0.00	343.85	-0.13	510	--	46	0.46	2.3	390	--	--	--	
01/29/98	356.08	11.30	0.00	344.78	0.93	380	--	29	ND	2.4	410	--	--	--	
04/15/98	356.08	9.57	0.00	346.51	1.73	--	--	--	--	--	--	--	--	--	Monitored Only
07/14/98	356.08	9.66	0.00	346.42	-0.09	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/98	356.08	10.88	0.00	345.20	-1.22	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
01/05/99	356.08	11.06	0.00	345.02	-0.18	540	--	19	0.67	1.0	900	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-23 continued															
05/04/99	356.08	11.42	0.00	344.66	-0.36	--	--	--	--	--	--	--	--	--	Monitored Only
07/27/99	356.08	11.67	0.00	344.41	-0.25	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/99	356.08	11.83	0.00	344.25	-0.16	--	--	--	--	--	--	--	--	--	Monitored Only
01/04/00	356.08	12.41	0.00	343.67	-0.58	490	--	8.6	0.44	0.65	560	--	--	--	
04/28/00	356.08	12.07	0.00	344.01	0.34	730	--	4.0	ND<0.30	0.46	510	--	--	--	
07/25/00	356.08	12.03	0.00	344.05	0.04	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/00	356.08	12.30	0.00	343.78	-0.27	--	--	--	--	--	--	--	--	--	Monitored Only
01/08/01	356.08	12.47	0.00	343.61	-0.17	59	--	1.4	ND<0.30	0.65	530	--	--	--	
05/16/01	356.08	10.88	0.00	345.20	1.59	ND<50	--	ND<10	ND<10	ND<10	--	580	ND<250	ND<750	
07/30/01	356.08	11.21	0.00	344.87	-0.33	770	--	6.7	ND<0.50	1.5	--	770	ND<50	ND<2000	
12/06/01	358.23	11.91	0.00	346.32	1.45	740	--	4.6	ND<0.5	0.94	--	830	400	ND<2000	
02/19/02	358.23	12.52	0.00	345.71	-0.61	980	--	ND<0.5	ND<0.5	ND<0.5	--	580	ND<50	ND<2000	
05/16/02	358.23	12.74	0.00	345.49	-0.22	670	--	ND<0.5	ND<0.5	ND<0.5	--	820	ND<50	ND<2000	
09/05/02	358.23	12.90	0.00	345.33	-0.16	920	--	9.8	ND<0.5	3.4	--	1200	ND<50	ND<2000	
11/25/02	358.23	12.70	0.00	345.53	0.20	570	--	5.6	ND<3	ND<3	--	880	ND<300	ND<5000	
03/20/03	358.23	11.71	0.00	346.52	0.99	810	--	ND<3	ND<3	ND<3	--	890	ND<300	ND<5000	
05/28/03	358.23	11.52	0.00	346.71	0.19	960	--	ND<0.5	ND<0.5	ND<0.5	--	960	430	ND<1000	
08/27/03	358.23	11.56	0.00	346.67	-0.04	--	100	6.4	ND<0.5	2.3	--	320	320	ND<1000	
12/30/03	358.23	11.88	0.00	346.35	-0.32	--	100	ND<0.5	ND<0.5	ND<0.5	--	83	280	ND<1000	
03/16/04	358.23	11.70	0.00	346.53	0.18	--	89	ND<0.5	0.70	ND<0.5	--	86	ND<12	ND<1000	
05/25/04	358.23	11.88	0.00	346.35	-0.18	--	79	ND<0.5	ND<0.5	0.51	--	38	ND<12	ND<1000	
08/25/04	358.23	11.90	0.00	346.33	-0.02	--	100	3.2	ND<0.5	0.84	--	25	260	ND<1000	
11/23/04	358.23	11.30	0.00	346.93	0.60	--	99	2.1	ND<0.5	0.58	--	16	520	ND<1000	
02/22/05	358.23	9.58	0.00	348.65	1.72	--	57	ND<0.50	ND<0.50	ND<0.5	--	14	ND<50	ND<1000	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through April 2006

76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-23 continued															
05/24/05	358.23	8.91	0.00	349.32	0.67	--	340	ND<0.50	ND<0.50	ND<0.50	--	380	ND<50	ND<1000	
08/02/05	358.23	9.85	0.00	348.38	-0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	8.4	150	ND<1000	
12/01/05	358.23	10.28	0.00	347.95	-0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	10	430	ND<1000	
03/16/06	358.23	10.82	0.00	347.41	-0.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	10	ND<10	ND<1000	
04/25/06	358.23	9.47	0.00	348.76	1.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	3.8	ND<10	ND<1000	
MW-24															
11/02/94	354.58	12.40	0.00	342.18	--	ND	--	ND	1.2	ND	--	--	--	--	
03/04/95	354.58	11.15	0.00	343.43	1.25	ND	--	2.2	1.8	2.1	--	--	--	--	
05/23/95	354.58	10.37	0.00	344.21	0.78	--	--	--	--	--	--	--	--	--	
08/08/95	354.58	10.91	0.00	343.67	-0.54	--	--	--	--	--	--	--	--	--	
11/07/95	354.58	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/26/96	354.58	11.50	0.00	343.08	--	ND	--	ND	ND	ND	--	--	--	--	
05/09/96	354.58	11.76	0.00	342.82	-0.26	ND	--	ND	ND	ND	15	--	--	--	
11/01/96	354.58	12.60	0.00	341.98	-0.84	ND	--	ND	ND	ND	20	--	--	--	
01/31/97	354.58	10.75	0.00	343.83	1.85	ND	--	ND	2.0	ND	23	--	--	--	
04/29/97	354.58	13.33	0.00	341.25	-2.58	ND	--	ND	ND	ND	23	--	--	--	
07/16/97	354.58	11.63	0.00	342.95	1.70	--	--	--	--	--	--	--	--	--	
10/14/97	354.58	11.54	0.00	343.04	0.09	ND	--	ND	ND	ND	ND	--	--	--	
01/29/98	354.58	10.90	0.00	343.68	0.64	ND	--	ND	ND	ND	ND	--	--	--	
04/15/98	354.58	8.90	0.00	345.68	2.00	ND	--	ND	ND	ND	ND	--	--	--	
07/14/98	354.58	9.68	0.00	344.90	-0.78	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/98	354.58	10.42	0.00	344.16	-0.74	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
01/05/99	354.58	10.69	0.00	343.89	-0.27	--	--	--	--	--	--	--	--	--	Monitored Only
05/04/99	354.58	11.14	0.00	343.44	-0.45	ND	--	ND	ND	ND	ND	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through April 2006

76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-24 continued															
07/27/99	354.58	11.22	0.00	343.36	-0.08	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/99	354.58	11.33	0.00	343.25	-0.11	--	--	--	--	--	--	--	--	--	Monitored Only
01/04/00	354.58	11.72	0.00	342.86	-0.39	--	--	--	--	--	--	--	--	--	Monitored Only
04/28/00	354.58	11.53	0.00	343.05	0.19	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<5.0	--	--	--	
07/25/00	354.58	11.46	0.00	343.12	0.07	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/00	354.58	11.72	0.00	342.86	-0.26	--	--	--	--	--	--	--	--	--	Monitored Only
01/08/01	354.58	11.98	0.00	342.60	-0.26	--	--	--	--	--	--	--	--	--	Monitored Only
05/16/01	354.58	10.70	0.00	343.88	1.28	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	ND<5.0	ND<50	ND<150	
07/30/01	354.58	10.73	0.00	343.85	-0.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	2.4	ND<50	ND<2000	
12/06/01	356.75	11.32	0.00	345.43	1.58	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	1.3	ND<50	ND<2000	
02/19/02	356.75	11.95	0.00	344.80	-0.63	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	30	ND<50	ND<2000	
05/16/02	356.75	11.99	0.00	344.76	-0.04	90	--	ND<0.5	ND<0.5	ND<0.5	--	85	ND<50	ND<2000	
09/05/02	356.75	12.32	0.00	344.43	-0.33	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	8.6	ND<50	ND<2000	
11/25/02	356.75	12.07	0.00	344.68	0.25	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	49	ND<50	ND<1000	
03/20/03	356.75	11.01	0.00	345.74	1.06	140	--	ND<0.5	ND<0.5	ND<0.5	--	140	ND<50	ND<1000	
05/28/03	356.75	10.62	0.00	346.13	0.39	180	--	ND<0.5	ND<0.5	ND<0.5	--	190	ND<12	ND<1000	
08/27/03	356.75	11.20	0.00	345.55	-0.58	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	98	ND<12	ND<1000	
12/30/03	356.75	11.45	0.00	345.30	-0.25	--	54	ND<0.5	ND<0.5	ND<0.5	--	20	ND<12	ND<1000	
03/16/04	356.75	11.14	0.00	345.61	0.31	--	120	ND<0.5	ND<0.5	ND<0.5	--	200	ND<12	ND<1000	
05/25/04	356.75	11.42	0.00	345.33	-0.28	--	210	ND<0.5	ND<0.5	ND<0.5	--	180	ND<12	ND<1000	
08/25/04	356.75	11.38	0.00	345.37	0.04	--	100	ND<0.5	ND<0.5	ND<0.5	--	220	ND<12	ND<1000	
11/23/04	356.75	10.65	0.00	346.10	0.73	--	200	ND<0.5	ND<0.5	ND<0.5	--	270	ND<12	ND<1000	
02/22/05	356.75	8.60	0.00	348.15	2.05	--	210	ND<0.50	ND<0.50	ND<0.50	--	370	ND<50	ND<1000	
05/24/05	356.75	8.74	0.00	348.01	-0.14	--	75	ND<0.50	ND<0.50	ND<0.50	--	7.8	ND<50	ND<1000	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through April 2006

76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-24 continued															
08/02/05	356.75	9.40	0.00	347.35	-0.66	--	61	ND<0.50	ND<0.50	ND<0.50	--	500	ND<10	ND<1000	
12/01/05	356.75	10.12	0.00	346.63	-0.72	--	190	ND<0.50	ND<0.50	ND<0.50	--	380	ND<10	ND<1000	
03/16/06	356.75	10.80	0.00	345.95	-0.68	--	160	ND<0.50	ND<0.50	ND<0.50	--	240	ND<10	ND<1000	
04/25/06	356.75	9.95	0.00	346.80	0.85	--	130	ND<0.50	ND<0.50	ND<0.50	--	320	ND<10	ND<1000	
MW-25															
11/02/94	354.46	12.10	0.00	342.36	--	ND	--	ND	ND	1.8	--	--	--	--	
03/04/95	354.46	10.27	0.00	344.19	1.83	ND	--	ND	ND	ND	--	--	--	--	
05/23/95	354.46	9.89	0.00	344.57	0.38	--	--	--	--	--	--	--	--	--	
08/08/95	354.46	10.62	0.00	343.84	-0.73	--	--	--	--	--	--	--	--	--	
11/07/95	354.46	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/26/96	354.46	11.15	0.00	343.31	--	ND	--	ND	ND	ND	--	--	--	--	
05/09/96	354.46	11.41	0.00	343.05	-0.26	ND	--	ND	ND	ND	ND	--	--	--	
11/01/96	354.46	12.27	0.00	342.19	-0.86	ND	--	ND	ND	ND	ND	--	--	--	
01/31/97	354.46	9.74	0.00	344.72	2.53	ND	--	ND	ND	ND	ND	--	--	--	
04/29/97	354.46	10.92	0.00	343.54	-1.18	ND	--	ND	ND	ND	ND	--	--	--	
07/16/97	354.46	11.35	0.00	343.11	-0.43	--	--	--	--	--	--	--	--	--	
10/14/97	354.46	11.34	0.00	343.12	0.01	ND	--	ND	ND	ND	ND	--	--	--	
01/29/98	354.46	10.50	0.00	343.96	0.84	ND	--	ND	ND	ND	ND	--	--	--	
04/15/98	354.46	8.80	0.00	345.66	1.70	--	--	--	--	--	--	--	--	--	Monitored Only
07/14/98	354.46	9.02	0.00	345.44	-0.22	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/98	354.46	9.78	0.00	344.68	-0.76	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
01/05/99	354.46	10.32	0.00	344.14	-0.54	ND	--	ND	ND	ND	ND	--	--	--	
05/04/99	354.46	10.89	0.00	343.57	-0.57	--	--	--	--	--	--	--	--	--	Monitored Only
07/27/99	354.46	10.83	0.00	343.63	0.06	--	--	--	--	--	--	--	--	--	Monitored Only

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-25 continued															
10/18/99	354.46	11.10	0.00	343.36	-0.27	--	--	--	--	--	--	--	--	--	Monitored Only
01/04/00	354.46	11.57	0.00	342.89	-0.47	ND< 50	--	ND< 0.30	ND< 0.30	ND< 0.30	19	--	--	--	
04/28/00	354.46	11.21	0.00	343.25	0.36	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<5.0	--	--	--	
07/25/00	354.46	10.90	0.00	343.56	0.31	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/00	354.46	11.34	0.00	343.12	-0.44	--	--	--	--	--	--	--	--	--	Monitored Only
01/08/01	354.46	11.71	0.00	342.75	-0.37	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<10	--	--	--	
05/16/01	354.46	10.56	0.00	343.90	1.15	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	ND<5.0	ND<50	ND<150	
07/30/01	354.46	10.14	0.00	344.32	0.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<2000	
12/06/01	356.60	10.93	0.00	345.67	1.35	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
02/19/02	356.60	11.84	0.00	344.76	-0.91	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
05/16/02	356.60	11.80	0.00	344.80	0.04	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
09/05/02	356.60	12.73	0.00	343.87	-0.93	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
11/25/02	356.60	11.80	0.00	344.80	0.93	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
03/20/03	356.60	10.62	0.00	345.98	1.18	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
05/28/03	356.60	10.45	0.00	346.15	0.17	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<2000	
08/27/03	356.60	11.13	0.00	345.47	-0.68	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
12/30/03	356.60	11.59	0.00	345.01	-0.46	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
03/16/04	356.60	10.85	0.00	345.75	0.74	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
05/25/04	356.60	11.33	0.00	345.27	-0.48	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	--	
08/25/04	356.60	11.15	0.00	345.45	0.18	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
11/23/04	356.60	10.48	0.00	346.12	0.67	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<2000	
02/22/05	356.60	6.85	0.00	349.75	3.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
05/24/05	356.60	8.73	0.00	347.87	-1.88	--	230	11	14	19	--	ND<0.50	ND<50	ND<1000	
08/02/05	356.60	9.53	0.00	347.07	-0.80	--	59	3.9	10	7.0	--	ND<0.50	ND<10	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-25 continued															
12/01/05	356.60	9.92	0.00	346.68	-0.39	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
03/16/06	356.60	10.88	0.00	345.72	-0.96	--	60	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
04/25/06	356.60	10.25	0.00	346.35	0.63	--	ND<50	ND<0.50	ND<0.50	0.68	--	ND<0.50	ND<10	ND<1000	
MW-26															
11/02/94	358.75	15.15	0.00	343.60	--	ND	--	ND	3.6	1.0	--	--	--	--	
03/04/95	358.75	13.75	0.00	345.00	1.40	380	--	ND	ND	1.0	--	--	--	--	
05/23/95	358.75	12.83	0.00	345.92	0.92	--	--	--	--	--	--	--	--	--	
08/08/95	358.75	13.40	0.00	345.35	-0.57	--	--	--	--	--	--	--	--	--	
11/07/95	358.75	14.19	0.00	344.56	-0.79	ND	--	ND	ND	ND	--	--	--	--	
03/26/96	358.75	14.40	0.00	344.35	-0.21	--	--	--	--	--	--	--	--	--	
05/09/96	358.75	14.45	0.00	344.30	-0.05	ND	--	ND	ND	ND	ND	--	--	--	
11/01/96	358.75	15.53	0.00	343.22	-1.08	ND	--	ND	1.2	ND	5.2	--	--	--	
01/31/97	358.75	13.79	0.00	344.96	1.74	ND	--	ND	ND	ND	ND	--	--	--	
04/29/97	358.75	13.92	0.00	344.83	-0.13	ND	--	ND	ND	ND	ND	--	--	--	
07/16/97	358.75	14.40	0.00	344.35	-0.48	ND	--	ND	ND	ND	ND	--	--	--	
10/14/97	358.75	14.62	0.00	344.13	-0.22	ND	--	ND	ND	ND	ND	--	--	--	
01/29/98	358.75	13.57	0.00	345.18	1.05	ND	--	ND	ND	ND	ND	--	--	--	
04/15/98	358.75	11.39	0.00	347.36	2.18	--	--	--	--	--	--	--	--	--	Monitored Only
07/14/98	358.75	11.88	0.00	346.87	-0.49	ND	--	ND	ND	ND	ND	--	--	--	
10/14/98	358.75	13.04	0.00	345.71	-1.16	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
01/05/99	358.75	13.24	0.00	345.51	-0.20	--	--	--	--	--	--	--	--	--	Monitored Only
05/04/99	358.75	13.75	0.00	345.00	-0.51	--	--	--	--	--	--	--	--	--	Monitored Only
07/27/99	358.75	14.02	0.00	344.73	-0.27	ND	--	ND	ND	ND	ND	--	--	--	
10/18/99	358.75	14.11	0.00	344.64	-0.09	--	--	--	--	--	--	--	--	--	Monitored Only

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-26 continued															
01/04/00	358.75	14.61	0.00	344.14	-0.50	--	--	--	--	--	--	--	--	--	Monitored Only
04/28/00	358.75	14.43	0.00	344.32	0.18	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<5.0	--	--	--	
07/25/00	358.75	14.96	0.00	343.79	-0.53	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<10	--	--	--	
10/19/00	358.75	14.56	0.00	344.19	0.40	--	--	--	--	--	--	--	--	--	Monitored Only
01/08/01	358.75	14.71	0.00	344.04	-0.15	--	--	--	--	--	--	--	--	--	Monitored Only
05/16/01	358.75	13.32	0.00	345.43	1.39	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	ND<5.0	ND<50	ND<150	
07/30/01	358.75	13.51	0.00	345.24	-0.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<2000	
12/06/01	360.90	14.22	0.00	346.68	1.44	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
02/19/02	360.90	14.76	0.00	346.14	-0.54	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
05/16/02	360.90	14.80	0.00	346.10	-0.04	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
09/05/02	360.90	15.24	0.00	345.66	-0.44	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
11/25/02	360.90	15.06	0.00	345.84	0.18	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
03/20/03	360.90	14.25	0.00	346.65	0.81	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
05/28/03	360.90	13.33	0.00	347.57	0.92	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
08/27/03	360.90	13.88	0.00	347.02	-0.55	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
12/30/03	360.90	14.40	0.00	346.50	-0.52	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
03/16/04	360.90	14.12	0.00	346.78	0.28	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
05/25/04	360.90	14.28	0.00	346.62	-0.16	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
08/25/04	360.90	14.26	0.00	346.64	0.02	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
11/23/04	360.90	13.69	0.00	347.21	0.57	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
02/22/05	360.90	10.73	0.00	350.17	2.96	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
05/24/05	360.90	11.27	0.00	349.63	-0.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
08/02/05	360.90	11.92	0.00	348.98	-0.65	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/01/05	360.90	12.45	0.00	348.45	-0.53	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-26 continued															
03/16/06	360.90	13.90	0.00	347.00	-1.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
04/25/06	360.90	12.75	0.00	348.15	1.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-27															
12/06/01	361.06	14.34	0.00	346.72	--	53000	--	6800	5400	1700	--	540	100	ND<2000	
02/19/02	361.06	14.92	0.00	346.14	-0.58	56000	--	5900	8200	1400	--	420	ND<2000	ND<50000	
05/16/02	361.06	15.25	0.00	345.81	-0.33	43000	--	3800	5900	770	--	470	ND<2000	ND<50000	
09/05/02	361.06	15.40	0.00	345.66	-0.15	16000	--	2500	780	960	--	650	ND<500	ND<20000	
11/25/02	361.06	15.20	0.00	345.86	0.20	16000	--	2800	390	1000	--	910	ND<1000	ND<20000	
03/20/03	361.06	14.26	0.00	346.80	0.94	14000	--	1300	75	390	--	1100	ND<300	ND<5000	
05/28/03	361.06	13.45	0.00	347.61	0.81	15000	--	1200	89	500	--	1800	660	ND<20000	
08/27/03	361.06	13.99	0.00	347.07	-0.54	--	12000	1500	33	830	--	890	ND<120	ND<10000	
12/30/03	361.06	14.50	0.00	346.56	-0.51	--	10000	1200	31	500	--	240	530	ND<1000	
03/16/04	361.06	14.51	0.00	346.55	-0.01	--	5600	1300	24	280	--	47	ND<200	ND<10000	
05/25/04	361.06	14.39	0.00	346.67	0.12	--	18000	2900	ND<30	980	--	86	ND<600	ND<50000	
08/25/04	361.06	14.36	0.00	346.70	0.03	--	1600	80	1.1	390	--	40	290	ND<1000	
11/23/04	361.06	13.75	0.00	347.31	0.61	--	1600	98	1.6	220	--	16	670	ND<1000	
02/22/05	361.06	10.95	0.00	350.11	2.80	--	270	6.4	ND<0.50	1.8	--	6.3	210	ND<1000	
05/24/05	361.06	11.25	0.00	349.81	-0.30	--	2500	880	2.2	190	--	80	ND<50	ND<1000	
08/02/05	361.06	11.97	0.00	349.09	-0.72	--	1200	670	ND<5.0	210	--	240	770	ND<10000	
12/01/05	361.06	12.57	0.00	348.49	-0.60	--	850	160	0.55	23	--	480	51	ND<1000	
03/16/06	361.06	13.26	0.00	347.80	-0.69	--	260	61	ND<0.50	1.8	--	60	210	ND<1000	
04/25/06	361.06	12.75	0.00	348.31	0.51	--	670	270	ND<2.5	15	--	120	550	ND<5000	
MW-28															

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-28 continued															
12/06/01	361.26	14.28	0.00	346.98	--	5600	--	61	1.2	710	--	ND<1	ND<100	ND<2000	
02/19/02	361.26	14.87	0.00	346.39	-0.59	2400	--	14	3.3	680	--	ND<1	ND<100	ND<2000	
05/16/02	361.26	15.23	0.00	346.03	-0.36	8900	--	12	3.8	570	--	ND<1	ND<100	ND<2000	
09/05/02	361.26	15.37	0.00	345.89	-0.14	770	--	7.6	0.57	90	--	ND<0.5	ND<50	ND<2000	
11/25/02	361.26	15.15	0.00	346.11	0.22	2100	--	21	2.0	320	--	ND<0.5	ND<50	ND<1000	
03/20/03	361.26	14.71	0.00	346.55	0.44	2200	--	8.0	3.3	600	--	ND<1	ND<100	ND<2000	
05/28/03	361.26	13.36	0.00	347.90	1.35	2000	--	6.1	ND<5	560	--	ND<5	ND<200	ND<10000	
08/27/03	361.26	13.91	0.00	347.35	-0.55	--	700	25	1.3	26	--	ND<0.5	ND<12	ND<1000	
12/30/03	361.26	14.32	0.00	346.94	-0.41	--	1500	19	1.6	50	--	ND<0.5	ND<12	ND<1000	
03/16/04	361.26	14.08	0.00	347.18	0.24	--	880	6.3	3.6	76	--	ND<0.5	ND<12	ND<1000	
05/25/04	361.26	14.38	0.00	346.88	-0.30	--	1200	4.0	1.1	35	--	ND<0.5	ND<12	ND<1000	
08/25/04	361.26	14.31	0.00	346.95	0.07	--	630	19	1.6	22	--	ND<0.5	ND<12	ND<1000	
11/23/04	361.26	13.74	0.00	347.52	0.57	--	1100	21	2.1	27	--	ND<0.5	ND<12	ND<1000	
02/22/05	361.26	10.72	0.00	350.54	3.02	--	630	1.9	0.96	23	--	ND<0.50	ND<50	ND<1000	
05/24/05	361.26	11.13	0.00	350.13	-0.41	--	700	0.65	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
08/02/05	361.26	12.05	0.00	349.21	-0.92	--	220	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	86	ND<1000	
12/01/05	361.26	12.46	0.00	348.80	-0.41	--	160	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
03/16/06	361.26	13.43	0.00	347.83	-0.97	--	400	ND<0.50	0.62	7.4	--	ND<0.50	ND<10	ND<1000	
04/25/06	361.26	12.70	0.00	348.56	0.73	--	370	ND<0.50	0.92	9.8	--	ND<0.50	ND<10	ND<1000	
V-16															
06/08/93	359.91	13.39	0.00	346.52	--	--	--	--	--	--	--	--	--	--	
10/19/93	359.91	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
V-17															

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through April 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
V-17 continued															
06/08/93	360.53	13.98	0.00	346.55	--	--	--	--	--	--	--	--	--	--	
10/19/93	360.53	--	--	--	--	--	--	--	--	--	--	--	--	--	
01/26/94	360.53	14.45	0.00	346.08	--	--	--	--	--	--	--	--	--	--	Dry Well

APPENDIX B

VAPOR MONITORING FIELD NOTES

TRC

MONITORING & SAMPLING FIELD NOTES

Technician: GZ Job #/Task #: _____ Date: 12/29/05

Site #: 5408 Project Manager: _____ Page ____ of ____

Well #	Total Depth	Depth to Water (P10)	Depth to Product (F10)	Product Thickness (feet)	Time Sampled	Misc. Well Notes
1	1.0	0.0		—	8:46	STORM DRAIN
2	0.2	0.0		—	8:47	TRAFFIC SIGNAL
3	0.0	0.0		—	8:49	STREET LIGHTING
4	0.0	0.0		—	8:52	TRAFFIC SIGNAL
5	0.0	0.0		—	8:55	WATER METER
6	0.0	0.0		—	9:05	TV CABLE
7	0.0	0.0		—	9:08	STORM DRAIN
8	3.1	2.9		—	9:14	SEWER
9	0.2	0.0		—	9:17	TRAFFIC SIGNAL
10	3.2	4.9		—	9:26	SEWER
11	1.1	0.9		—	9:30	WATER 2 VAULTS SIDE x SIDE
12	1.4	4.9			9:35	STORM DRAIN

FLDMON 8/4/2005

TRC

DAILY FIELD REPORT

Job Name: COP 5408	Project Number:	Date: 12/28/05
Location: LAGUNA HILLS	Weather: AM COOL OVERCAST	Day: WEDS
Staff: GZ	Reason For Site Visit: VAPOR MONITORING	

Check where applicable and provide brief description of condition:

☐ Power Poles: ☐ Compound: ☐ Vacant Lot:

☐ Lock on Fence: ☐ Drums on Site (contents & date):

☐ Visual Inspection of External Well Heads:

07:45 ARRIVED - STATION OPEN - BLDG UNDER CONSTRUCTION

07:50 REVIEW HASP - LOCATED ROUTES + EMERGENCY INFO

08:00 SITE WALK IDENTIFIED "VAULTS" CHECKED ADJOINING (UNION BANK FOR ADDITIONAL VAULTS)

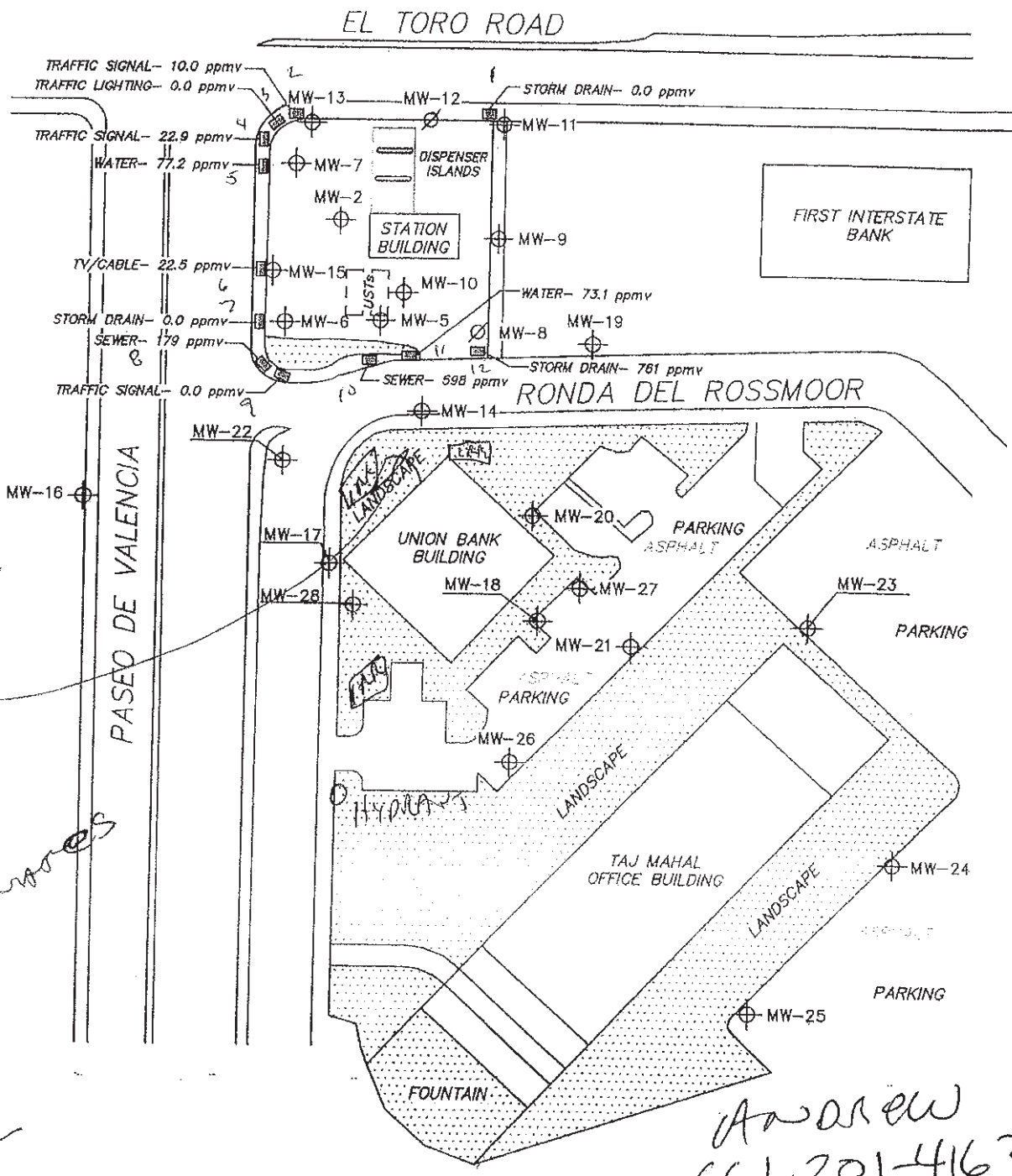
08:10 CALIBRATE PID SN 004455 100 PPM HEXANE 907259

08:15 CALIBRATE FID CZDG208 5000 PPM HEXANE 906063 10805556

09:25 SET UP VAC CHAMBER + PUMP FOR BAG SAMPLES

08:35 NOTIFIED STATION CASHIER + CONST MANAGER OF SCOPE OF WORK

VINCE CORDONA 949-707-2653



check non vaults

FIXED GASSES
ANALYSIS
BTEX OXYGENATES
8260
BC LABS

ANDREW
661-201-4162

NOTES:

Modified from a map provided by Gettler–Ryan, Inc., dated 08/00.
UST = underground storage tank.
ppmv = parts per million by volume.

>50 PPM

LEGEND

MW–28 ⊕ Monitoring Well

SITE PLAN WITH SOIL VAPOR READINGS FROM UTILITY VAULTS

76 Station 5408
24082 El Toro Road
Laguna Hills, California

TRC

SCALE (FEET)
0 100

FIGURE 2

PS=1:1 5408–003

L:\Graphics\ProjectsByNumber\60–xxxx\60–0614 76 5408\5408_8x11.dwg Nov 09, 2005 – 9:34am lwinters

VANESSA @ BC 661-327-4911 862-4201

TRC

DAILY FIELD REPORT

Job Name:	Project Number:	Date:
Location:	Weather:	Day:
Staff:	Reason For Site Visit:	

Check where applicable and provide brief description of condition:

☐ Power Poles: ☐ Compound: ☐ Vacant Lot:

☐ Lock on Fence: ☐ Drums on Site (contents & date):

☐ Visual Inspection of External Well Heads:

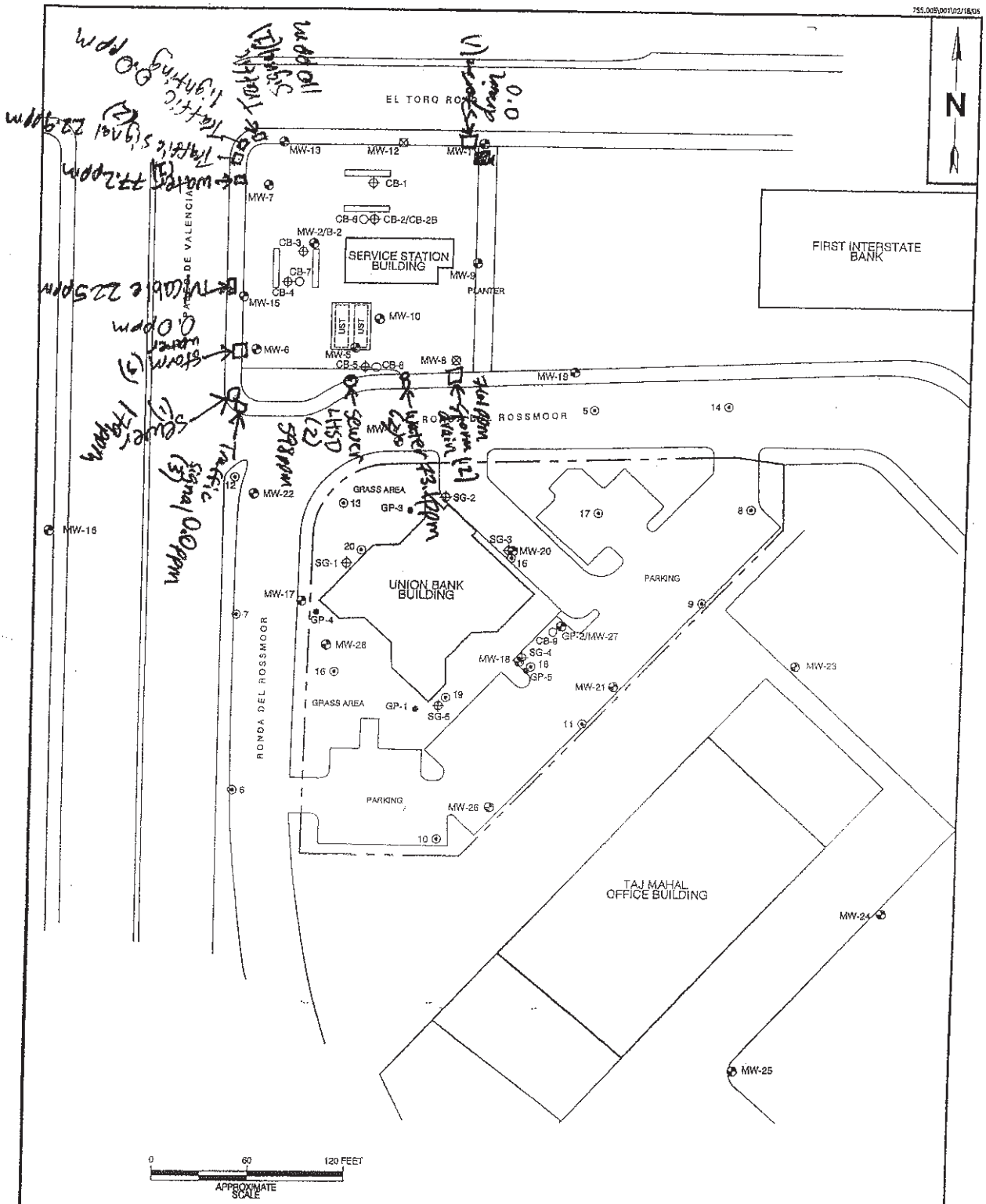
08:45 BEGIN SURVEY

09:45 CHECKED INSTRUMENTS TO SPANS
PID (5000) 3258 PID (100) 99.8
FID (5000) 4931 FID (100) 89.9

09:50 SAFETY AUDIT

10:00 LOAD EQUIPMENT

10:05 DEPART



EXPLANATION

MW-25	GROUND WATER MONITORING WELL
CB-6	PROPOSED CONFIRMATION SOIL BORING
CB-1	CONFIRMATION SOIL BORING (APRIL AND OCTOBER 2000)
GP-2	GEOPROBE SOIL BORING (SEPTEMBER 2001)
SG-5	SOIL GAS SAMPLING POINT (SEPTEMBER 2001)
20	APPROXIMATE LOCATION OF APRIL 1992 SOIL GAS SAMPLING POINTS, TARGET ENVIRONMENTAL SERVICES, INC.
MW-6	ABANDONED WELL

REFERENCE:
VAPOR EXTRACTION TECHNOLOGY, INC. 07/06/93.
UNOCAL GENERAL ARRANGEMENT PLAN.
UNION BANK OF CALIFORNIA SITE PLAN

FIGURE 2

VICINITY MAP SHOWING PROPOSED CONFIRMATION BORINGS

76 STATION No. 5408
LAGUNA HILLS, CALIFORNIA

PREPARED FOR

CONOCOPHILLIPS
SANTA ANA, CALIFORNIA

ENGLAND GEOSYSTEM
ENVIRONMENTAL ENGINEERING

TRC

January 18, 2007

Orange County Health Care Agency
Hazardous Materials Management Section
Environmental Health Division
1241 E. Dyer Road, Suite 120
Santa Ana, CA 92705-5611

ATTN: MS. JOYCE KRALL

SITE: 76 STATION 5408
24082 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2006

Dear Ms. Krall:

Please find enclosed our Quarterly Monitoring Report for 76 Station 5408, located at 24082 El Toro Road, Laguna Hills, California. If you have any questions regarding this report, please call us at (949) 727-9336.

Sincerely,

TRC

Anju Farfan
QMS Operations Manager

cc: Dan Fischman, ConocoPhillips Company (Electronic copy)
Jerome Jaminet, TRC (electronic copy)
Cynthia Wagner, Union Bank-Orange
Jill Mathews, The Muller Company

Enclosures
20-0400/5408R42.QMS

21 Technology Drive • Irvine, California 92618
Main: 949-727-9336 • Fax: 949-727-7399
www.trcsolutions.com

TRC

QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2006

76 STATION 5408
24082 El Toro Road
Laguna Hills, California

Prepared For:

Mr. Richard Solomon
CONOCOPHILLIPS COMPANY
3611 Harbor Boulevard Suite 200
Santa Ana, California 92704

By:

CERTIFIED ENGINEERING GEOLOGIST
DENNIS E. JENSEN
No. EG 1034
Exp. 4/07
STATE OF CALIFORNIA

Senior Project Geologist, Irvine Operations
January 17, 2007

21 Technology Drive • Irvine, California 92618
Main: 949-727-9336 • Fax: 949-727-7399
www.trcsolutions.com

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Contents of Tables Table 1: Current Fluid Levels and Selected Analytical Results Table 1a: Additional Current Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 2a: Additional Historic Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G (GC/MS) Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map Figure 6: Dissolved-Phase TBA Concentration Map
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time
Field Activities	General Field Procedures Field Monitoring Data Sheets – 12/26/06 Groundwater Sampling Field Notes – 12/26/06 Statement of Non-Completion – 12/26/06
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Disposal Documents	Disposal/Treatment Manifests – Current (Pending) Disposal/Treatment Manifests – Previously Not Submitted
Statement	Limitations

Summary of Gauging and Sampling Activities
October 2006 through December 2006
76 Station 5408
24082 El Toro Road
Laguna Hills, CA

Project Coordinator: **Richard Solomon**
Telephone: **714-428-7673**
Water Sampling Contractor: ***TRC***
Compiled by: **Tina Gesualdo**
Date(s) of Gauging/Sampling Event: **12/26/06**

Sample Points

Groundwater wells: **9** onsite, **14** offsite Wells gauged: **21** Wells sampled: **20**
Purging method: **Submersible pump**
Purge water disposal: **Crosby and Overton treatment facility**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**
LPH removal frequency: **n/a** Method: **n/a**
Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **11.35 feet** Maximum: **15.93 feet**
Average groundwater elevation (relative to available local datum): **346.94 feet**
Average change in groundwater elevation since previous event: **-0.47 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.005 ft/ft, southeast**
Previous event: **0.006 ft/ft, southeast (09/26/06)**

Selected Laboratory Results

Wells with detected **Benzene:** **9** Wells above MCL (1.0 µg/l): **8**
Maximum reported benzene concentration: **2,400 µg/l (MW-18)**

Wells with **TPH-G by GC/MS** **11** Maximum: **16,000 µg/l (MW-5)**
Wells with **MTBE** **10** Maximum: **250 µg/l (MW-24)**

Notes:

MW-13=Unable to access, MW-14=Car over well, MW-6=Unable to locate,

This report presents the results of groundwater monitoring and sampling activities performed by TRC. Please contact the primary consultant for other specific information on this site.

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)

ANALYTES

BTEX	=	benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-G (GC/MS)	=	total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation – Measured Depth to Water + (Dp x LPH Thickness), where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 5408 in May 1996. Historical data compiled prior to that time were provided by Vapor Extraction Technology, Inc.

Contents of Tables 1 and 2
Site: 76 Station 5408

Current Event

Table 1	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
Table 1a	Well/ Date	Total Xylenes	DIPE	ETBE	TAME	Iron Ferrous	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Field Con--ductivity	Field pH	Field Temp.	Pre-purge ORP	

Historic Data

Table 2	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments	
Table 2a	Well/ Date	Total Xylenes	DIPE	ETBE	TAME	Iron Ferrous	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con--ductivity	Field pH	Field Temp.	Pre-purge ORP

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

December 26, 2006

76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-2		**(Screen Interval in feet: 10 - 25)**													
12/26/2006	362.65	15.15	0.00	347.50	-0.62	--	15000	250	290	720	--	ND<0.50	ND<10	ND<1000	
MW-5		**(Screen Interval in feet: 10 - 20)**													
12/26/2006	361.97	14.70	0.00	347.27	-0.55	--	16000	350	260	1700	--	ND<5.0	ND<100	ND<10000	
MW-6		**(Screen Interval in feet: 10 - 25)**													
12/26/2006	362.51	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-7		**(Screen Interval in feet: 10 - 25)**													
12/26/2006	362.27	14.66	0.00	347.61	-0.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-9		**(Screen Interval in feet: 5 - 30)**													
12/26/2006	362.78	15.11	0.00	347.67	--	--	5700	67	5.8	76	--	2.7	ND<10	ND<1000	
MW-10		**(Screen Interval in feet: 5 - 30)**													
12/26/2006	362.08	14.88	0.00	347.20	-0.63	--	4400	180	68	96	--	2.0	ND<10	ND<1000	
MW-11		**(Screen Interval in feet: 5 - 30)**													
12/26/2006	363.22	15.93	0.00	347.29	-0.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	0.64	ND<10	ND<1000	
MW-13		**(Screen Interval in feet: 5 - 30)**													
12/26/2006	362.82	15.62	0.00	347.20	--	--	--	--	--	--	--	--	--	--	Unable to access
MW-14		**(Screen Interval in feet: 5 - 30)**													
12/26/2006	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Car over well
MW-15		**(Screen Interval in feet: 5 - 30)**													
12/26/2006	362.45	14.28	0.00	348.17	-0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-16		**(Screen Interval in feet: 9 - 29)**													
12/26/2006	361.54	13.82	0.00	347.72	-0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-17		**(Screen Interval in feet: 9 - 29)**													
12/26/2006	360.81	13.83	0.00	346.98	-0.47	--	3100	ND<0.50	0.54	100	--	ND<0.50	ND<10	ND<1000	
MW-18		**(Screen Interval in feet: 9 - 29)**													

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
December 26, 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-18 continued															
12/26/2006	360.76	14.07	0.00	346.69	-0.40	--	5800	2400	170	180	--	11	ND<100	ND<10000	
MW-19		**(Screen Interval in feet: 9 - 29)**													
12/26/2006	360.08	13.27	0.00	346.81	-0.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	1.1	ND<10	ND<1000	
MW-20		**(Screen Interval in feet: 10 - 30)**													
12/26/2006	360.58	13.87	0.00	346.71	-0.47	--	200	6.4	ND<0.50	ND<0.50	--	1.7	810	ND<1000	
MW-21		**(Screen Interval in feet: 10 - 30)**													
12/26/2006	360.58	13.97	0.00	346.61	-0.46	--	87	13	ND<0.50	1.4	--	9.4	ND<10	ND<1000	
MW-22		**(Screen Interval in feet: 10 - 25)**													
12/26/2006	361.16	13.98	0.00	347.18	-0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-23		**(Screen Interval in feet: 10 - 25)**													
12/26/2006	358.23	11.88	0.00	346.35	-0.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	4.8	120	ND<1000	
MW-24		**(Screen Interval in feet: 10 - 20)**													
12/26/2006	356.75	11.35	0.00	345.40	0.51	--	130	ND<0.50	ND<0.50	ND<0.50	--	250	23	ND<1000	
MW-25		**(Screen Interval in feet: 10 - 20)**													
12/26/2006	356.60	11.35	0.00	345.25	-0.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-26		**(Screen Interval in feet: 12 - 27)**													
12/26/2006	360.90	14.25	0.00	346.65	-0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-27		**(Screen Interval in feet: 5 - 25)**													
12/26/2006	361.06	14.41	0.00	346.65	-0.50	--	1600	640	ND<2.5	27	--	27	420	ND<5000	
MW-28		**(Screen Interval in feet: 5 - 25)**													
12/26/2006	361.26	14.39	0.00	346.87	-0.44	--	580	0.68	2.4	36	--	ND<0.50	ND<10	ND<1000	

Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferrou	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Field Con-- ductivity	Field pH	Field Temp	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-2													
12/26/2006	1600	ND<0.50	ND<0.50	ND<0.50	4100	490	ND<0.20	5.6	690	342	6.84	20.1	-102
MW-5													
12/26/2006	3400	ND<5.0	ND<5.0	ND<5.0	36000	4900	ND<0.20	5.0	710	258	6.94	20.7	-198
MW-7													
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--
MW-9													
12/26/2006	22	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--
MW-10													
12/26/2006	190	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--
MW-11													
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--
MW-15													
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--
MW-16													
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--
MW-17													
12/26/2006	1.7	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--
MW-18													
12/26/2006	180	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--
MW-19													
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--
MW-20													
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	4000	2400	ND<0.20	14	650	218	7.12	21	-87

Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Field Con-- ductivity	Field pH	Field Temp	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-21													
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	2800	920	ND<0.20	140	570	241	7.42	19.5	-294
MW-22													
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--
MW-23													
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--
MW-24													
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--
MW-25													
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<10	ND<0.10	250	370	224	7.39	19.3	-214
MW-26													
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--
MW-27													
12/26/2006	ND<5.0	ND<2.5	ND<2.5	ND<2.5	--	--	--	--	--	--	--	--	--
MW-28													
12/26/2006	3.4	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-2		**(Screen Interval in feet: 10 - 25)**													
6/22/1990	--	--	--	--	--	--	--	7500	10000	4000	--	--	--	--	
7/25/1990	360.69	17.08	0.00	343.61	--	--	--	8000	12000	3300	--	--	--	--	
8/30/1990	360.69	17.19	0.00	343.50	-0.11	--	--	2440	3790	1130	--	--	--	--	
10/4/1990	360.69	17.19	0.00	343.50	0.00	--	--	3540	5330	1500	--	--	--	--	
1/8/1991	360.69	16.85	0.00	343.84	0.34	--	--	2200	4100	1150	--	--	--	--	
4/10/1991	360.69	16.13	0.00	344.56	0.72	--	--	3380	5860	1420	--	--	--	--	
7/18/1991	360.69	16.51	0.00	344.18	-0.38	--	--	1160	2040	560	--	--	--	--	
10/24/1991	360.69	16.98	0.00	343.71	-0.47	15980	--	668	1340	669	--	--	--	--	
1/23/1992	360.69	18.64	1.03	342.82	-0.89	--	--	--	--	--	--	--	--	--	
4/24/1992	360.69	16.29	0.08	344.46	1.64	--	--	--	--	--	--	--	--	--	
7/22/1992	360.69	16.21	0.01	344.49	0.03	--	--	--	--	--	--	--	--	--	
11/3/1992	360.69	17.08	0.04	343.64	-0.85	--	--	--	--	--	--	--	--	--	
2/11/1993	360.69	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
6/8/1993	360.48	13.55	0.00	346.93	--	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/1993	360.48	14.75	0.00	345.73	-1.20	--	--	--	--	--	--	--	--	--	
1/26/1994	360.48	15.81	0.00	344.67	-1.06	--	--	--	--	--	--	--	--	--	
5/26/1994	360.48	15.20	0.00	345.28	0.61	--	--	--	--	--	--	--	--	--	
11/2/1994	360.48	16.38	0.00	344.10	-1.18	26000	--	490	1400	660	--	--	--	--	
3/4/1995	360.48	14.70	0.00	345.78	1.68	--	--	--	--	--	--	--	--	--	
5/23/1995	360.48	13.56	0.00	346.92	1.14	--	--	--	--	--	--	--	--	--	
8/8/1995	360.48	14.25	0.00	346.23	-0.69	25000	--	340	780	720	--	--	--	--	
11/7/1995	360.48	14.89	0.00	345.59	-0.64	--	--	--	--	--	--	--	--	--	
3/26/1996	360.48	15.22	0.00	345.26	-0.33	--	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-2 continued															
5/9/1996	360.48	15.43	<0.01	345.05	-0.21	--	--	--	--	--	--	--	--	--	
11/1/1996	360.48	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
1/31/1997	360.48	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
4/29/1997	360.48	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
7/16/1997	360.48	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/14/1997	360.48	15.55	0.00	344.93	--	12000	--	150	350	300	ND	--	--	--	Gauged and sampled on 11/3/97
1/29/1998	360.48	14.00	0.00	346.48	1.55	4600	--	39	100	91	ND	--	--	--	
4/15/1998	360.48	11.25	0.00	349.23	2.75	--	--	--	--	--	--	--	--	--	Monitored Only
7/14/1998	360.48	12.10	0.00	348.38	-0.85	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/1998	360.48	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
1/5/1999	360.48	13.93	0.00	346.55	--	260	--	14	8.6	11	ND	--	--	--	
5/4/1999	360.48	14.40	0.00	346.08	-0.47	--	--	--	--	--	--	--	--	--	Monitored Only
7/27/1999	360.48	14.61	0.00	345.87	-0.21	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/1999	360.48	14.96	0.00	345.52	-0.35	--	--	--	--	--	--	--	--	--	Monitored Only
1/4/2000	360.48	15.80	0.00	344.68	-0.84	3400	--	50	19	108	ND<5.0	--	--	--	
4/28/2000	360.48	15.29	0.00	345.19	0.51	7100	--	230	190	340	ND<5.0	--	--	--	
7/25/2000	360.48	15.20	0.00	345.28	0.09	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/2000	360.48	15.43	0.00	345.05	-0.23	--	--	--	--	--	--	--	--	--	Monitored Only
1/8/2001	360.48	15.72	0.00	344.76	-0.29	4700	--	120	47	220	ND<500	--	--	--	
5/16/2001	360.48	13.28	0.00	347.20	2.44	14000	--	360	410	820	--	ND<50	ND<500	ND<1500	
7/30/2001	360.48	14.22	0.00	346.26	-0.94	17000	--	250	240	650	--	ND<3.0	ND<300	ND<10000	
12/6/2001	362.65	15.12	0.00	347.53	1.27	23000	--	410	310	700	--	1.0	ND<100	ND<2000	
2/19/2002	362.65	15.69	0.00	346.96	-0.57	15000	--	270	160	530	--	0.78	ND<50	ND<1000	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through December 2006

76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-2 continued															
5/16/2002	362.65	16.12	0.00	346.53	-0.43	20000	--	600	200	200	--	ND<1	ND<100	ND<2000	
9/5/2002	362.65	16.13	0.00	346.52	-0.01	270000	--	490	560	1100	--	ND<5	ND<500	ND<10000	
11/25/2002	362.65	15.95	0.00	346.70	0.18	45000	--	500	540	1400	--	ND<20	ND<2000	ND<30000	
3/20/2003	362.65	14.48	0.00	348.17	1.47	62000	--	320	350	1000	--	ND<5	ND<500	ND<10000	
5/28/2003	362.65	13.88	0.00	348.77	0.60	13000	--	150	180	560	--	ND<5	ND<200	ND<20000	
8/27/2003	362.65	14.33	0.00	348.32	-0.45	16000	--	190	190	770	--	ND<0.5	ND<12	ND<1000	
12/30/2003	362.65	14.99	0.00	347.66	-0.66	--	23000	290	270	660	--	ND<5	ND<200	ND<10000	
3/16/2004	362.65	14.64	0.00	348.01	0.35	--	22000	340	440	830	--	ND<5	ND<200	ND<10000	
5/25/2004	362.65	14.86	0.00	347.79	-0.22	--	39000	320	510	1000	--	ND<5	ND<200	--	
8/25/2004	362.65	14.87	0.00	347.78	-0.01	1200	18000	270	250	530	--	3.9	ND<60	ND<5000	
11/23/2004	362.65	14.20	0.00	348.45	0.67	28000	32000	300	360	860	--	ND<30	ND<600	ND<50000	
2/22/2005	362.65	10.22	0.00	352.43	3.98	--	33000	420	540	740	--	ND<25	ND<2500	ND<50000	
5/24/2005	362.65	11.24	0.00	351.41	-1.02	--	15000	230	110	530	--	ND<25	ND<2500	ND<50000	
8/2/2005	362.65	11.94	0.00	350.71	-0.70	--	23000	140	52	590	--	ND<5.0	ND<100	ND<10000	
12/1/2005	362.65	13.08	0.00	349.57	-1.14	--	45000	160	110	860	--	ND<25	ND<500	ND<50000	
3/16/2006	362.65	--	--	--	--	--	--	--	--	--	--	--	--	--	Station under construction
4/25/2006	362.65	13.00	0.00	349.65	--	--	11000	100	52	410	--	ND<0.50	ND<10	ND<1000	
9/26/2006	362.65	14.53	0.00	348.12	-1.53	--	15000	360	280	600	--	ND<5.0	ND<100	ND<10000	
12/26/2006	362.65	15.15	0.00	347.50	-0.62	--	15000	250	290	720	--	ND<0.50	ND<10	ND<1000	
MW-3	**(Screen Interval in feet: 10 - 25)**														
6/22/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
7/25/1990	360.40	17.78	0.90	343.29	--	--	--	--	--	--	--	--	--	--	
8/30/1990	360.40	17.83	1.00	343.32	0.03	--	--	--	--	--	--	--	--	--	
10/4/1990	360.40	17.84	0.93	343.26	-0.06	--	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-3 continued															
1/8/1991	360.40	17.42	0.71	343.51	0.25	--	--	--	--	--	--	--	--	--	
4/10/1991	360.40	16.49	0.33	344.16	0.65	--	--	--	--	--	--	--	--	--	
7/18/1991	360.40	16.52	0.12	343.97	-0.19	--	--	--	--	--	--	--	--	--	
10/24/1991	360.40	17.90	1.28	343.46	-0.51	--	--	--	--	--	--	--	--	--	
1/23/1992	360.40	18.48	0.75	342.48	-0.98	--	--	--	--	--	--	--	--	--	
4/24/1992	360.40	16.18	0.03	344.24	1.76	--	--	--	--	--	--	--	--	--	
7/22/1992	360.40	16.15	0.02	344.27	0.02	--	--	--	--	--	--	--	--	--	
11/3/1992	360.40	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
2/11/1993	360.40	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
6/8/1993	360.40	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned 3/23/93
MW-5	**(Screen Interval in feet: 10 - 20)**														
6/22/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
7/25/1990	359.33	15.97	0.02	343.38	--	--	--	--	--	--	--	--	--	--	
8/30/1990	359.33	15.50	0.04	343.86	0.48	--	--	--	--	--	--	--	--	--	
10/4/1990	359.33	16.07	0.02	343.27	-0.58	--	--	--	--	--	--	--	--	--	
1/8/1991	359.33	15.92	0.02	343.42	0.15	--	--	--	--	--	--	--	--	--	
4/10/1991	359.33	15.22	0.02	344.13	0.70	--	--	--	--	--	--	--	--	--	
7/18/1991	359.33	15.73	0.34	343.85	-0.27	--	--	--	--	--	--	--	--	--	
10/24/1991	359.33	15.82	0.07	343.56	-0.29	--	--	--	--	--	--	--	--	--	
1/23/1992	359.33	16.55	0.01	342.79	-0.77	--	--	--	--	--	--	--	--	--	
4/24/1992	359.33	15.15	0.03	344.20	1.41	--	--	--	--	--	--	--	--	--	
7/22/1992	359.33	15.29	0.03	344.06	-0.14	--	--	--	--	--	--	--	--	--	
11/3/1992	359.33	16.41	0.00	342.92	-1.14	130000	--	7600	16000	3600	--	--	--	--	
2/11/1993	359.33	14.21	0.00	345.12	2.20	62000	--	2600	3000	230	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-5 continued															
6/8/1993	359.44	12.90	0.00	346.54	1.42	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/1993	359.44	14.07	0.00	345.37	-1.17	--	--	--	--	--	--	--	--	--	
P 1/26/1994	359.44	15.04	0.00	344.40	-0.97	120000	--	13000	21000	1600	--	--	--	--	Pre-purge
1/26/1994	359.44	15.04	0.00	344.40	-0.97	150000	--	15000	25000	2400	--	--	--	--	
5/26/1994	359.44	14.96	0.00	344.48	0.08	--	--	--	--	--	--	--	--	--	
11/2/1994	359.44	15.40	0.00	344.04	-0.44	--	--	--	--	--	--	--	--	--	
3/4/1995	359.44	13.87	0.00	345.57	1.53	43000	--	3900	8000	860	--	--	--	--	
5/23/1995	359.44	12.75	0.00	346.69	1.12	--	--	--	--	--	--	--	--	--	
8/8/1995	359.44	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/7/1995	359.44	14.25	0.00	345.19	--	--	--	--	--	--	--	--	--	--	
3/26/1996	359.44	15.52	0.00	343.92	-1.27	54000	--	6000	15000	1100	--	--	--	--	
5/9/1996	359.44	14.71	0.00	344.73	0.81	100000	--	9600	23000	2300	3500	--	--	--	
11/1/1996	359.44	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
1/31/1997	359.44	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
4/29/1997	359.44	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
7/16/1997	359.44	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
10/14/1997	359.44	--	--	--	--	--	--	--	--	--	--	--	--	--	Stinger stuck in well - 11/3/97
1/29/1998	359.44	13.60	0.00	345.84	--	120000	--	250	380	74	100000	--	--	--	
4/15/1998	359.44	11.21	0.00	348.23	2.39	82000	--	5600	18000	2400	7700	--	--	--	
7/14/1998	359.44	12.08	0.00	347.36	-0.87	85000	--	4300	15000	2100	1000	--	--	--	
10/14/1998	359.44	12.94	0.00	346.50	-0.86	60000	--	460	33	540	91000	--	--	--	
1/5/1999	359.44	--	0.00	--	--	3200	--	500	320	200	100	--	--	--	
5/4/1999	359.44	13.48	0.00	345.96	--	95000	--	4500	14000	3400	5100	--	--	--	
7/27/1999	359.44	13.79	0.00	345.65	-0.31	67000	--	4000	15000	2800	770	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through December 2006

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-5 continued															
10/18/1999	359.44	13.95	0.00	345.49	-0.16	72000	--	4600	16000	3000	850	--	--	--	
1/4/2000	359.44	14.65	0.00	344.79	-0.70	110000	--	4100	9000	3000	95000	--	--	--	
4/28/2000	359.44	14.28	0.00	345.16	0.37	87000	--	2800	5900	2100	92000	--	--	--	
7/25/2000	359.44	13.82	0.00	345.62	0.46	41000	--	3200	4900	2200	40000	--	--	--	
10/19/2000	359.44	14.50	0.00	344.94	-0.68	37000	--	3300	3300	2400	28000	--	--	--	
1/8/2001	359.44	14.63	0.00	344.81	-0.13	23000	--	2500	710	2000	11000	--	--	--	
5/16/2001	359.44	12.97	0.00	346.47	1.66	5100	--	430	160	170	--	1800	1100	ND<1500	
7/30/2001	359.44	13.24	0.00	346.20	-0.27	12000	--	630	670	290	--	2700	2300	ND<20000	
12/6/2001	362.07	14.08	0.00	347.99	1.79	78000	--	3300	12000	2300	--	250	ND<2000	ND<50000	
2/19/2002	362.07	15.11	0.00	346.96	-1.03	69000	--	2400	7600	2400	--	810	ND<30000	ND<500000	
5/16/2002	362.07	15.02	0.00	347.05	0.09	34000	--	500	990	400	--	82	ND<100	ND<2000	
9/5/2002	362.07	15.64	0.00	346.43	-0.62	39000	--	1600	3500	1600	--	130	ND<300	ND<5000	
11/25/2002	362.07	15.53	0.00	346.54	0.11	32000	--	1300	2600	1600	--	67	ND<300	ND<5000	
3/20/2003	362.07	14.34	0.00	347.73	1.19	11000	--	100	98	93	--	ND<0.5	ND<50	ND<1000	
5/28/2003	362.07	12.97	0.00	349.10	1.37	2100	--	93	11	31	--	21	33	ND<2000	
8/27/2003	362.07	12.36	0.00	349.71	0.61	1000	--	52	17	91	--	19	ND<12	ND<1000	
12/30/2003	362.07	14.53	0.00	347.54	-2.17	--	3500	58	42	120	--	5.2	ND<12	ND<1000	
3/16/2004	362.07	14.23	0.00	347.84	0.30	--	1300	17	11	76	--	0.66	ND<12	ND<1000	
5/25/2004	362.07	14.51	0.00	347.56	-0.28	--	18000	230	1500	540	--	45	ND<200	--	
8/25/2004	362.07	14.39	0.00	347.68	0.12	1500	1600	57	17	160	--	12	ND<12	ND<1000	
11/23/2004	361.97	13.83	0.00	348.14	0.46	1900	2700	29	16	42	--	9.6	ND<12	ND<1000	
2/22/2005	361.97	10.15	0.00	351.82	3.68	--	750	25	14	2.2	--	4.2	ND<50	ND<1000	
5/24/2005	361.97	10.98	0.00	350.99	-0.83	--	6900	70	330	740	--	ND<25	ND<2500	ND<50000	
8/2/2005	361.97	11.83	0.00	350.14	-0.85	--	6600	51	180	1000	--	14	ND<250	ND<25000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-5 continued															
12/1/2005	361.97	12.56	0.00	349.41	-0.73	--	980	4.3	1.1	34	--	2.5	ND<10	ND<1000	
3/16/2006	361.97	--	--	--	--	--	--	--	--	--	--	--	--	--	Station under construction
4/25/2006	361.97	12.71	0.00	349.26	--	--	4400	120	380	370	--	2.9	ND<10	ND<1000	
9/26/2006	361.97	14.15	0.00	347.82	-1.44	--	12000	230	82	830	--	5.1	ND<100	ND<10000	
12/26/2006	361.97	14.70	0.00	347.27	-0.55	--	16000	350	260	1700	--	ND<5.0	ND<100	ND<10000	
MW-6	**(Screen Interval in feet: 10 - 25)**														
6/22/1990	--	--	--	--	--	--	--	160	2.1	1.6	--	--	--	--	
7/25/1990	359.74	15.81	0.00	343.93	--	--	--	320	0.56	0.74	--	--	--	--	
8/30/1990	359.74	15.62	0.00	344.12	0.19	--	--	6.6	4.0	ND	--	--	--	--	
10/4/1990	359.74	16.90	0.00	342.84	-1.28	--	--	507	5.0	1.0	--	--	--	--	
1/8/1991	359.74	15.46	0.00	344.28	1.44	--	--	680	5.0	ND	--	--	--	--	
4/10/1991	359.74	14.87	0.00	344.87	0.59	--	--	876	ND	36	--	--	--	--	
7/18/1991	359.74	15.05	0.00	344.69	-0.18	--	--	240	7.2	0.9	--	--	--	--	
10/24/1991	359.74	15.38	0.00	344.36	-0.33	8700	--	193	305	210	--	--	--	--	
1/23/1992	359.74	16.72	0.00	343.02	-1.34	600	--	38	27	16	--	--	--	--	
4/24/1992	359.74	15.06	0.00	344.68	1.66	780	--	296	21.2	17.6	--	--	--	--	
7/22/1992	359.74	15.17	0.00	344.57	-0.11	830	--	180	4.0	9.0	--	--	--	--	
11/3/1992	359.74	16.25	0.00	343.49	-1.08	120	--	36	2.5	4.0	--	--	--	--	
2/11/1993	359.74	13.75	0.00	345.99	2.50	--	--	--	--	--	--	--	--	--	
6/8/1993	359.79	12.78	0.00	347.01	1.02	700	--	35	87	16	--	--	--	--	Resurveyed
10/19/1993	359.79	14.01	0.00	345.78	-1.23	--	--	--	--	--	--	--	--	--	
1/26/1994	359.79	15.00	0.00	344.79	-0.99	--	--	--	--	--	--	--	--	--	
5/26/1994	359.79	14.85	0.00	344.94	0.15	--	--	--	--	--	--	--	--	--	
11/2/1994	359.79	14.66	0.00	345.13	0.19	ND	--	ND	1.4	ND	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-6 continued															
3/4/1995	359.79	14.51	0.00	345.28	0.15	--	--	--	--	--	--	--	--	--	
5/23/1995	359.79	12.36	0.00	347.43	2.15	--	--	--	--	--	--	--	--	--	
8/8/1995	359.79	13.01	0.00	346.78	-0.65	--	--	--	--	--	--	--	--	--	
11/7/1995	359.79	13.84	0.00	345.95	-0.83	620	--	0.7	4.7	5.2	--	--	--	--	
3/26/1996	359.79	14.52	0.00	345.27	-0.68	--	--	--	--	--	--	--	--	--	
5/9/1996	359.79	14.90	0.00	344.89	-0.38	ND	--	ND	ND	ND	ND	--	--	--	
11/1/1996	359.79	15.58	0.00	344.21	-0.68	ND	--	ND	ND	ND	ND	--	--	--	
1/31/1997	359.79	13.40	0.00	346.39	2.18	ND	--	ND	ND	ND	ND	--	--	--	
4/29/1997	359.79	13.95	0.00	345.84	-0.55	ND	--	ND	ND	ND	ND	--	--	--	
7/16/1997	359.79	14.50	0.00	345.29	-0.55	--	--	--	--	--	--	--	--	--	
10/14/1997	359.79	14.87	0.00	344.92	-0.37	ND	--	ND	ND	ND	ND	--	--	--	
1/29/1998	359.79	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
4/15/1998	359.79	10.39	0.00	349.40	--	--	--	--	--	--	--	--	--	--	Monitored Only
7/14/1998	359.79	11.40	0.00	348.39	-1.01	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/1998	359.79	12.90	0.00	346.89	-1.50	ND	--	ND	ND	ND	ND	--	--	--	Regauged on 12/9/98
1/5/1999	359.79	13.20	0.00	346.59	-0.30	--	--	--	--	--	--	--	--	--	Monitored Only
5/4/1999	359.79	13.67	0.00	346.12	-0.47	--	--	--	--	--	--	--	--	--	Monitored Only
7/27/1999	359.79	13.97	0.00	345.82	-0.30	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/1999	359.79	14.28	0.00	345.51	-0.31	ND	--	ND	ND	ND	ND	--	--	--	
1/4/2000	359.79	14.97	0.00	344.82	-0.69	--	--	--	--	--	--	--	--	--	Monitored Only
4/28/2000	359.79	14.53	0.00	345.26	0.44	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<5.0	--	--	--	
7/25/2000	359.79	14.40	0.00	345.39	0.13	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/2000	359.79	14.69	0.00	345.10	-0.29	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<10	--	--	--	
1/8/2001	359.79	14.82	0.00	344.97	-0.13	--	--	--	--	--	--	--	--	--	Monitored Only

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-6 continued															
5/16/2001	359.79	13.08	0.00	346.71	1.74	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	ND<5.0	ND<50	ND<150	
7/30/2001	359.79	13.34	0.00	346.45	-0.26	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<2000	
12/6/2001	361.96	14.34	0.00	347.62	1.17	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
2/19/2002	361.96	14.95	0.00	347.01	-0.61	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
5/16/2002	361.96	15.33	0.00	346.63	-0.38	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
9/5/2002	361.96	15.33	0.00	346.63	0.00	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
11/25/2002	361.96	15.13	0.00	346.83	0.20	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
3/20/2003	361.96	13.54	0.00	348.42	1.59	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
5/28/2003	361.96	13.05	0.00	348.91	0.49	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
8/27/2003	361.96	--	--	--	--	--	--	--	--	--	--	--	--	--	paved over
12/30/2003	361.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/16/2004	361.96	14.90	0.00	347.06	--	--	69	ND<0.5	0.80	ND<0.5	--	ND<0.5	ND<12	ND<1000	
5/25/2004	361.96	14.19	0.00	347.77	0.71	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
8/25/2004	362.51	14.69	0.00	347.82	0.05	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
11/23/2004	362.51	13.68	0.00	348.83	1.01	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
2/22/2005	362.51	8.56	0.00	353.95	5.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
5/24/2005	362.51	10.90	0.00	351.61	-2.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
8/2/2005	362.51	11.80	0.00	350.71	-0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/1/2005	362.51	12.77	0.00	349.74	-0.97	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
3/16/2006	362.51	12.90	0.00	349.61	-0.13	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
4/25/2006	362.51	12.50	0.00	350.01	0.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
9/26/2006	362.51	14.35	0.00	348.16	-1.85	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/26/2006	362.51	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate

MW-7 **(Screen Interval in feet: 10 - 25)**

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through December 2006

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-7 continued															
6/22/1990	--	--	--	--	--	--	--	25	1.0	ND	--	--	--	--	
7/25/1990	360.31	16.54	0.00	343.77	--	--	--	76	4.1	7.6	--	--	--	--	
8/30/1990	360.31	16.44	0.00	343.87	0.10	--	--	5.6	9.6	2.1	--	--	--	--	
10/4/1990	360.31	16.70	0.00	343.61	-0.26	--	--	176	41.5	10.3	--	--	--	--	
1/8/1991	360.31	16.22	0.00	344.09	0.48	--	--	42	17.4	9.6	--	--	--	--	
4/10/1991	360.31	15.64	0.00	344.67	0.58	--	--	50	10	8.0	--	--	--	--	
7/18/1991	360.31	15.97	0.00	344.34	-0.33	--	--	22.4	29.8	1.1	--	--	--	--	
10/24/1991	360.31	16.40	0.00	343.91	-0.43	ND	--	11.2	13.4	5.4	--	--	--	--	
1/23/1992	360.31	17.37	0.00	342.94	-0.97	890	--	42	28	16	--	--	--	--	
4/24/1992	360.31	15.64	0.00	344.67	1.73	ND	--	14.4	5.4	5.8	--	--	--	--	
7/22/1992	360.31	16.91	0.00	343.40	-1.27	190	--	13	5.0	4.0	--	--	--	--	
11/3/1992	360.31	16.09	0.00	344.22	0.82	980	--	71	30	6.2	--	--	--	--	
2/11/1993	360.31	14.73	0.00	345.58	1.36	150	--	3.0	2.0	1.1	--	--	--	--	
6/8/1993	360.48	13.27	0.00	347.21	1.63	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/1993	360.48	14.56	0.00	345.92	-1.29	--	--	--	--	--	--	--	--	--	
1/26/1994	360.48	15.63	0.00	344.85	-1.07	--	--	--	--	--	--	--	--	--	
5/26/1994	360.48	15.64	0.00	344.84	-0.01	--	--	--	--	--	--	--	--	--	
11/2/1994	360.48	16.07	0.00	344.41	-0.43	100	--	3.1	20	1.5	--	--	--	--	
3/4/1995	360.48	14.25	0.00	346.23	1.82	--	--	--	--	--	--	--	--	--	
5/23/1995	360.48	13.02	0.00	347.46	1.23	--	--	--	--	--	--	--	--	--	
8/8/1995	360.48	13.78	0.00	346.70	-0.76	--	--	--	--	--	--	--	--	--	
11/7/1995	360.48	14.75	0.00	345.73	-0.97	270	--	2.2	3.5	3.6	--	--	--	--	
3/26/1996	360.48	15.10	0.00	345.38	-0.35	--	--	--	--	--	--	--	--	--	
5/9/1996	360.48	15.26	0.00	345.22	-0.16	ND	--	1.4	ND	ND	ND	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-7 continued															
11/1/1996	360.48	16.25	0.00	344.23	-0.99	1200	--	24	63	10	5.7	--	--	--	
1/31/1997	360.48	13.90	0.00	346.58	2.35	ND	--	2.4	ND	ND	ND	--	--	--	
4/29/1997	360.48	14.51	0.00	345.97	-0.61	ND	--	ND	ND	ND	ND	--	--	--	
7/16/1997	360.48	15.07	0.00	345.41	-0.56	ND	--	ND	ND	ND	ND	--	--	--	
10/14/1997	360.48	15.39	0.00	345.09	-0.32	ND	--	ND	ND	ND	ND	--	--	--	
1/29/1998	360.48	13.10	0.00	347.38	2.29	ND	--	ND	ND	ND	ND	--	--	--	
4/15/1998	360.48	10.90	0.00	349.58	2.20	--	--	--	--	--	--	--	--	--	Monitored Only
7/14/1998	360.48	12.08	0.00	348.40	-1.18	ND	--	ND	ND	ND	ND	--	--	--	
10/14/1998	360.48	13.49	0.00	346.99	-1.41	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
1/5/1999	360.48	13.81	0.00	346.67	-0.32	--	--	--	--	--	--	--	--	--	Monitored Only
5/4/1999	360.48	14.24	0.00	346.24	-0.43	--	--	--	--	--	--	--	--	--	Monitored Only
7/27/1999	360.48	14.48	0.00	346.00	-0.24	830	--	170	2.6	45	ND	--	--	--	
10/18/1999	360.48	14.82	0.00	345.66	-0.34	--	--	--	--	--	--	--	--	--	Monitored Only
1/4/2000	360.48	15.33	0.00	345.15	-0.51	--	--	--	--	--	--	--	--	--	Monitored Only
4/28/2000	360.48	15.14	0.00	345.34	0.19	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<5.0	--	--	--	
7/25/2000	360.48	15.00	0.00	345.48	0.14	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<10	--	--	--	
10/19/2000	360.48	15.32	0.00	345.16	-0.32	--	--	--	--	--	--	--	--	--	Monitored Only
1/8/2001	360.48	15.61	0.00	344.87	-0.29	--	--	--	--	--	--	--	--	--	Monitored Only
5/16/2001	360.48	13.61	0.00	346.87	2.00	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	ND<5.0	ND<50	ND<150	
7/30/2001	360.48	13.99	0.00	346.49	-0.38	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
12/6/2001	362.65	14.98	0.00	347.67	1.18	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
2/19/2002	362.65	15.59	0.00	347.06	-0.61	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
5/16/2002	362.65	16.00	0.00	346.65	-0.41	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
9/5/2002	362.65	15.95	0.00	346.70	0.05	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-7 continued															
11/25/2002	362.65	15.80	0.00	346.85	0.15	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
3/20/2003	362.65	14.19	0.00	348.46	1.61	55	--	0.53	ND<0.5	0.58	--	ND<0.5	ND<50	ND<1000	
5/28/2003	362.65	13.50	0.00	349.15	0.69	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
8/27/2003	362.65	--	--	--	--	--	--	--	--	--	--	--	--	--	paved over
12/30/2003	362.65	14.52	0.00	348.13	--	--	460	66	0.65	4.5	--	ND<0.5	ND<12	ND<1000	
3/16/2004	362.65	14.14	0.00	348.51	0.38	--	590	69	2.6	12	--	ND<0.5	ND<12	ND<1000	
5/25/2004	362.65	14.33	0.00	348.32	-0.19	--	87	1.1	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
8/25/2004	362.27	14.43	0.00	347.84	-0.48	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
11/23/2004	362.27	13.65	0.00	348.62	0.78	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
2/22/2005	362.27	9.53	0.00	352.74	4.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
5/24/2005	362.27	10.47	0.00	351.80	-0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
8/2/2005	362.27	11.35	0.00	350.92	-0.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/1/2005	362.27	12.51	0.00	349.76	-1.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
3/16/2006	362.27	13.30	0.00	348.97	-0.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
4/25/2006	362.27	12.40	0.00	349.87	0.90	--	130	1.3	3.7	12	--	ND<0.50	ND<10	ND<1000	
9/26/2006	362.27	13.96	0.00	348.31	-1.56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/26/2006	362.27	14.66	0.00	347.61	-0.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-8	**(Screen Interval in feet: DNA)**														
6/22/1990	--	--	--	--	--	--	--	190	69	110	--	--	--	--	
7/25/1990	358.87	15.65	0.00	343.22	--	--	--	600	1000	2.0	--	--	--	--	
8/30/1990	358.87	15.46	0.00	343.41	0.19	--	--	2110	910	30	--	--	--	--	
10/4/1990	358.87	15.78	0.00	343.09	-0.32	--	--	5010	136	487	--	--	--	--	
1/8/1991	358.87	15.68	0.00	343.19	0.10	--	--	1300	55	205	--	--	--	--	
4/10/1991	358.87	14.89	0.00	343.98	0.79	--	--	2100	50	200	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-8 continued															
7/18/1991	358.87	15.13	0.00	343.74	-0.24	--	--	1054	31	108	--	--	--	--	
10/24/1991	358.87	15.51	0.00	343.36	-0.38	3650	--	1970	98	280	--	--	--	--	
1/23/1992	358.87	16.39	0.00	342.48	-0.88	4000	--	1900	17	320	--	--	--	--	
4/24/1992	358.87	14.85	0.00	344.02	1.54	21200	--	7220	610	1080	--	--	--	--	
7/22/1992	358.87	14.98	0.00	343.89	-0.13	5200	--	1400	100	270	--	--	--	--	
11/3/1992	358.87	15.85	0.00	343.02	-0.87	7700	--	4000	280	610	--	--	--	--	
2/11/1993	358.87	13.69	0.00	345.18	2.16	13000	--	1900	460	360	--	--	--	--	
6/8/1993	358.97	12.63	0.00	346.34	1.16	8800	--	2700	350	510	--	--	--	--	Resurveyed
10/19/1993	358.97	13.78	0.00	345.19	-1.15	--	--	--	--	--	--	--	--	--	
1/26/1994	358.97	14.72	0.00	344.25	-0.94	--	--	--	--	--	--	--	--	--	
5/26/1994	358.97	14.65	0.00	344.32	0.07	21000	--	5500	260	1300	--	--	--	--	
11/2/1994	358.97	15.14	0.00	343.83	-0.49	--	--	--	--	--	--	--	--	--	
3/4/1995	358.97	13.60	0.00	345.37	1.54	--	--	--	--	--	--	--	--	--	
5/23/1995	358.97	12.49	0.00	346.48	1.11	21000	--	4100	480	1400	--	--	--	--	
8/8/1995	358.97	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/7/1995	358.97	14.05	0.00	344.92	--	--	--	--	--	--	--	--	--	--	
3/26/1996	358.97	14.26	0.00	344.71	-0.21	--	--	--	--	--	--	--	--	--	
5/9/1996	358.97	14.45	0.00	344.52	-0.19	13000	--	2900	200	940	190	--	--	--	
11/1/1996	358.97	15.16	0.00	343.81	-0.71	19000	--	3700	400	1100	260	--	--	--	
1/31/1997	358.97	13.15	0.00	345.82	2.01	23000	--	5100	750	1600	320	--	--	--	
4/29/1997	358.97	13.38	0.00	345.59	-0.23	15000	--	3200	550	1300	ND	--	--	--	
7/16/1997	358.97	13.60	0.00	345.37	-0.22	--	--	--	--	--	--	--	--	--	
10/14/1997	358.97	14.17	0.00	344.80	-0.57	40000	--	5300	2000	1800	ND	--	--	--	
1/29/1998	358.97	13.00	0.00	345.97	1.17	34000	--	4700	910	1500	ND	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-8 continued															
4/15/1998	358.97	10.20	0.00	348.77	2.80	--	--	--	--	--	--	--	--	--	Monitored Only
7/14/1998	358.97	11.34	0.00	347.63	-1.14	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/1998	358.97	11.50	0.00	347.47	-0.16	45000	--	5500	3100	2200	760	--	--	--	Regauged on 12/9/98
1/5/1999	358.97	12.07	0.00	346.90	-0.57	--	--	--	--	--	--	--	--	--	Monitored Only
5/4/1999	358.97	13.21	0.00	345.76	-1.14	--	--	--	--	--	--	--	--	--	Monitored Only
7/27/1999	358.97	13.49	0.00	345.48	-0.28	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/1999	358.97	13.30	0.00	345.67	0.19	26000	--	2100	1400	1500	690	--	--	--	
1/4/2000	358.97	13.97	0.00	345.00	-0.67	--	--	--	--	--	--	--	--	--	Monitored Only
4/28/2000	358.97	13.97	0.00	345.00	0.00	6800	--	370	120	430	100	--	--	--	
7/25/2000	358.97	13.93	0.00	345.04	0.04	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/2000	358.97	14.15	0.00	344.82	-0.22	5700	--	470	120	540	ND<500	--	--	--	
1/8/2001	358.97	14.41	0.00	344.56	-0.26	--	--	--	--	--	--	--	--	--	Monitored Only
5/16/2001	358.97	12.75	0.00	346.22	1.66	10000	--	420	130	650	--	250	ND<500	ND<1500	
7/30/2001	358.97	12.98	0.00	345.99	-0.23	25000	--	780	540	1300	--	460	ND<300	ND<10000	
12/6/2001	360.96	13.83	0.00	347.13	1.14	5400	--	100	34	150	--	210	120	ND<2000	
2/19/2002	360.96	14.35	0.00	346.61	-0.52	12000	--	290	74	620	--	1500	ND<300	ND<10000	
5/16/2002	360.96	14.74	0.00	346.22	-0.39	8000	--	210	40	550	--	2300	ND<50	ND<2000	
9/5/2002	360.96	14.82	0.00	346.14	-0.08	7800	--	180	64	610	--	2200	ND<1000	ND<40000	
11/25/2002	360.96	14.67	0.00	346.29	0.15	12000	--	240	61	780	--	2700	ND<1000	ND<20000	
3/20/2003	360.96	13.52	0.00	347.44	1.15	2000	--	25	15	7.5	--	270	ND<50	ND<1000	
5/28/2003	360.96	13.72	0.00	347.24	-0.20	3800	--	42	14	300	--	520	ND<200	ND<10000	
8/27/2003	360.96	--	--	--	--	--	--	--	--	--	--	--	--	--	paved over
12/30/2003	360.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/16/2004	360.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-8 continued															
5/25/2004	360.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
8/25/2004	361.36	14.14	0.00	347.22	--	--	8400	170	81	780	--	380	860	ND<5000	
11/23/2004	361.36	13.48	0.00	347.88	0.66	--	--	--	--	--	--	--	--	--	Sample not allowed
2/22/2005	361.36	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned
MW-9	**(Screen Interval in feet: 5 - 30)**														
6/22/1990	--	--	--	--	--	--	--	59	1.0	0.92	--	--	--	--	
7/25/1990	360.28	17.02	0.00	343.26	--	--	--	6.3	0.46	ND	--	--	--	--	
8/30/1990	360.28	16.66	0.00	343.62	0.36	--	--	3.1	4.9	ND	--	--	--	--	
10/4/1990	360.28	17.16	0.00	343.12	-0.50	--	--	42.7	ND	90	--	--	--	--	
1/8/1991	360.28	17.04	0.00	343.24	0.12	--	--	25	90	ND	--	--	--	--	
4/10/1991	360.28	16.28	0.00	344.00	0.76	--	--	81	11	ND	--	--	--	--	
7/18/1991	360.28	16.50	0.00	343.78	-0.22	--	--	30.2	12.4	60	--	--	--	--	
10/24/1991	360.28	17.03	0.00	343.25	-0.53	1564	--	70	14.3	146	--	--	--	--	
1/23/1992	360.28	17.75	0.00	342.53	-0.72	1700	--	28	2.5	100	--	--	--	--	
4/24/1992	360.28	16.91	0.00	343.37	0.84	1749	--	35.8	5.0	133	--	--	--	--	
7/22/1992	360.81	17.11	0.00	343.70	0.33	750	--	40	2.0	60	--	--	--	--	Resurveyed
11/3/1992	360.81	18.08	0.00	342.73	-0.97	3300	--	27	36	47	--	--	--	--	
2/11/1993	360.81	15.78	0.00	345.03	2.30	310	--	ND	ND	2.4	--	--	--	--	
6/8/1993	361.15	14.73	0.00	346.42	1.39	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/1993	361.15	15.87	0.00	345.28	-1.14	--	--	--	--	--	--	--	--	--	
1/26/1994	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	
5/26/1994	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/2/1994	361.15	17.28	0.00	343.87	--	380	--	1.0	1.4	0.6	--	--	--	--	
3/4/1995	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-9 continued															
5/23/1995	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
8/8/1995	361.15	15.30	0.00	345.85	--	840	--	53	6.2	120	--	--	--	--	
11/7/1995	361.15	16.27	0.00	344.88	-0.97	--	--	--	--	--	--	--	--	--	
3/26/1996	361.15	14.31	0.00	346.84	1.96	--	--	--	--	--	--	--	--	--	
5/9/1996	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
11/1/1996	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
1/31/1997	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
4/29/1997	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
7/16/1997	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/14/1997	361.15	16.56	0.00	344.59	--	150	--	ND	1.4	ND	ND	--	--	--	Gauged and sampled on 11/3/97
4/15/1998	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
7/24/1998	361.15	13.79	0.00	347.36	--	--	--	--	--	--	--	--	--	--	
10/14/1998	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
1/5/1999	361.15	15.05	0.00	346.10	--	--	--	--	--	--	--	--	--	--	Monitored Only
5/4/1999	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
7/27/1999	361.15	15.76	0.00	345.39	--	5000	--	55	9.0	650	26	--	--	--	
10/18/1999	361.15	15.91	0.00	345.24	-0.15	--	--	--	--	--	--	--	--	--	Monitored Only
1/4/2000	361.15	16.11	0.00	345.04	-0.20	--	--	--	--	--	--	--	--	--	Monitored Only
4/28/2000	361.15	16.26	0.00	344.89	-0.15	3100	--	18	5.9	180	17	--	--	--	
7/25/2000	361.15	16.20	0.00	344.95	0.06	1800	--	19	ND<1.5	94	ND<50	--	--	--	
10/19/2000	361.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
1/8/2001	361.15	16.72	0.00	344.43	--	--	--	--	--	--	--	--	--	--	Monitored Only
5/16/2001	361.15	14.98	0.00	346.17	1.74	1500	--	8.5	ND<2.0	2.0	--	9.4	ND<50	ND<150	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-9 continued															
7/30/2001	361.15	15.27	0.00	345.88	-0.29	2200	--	22	0.78	2.0	--	12	ND<50	ND<2000	
12/6/2001	363.29	16.08	0.00	347.21	1.33	4600	--	31	1.3	2.0	--	11	ND<50	ND<2000	
2/19/2002	363.29	16.62	0.00	346.67	-0.54	3000	--	11	ND<3	ND<3	--	7.6	ND<300	ND<10000	
5/16/2002	363.29	17.04	0.00	346.25	-0.42	1100	--	2.8	ND<0.5	ND<0.5	--	6.6	ND<50	ND<2000	
9/5/2002	363.29	17.09	0.00	346.20	-0.05	530	--	1.1	ND<0.5	ND<0.5	--	4.8	ND<50	ND<2000	
11/25/2002	363.29	16.95	0.00	346.34	0.14	1600	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
3/20/2003	363.29	15.80	0.00	347.49	1.15	1100	--	0.50	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
5/28/2003	363.29	15.01	0.00	348.28	0.79	1300	--	1.7	ND<0.5	1.1	--	4.3	ND<12	ND<1000	
8/27/2003	363.29	--	--	--	--	--	--	--	--	--	--	--	--	--	paved over
12/30/2003	363.29	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/16/2004	363.29	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
5/25/2004	363.29	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
8/25/2004	362.78	15.48	0.00	347.30	--	--	950	8.9	ND<0.5	2.9	--	7.0	23	ND<1000	
11/23/2004	362.78	14.81	0.00	347.97	0.67	--	1300	2.8	ND<0.5	ND<0.5	--	6.8	ND<12	ND<1000	
2/22/2005	362.78	11.51	0.00	351.27	3.30	--	110	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
5/24/2005	362.78	11.91	0.00	350.87	-0.40	--	7600	240	16	320	--	4.2	ND<50	ND<1000	
8/2/2005	362.78	12.65	0.00	350.13	-0.74	--	6100	300	8.6	470	--	ND<5.0	930	ND<10000	
12/1/2005	362.78	13.57	0.00	349.21	-0.92	--	5100	170	4.6	130	--	ND<2.5	ND<50	ND<5000	
3/16/2006	362.78	--	--	--	--	--	--	--	--	--	--	--	--	--	Station under construction
4/25/2006	362.78	--	--	--	--	--	--	--	--	--	--	--	--	--	under construction
9/26/2006	362.78	--	--	--	--	--	--	--	--	--	--	--	--	--	Bolts stripped
12/26/2006	362.78	15.11	0.00	347.67	--	--	5700	67	5.8	76	--	2.7	ND<10	ND<1000	
MW-10	**(Screen Interval in feet: 5 - 30)**														
6/22/1990	--	--	--	--	--	--	--	3900	4100	2100	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-10 continued															
7/25/1990	360.17	16.83	0.00	343.34	--	--	--	126000	126000	1000	--	--	--	--	
8/30/1990	360.17	16.31	0.00	343.86	0.52	--	--	13950	15100	1235	--	--	--	--	
10/4/1990	360.17	16.96	0.00	343.21	-0.65	--	--	15460	15580	2160	--	--	--	--	
1/8/1991	360.17	16.82	0.00	343.35	0.14	--	--	9333	12300	1600	--	--	--	--	
4/10/1991	360.17	16.23	0.00	343.94	0.59	--	--	4900	4800	700	--	--	--	--	
7/18/1991	360.17	16.29	0.00	343.88	-0.06	--	--	10800	15450	1550	--	--	--	--	
10/24/1991	360.17	16.92	0.04	343.28	-0.60	--	--	--	--	--	--	--	--	--	
1/23/1992	360.17	17.70	0.50	342.85	-0.43	--	--	--	--	--	--	--	--	--	
4/24/1992	360.17	16.00	0.11	344.25	1.41	--	--	--	--	--	--	--	--	--	
7/22/1992	360.17	16.27	0.03	343.92	-0.33	--	--	--	--	--	--	--	--	--	
11/3/1992	360.17	17.32	0.00	342.85	-1.07	60000	--	16000	24000	4000	--	--	--	--	
2/11/1993	360.17	14.98	0.00	345.19	2.34	75000	--	1800	4100	480	--	--	--	--	
6/8/1993	360.23	13.72	0.00	346.51	1.32	130000	--	11000	20000	2900	--	--	--	--	Resurveyed
10/19/1993	360.23	14.92	0.00	345.31	-1.20	64000	--	6000	10000	2200	--	--	--	--	
1/26/1994	360.23	15.82	0.00	344.41	-0.90	--	--	--	--	--	--	--	--	--	
5/26/1994	360.23	15.22	0.00	345.01	0.60	--	--	--	--	--	--	--	--	--	
11/2/1994	360.23	15.72	0.00	344.51	-0.50	--	--	--	--	--	--	--	--	--	
3/4/1995	360.23	14.05	0.00	346.18	1.67	49000	--	13000	3400	2400	--	--	--	--	
5/23/1995	360.23	12.98	0.00	347.25	1.07	--	--	--	--	--	--	--	--	--	
8/8/1995	360.23	13.61	0.00	346.62	-0.63	--	--	--	--	--	--	--	--	--	
11/7/1995	360.23	14.75	0.00	345.48	-1.14	59000	--	5100	3400	2600	--	--	--	--	
3/26/1996	360.23	14.80	0.00	345.43	-0.05	--	--	--	--	--	--	--	--	--	
5/9/1996	360.23	14.97	0.00	345.26	-0.17	28000	--	4300	1900	2200	360	--	--	--	
11/1/1996	360.23	16.06	0.00	344.17	-1.09	42000	--	3600	5700	2500	1100	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-10 continued															
1/31/1997	360.23	14.10	0.00	346.13	1.96	30000	--	1700	800	1800	7900	--	--	--	
4/29/1997	360.23	14.26	0.00	345.97	-0.16	34000	--	1100	5200	1600	1200	--	--	--	
7/16/1997	360.23	13.88	0.00	346.35	0.38	--	--	--	--	--	--	--	--	--	
10/14/1997	360.23	15.20	0.00	345.03	-1.32	18000	--	1200	900	970	1300	--	--	--	
1/29/1998	360.23	13.58	0.00	346.65	1.62	2800	--	670	7.7	130	900	--	--	--	
4/15/1998	360.23	11.30	0.00	348.93	2.28	4200	--	330	82	97	140	--	--	--	
7/14/1998	360.23	12.26	0.00	347.97	-0.96	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/1998	360.23	13.34	0.00	346.89	-1.08	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
1/5/1999	360.23	13.41	0.00	346.82	-0.07	--	--	--	--	--	--	--	--	--	Monitored Only
5/4/1999	360.23	14.14	0.00	346.09	-0.73	26000	--	760	190	2500	3300	--	--	--	
7/27/1999	360.23	14.40	0.00	345.83	-0.26	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/1999	360.23	14.64	0.00	345.59	-0.24	--	--	--	--	--	--	--	--	--	Monitored Only
1/4/2000	360.23	15.01	0.00	345.22	-0.37	--	--	--	--	--	--	--	--	--	Monitored Only
4/28/2000	360.23	14.92	0.00	345.31	0.09	40000	--	750	95	1300	25000	--	--	--	
7/25/2000	360.23	14.90	0.00	345.33	0.02	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/2000	360.23	15.10	0.00	345.13	-0.20	--	--	--	--	--	--	--	--	--	Monitored Only
1/8/2001	360.23	15.34	0.00	344.89	-0.24	--	--	--	--	--	--	--	--	--	Monitored Only
5/16/2001	360.23	12.91	0.00	347.32	2.43	13000	--	200	52	1700	--	650	ND<500	ND<1500	
7/30/2001	360.23	13.94	0.00	346.29	-1.03	21000	--	220	75	2500	--	1000	ND<500	ND<20000	
12/6/2001	362.08	14.82	0.00	347.26	0.97	12000	--	240	17	1100	--	900	85	ND<2000	
2/19/2002	362.08	15.30	0.00	346.78	-0.48	6400	--	380	22	1300	--	220	ND<300	ND<10000	
5/16/2002	362.08	15.72	0.00	346.36	-0.42	6400	--	410	22	1000	--	160	ND<300	ND<10000	
9/5/2002	362.08	15.80	0.00	346.28	-0.08	7900	--	280	59	1800	--	120	ND<300	ND<10000	
11/25/2002	362.08	15.64	0.00	346.44	0.16	19000	--	920	91	2700	--	300	ND<500	ND<10000	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through December 2006

76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-10 continued															
3/20/2003	362.08	14.47	0.00	347.61	1.17	3900	--	57	48	280	--	ND<0.5	ND<50	ND<1000	
5/28/2003	362.08	13.62	0.00	348.46	0.85	8600	--	43	42	840	--	ND<5	ND<200	ND<10000	
8/27/2003	362.08	14.11	0.00	347.97	-0.49	--	2300	34	52	430	--	ND<0.5	ND<12	ND<1000	
12/30/2003	362.08	14.72	0.00	347.36	-0.61	--	2000	100	6.3	60	--	7.8	ND<12	ND<1000	
3/16/2004	362.08	14.44	0.00	347.64	0.28	--	230	11	1.2	1.3	--	ND<0.5	ND<12	ND<1000	
5/25/2004	362.08	14.61	0.00	347.47	-0.17	--	160	2.5	ND<0.5	1.7	--	ND<0.5	ND<12	ND<1000	
8/25/2004	362.08	14.63	0.00	347.45	-0.02	--	110	4.5	ND<0.5	0.85	--	ND<0.5	ND<12	ND<1000	
11/23/2004	362.08	13.94	0.00	348.14	0.69	--	2000	22	7.8	ND<0.5	--	ND<5	ND<200	ND<10000	
2/22/2005	362.08	10.27	0.00	351.81	3.67	--	880	9.0	8.2	0.72	--	ND<0.50	ND<50	ND<1000	
5/24/2005	362.08	11.03	0.00	351.05	-0.76	--	12000	82	58	1300	--	ND<0.50	ND<50	ND<1000	
8/2/2005	362.08	11.80	0.00	350.28	-0.77	--	1900	44	12	380	--	0.62	ND<10	ND<1000	
12/1/2005	362.08	12.65	0.00	349.43	-0.85	--	5200	58	26	910	--	ND<25	ND<500	ND<50000	
3/16/2006	362.08	--	--	--	--	--	--	--	--	--	--	--	--	--	Station under construction
4/25/2006	362.08	12.80	0.00	349.28	--	--	3600	76	290	370	--	1.6	ND<10	ND<1000	
9/26/2006	362.08	14.25	0.00	347.83	-1.45	--	7800	120	36	740	--	ND<5.0	ND<100	ND<10000	
12/26/2006	362.08	14.88	0.00	347.20	-0.63	--	4400	180	68	96	--	2.0	ND<10	ND<1000	
MW-11	**(Screen Interval in feet: 5 - 30)**														
6/22/1990	--	--	--	--	--	--	--	30	5.2	ND	--	--	--	--	
7/25/1990	360.21	16.87	0.00	343.34	--	--	--	0.33	0.2	ND	--	--	--	--	
8/30/1990	360.21	16.65	0.00	343.56	0.22	--	--	ND	ND	ND	--	--	--	--	
10/4/1990	360.21	17.00	0.00	343.21	-0.35	--	--	ND	ND	ND	--	--	--	--	
1/8/1991	360.21	16.87	0.00	343.34	0.13	--	--	ND	ND	ND	--	--	--	--	
4/10/1991	360.21	16.07	0.00	344.14	0.80	--	--	ND	ND	ND	--	--	--	--	
7/18/1991	360.21	16.32	0.00	343.89	-0.25	--	--	ND	ND	ND	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-11 continued															
10/24/1991	360.21	16.92	0.00	343.29	-0.60	ND	--	1.7	2.6	1.1	--	--	--	--	
1/23/1992	360.21	17.60	0.00	342.61	-0.68	ND	--	ND	ND	ND	--	--	--	--	
4/24/1992	360.21	16.21	0.00	344.00	1.39	ND	--	0.94	0.9	0.6	--	--	--	--	
7/22/1992	360.21	16.21	0.00	344.00	0.00	ND	--	ND	0.7	ND	--	--	--	--	
11/3/1992	360.21	17.08	0.00	343.13	-0.87	ND	--	ND	ND	ND	--	--	--	--	
2/11/1993	360.21	14.73	0.00	345.48	2.35	ND	--	ND	ND	ND	--	--	--	--	
6/8/1993	360.41	13.84	0.00	346.57	1.09	ND	--	1.9	4.3	1.5	--	--	--	--	Resurveyed
10/19/1993	360.41	15.00	0.00	345.41	-1.16	--	--	--	--	--	--	--	--	--	
1/26/1994	360.41	15.06	0.00	345.35	-0.06	ND	--	ND	ND	ND	--	--	--	--	
5/26/1994	360.41	15.63	0.00	344.78	-0.57	--	--	--	--	--	--	--	--	--	
11/2/1994	360.41	16.40	0.00	344.01	-0.77	--	--	--	--	--	--	--	--	--	
3/4/1995	360.41	14.76	0.00	345.65	1.64	ND	--	ND	ND	ND	--	--	--	--	
5/23/1995	360.41	13.90	0.00	346.51	0.86	--	--	--	--	--	--	--	--	--	
8/8/1995	360.41	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/7/1995	360.41	15.26	0.00	345.15	--	--	--	--	--	--	--	--	--	--	
3/26/1996	360.41	15.43	0.00	344.98	-0.17	ND	--	ND	ND	ND	--	--	--	--	
5/9/1996	360.41	15.86	0.00	344.55	-0.43	ND	--	ND	ND	ND	31	--	--	--	
11/1/1996	360.41	16.54	0.00	343.87	-0.68	120	--	ND	ND	ND	110	--	--	--	
1/31/1997	360.41	14.84	0.00	345.57	1.70	120	--	ND	ND	ND	94	--	--	--	
4/29/1997	360.41	--	--	--	--	--	--	--	--	--	--	--	--	--	Car parked on well
7/16/1997	360.41	15.32	0.00	345.09	--	--	--	--	--	--	--	--	--	--	
10/14/1997	360.41	15.60	0.00	344.81	-0.28	84	--	ND	ND	ND	120	--	--	--	
1/29/1998	360.41	14.38	0.00	346.03	1.22	160	--	ND	ND	ND	170	--	--	--	
4/15/1998	360.41	11.70	0.00	348.71	2.68	--	--	--	--	--	--	--	--	--	Monitored Only

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-11 continued															
7/14/1998	360.41	12.68	0.00	347.73	-0.98	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/1998	360.41	13.41	0.00	347.00	-0.73	250	--	ND	ND	ND	340	--	--	--	Regauged on 12/9/98
1/5/1999	360.41	13.85	0.00	346.56	-0.44	--	--	--	--	--	--	--	--	--	Monitored Only
5/4/1999	360.41	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
7/27/1999	360.41	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
10/18/1999	360.41	13.40	0.00	347.01	--	--	--	--	--	--	--	--	--	--	Obstruction in well
1/4/2000	360.41	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
4/28/2000	360.41	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well at 13.97 ft.
7/25/2000	360.41	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
10/19/2000	360.41	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
1/8/2001	360.41	15.63	0.00	344.78	--	--	--	--	--	--	--	--	--	--	Monitored Only
5/16/2001	360.41	14.08	0.00	346.33	1.55	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	13	160	ND<150	
7/30/2001	360.41	14.41	0.00	346.00	-0.33	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	8.3	130	ND<2000	
12/6/2001	362.56	15.29	0.00	347.27	1.27	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	3.7	130	ND<2000	
2/19/2002	362.56	15.75	0.00	346.81	-0.46	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	2.9	65	ND<2000	
5/16/2002	362.56	16.20	0.00	346.36	-0.45	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	1.8	ND<50	ND<2000	
9/5/2002	362.56	16.22	0.00	346.34	-0.02	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	1.6	ND<50	ND<2000	
11/25/2002	362.56	16.11	0.00	346.45	0.11	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	1.7	ND<50	ND<1000	
3/20/2003	362.56	14.91	0.00	347.65	1.20	ND<50	--	0.54	ND<0.5	ND<0.5	--	2.7	ND<50	ND<1000	
5/28/2003	362.56	14.13	0.00	348.43	0.78	110	--	5.9	ND<0.5	ND<0.5	--	4.8	52	ND<1000	
8/27/2003	362.56	--	--	--	--	--	--	--	--	--	--	--	--	--	paved over
12/30/2003	362.56	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/16/2004	362.56	15.34	0.00	347.22	--	--	110	1.5	2.2	0.82	--	0.62	ND<12	ND<1000	
5/25/2004	362.56	15.78	0.00	346.78	-0.44	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	2.1	ND<12	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-11 continued															
8/25/2004	363.22	15.79	0.00	347.43	0.65	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	1.4	ND<12	ND<1000	
11/23/2004	363.22	15.09	0.00	348.13	0.70	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
2/22/2005	363.22	12.71	0.00	350.51	2.38	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
5/24/2005	363.22	12.12	0.00	351.10	0.59	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
8/2/2005	363.22	12.86	0.00	350.36	-0.74	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	0.64	ND<10	ND<1000	
12/1/2005	363.22	13.02	0.00	350.20	-0.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
3/16/2006	363.22	13.61	0.00	349.61	-0.59	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
4/25/2006	363.22	13.91	0.00	349.31	-0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
9/26/2006	363.22	15.29	0.00	347.93	-1.38	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	0.51	ND<10	ND<1000	
12/26/2006	363.22	15.93	0.00	347.29	-0.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	0.64	ND<10	ND<1000	
MW-12	**(Screen Interval in feet: DNA)**														
6/22/1990	--	--	--	--	--	--	--	8.9	41	87	--	--	--	--	
7/25/1990	360.55	17.04	0.00	343.51	--	--	--	15	0.69	ND	--	--	--	--	
8/30/1990	360.55	16.93	0.00	343.62	0.11	--	--	0.5	1.6	ND	--	--	--	--	
10/4/1990	360.55	17.22	0.00	343.33	-0.29	--	--	1.4	4.7	ND	--	--	--	--	
1/8/1991	360.55	17.01	0.00	343.54	0.21	--	--	3.0	4.2	ND	--	--	--	--	
4/10/1991	360.55	16.25	0.00	344.30	0.76	--	--	34	9.0	ND	--	--	--	--	
7/18/1991	360.55	16.51	0.00	344.04	-0.26	--	--	171	12.4	ND	--	--	--	--	
10/24/1991	360.55	17.10	0.00	343.45	-0.59	ND	--	203	4.6	1.1	--	--	--	--	
1/23/1992	360.55	18.82	0.00	341.73	-1.72	580	--	120	2.4	1.9	--	--	--	--	
4/24/1992	360.55	16.21	0.00	344.34	2.61	ND	--	51.8	3.2	0.92	--	--	--	--	
7/22/1992	360.55	16.41	0.00	344.14	-0.20	90	--	6.0	0.8	1.0	--	--	--	--	
11/3/1992	360.55	17.25	0.00	343.30	-0.84	ND	--	ND	ND	ND	--	--	--	--	
2/11/1993	360.55	14.78	0.00	345.77	2.47	510	--	4.8	15	6.0	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-12 continued															
6/8/1993	360.60	13.77	0.00	346.83	1.06	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/1993	360.60	15.06	0.00	345.54	-1.29	--	--	--	--	--	--	--	--	--	
1/26/1994	360.60	16.00	0.00	344.60	-0.94	--	--	--	--	--	--	--	--	--	
5/26/1994	360.60	15.92	0.00	344.68	0.08	140	--	13	0.8	5.0	--	--	--	--	
11/2/1994	360.60	16.48	0.00	344.12	-0.56	--	--	--	--	--	--	--	--	--	
3/4/1995	360.60	14.70	0.00	345.90	1.78	--	--	--	--	--	--	--	--	--	
5/23/1995	360.60	13.56	0.00	347.04	1.14	230	--	16	ND	14	--	--	--	--	
8/8/1995	360.60	14.29	0.00	346.31	-0.73	--	--	--	--	--	--	--	--	--	
11/7/1995	360.60	15.23	0.00	345.37	-0.94	--	--	--	--	--	--	--	--	--	
3/26/1996	360.60	--	--	--	--	--	--	--	--	--	--	--	--	--	
5/9/1996	360.60	15.63	0.00	344.97	--	ND	--	ND	ND	ND	ND	--	--	--	
11/1/1996	360.60	16.63	0.00	343.97	-1.00	ND	--	ND	ND	ND	ND	--	--	--	
1/31/1997	360.60	14.52	0.00	346.08	2.11	ND	--	0.6	ND	ND	16	--	--	--	
4/29/1997	360.60	14.72	0.00	345.88	-0.20	ND	--	ND	ND	ND	ND	--	--	--	
7/16/1997	360.60	15.36	0.00	345.24	-0.64	--	--	--	--	--	--	--	--	--	
10/14/1997	360.60	15.67	0.00	344.93	-0.31	84	--	0.88	4.9	ND	ND	--	--	--	
1/29/1998	360.60	14.30	0.00	346.30	1.37	ND	--	ND	0.77	ND	ND	--	--	--	
4/15/1998	360.60	11.51	0.00	349.09	2.79	ND	--	1.8	0.35	0.72	ND	--	--	--	
7/14/1998	360.60	12.58	0.00	348.02	-1.07	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/1998	360.60	13.91	0.00	346.69	-1.33	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
1/5/1999	360.60	14.14	0.00	346.46	-0.23	--	--	--	--	--	--	--	--	--	Monitored Only
5/4/1999	360.60	14.60	0.00	346.00	-0.46	ND	--	ND	ND	ND	ND	--	--	--	
7/27/1999	360.60	14.84	0.00	345.76	-0.24	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/1999	360.60	15.11	0.00	345.49	-0.27	--	--	--	--	--	--	--	--	--	Monitored Only

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-12 continued															
1/4/2000	360.60	15.46	0.00	345.14	-0.35	--	--	--	--	--	--	--	--	--	Monitored Only
4/28/2000	360.60	15.40	0.00	345.20	0.06	78	--	0.98	0.51	0.95	18	--	--	--	
7/25/2000	360.60	14.58	0.00	346.02	0.82	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/2000	360.60	15.65	0.00	344.95	-1.07	--	--	--	--	--	--	--	--	--	Monitored Only
1/8/2001	360.60	15.89	0.00	344.71	-0.24	--	--	--	--	--	--	--	--	--	Monitored Only
5/16/2001	360.60	14.01	0.00	346.59	1.88	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	5.1	ND<50	ND<150	
7/30/2001	360.60	14.38	0.00	346.22	-0.37	130	--	0.79	ND<0.50	ND<0.50	--	1.8	ND<50	ND<2000	
12/6/2001	362.76	15.26	0.00	347.50	1.28	200	--	0.62	ND<0.5	ND<0.5	--	1.8	ND<50	ND<2000	
2/19/2002	362.76	15.84	0.00	346.92	-0.58	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	7.1	ND<50	ND<2000	
5/16/2002	362.76	16.23	0.00	346.53	-0.39	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	8.5	ND<50	ND<2000	
9/5/2002	362.76	16.24	0.00	346.52	-0.01	110	--	ND<0.5	ND<0.5	ND<0.5	--	1.3	ND<50	ND<2000	
11/25/2002	362.76	16.09	0.00	346.67	0.15	140	--	ND<0.5	ND<0.5	ND<0.5	--	1.6	ND<50	ND<1000	
3/20/2003	362.76	14.81	0.00	347.95	1.28	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	3.2	ND<50	ND<1000	
5/28/2003	362.76	14.06	0.00	348.70	0.75	52	--	2.4	ND<0.5	ND<0.5	--	2.7	ND<12	ND<1000	
8/27/2003	362.76	--	--	--	--	--	--	--	--	--	--	--	--	--	paved over
12/30/2003	362.76	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/16/2004	362.76	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
5/25/2004	362.76	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
8/25/2004	362.76	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned
MW-13	**(Screen Interval in feet: 5 - 30)**														
6/22/1990	--	--	--	--	--	--	--	1800	6600	1400	--	--	--	--	
7/25/1990	360.65	16.86	0.00	343.79	--	--	--	23	31	3.7	--	--	--	--	
8/30/1990	360.65	18.05	1.50	343.73	-0.06	--	--	--	--	--	--	--	--	--	
10/4/1990	360.65	18.49	1.81	343.52	-0.21	--	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-13 continued															
1/8/1991	360.65	17.74	1.38	343.95	0.43	--	--	--	--	--	--	--	--	--	
4/10/1991	360.65	15.87	0.47	345.13	1.19	--	--	--	--	--	--	--	--	--	
7/18/1991	360.65	16.65	0.38	344.29	-0.85	--	--	--	--	--	--	--	--	--	
10/24/1991	360.65	16.83	0.04	343.85	-0.43	--	--	--	--	--	--	--	--	--	
1/23/1992	360.65	19.00	1.67	342.90	-0.95	--	--	--	--	--	--	--	--	--	
4/24/1992	360.65	15.52	0.11	345.21	2.31	--	--	--	--	--	--	--	--	--	
7/22/1992	360.65	16.02	0.04	344.66	-0.55	--	--	--	--	--	--	--	--	--	
11/3/1992	360.65	17.15	0.00	343.50	-1.16	110000	--	2100	4200	2900	--	--	--	--	
2/11/1993	360.65	14.31	0.00	346.34	2.84	16000	--	370	740	260	--	--	--	--	
6/8/1993	360.65	13.47	0.00	347.18	0.84	14000	--	550	650	410	--	--	--	--	
10/19/1993	360.65	14.78	0.00	345.87	-1.31	7300	--	420	250	260	--	--	--	--	
1/26/1994	360.65	15.85	0.00	344.80	-1.07	--	--	--	--	--	--	--	--	--	
5/26/1994	360.65	15.80	0.00	344.85	0.05	--	--	--	--	--	--	--	--	--	
11/2/1994	360.65	16.22	0.00	344.43	-0.42	--	--	--	--	--	--	--	--	--	
3/4/1995	360.65	14.42	0.00	346.23	1.80	16000	--	540	230	360	--	--	--	--	
5/23/1995	360.65	13.18	0.00	347.47	1.24	--	--	--	--	--	--	--	--	--	
8/8/1995	360.65	13.95	0.00	346.70	-0.77	--	--	--	--	--	--	--	--	--	
11/7/1995	360.65	13.68	0.00	346.97	0.27	--	--	--	--	--	--	--	--	--	
3/26/1996	360.65	15.15	0.00	345.50	-1.47	4300	--	7.1	28	49	--	--	--	--	
5/9/1996	360.65	15.43	0.00	345.22	-0.28	4000	--	330	86	120	ND	--	--	--	
11/1/1996	360.65	16.43	0.00	344.22	-1.00	9600	--	1000	360	330	190	--	--	--	
1/31/1997	360.65	14.10	0.00	346.55	2.33	1900	--	350	48	180	ND	--	--	--	
4/29/1997	360.65	14.75	0.00	345.90	-0.65	9100	--	1300	360	570	ND	--	--	--	
7/16/1997	360.65	15.25	0.00	345.40	-0.50	--	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-13 continued															
10/14/1997	360.65	15.57	0.00	345.08	-0.32	5100	--	670	40	360	ND	--	--	--	
1/29/1998	360.65	13.40	0.00	347.25	2.17	950	--	36	9.7	24	ND	--	--	--	
4/15/1998	360.65	11.06	0.00	349.59	2.34	--	--	--	--	--	--	--	--	--	Monitored Only
7/14/1998	360.65	11.98	0.00	348.67	-0.92	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/1998	360.65	13.60	0.00	347.05	-1.62	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
1/5/1999	360.65	13.96	0.00	346.69	-0.36	5900	--	890	51	920	ND	--	--	--	
5/4/1999	360.65	14.42	0.00	346.23	-0.46	--	--	--	--	--	--	--	--	--	Monitored Only
7/27/1999	360.65	14.63	0.00	346.02	-0.21	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/1999	360.65	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
1/4/2000	360.65	15.89	0.00	344.76	--	1400	--	100	3.6	95	ND<5.0	--	--	--	
4/28/2000	360.65	15.33	0.00	345.32	0.56	970	--	27	10	40	ND<5.0	--	--	--	
7/25/2000	360.65	15.23	0.00	345.42	0.10	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/2000	360.65	15.41	0.00	345.24	-0.18	--	--	--	--	--	--	--	--	--	Monitored Only
1/8/2001	360.65	15.78	0.00	344.87	-0.37	510	--	9.0	3.8	ND<1.5	ND<50	--	--	--	
5/16/2001	360.65	13.77	0.00	346.88	2.01	1800	--	77	27	190	--	ND<5.0	ND<50	ND<150	
7/30/2001	360.65	14.21	0.00	346.44	-0.44	1700	--	61	9.6	110	--	ND<0.50	ND<50	ND<2000	
12/6/2001	362.82	15.18	0.00	347.64	1.20	2600	--	100	11	110	--	ND<0.5	ND<50	ND<2000	
2/19/2002	362.82	15.77	0.00	347.05	-0.59	3600	--	120	15	120	--	ND<0.5	ND<50	ND<1000	
5/16/2002	362.82	16.13	0.00	346.69	-0.36	3700	--	120	13	84	--	ND<0.5	ND<50	ND<1000	
9/5/2002	362.82	16.13	0.00	346.69	0.00	2600	--	120	17	150	--	ND<0.5	ND<50	ND<1000	
11/25/2002	362.82	15.98	0.00	346.84	0.15	2100	--	100	11	110	--	ND<0.5	ND<50	ND<1000	
3/20/2003	362.82	14.36	0.00	348.46	1.62	3400	--	73	16	140	--	ND<0.5	ND<50	ND<1000	
5/28/2003	362.82	13.77	0.00	349.05	0.59	1700	--	50	23	120	--	ND<0.5	ND<12	ND<2000	
8/27/2003	362.82	--	--	--	--	--	--	--	--	--	--	--	--	--	paved over

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-13 continued															
12/30/2003	362.82	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/16/2004	362.82	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
5/25/2004	362.82	14.88	0.00	347.94	--	--	1500	12	2.5	36	--	ND<0.5	ND<12	--	
8/25/2004	362.82	14.87	0.00	347.95	0.01	910	1100	14	2.2	36	--	ND<0.5	ND<12	ND<1000	
11/23/2004	362.82	14.18	0.00	348.64	0.69	1000	1300	11	2.6	38	--	ND<0.5	ND<12	ND<1000	
2/22/2005	362.82	10.97	0.00	351.85	3.21	--	630	6.1	3.3	26	--	ND<0.50	ND<50	ND<1000	
5/24/2005	362.82	11.11	0.00	351.71	-0.14	--	910	32	26	59	--	15	ND<50	ND<1000	
8/2/2005	362.82	11.86	0.00	350.96	-0.75	--	240	7.0	7.6	8.9	--	ND<0.50	120	ND<1000	
12/1/2005	362.82	13.10	0.00	349.72	-1.24	--	1700	15	15	38	--	ND<0.50	ND<10	ND<1000	
3/16/2006	362.82	14.10	0.00	348.72	-1.00	--	140	6.2	6.3	4.9	--	ND<0.50	ND<10	ND<1000	
4/25/2006	362.82	12.92	0.00	349.90	1.18	--	56	0.82	ND<0.50	1.2	--	ND<0.50	ND<10	ND<1000	
9/26/2006	362.82	--	--	--	--	--	--	--	--	--	--	--	--	--	Area under construction
12/26/2006	362.82	15.62	0.00	347.20	--	--	--	--	--	--	--	--	--	--	Unable to access
MW-14	**(Screen Interval in feet: 5 - 30)**														
6/22/1990	--	--	--	--	--	--	--	110	97	14	--	--	--	--	
7/25/1990	358.48	16.33	0.00	342.15	--	--	--	4500	9400	1000	--	--	--	--	
8/30/1990	358.48	16.14	0.00	342.34	0.19	--	--	9860	20260	2000	--	--	--	--	
10/4/1990	358.48	16.63	1.56	343.02	0.68	--	--	--	--	--	--	--	--	--	
1/8/1991	358.48	16.22	1.22	343.18	0.15	--	--	--	--	--	--	--	--	--	
4/10/1991	358.48	14.85	0.44	343.96	0.78	--	--	--	--	--	--	--	--	--	
7/18/1991	358.48	14.78	0.19	343.84	-0.12	--	--	--	--	--	--	--	--	--	
10/24/1991	358.48	15.24	0.09	343.31	-0.53	--	--	--	--	--	--	--	--	--	
1/23/1992	358.48	17.10	1.50	342.51	-0.80	--	--	--	--	--	--	--	--	--	
4/24/1992	358.48	14.57	0.08	343.97	1.46	--	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-14 continued															
7/22/1992	358.48	14.73	0.06	343.80	-0.17	--	--	--	--	--	--	--	--	--	
11/3/1992	358.48	15.03	0.00	343.45	-0.35	43000	--	9600	13000	3300	--	--	--	--	
2/11/1993	358.48	13.15	0.00	345.33	1.88	64000	--	1700	3800	1000	--	--	--	--	
6/8/1993	358.70	12.33	0.00	346.37	1.04	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/1993	358.70	13.49	0.00	345.21	-1.16	--	--	--	--	--	--	--	--	--	
1/26/1994	358.70	14.43	0.00	344.27	-0.94	--	--	--	--	--	--	--	--	--	
5/26/1994	358.70	14.39	0.00	344.31	0.04	--	--	--	--	--	--	--	--	--	
11/2/1994	358.70	14.79	0.00	343.91	-0.40	38000	--	5100	3100	1800	--	--	--	--	
3/4/1995	358.70	13.32	0.00	345.38	1.47	--	--	--	--	--	--	--	--	--	
5/23/1995	358.70	12.18	0.00	346.52	1.14	--	--	--	--	--	--	--	--	--	
8/8/1995	358.70	12.79	0.00	345.91	-0.61	31000	--	3100	1200	1700	--	--	--	--	
11/7/1995	358.70	14.28	0.00	344.42	-1.49	--	--	--	--	--	--	--	--	--	
3/26/1996	358.70	13.95	0.00	344.75	0.33	--	--	--	--	--	--	--	--	--	
5/9/1996	358.70	14.05	0.00	344.65	-0.10	25000	--	5100	570	2100	350	--	--	--	
11/1/1996	358.70	14.34	0.00	344.36	-0.29	46000	--	9300	4100	2600	1100	--	--	--	
1/31/1997	358.70	12.40	0.00	346.30	1.94	8500	--	930	310	360	ND	--	--	--	
4/29/1997	358.70	12.54	0.00	346.16	-0.14	830	--	94	3.5	4.2	420	--	--	--	
7/16/1997	358.70	13.10	0.00	345.60	-0.56	--	--	--	--	--	--	--	--	--	
10/14/1997	358.70	13.45	0.00	345.25	-0.35	2200	--	120	2.6	140	1400	--	--	--	
1/29/1998	358.70	12.15	0.00	346.55	1.30	210	--	0.75	ND	ND	440	--	--	--	
4/15/1998	358.70	9.52	0.00	349.18	2.63	--	--	--	--	--	--	--	--	--	Monitored Only
7/14/1998	358.70	11.34	0.00	347.36	-1.82	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/1998	358.70	11.17	0.00	347.53	0.17	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
1/5/1999	358.70	11.88	0.00	346.82	-0.71	1800	--	120	ND	30	2600	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-14 continued															
5/4/1999	358.70	12.36	0.00	346.34	-0.48	--	--	--	--	--	--	--	--	--	Monitored Only
7/27/1999	358.70	12.68	0.00	346.02	-0.32	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/1999	358.70	11.84	0.00	346.86	0.84	--	--	--	--	--	--	--	--	--	Monitored Only
1/4/2000	358.70	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
4/28/2000	358.70	13.16	0.00	345.54	--	2800	--	130	5.8	15	1900	--	--	--	
7/25/2000	358.70	13.10	0.00	345.60	0.06	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/2000	358.70	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
1/8/2001	358.70	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
5/16/2001	358.70	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
7/30/2001	358.70	12.14	0.00	346.56	--	21000	--	1000	300	1100	--	4500	680	ND<10000	
12/6/2001	360.15	12.98	0.00	347.17	0.61	4900	--	540	58	520	--	2500	550	ND<2000	
2/19/2002	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
5/16/2002	360.15	13.95	0.00	346.20	--	9600	--	770	180	420	--	940	1400	ND<5000	
9/5/2002	360.15	14.06	0.00	346.09	-0.11	12000	--	950	130	1100	--	800	940	ND<5000	
11/25/2002	360.15	13.86	0.00	346.29	0.20	3700	--	400	22	410	--	230	1400	ND<5000	
3/20/2003	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
5/28/2003	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
8/27/2003	360.15	12.38	0.00	347.77	--	11000	--	740	200	940	--	130	ND<12	ND<1000	
12/30/2003	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
3/16/2004	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; Car over well
5/25/2004	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible car parked on well
8/25/2004	360.15	12.75	0.00	347.40	--	630	8200	410	110	410	--	16	ND<60	ND<5000	
11/23/2004	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Car Parked Over Well

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through December 2006

76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-14 continued															
2/22/2005	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
5/24/2005	360.15	9.43	0.00	350.72	--	--	100	16	1.8	7.6	--	7.9	ND<50	ND<1000	
8/2/2005	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
12/1/2005	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible-car parked over well
3/16/2006	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
4/25/2006	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	car over well
9/26/2006	360.15	12.53	0.00	347.62	--	--	1000	69	21	50	--	2.4	ND<10	ND<1000	
12/26/2006	360.15	--	--	--	--	--	--	--	--	--	--	--	--	--	Car over well
MW-15	**(Screen Interval in feet: 5 - 30)**														
6/22/1990	--	--	--	--	--	--	--	120	130	51	--	--	--	--	
7/25/1990	359.60	16.42	0.00	343.18	--	--	--	1.9	ND	ND	--	--	--	--	
8/30/1990	359.60	15.44	0.00	344.16	0.98	--	--	551	54.6	ND	--	--	--	--	
10/4/1990	359.60	16.00	0.00	343.60	-0.56	--	--	831	2.2	ND	--	--	--	--	
1/8/1991	359.60	15.50	0.00	344.10	0.50	--	--	138	ND	ND	--	--	--	--	
4/10/1991	359.60	14.86	0.00	344.74	0.64	--	--	81	11	ND	--	--	--	--	
7/18/1991	359.60	15.16	0.00	344.44	-0.30	--	--	898	27	37	--	--	--	--	
10/24/1991	359.60	15.52	0.00	344.08	-0.36	ND	--	164	7.3	8.8	--	--	--	--	
1/23/1992	359.60	17.63	0.00	341.97	-2.11	900	--	54	1.4	3.5	--	--	--	--	
4/24/1992	359.60	14.92	0.00	344.68	2.71	ND	--	85	2.2	3.6	--	--	--	--	
7/22/1992	359.60	15.24	0.00	344.36	-0.32	1700	--	270	23	20	--	--	--	--	
11/3/1992	359.60	16.04	0.00	343.56	-0.80	ND	--	ND	ND	ND	--	--	--	--	
2/11/1993	359.60	13.36	0.00	346.24	2.68	ND	--	ND	ND	ND	--	--	--	--	
6/8/1993	359.92	12.75	0.00	347.17	0.93	ND	--	1.6	1.9	1.3	--	--	--	--	Resurveyed

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-15 continued															
10/19/1993	359.92	14.03	0.00	345.89	-1.28	--	--	--	--	--	--	--	--	--	
1/26/1994	359.92	--	--	--	--	--	--	--	--	--	--	--	--	--	
5/26/1994	359.92	14.97	0.00	344.95	--	ND	--	0.5	1.4	ND	--	--	--	--	
11/2/1994	359.92	15.33	0.00	344.59	-0.36	--	--	--	--	--	--	--	--	--	
3/4/1995	359.92	13.67	0.00	346.25	1.66	--	--	--	--	--	--	--	--	--	
5/23/1995	359.92	12.44	0.00	347.48	1.23	270	--	1.5	ND	2.3	--	--	--	--	
8/8/1995	359.92	13.45	0.00	346.47	-1.01	--	--	--	--	--	--	--	--	--	
11/7/1995	359.92	14.28	0.00	345.64	-0.83	--	--	--	--	--	--	--	--	--	
3/26/1996	359.92	14.90	0.00	345.02	-0.62	--	--	--	--	--	--	--	--	--	
5/9/1996	359.92	14.86	0.00	345.06	0.04	ND	--	ND	ND	ND	ND	--	--	--	
11/1/1996	359.92	15.74	0.00	344.18	-0.88	240	--	0.9	2.3	ND	62	--	--	--	
1/31/1997	359.92	13.38	0.00	346.54	2.36	ND	--	ND	ND	ND	14	--	--	--	
4/29/1997	359.92	14.00	0.00	345.92	-0.62	ND	--	ND	ND	ND	ND	--	--	--	
7/16/1997	359.92	14.59	0.00	345.33	-0.59	--	--	--	--	--	--	--	--	--	
10/14/1997	359.92	14.90	0.00	345.02	-0.31	ND	--	ND	ND	ND	ND	--	--	--	
1/29/1998	359.92	12.50	0.00	347.42	2.40	ND	--	ND	ND	ND	5.7	--	--	--	
4/15/1998	359.92	10.41	0.00	349.51	2.09	--	--	--	--	--	--	--	--	--	Monitored Only
7/14/1998	359.92	11.53	0.00	348.39	-1.12	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/1998	359.92	12.93	0.00	346.99	-1.40	ND	--	ND	ND	ND	ND	--	--	--	Regauged on 12/9/98
1/5/1999	359.92	13.28	0.00	346.64	-0.35	--	--	--	--	--	--	--	--	--	Monitored Only
5/4/1999	359.92	13.75	0.00	346.17	-0.47	--	--	--	--	--	--	--	--	--	Monitored Only
7/27/1999	359.92	14.00	0.00	345.92	-0.25	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/1999	359.92	14.34	0.00	345.58	-0.34	ND	--	ND	ND	ND	ND	--	--	--	
1/4/2000	359.92	14.99	0.00	344.93	-0.65	--	--	--	--	--	--	--	--	--	Monitored Only

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-15 continued															
4/28/2000	359.92	14.64	0.00	345.28	0.35	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<5.0	--	--	--	
7/25/2000	359.92	14.52	0.00	345.40	0.12	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/2000	359.92	14.79	0.00	345.13	-0.27	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<10	--	--	--	
1/8/2001	359.92	15.04	0.00	344.88	-0.25	--	--	--	--	--	--	--	--	--	Monitored Only
5/16/2001	359.92	13.07	0.00	346.85	1.97	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	ND<5.0	ND<50	ND<150	
7/30/2001	359.92	13.48	0.00	346.44	-0.41	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<2000	
12/6/2001	362.13	14.47	0.00	347.66	1.22	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
2/19/2002	362.13	15.05	0.00	347.08	-0.58	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
5/16/2002	362.13	15.47	0.00	346.66	-0.42	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
9/5/2002	362.13	15.42	0.00	346.71	0.05	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
11/25/2002	362.13	15.24	0.00	346.89	0.18	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
3/20/2003	362.13	13.57	0.00	348.56	1.67	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
5/28/2003	362.13	13.07	0.00	349.06	0.50	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
8/27/2003	362.13	--	--	--	--	--	--	--	--	--	--	--	--	--	paved over
12/30/2003	362.13	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/16/2004	362.13	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
5/25/2004	362.13	14.45	0.00	347.68	--	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
8/25/2004	362.45	14.60	0.00	347.85	0.17	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
11/23/2004	362.45	13.79	0.00	348.66	0.81	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
2/22/2005	362.45	9.22	0.00	353.23	4.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
5/24/2005	362.45	10.66	0.00	351.79	-1.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
8/2/2005	362.45	11.30	0.00	351.15	-0.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/1/2005	362.45	12.65	0.00	349.80	-1.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
3/16/2006	362.45	13.02	0.00	349.43	-0.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-15 continued															
4/25/2006	362.45	12.45	0.00	350.00	0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
9/26/2006	362.45	13.42	0.00	349.03	-0.97	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/26/2006	362.45	14.28	0.00	348.17	-0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-16	**(Screen Interval in feet: 9 - 29)**														
10/24/1991	359.10	15.48	0.00	343.62	--	ND	--	1.1	1.3	ND	--	--	--	--	
1/23/1992	359.10	14.58	0.00	344.52	0.90	ND	--	1.1	1.6	1.1	--	--	--	--	
4/24/1992	359.10	11.06	0.00	348.04	3.52	ND	--	0.78	1.3	0.8	--	--	--	--	
7/22/1992	359.10	14.49	0.00	344.61	-3.43	ND	--	0.4	1.4	0.6	--	--	--	--	
11/3/1992	359.10	16.02	0.00	343.08	-1.53	ND	--	2.4	1.9	2.8	--	--	--	--	
2/11/1993	359.10	10.61	0.00	348.49	5.41	ND	--	ND	1.9	ND	--	--	--	--	
6/8/1993	359.39	11.80	0.00	347.59	-0.90	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/1993	359.39	13.75	0.00	345.64	-1.95	--	--	--	--	--	--	--	--	--	
1/26/1994	359.39	14.56	0.00	344.83	-0.81	ND	--	ND	ND	ND	--	--	--	--	
5/26/1994	359.39	14.12	0.00	345.27	0.44	--	--	--	--	--	--	--	--	--	
11/2/1994	359.39	15.27	0.00	344.12	-1.15	--	--	--	--	--	--	--	--	--	
3/4/1995	359.39	11.72	0.00	347.67	3.55	ND	--	ND	ND	ND	--	--	--	--	
5/23/1995	359.39	10.60	0.00	348.79	1.12	--	--	--	--	--	--	--	--	--	
8/8/1995	359.39	12.34	0.00	347.05	-1.74	--	--	--	--	--	--	--	--	--	
11/7/1995	359.39	13.59	0.00	345.80	-1.25	--	--	--	--	--	--	--	--	--	
3/26/1996	359.39	12.70	0.00	346.69	0.89	ND	--	0.83	ND	ND	--	--	--	--	
5/9/1996	359.39	13.90	0.00	345.49	-1.20	ND	--	ND	ND	ND	ND	--	--	--	
11/1/1996	359.39	15.96	0.00	343.43	-2.06	ND	--	ND	ND	ND	ND	--	--	--	
1/31/1997	359.39	11.12	0.00	348.27	4.84	ND	--	ND	ND	ND	ND	--	--	--	
4/29/1997	359.39	13.51	0.00	345.88	-2.39	ND	--	ND	ND	ND	ND	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-16 continued															
7/16/1997	359.39	12.31	0.00	347.08	1.20	ND	--	ND	ND	ND	ND	--	--	--	
10/14/1997	359.39	15.27	0.00	344.12	-2.96	ND	--	ND	ND	ND	ND	--	--	--	
1/29/1998	359.39	12.95	0.00	346.44	2.32	ND	--	ND	ND	ND	ND	--	--	--	
4/15/1998	359.39	9.27	0.00	350.12	3.68	--	--	--	--	--	--	--	--	--	Monitored Only
7/14/1998	359.39	11.46	0.00	347.93	-2.19	ND	--	ND	ND	ND	ND	--	--	--	
10/14/1998	359.39	12.43	0.00	346.96	-0.97	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
1/5/1999	359.39	12.76	0.00	346.63	-0.33	--	--	--	--	--	--	--	--	--	Monitored Only
5/4/1999	359.39	13.04	0.00	346.35	-0.28	--	--	--	--	--	--	--	--	--	Monitored Only
7/27/1999	359.39	13.95	0.00	345.44	-0.91	ND	--	ND	ND	ND	ND	--	--	--	
10/18/1999	359.39	14.41	0.00	344.98	-0.46	--	--	--	--	--	--	--	--	--	Monitored Only
1/4/2000	359.39	15.02	0.00	344.37	-0.61	--	--	--	--	--	--	--	--	--	Monitored Only
4/28/2000	359.39	13.79	0.00	345.60	1.23	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<5.0	--	--	--	
7/25/2000	359.39	13.35	0.00	346.04	0.44	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<10	--	--	--	
10/19/2000	359.39	14.61	0.00	344.78	-1.26	--	--	--	--	--	--	--	--	--	Monitored Only
1/8/2001	359.39	14.53	0.00	344.86	0.08	--	--	--	--	--	--	--	--	--	Monitored Only
5/16/2001	359.39	12.08	0.00	347.31	2.45	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	ND<5.0	ND<50	ND<150	
7/30/2001	359.39	12.96	0.00	346.43	-0.88	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<2000	
12/6/2001	361.54	13.73	0.00	347.81	1.38	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
2/19/2002	361.54	14.16	0.00	347.38	-0.43	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
5/16/2002	361.54	14.82	0.00	346.72	-0.66	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
9/5/2002	361.54	14.47	0.00	347.07	0.35	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
11/25/2002	361.54	13.77	0.00	347.77	0.70	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
3/20/2003	361.54	10.80	0.00	350.74	2.97	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
5/28/2003	361.54	12.07	0.00	349.47	-1.27	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-16 continued															
8/27/2003	361.54	13.07	0.00	348.47	-1.00	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
12/30/2003	361.54	12.96	0.00	348.58	0.11	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
3/16/2004	361.54	12.75	0.00	348.79	0.21	--	ND<50	ND<0.5	0.53	ND<0.5	--	ND<0.5	ND<12	ND<1000	
5/25/2004	361.54	13.69	0.00	347.85	-0.94	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
8/25/2004	361.54	14.07	0.00	347.47	-0.38	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
11/23/2004	361.54	12.00	0.00	349.54	2.07	--	ND<50	ND<0.5	1.0	ND<0.5	--	ND<0.5	ND<12	ND<1000	
2/22/2005	361.54	7.28	0.00	354.26	4.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
5/24/2005	361.54	9.50	0.00	352.04	-2.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
8/2/2005	361.54	10.70	0.00	350.84	-1.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/1/2005	361.54	11.52	0.00	350.02	-0.82	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
3/16/2006	361.54	12.55	0.00	348.99	-1.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
4/25/2006	361.54	11.35	0.00	350.19	1.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
9/26/2006	361.54	13.53	0.00	348.01	-2.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/26/2006	361.54	13.82	0.00	347.72	-0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-17	**(Screen Interval in feet: 9 - 29)**														
10/24/1991	358.39	15.24	0.00	343.15	--	11610	--	1950	230	882	--	--	--	--	
1/23/1992	358.39	16.28	0.90	342.79	-0.37	--	--	--	--	--	--	--	--	--	
4/24/1992	358.39	14.51	0.05	343.92	1.13	--	--	--	--	--	--	--	--	--	
7/22/1992	358.39	14.71	0.01	343.69	-0.23	--	--	--	--	--	--	--	--	--	
11/3/1992	358.39	15.35	0.00	343.04	-0.65	150000	--	4400	14000	4300	--	--	--	--	
2/11/1993	358.39	13.09	0.00	345.30	2.26	79000	--	1000	4400	850	--	--	--	--	
6/8/1993	358.64	12.30	0.00	346.34	1.04	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/1993	358.64	13.54	0.00	345.10	-1.24	--	--	--	--	--	--	--	--	--	
1/26/1994	358.64	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
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	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
P	**MW-17 continued**															
P	5/26/1994	358.64	14.37	0.00	344.27	--	51000	--	840	2700	2800	--	--	--	--	Pre-purge
	5/26/1994	358.64	14.37	0.00	344.27	--	42000	--	600	1900	2200	--	--	--	--	
	11/2/1994	358.64	14.84	0.00	343.80	-0.47	--	--	--	--	--	--	--	--	--	
	3/4/1995	358.64	13.25	0.00	345.39	1.59	--	--	--	--	--	--	--	--	--	
P	5/23/1995	358.64	12.19	0.00	346.45	1.06	22000	--	320	260	1700	--	--	--	--	Pre-purge
	5/23/1995	358.64	12.19	0.00	346.45	1.06	54000	--	430	990	3300	--	--	--	--	
	8/8/1995	358.64	13.81	0.00	344.83	-1.62	--	--	--	--	--	--	--	--	--	
	11/7/1995	358.64	13.67	0.00	344.97	0.14	--	--	--	--	--	--	--	--	--	
	3/26/1996	358.64	13.87	0.00	344.77	-0.20	--	--	--	--	--	--	--	--	--	
	5/9/1996	358.64	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
	11/1/1996	358.64	15.10	0.00	343.54	--	24000	--	220	360	2400	ND	--	--	--	
	1/31/1997	358.64	13.10	0.00	345.54	2.00	25000	--	170	190	2100	ND	--	--	--	
	4/29/1997	358.64	13.45	0.00	345.19	-0.35	12000	--	71	34	920	ND	--	--	--	
	7/16/1997	358.64	13.89	0.00	344.75	-0.44	--	--	--	--	--	--	--	--	--	
	10/14/1997	358.64	14.27	0.00	344.37	-0.38	16000	--	50	48	1800	ND	--	--	--	
	1/29/1998	358.64	13.00	0.00	345.64	1.27	12000	--	57	24	1200	ND	--	--	--	
	4/15/1998	358.64	10.48	0.00	348.16	2.52	--	--	--	--	--	--	--	--	--	Monitored Only
	7/14/1998	358.64	11.60	0.00	347.04	-1.12	--	--	--	--	--	--	--	--	--	Monitored Only
	10/14/1998	358.64	12.52	0.00	346.12	-0.92	140	--	1.7	0.34	0.45	ND	--	--	--	Regauged on 12/9/98
	1/5/1999	358.64	12.66	0.00	345.98	-0.14	--	--	--	--	--	--	--	--	--	Monitored Only
	5/4/1999	358.64	13.20	0.00	345.44	-0.54	--	--	--	--	--	--	--	--	--	Monitored Only
	7/27/1999	358.64	13.54	0.00	345.10	-0.34	--	--	--	--	--	--	--	--	--	Monitored Only
	10/18/1999	358.64	14.72	0.00	343.92	-1.18	5400	--	19	14	800	18	--	--	--	
	1/4/2000	358.64	15.60	0.00	343.04	-0.88	--	--	--	--	--	--	--	--	--	Monitored Only

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-17 continued															
4/28/2000	358.64	13.98	0.00	344.66	1.62	6000	--	22	18	830	26	--	--	--	
7/25/2000	358.64	13.80	0.00	344.84	0.18	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/2000	358.64	14.11	0.00	344.53	-0.31	3600	--	8.8	3.3	590	ND<100	--	--	--	
1/8/2001	358.64	14.24	0.00	344.40	-0.13	--	--	--	--	--	--	--	--	--	Monitored Only
5/16/2001	358.64	12.74	0.00	345.90	1.50	11000	--	ND<20	ND<20	1100	--	ND<50	ND<500	ND<1500	
7/30/2001	358.64	12.93	0.00	345.71	-0.19	7600	--	4.0	6.1	1300	--	ND<0.50	ND<50	ND<2000	
12/6/2001	360.81	13.75	0.00	347.06	1.35	4200	--	2.5	2.2	250	--	ND<0.5	ND<50	ND<2000	
2/19/2002	360.81	14.31	0.00	346.50	-0.56	12000	--	ND<5	ND<5	1200	--	ND<5	ND<500	ND<20000	
5/16/2002	360.81	14.70	0.00	346.11	-0.39	8600	--	ND<3	ND<3	870	--	ND<3	ND<300	ND<10000	
9/5/2002	360.81	14.79	0.00	346.02	-0.09	3900	--	2.1	2.5	960	--	ND<0.5	ND<50	ND<2000	
11/25/2002	360.81	14.58	0.00	346.23	0.21	6800	--	ND<3	ND<3	870	--	ND<3	ND<300	ND<5000	
3/20/2003	360.81	13.51	0.00	347.30	1.07	7300	--	ND<3	ND<3	760	--	ND<3	ND<300	ND<5000	
5/28/2003	360.81	12.88	0.00	347.93	0.63	9600	--	ND<5	ND<5	970	--	ND<5	ND<200	ND<10000	
8/27/2003	360.81	13.26	0.00	347.55	-0.38	--	6300	0.65	1.8	600	--	ND<0.5	ND<12	ND<1000	
12/30/2003	360.81	13.70	0.00	347.11	-0.44	--	11000	ND<0.5	0.88	530	--	ND<0.5	ND<12	ND<1000	
3/16/2004	360.81	13.42	0.00	347.39	0.28	--	7800	ND<5	ND<5	920	--	ND<5	ND<200	ND<10000	
5/25/2004	360.81	13.71	0.00	347.10	-0.29	--	13000	0.59	2.1	600	--	ND<0.5	ND<12	ND<1000	
8/25/2004	360.81	14.74	0.00	346.07	-1.03	--	2300	ND<0.5	0.53	73	--	ND<0.5	ND<12	ND<1000	
11/23/2004	360.81	13.13	0.00	347.68	1.61	--	4200	ND<0.5	1.1	130	--	ND<0.5	ND<12	ND<1000	
2/22/2005	360.81	9.77	0.00	351.04	3.36	--	300	ND<0.50	ND<0.50	0.87	--	ND<0.50	ND<50	ND<1000	
5/24/2005	360.81	10.38	0.00	350.43	-0.61	--	4100	ND<0.50	2.0	84	--	ND<0.50	ND<50	ND<1000	
8/2/2005	360.81	11.15	0.00	349.66	-0.77	--	470	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/1/2005	360.81	11.80	0.00	349.01	-0.65	--	410	ND<0.50	ND<0.50	2.4	--	ND<0.50	ND<10	ND<1000	
3/16/2006	360.81	12.74	0.00	348.07	-0.94	--	2900	ND<2.5	ND<2.5	59	--	ND<2.5	ND<50	ND<5000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-17 continued															
4/25/2006	360.81	12.03	0.00	348.78	0.71	--	2400	ND<0.50	0.54	38	--	ND<0.50	ND<10	ND<1000	
9/26/2006	360.81	13.36	0.00	347.45	-1.33	--	2200	0.54	0.52	59	--	ND<0.50	ND<10	ND<1000	
12/26/2006	360.81	13.83	0.00	346.98	-0.47	--	3100	ND<0.50	0.54	100	--	ND<0.50	ND<10	ND<1000	
MW-18	**(Screen Interval in feet: 9 - 29)**														
10/24/1991	358.84	17.65	1.94	342.64	--	--	--	--	--	--	--	--	--	--	
1/23/1992	358.84	18.38	2.14	342.07	-0.58	--	--	--	--	--	--	--	--	--	
4/24/1992	358.84	15.49	0.08	343.41	1.35	--	--	--	--	--	--	--	--	--	
7/22/1992	358.84	14.14	0.24	344.88	1.47	--	--	--	--	--	--	--	--	--	
11/3/1992	358.84	17.02	1.05	342.61	-2.27	--	--	--	--	--	--	--	--	--	
2/11/1993	358.84	13.36	0.01	345.49	2.88	--	--	--	--	--	--	--	--	--	
6/8/1993	359.09	13.31	<0.01	345.78	0.29	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/1993	359.09	14.40	0.09	344.76	-1.02	--	--	--	--	--	--	--	--	--	
1/26/1994	359.09	15.36	0.14	343.84	-0.92	--	--	--	--	--	--	--	--	--	
5/26/1994	359.09	15.19	<0.01	343.90	0.06	--	--	--	--	--	--	--	--	--	
11/2/1994	359.09	15.63	<0.01	343.46	-0.44	--	--	--	--	--	--	--	--	--	
3/4/1995	359.09	14.21	<0.01	344.88	1.42	33000	--	1700	3400	1200	--	--	--	--	
5/23/1995	359.09	13.18	0.00	345.91	1.03	--	--	--	--	--	--	--	--	--	
8/8/1995	359.09	13.68	0.00	345.41	-0.50	--	--	--	--	--	--	--	--	--	
11/7/1995	359.09	14.63	0.00	344.46	-0.95	--	--	--	--	--	--	--	--	--	
3/26/1996	359.09	14.87	0.00	344.22	-0.24	14000	--	1100	1300	550	--	--	--	--	
5/9/1996	359.09	14.80	0.00	344.29	0.07	52000	--	7100	7700	2200	ND	--	--	--	
11/1/1996	359.09	15.39	0.00	343.70	-0.59	110000	--	23000	35000	3600	ND	--	--	--	
1/31/1997	359.09	13.60	0.00	345.49	1.79	490	--	67	8.4	23	ND	--	--	--	
4/29/1997	359.09	13.80	0.00	345.29	-0.20	21000	--	1200	1300	860	ND	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-18 continued															
7/16/1997	359.09	14.15	0.00	344.94	-0.35	70000	--	8300	11000	1900	ND	--	--	--	
10/14/1997	359.09	14.40	0.00	344.69	-0.25	50000	--	8300	7800	1500	ND	--	--	--	
1/29/1998	359.09	13.40	0.00	345.69	1.00	1200	--	100	6.9	76	ND	--	--	--	
4/15/1998	359.09	11.10	0.00	347.99	2.30	1200	--	430	380	84	ND	--	--	--	
7/14/1998	359.09	11.76	0.00	347.33	-0.66	780	--	72	8.8	11	ND	--	--	--	
10/14/1998	359.09	12.80	0.00	346.29	-1.04	330	--	39	2.1	19	ND	--	--	--	Regauged on 12/9/98
1/5/1999	359.09	13.08	0.00	346.01	-0.28	380	--	88	0.85	31	ND	--	--	--	
5/4/1999	359.09	13.55	0.00	345.54	-0.47	5100	--	1900	11	360	ND	--	--	--	
7/27/1999	359.09	13.83	0.00	345.26	-0.28	260	--	84	0.85	32	ND	--	--	--	
10/18/1999	359.09	13.97	0.00	345.12	-0.14	8200	--	920	880	560	22	--	--	--	
1/4/2000	359.09	14.53	0.00	344.56	-0.56	12000	--	2200	340	910	ND<5.0	--	--	--	
4/28/2000	359.09	14.23	0.00	344.86	0.30	1200	--	290	1.6	140	ND<5.0	--	--	--	
7/25/2000	359.09	14.17	0.00	344.92	0.06	850	--	270	1.9	55	ND<50	--	--	--	
10/19/2000	359.09	11.37	0.00	347.72	2.80	990	--	310	ND<3.0	53	ND<100	--	--	--	
1/8/2001	359.09	14.58	0.00	344.51	-3.21	800	--	220	3.2	27	ND<100	--	--	--	
5/16/2001	359.09	13.11	0.00	345.98	1.47	330	--	60	ND<2.0	3.2	--	ND<5.0	ND<50	ND<150	
7/30/2001	359.09	13.32	0.00	345.77	-0.21	180	--	23	0.52	5.4	--	ND<0.50	ND<50	ND<2000	
12/6/2001	360.76	14.03	0.00	346.73	0.96	5100	--	480	16	280	--	ND<0.5	ND<50	ND<2000	
2/19/2002	360.76	14.57	0.00	346.19	-0.54	2600	--	410	11	170	--	ND<1	ND<100	ND<2000	
5/16/2002	360.76	14.95	0.00	345.81	-0.38	890	--	130	ND<0.5	11	--	ND<0.5	ND<50	ND<2000	
9/5/2002	360.76	15.10	0.00	345.66	-0.15	390	--	85	ND<0.5	9.8	--	ND<0.5	ND<50	ND<2000	
11/25/2002	360.76	14.88	0.00	345.88	0.22	850	--	59	10	28	--	ND<0.5	ND<50	ND<1000	
3/20/2003	360.76	13.96	0.00	346.80	0.92	100	--	2.5	ND<0.5	1.5	--	ND<0.5	ND<50	ND<1000	
5/28/2003	360.76	13.14	0.00	347.62	0.82	58	--	2.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1990 Through December 2006

76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-18 continued															
8/27/2003	360.76	13.67	0.00	347.09	-0.53	--	1600	350	2.0	55	--	ND<0.5	ND<12	ND<1000	
12/30/2003	360.76	14.11	0.00	346.65	-0.44	--	2300	230	1.4	56	--	1.0	ND<12	ND<1000	
3/16/2004	360.76	13.90	0.00	346.86	0.21	--	20000	3000	3400	680	--	ND<30	ND<600	ND<50000	
5/25/2004	360.76	14.10	0.00	346.66	-0.20	--	43000	4900	2500	1000	--	ND<30	ND<600	ND<50000	
8/25/2004	360.76	14.05	0.00	346.71	0.05	--	12000	4700	990	540	--	ND<20	ND<300	ND<30000	
11/23/2004	360.76	13.47	0.00	347.29	0.58	--	2400	630	9.5	170	--	ND<0.5	ND<12	ND<1000	
2/22/2005	360.76	10.65	0.00	350.11	2.82	--	1100	ND<0.50	8.8	42	--	ND<0.50	ND<50	ND<1000	
5/24/2005	360.76	10.94	0.00	349.82	-0.29	--	290	53	1.9	11	--	1.4	ND<50	ND<1000	
8/2/2005	360.76	11.62	0.00	349.14	-0.68	--	110	31	0.60	7.0	--	78	ND<10	ND<1000	
12/1/2005	360.76	12.81	0.00	347.95	-1.19	--	3600	1100	2.9	230	--	58	14	ND<1000	
3/16/2006	360.76	13.95	0.00	346.81	-1.14	--	380	100	ND<0.50	29	--	11	ND<10	ND<1000	
4/25/2006	360.76	12.43	0.00	348.33	1.52	--	280	84	ND<0.50	21	--	3.6	ND<10	ND<1000	
9/26/2006	360.76	13.67	0.00	347.09	-1.24	--	510	290	ND<0.50	4.0	--	2.9	ND<10	ND<1000	
12/26/2006	360.76	14.07	0.00	346.69	-0.40	--	5800	2400	170	180	--	11	ND<100	ND<10000	
MW-19	**(Screen Interval in feet: 9 - 29)**														
10/24/1991	357.76	14.79	0.00	342.97	--	ND	--	1.0	1.9	ND	--	--	--	--	
1/23/1992	357.76	15.74	0.00	342.02	-0.95	ND	--	ND	1.0	ND	--	--	--	--	
4/24/1992	357.76	14.41	0.00	343.35	1.33	ND	--	1.3	1.7	0.66	--	--	--	--	
7/22/1992	357.76	14.41	0.00	343.35	0.00	ND	--	1.3	0.9	ND	--	--	--	--	
11/3/1992	357.76	15.01	0.00	342.75	-0.60	ND	--	ND	ND	ND	--	--	--	--	
2/11/1993	357.76	12.85	0.00	344.91	2.16	ND	--	ND	ND	ND	--	--	--	--	
6/8/1993	357.96	11.86	0.00	346.10	1.19	--	--	--	--	--	--	--	--	--	Resurveyed
10/19/1993	357.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
1/26/1994	357.96	13.87	0.00	344.09	--	ND	--	ND	ND	ND	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-19 continued															
5/26/1994	357.96	13.80	0.00	344.16	0.07	--	--	--	--	--	--	--	--	--	
11/2/1994	357.96	14.27	0.00	343.69	-0.47	--	--	--	--	--	--	--	--	--	
3/4/1995	357.96	12.81	0.00	345.15	1.46	ND	--	1.0	4.0	ND	--	--	--	--	
5/23/1995	357.96	11.72	0.00	346.24	1.09	--	--	--	--	--	--	--	--	--	
8/8/1995	357.96	11.70	0.00	346.26	0.02	--	--	--	--	--	--	--	--	--	
11/7/1995	357.96	13.23	0.00	344.73	-1.53	--	--	--	--	--	--	--	--	--	
3/26/1996	357.96	13.37	0.00	344.59	-0.14	ND	--	ND	ND	ND	--	--	--	--	
5/9/1996	357.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
11/1/1996	357.96	14.46	0.00	343.50	--	170	--	1.3	1.5	2.5	6.4	--	--	--	
1/31/1997	357.96	13.95	0.00	344.01	0.51	ND	--	ND	ND	ND	ND	--	--	--	
4/29/1997	357.96	13.85	0.00	344.11	0.10	ND	--	ND	ND	ND	ND	--	--	--	
7/16/1997	357.96	13.21	0.00	344.75	0.64	--	--	--	--	--	--	--	--	--	
10/14/1997	357.96	13.48	0.00	344.48	-0.27	ND	--	ND	ND	ND	ND	--	--	--	
1/29/1998	357.96	12.40	0.00	345.56	1.08	ND	--	ND	ND	ND	ND	--	--	--	
4/15/1998	357.96	9.94	0.00	348.02	2.46	--	--	--	--	--	--	--	--	--	Monitored Only
7/14/1998	357.96	11.24	0.00	346.72	-1.30	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/1998	357.96	11.21	0.00	346.75	0.03	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
1/5/1999	357.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
5/4/1999	357.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
7/27/1999	357.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
10/18/1999	357.96	12.91	0.00	345.05	--	--	--	--	--	--	--	--	--	--	Monitored Only
1/4/2000	357.96	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
4/28/2000	357.96	13.29	0.00	344.67	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	13	--	--	--	
7/25/2000	357.96	13.20	0.00	344.76	0.09	--	--	--	--	--	--	--	--	--	Monitored Only

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-19 continued															
10/19/2000	357.96	13.44	0.00	344.52	-0.24	--	--	--	--	--	--	--	--	--	Monitored Only
1/8/2001	357.96	13.72	0.00	344.24	-0.28	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<10	--	--	--	
5/16/2001	357.96	12.05	0.00	345.91	1.67	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	15	ND<50	330	
7/30/2001	357.96	12.34	0.00	345.62	-0.29	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	14	ND<50	ND<2000	
12/6/2001	360.08	13.13	0.00	346.95	1.33	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	9.2	ND<50	ND<2000	
2/19/2002	360.08	13.62	0.00	346.46	-0.49	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	6.7	ND<50	ND<2000	
5/16/2002	360.08	14.03	0.00	346.05	-0.41	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	7.5	ND<50	ND<2000	
9/5/2002	360.08	14.10	0.00	345.98	-0.07	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	5.3	ND<50	ND<2000	
11/25/2002	360.08	13.95	0.00	346.13	0.15	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	7.7	ND<50	ND<1000	
3/20/2003	360.08	12.92	0.00	347.16	1.03	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	7.3	ND<50	ND<1000	
5/28/2003	360.08	12.10	0.00	347.98	0.82	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	5.5	ND<12	ND<1000	
8/27/2003	360.08	12.66	0.00	347.42	-0.56	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	4.6	ND<12	ND<1000	
12/30/2003	360.08	13.24	0.00	346.84	-0.58	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	4.2	ND<12	ND<1000	
3/16/2004	360.08	12.92	0.00	347.16	0.32	--	160	2.1	3.5	1.4	--	4.1	ND<12	ND<1000	
5/25/2004	360.08	13.09	0.00	346.99	-0.17	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	2.2	ND<12	ND<1000	
8/25/2004	360.08	13.10	0.00	346.98	-0.01	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	1.6	ND<12	ND<1000	
11/23/2004	360.08	12.44	0.00	347.64	0.66	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	0.74	ND<12	ND<1000	
2/22/2005	360.08	9.46	0.00	350.62	2.98	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	3.3	ND<50	ND<1000	
5/24/2005	360.08	9.71	0.00	350.37	-0.25	--	200	ND<0.50	ND<0.50	ND<0.50	--	22	ND<50	ND<1000	
8/2/2005	360.08	10.55	0.00	349.53	-0.84	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	11	ND<10	ND<1000	
12/1/2005	360.08	11.25	0.00	348.83	-0.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	2.1	ND<10	ND<1000	
3/16/2006	360.08	12.79	0.00	347.29	-1.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	2.5	ND<10	ND<1000	
4/25/2006	360.08	11.40	0.00	348.68	1.39	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	1.2	ND<10	ND<1000	
9/26/2006	360.08	12.66	0.00	347.42	-1.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	1.2	ND<10	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-19 continued															
12/26/2006	360.08	13.27	0.00	346.81	-0.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	1.1	ND<10	ND<1000	
MW-20	**(Screen Interval in feet: 10 - 30)**														
6/8/1993	358.85	13.03	0.00	345.82	--	4600	--	500	390	260	--	--	--	--	
10/19/1993	358.85	14.06	0.00	344.79	-1.03	--	--	--	--	--	--	--	--	--	
1/26/1994	358.85	14.98	0.00	343.87	-0.92	2200	--	160	56	100	--	--	--	--	
5/26/1994	358.85	14.93	0.00	343.92	0.05	--	--	--	--	--	--	--	--	--	
11/2/1994	358.85	15.40	0.00	343.45	-0.47	--	--	--	--	--	--	--	--	--	
3/4/1995	358.85	13.98	0.00	344.87	1.42	2800	--	310	130	120	--	--	--	--	
5/23/1995	358.85	12.92	0.00	345.93	1.06	--	--	--	--	--	--	--	--	--	
8/8/1995	358.85	13.51	0.00	345.34	-0.59	--	--	--	--	--	--	--	--	--	
11/7/1995	358.85	14.38	0.00	344.47	-0.87	2000	--	230	31	57	--	--	--	--	
3/26/1996	358.85	14.55	0.00	344.30	-0.17	--	--	--	--	--	--	--	--	--	
5/9/1996	358.85	14.55	0.00	344.30	0.00	1800	--	210	2.9	63	590	--	--	--	
11/1/1996	358.85	15.20	0.00	343.65	-0.65	1500	--	140	7.7	47	920	--	--	--	
1/31/1997	358.85	13.36	0.00	345.49	1.84	3300	--	640	30	240	800	--	--	--	
4/29/1997	358.85	13.62	0.00	345.23	-0.26	4400	--	840	62	320	770	--	--	--	
7/16/1997	358.85	12.95	0.00	345.90	0.67	2600	--	380	41	130	680	--	--	--	
10/14/1997	358.85	14.21	0.00	344.64	-1.26	4100	--	650	180	260	640	--	--	--	
1/29/1998	358.85	12.23	0.00	346.62	1.98	1600	--	190	17	66	470	--	--	--	
4/15/1998	358.85	10.55	0.00	348.30	1.68	--	--	--	--	--	--	--	--	--	Monitored Only
7/14/1998	358.85	9.69	0.00	349.16	0.86	790	--	19	ND	0.38	680	--	--	--	
10/14/1998	358.85	12.71	0.00	346.14	-3.02	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
1/5/1999	358.85	12.91	0.00	345.94	-0.20	--	--	--	--	--	--	--	--	--	Monitored Only
5/4/1999	358.85	13.25	0.00	345.60	-0.34	--	--	--	--	--	--	--	--	--	Monitored Only

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-20 continued															
7/27/1999	358.85	13.62	0.00	345.23	-0.37	1200	--	27	2.0	7.6	1000	--	--	--	
10/18/1999	358.85	13.80	0.00	345.05	-0.18	--	--	--	--	--	--	--	--	--	Monitored Only
1/4/2000	358.85	14.40	0.00	344.45	-0.60	--	--	--	--	--	--	--	--	--	Monitored Only
4/28/2000	358.85	14.40	0.00	344.45	0.00	1900	--	37	1.9	3.8	1200	--	--	--	
7/25/2000	358.85	13.98	0.00	344.87	0.42	1800	--	560	ND<6.0	74	1300	--	--	--	
10/19/2000	358.85	14.18	0.00	344.67	-0.20	--	--	--	--	--	--	--	--	--	Monitored Only
1/8/2001	358.85	14.31	0.00	344.54	-0.13	--	--	--	--	--	--	--	--	--	Monitored Only
5/16/2001	358.85	12.88	0.00	345.97	1.43	1700	--	160	ND<100	ND<100	--	3400	ND<2500	ND<7500	
7/30/2001	358.85	13.13	0.00	345.72	-0.25	8100	--	190	28	99	--	4000	1900	ND<10000	
12/6/2001	360.58	13.53	0.00	347.05	1.33	6000	--	370	31	180	--	4500	2900	ND<2000	
2/19/2002	360.58	14.42	0.00	346.16	-0.89	5100	--	170	14	86	--	4500	6100	ND<5000	
5/16/2002	360.58	14.73	0.00	345.85	-0.31	4100	--	130	19	61	--	4700	2600	ND<20000	
9/5/2002	360.58	14.83	0.00	345.75	-0.10	1900	--	340	25	160	--	160	11000	ND<20000	
11/25/2002	360.58	14.70	0.00	345.88	0.13	1600	--	220	17	110	--	40	6500	ND<1000	
3/20/2003	360.58	13.78	0.00	346.80	0.92	1700	--	220	46	98	--	44	6900	ND<1000	
5/28/2003	360.58	12.93	0.00	347.65	0.85	1300	--	200	38	96	--	48	7100	ND<2000	
8/27/2003	360.58	13.45	0.00	347.13	-0.52	1000	--	200	19	77	--	31	5600	ND<1000	
12/30/2003	360.58	13.85	0.00	346.73	-0.40	--	2100	280	28	120	--	38	6400	ND<1000	
3/16/2004	360.58	13.62	0.00	346.96	0.23	--	2300	200	110	170	--	61	3600	ND<1000	
5/25/2004	360.58	13.82	0.00	346.76	-0.20	--	2100	170	23	150	--	54	3500	--	
8/25/2004	360.58	13.74	0.00	346.84	0.08	1600	1200	180	21	74	--	28	2900	ND<1000	
11/23/2004	360.58	13.20	0.00	347.38	0.54	1100	1300	82	27	61	--	19	3600	ND<2000	
2/22/2005	360.58	10.38	0.00	350.20	2.82	--	1100	100	26	52	--	38	2700	ND<1000	
5/24/2005	360.58	10.75	0.00	349.83	-0.37	--	730	13	14	44	--	ND<0.50	ND<50	ND<1000	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-20 continued															
8/2/2005	360.58	11.61	0.00	348.97	-0.86	--	190	2.2	ND<0.50	0.71	--	10	1700	ND<1000	
12/1/2005	360.58	12.10	0.00	348.48	-0.49	--	280	18	4.9	9.6	--	5.5	1200	ND<1000	
3/16/2006	360.58	12.78	0.00	347.80	-0.68	--	120	ND<0.50	ND<0.50	ND<0.50	--	3.4	720	ND<1000	
4/25/2006	360.58	12.20	0.00	348.38	0.58	--	170	11	3.3	6.0	--	5.0	790	ND<1000	
9/26/2006	360.58	13.40	0.00	347.18	-1.20	--	150	16	4.8	2.7	--	2.9	950	ND<1000	
12/26/2006	360.58	13.87	0.00	346.71	-0.47	--	200	6.4	ND<0.50	ND<0.50	--	1.7	810	ND<1000	
MW-21	**(Screen Interval in feet: 10 - 30)**														
6/8/1993	358.87	13.18	0.00	345.69	--	11000	--	2100	1300	800	--	--	--	--	
10/19/1993	358.87	14.17	0.00	344.70	-0.99	3700	--	510	680	310	--	--	--	--	
1/26/1994	358.87	15.08	0.00	343.79	-0.91	--	--	--	--	--	--	--	--	--	
5/26/1994	358.87	15.05	0.00	343.82	0.03	--	--	--	--	--	--	--	--	--	
11/2/1994	358.87	15.52	0.00	343.35	-0.47	--	--	--	--	--	--	--	--	--	
3/4/1995	358.87	14.07	0.00	344.80	1.45	11000	--	1500	720	1100	--	--	--	--	
5/23/1995	358.87	13.08	0.00	345.79	0.99	--	--	--	--	--	--	--	--	--	
8/8/1995	358.87	13.65	0.00	345.22	-0.57	9200	--	1100	460	740	--	--	--	--	
11/7/1995	358.87	14.22	0.00	344.65	-0.57	--	--	--	--	--	--	--	--	--	
3/26/1996	358.87	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
5/9/1996	358.87	14.83	0.00	344.04	--	--	--	--	--	--	--	--	--	--	Obstruction in well
11/1/1996	358.87	15.28	0.00	343.59	-0.45	320	--	7.7	ND	3.8	ND	--	--	--	
1/31/1997	358.87	13.51	0.00	345.36	1.77	440	--	84	ND	5.6	ND	--	--	--	
4/29/1997	358.87	13.71	0.00	345.16	-0.20	480	--	100	ND	55	ND	--	--	--	
7/16/1997	358.87	12.35	0.00	346.52	1.36	--	--	--	--	--	--	--	--	--	
10/14/1997	358.87	13.27	0.00	345.60	-0.92	ND	--	ND	ND	ND	ND	--	--	--	
1/29/1998	358.87	13.30	0.00	345.57	-0.03	ND	--	ND	ND	ND	ND	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-21 continued															
4/15/1998	358.87	10.81	0.00	348.06	2.49	--	--	--	--	--	--	--	--	--	Monitored Only
7/14/1998	358.87	10.94	0.00	347.93	-0.13	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/1998	358.87	11.15	0.00	347.72	-0.21	8000	--	2500	1.7	920	30	--	--	--	Regauged on 12/9/98
1/5/1999	358.87	11.50	0.00	347.37	-0.35	--	--	--	--	--	--	--	--	--	Monitored Only
5/4/1999	358.87	13.44	0.00	345.43	-1.94	--	--	--	--	--	--	--	--	--	Monitored Only
7/27/1999	358.87	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
10/18/1999	358.87	13.89	0.00	344.98	--	92	--	4.8	ND	2.5	6.4	--	--	--	
1/4/2000	358.87	14.10	0.00	344.77	-0.21	--	--	--	--	--	--	--	--	--	Monitored Only
4/28/2000	358.87	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well at 11.85 ft.
7/25/2000	358.87	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in well
10/19/2000	358.87	14.28	0.00	344.59	--	830	--	340	ND<3.0	10	ND<100	--	--	--	
1/8/2001	358.87	14.49	0.00	344.38	-0.21	--	--	--	--	--	--	--	--	--	Monitored Only
5/16/2001	358.87	13.02	0.00	345.85	1.47	6300	--	1100	ND<40	550	--	ND<100	ND<1000	ND<3000	
7/30/2001	358.87	13.27	0.00	345.60	-0.25	6300	--	990	16	500	--	26	ND<300	ND<10000	
12/6/2001	360.58	13.68	0.00	346.90	1.30	6000	--	1100	2.3	410	--	30	ND<50	ND<2000	
2/19/2002	360.58	14.06	0.00	346.52	-0.38	3300	--	550	1.4	210	--	27	ND<50	ND<1000	
5/16/2002	360.58	14.80	0.00	345.78	-0.74	1400	--	320	0.98	150	--	22	ND<50	ND<1000	
9/5/2002	360.58	14.94	0.00	345.64	-0.14	1400	--	290	ND<0.5	200	--	27	ND<50	ND<1000	
11/25/2002	360.58	14.77	0.00	345.81	0.17	790	--	130	ND<0.5	85	--	25	ND<50	ND<1000	
3/20/2003	360.58	13.95	0.00	346.63	0.82	1800	--	320	9.2	160	--	31	ND<50	ND<1000	
5/28/2003	360.58	13.05	0.00	347.53	0.90	3400	--	860	6.0	370	--	43	77	ND<2000	
8/27/2003	360.58	13.58	0.00	347.00	-0.53	3400	--	890	2.6	360	--	51	ND<12	ND<1000	
12/30/2003	360.58	16.71	0.00	343.87	-3.13	--	1800	420	0.93	160	--	26	ND<12	ND<1000	
3/16/2004	360.58	13.80	0.00	346.78	2.91	--	2300	590	6.6	270	--	32	ND<12	ND<1000	

Table 2
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-21 continued															
5/25/2004	360.58	13.94	0.00	346.64	-0.14	--	2900	620	2.1	220	--	43	29	--	
8/25/2004	360.58	13.86	0.00	346.72	0.08	160	1600	760	1.4	250	--	42	46	ND<1000	
11/23/2004	360.58	12.98	0.00	347.60	0.88	4500	4800	1000	ND<30	370	--	47	ND<600	ND<100000	
2/22/2005	360.58	10.67	0.00	349.91	2.31	--	8900	1200	38	590	--	67	ND<2500	ND<50000	
5/24/2005	360.58	10.90	0.00	349.68	-0.23	--	990	170	19	78	--	81	ND<50	ND<1000	
8/2/2005	360.58	11.65	0.00	348.93	-0.75	--	ND<500	100	14	39	--	83	1000	ND<10000	
12/1/2005	360.58	12.25	0.00	348.33	-0.60	--	3500	870	6.0	300	--	39	540	ND<1000	
3/16/2006	360.58	13.02	0.00	347.56	-0.77	--	ND<50	0.89	ND<0.50	ND<0.50	--	52	170	ND<1000	
4/25/2006	360.58	--	--	--	--	--	--	--	--	--	--	--	--	--	car over well
9/26/2006	360.58	13.51	0.00	347.07	--	--	110	13	10	1.9	--	20	ND<10	ND<1000	
12/26/2006	360.58	13.97	0.00	346.61	-0.46	--	87	13	ND<0.50	1.4	--	9.4	ND<10	ND<1000	
MW-22	**(Screen Interval in feet: 10 - 25)**														
6/8/1993	359.01	12.51	0.00	346.50	--	10000	--	420	410	430	--	--	--	--	
10/19/1993	359.01	13.72	0.00	345.29	-1.21	5400	--	370	130	370	--	--	--	--	
1/26/1994	359.01	14.68	0.00	344.33	-0.96	--	--	--	--	--	--	--	--	--	
5/26/1994	359.01	14.57	0.00	344.44	0.11	--	--	--	--	--	--	--	--	--	
11/2/1994	359.01	14.88	0.00	344.13	-0.31	--	--	--	--	--	--	--	--	--	
3/4/1995	359.01	13.45	0.00	345.56	1.43	4000	--	160	21	290	--	--	--	--	
5/23/1995	359.01	12.32	0.00	346.69	1.13	--	--	--	--	--	--	--	--	--	
8/8/1995	359.01	12.93	0.00	346.08	-0.61	--	--	--	--	--	--	--	--	--	
11/7/1995	359.01	13.79	0.00	345.22	-0.86	--	--	--	--	--	--	--	--	--	
3/26/1996	359.01	14.10	0.00	344.91	-0.31	1500	--	35	5.7	140	--	--	--	--	
5/9/1996	359.01	14.00	0.00	345.01	0.10	330	--	7.4	ND	19	ND	--	--	--	
11/1/1996	359.01	15.23	0.00	343.78	-1.23	ND	--	1.1	ND	3.4	5.8	--	--	--	

Table 2
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June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-22 continued															
1/31/1997	359.01	13.30	0.00	345.71	1.93	290	--	2.7	ND	13	ND	--	--	--	
4/29/1997	359.01	13.55	0.00	345.46	-0.25	ND	--	ND	ND	2.6	ND	--	--	--	
7/16/1997	359.01	14.08	0.00	344.93	-0.53	--	--	--	--	--	--	--	--	--	
10/14/1997	359.01	14.45	0.00	344.56	-0.37	210	--	ND	2.2	0.31	ND	--	--	--	
1/29/1998	359.01	13.10	0.00	345.91	1.35	54	--	ND	1.1	ND	ND	--	--	--	
4/15/1998	359.01	9.35	0.00	349.66	3.75	ND	--	ND	ND	ND	ND	--	--	--	
7/14/1998	359.01	11.40	0.00	347.61	-2.05	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/1998	359.01	12.63	0.00	346.38	-1.23	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
1/5/1999	359.01	12.84	0.00	346.17	-0.21	--	--	--	--	--	--	--	--	--	Monitored Only
5/4/1999	359.01	13.33	0.00	345.68	-0.49	ND	--	ND	ND	ND	ND	--	--	--	
7/27/1999	359.01	13.67	0.00	345.34	-0.34	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/1999	359.01	13.85	0.00	345.16	-0.18	--	--	--	--	--	--	--	--	--	Monitored Only
1/4/2000	359.01	14.39	0.00	344.62	-0.54	--	--	--	--	--	--	--	--	--	Monitored Only
4/28/2000	359.01	14.13	0.00	344.88	0.26	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<5.0	--	--	--	
7/25/2000	359.01	13.90	0.00	345.11	0.23	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/2000	359.01	14.30	0.00	344.71	-0.40	--	--	--	--	--	--	--	--	--	Monitored Only
1/8/2001	359.01	14.38	0.00	344.63	-0.08	--	--	--	--	--	--	--	--	--	Monitored Only
5/16/2001	359.01	12.86	0.00	346.15	1.52	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	ND<5.0	ND<50	ND<150	
7/30/2001	359.01	13.02	0.00	345.99	-0.16	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<2000	
12/6/2001	361.16	13.89	0.00	347.27	1.28	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
2/19/2002	361.16	14.45	0.00	346.71	-0.56	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
5/16/2002	361.16	14.82	0.00	346.34	-0.37	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
9/5/2002	361.16	14.94	0.00	346.22	-0.12	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
11/25/2002	361.16	14.70	0.00	346.46	0.24	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-22 continued															
3/20/2003	361.16	13.47	0.00	347.69	1.23	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
5/28/2003	361.16	12.85	0.00	348.31	0.62	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
8/27/2003	361.16	13.24	0.00	347.92	-0.39	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
12/30/2003	361.16	13.68	0.00	347.48	-0.44	--	60	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
3/16/2004	361.16	13.45	0.00	347.71	0.23	--	ND<50	0.50	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
5/25/2004	361.16	13.79	0.00	347.37	-0.34	--	67	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
8/25/2004	361.16	13.82	0.00	347.34	-0.03	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
11/23/2004	361.16	13.20	0.00	347.96	0.62	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
2/22/2005	361.16	9.90	0.00	351.26	3.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
5/24/2005	361.16	10.33	0.00	350.83	-0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
8/2/2005	361.16	11.75	0.00	349.41	-1.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/1/2005	361.16	12.18	0.00	348.98	-0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
3/16/2006	361.16	12.61	0.00	348.55	-0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
4/25/2006	361.16	12.05	0.00	349.11	0.56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
9/26/2006	361.16	13.48	0.00	347.68	-1.43	--	88	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/26/2006	361.16	13.98	0.00	347.18	-0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-23	**(Screen Interval in feet: 10 - 25)**														
11/2/1994	356.08	13.25	0.00	342.83	--	11000	--	410	650	400	--	--	--	--	
P 3/4/1995	356.08	11.68	0.00	344.40	1.57	8400	--	1600	9.0	690	--	--	--	--	Pre-purge
3/4/1995	356.08	11.68	0.00	344.40	1.57	4900	--	280	200	260	--	--	--	--	
5/23/1995	356.08	10.72	0.00	345.36	0.96	--	--	--	--	--	--	--	--	--	
8/8/1995	356.08	11.27	0.00	344.81	-0.55	--	--	--	--	--	--	--	--	--	
11/7/1995	356.08	--	--	--	--	--	--	--	--	--	--	--	--	--	
3/26/1996	356.08	6.85	0.00	349.23	--	630	--	32	18	35	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-23 continued															
5/9/1996	356.08	12.32	0.00	343.76	-5.47	290	--	15	4.4	11	150	--	--	--	
11/1/1996	356.08	13.27	0.00	342.81	-0.95	390	--	28	1.4	5.2	230	--	--	--	
1/31/1997	356.08	11.45	0.00	344.63	1.82	330	--	24	ND	5.2	170	--	--	--	
4/29/1997	356.08	11.90	0.00	344.18	-0.45	320	--	22	ND	2.4	200	--	--	--	
7/16/1997	356.08	12.10	0.00	343.98	-0.20	--	--	--	--	--	--	--	--	--	
10/14/1997	356.08	12.23	0.00	343.85	-0.13	510	--	46	0.46	2.3	390	--	--	--	
1/29/1998	356.08	11.30	0.00	344.78	0.93	380	--	29	ND	2.4	410	--	--	--	
4/15/1998	356.08	9.57	0.00	346.51	1.73	--	--	--	--	--	--	--	--	--	Monitored Only
7/14/1998	356.08	9.66	0.00	346.42	-0.09	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/1998	356.08	10.88	0.00	345.20	-1.22	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
1/5/1999	356.08	11.06	0.00	345.02	-0.18	540	--	19	0.67	1.0	900	--	--	--	
5/4/1999	356.08	11.42	0.00	344.66	-0.36	--	--	--	--	--	--	--	--	--	Monitored Only
7/27/1999	356.08	11.67	0.00	344.41	-0.25	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/1999	356.08	11.83	0.00	344.25	-0.16	--	--	--	--	--	--	--	--	--	Monitored Only
1/4/2000	356.08	12.41	0.00	343.67	-0.58	490	--	8.6	0.44	0.65	560	--	--	--	
4/28/2000	356.08	12.07	0.00	344.01	0.34	730	--	4.0	ND<0.30	0.46	510	--	--	--	
7/25/2000	356.08	12.03	0.00	344.05	0.04	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/2000	356.08	12.30	0.00	343.78	-0.27	--	--	--	--	--	--	--	--	--	Monitored Only
1/8/2001	356.08	12.47	0.00	343.61	-0.17	59	--	1.4	ND<0.30	0.65	530	--	--	--	
5/16/2001	356.08	10.88	0.00	345.20	1.59	ND<50	--	ND<10	ND<10	ND<10	--	580	ND<250	ND<750	
7/30/2001	356.08	11.21	0.00	344.87	-0.33	770	--	6.7	ND<0.50	1.5	--	770	ND<50	ND<2000	
12/6/2001	358.23	11.91	0.00	346.32	1.45	740	--	4.6	ND<0.5	0.94	--	830	400	ND<2000	
2/19/2002	358.23	12.52	0.00	345.71	-0.61	980	--	ND<0.5	ND<0.5	ND<0.5	--	580	ND<50	ND<2000	
5/16/2002	358.23	12.74	0.00	345.49	-0.22	670	--	ND<0.5	ND<0.5	ND<0.5	--	820	ND<50	ND<2000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-23 continued															
9/5/2002	358.23	12.90	0.00	345.33	-0.16	920	--	9.8	ND<0.5	3.4	--	1200	ND<50	ND<2000	
11/25/2002	358.23	12.70	0.00	345.53	0.20	570	--	5.6	ND<3	ND<3	--	880	ND<300	ND<5000	
3/20/2003	358.23	11.71	0.00	346.52	0.99	810	--	ND<3	ND<3	ND<3	--	890	ND<300	ND<5000	
5/28/2003	358.23	11.52	0.00	346.71	0.19	960	--	ND<0.5	ND<0.5	ND<0.5	--	960	430	ND<1000	
8/27/2003	358.23	11.56	0.00	346.67	-0.04	--	100	6.4	ND<0.5	2.3	--	320	320	ND<1000	
12/30/2003	358.23	11.88	0.00	346.35	-0.32	--	100	ND<0.5	ND<0.5	ND<0.5	--	83	280	ND<1000	
3/16/2004	358.23	11.70	0.00	346.53	0.18	--	89	ND<0.5	0.70	ND<0.5	--	86	ND<12	ND<1000	
5/25/2004	358.23	11.88	0.00	346.35	-0.18	--	79	ND<0.5	ND<0.5	0.51	--	38	ND<12	ND<1000	
8/25/2004	358.23	11.90	0.00	346.33	-0.02	--	100	3.2	ND<0.5	0.84	--	25	260	ND<1000	
11/23/2004	358.23	11.30	0.00	346.93	0.60	--	99	2.1	ND<0.5	0.58	--	16	520	ND<1000	
2/22/2005	358.23	9.58	0.00	348.65	1.72	--	57	ND<0.50	ND<0.50	ND<0.5	--	14	ND<50	ND<1000	
5/24/2005	358.23	8.91	0.00	349.32	0.67	--	340	ND<0.50	ND<0.50	ND<0.50	--	380	ND<50	ND<1000	
8/2/2005	358.23	9.85	0.00	348.38	-0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	8.4	150	ND<1000	
12/1/2005	358.23	10.28	0.00	347.95	-0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	10	430	ND<1000	
3/16/2006	358.23	10.82	0.00	347.41	-0.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	10	ND<10	ND<1000	
4/25/2006	358.23	9.47	0.00	348.76	1.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	3.8	ND<10	ND<1000	
9/26/2006	358.23	11.41	0.00	346.82	-1.94	--	57	0.77	ND<0.50	ND<0.50	--	7.2	630	ND<1000	
12/26/2006	358.23	11.88	0.00	346.35	-0.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	4.8	120	ND<1000	
MW-24	**(Screen Interval in feet: 10 - 20)**														
11/2/1994	354.58	12.40	0.00	342.18	--	ND	--	ND	1.2	ND	--	--	--	--	
3/4/1995	354.58	11.15	0.00	343.43	1.25	ND	--	2.2	1.8	2.1	--	--	--	--	
5/23/1995	354.58	10.37	0.00	344.21	0.78	--	--	--	--	--	--	--	--	--	
8/8/1995	354.58	10.91	0.00	343.67	-0.54	--	--	--	--	--	--	--	--	--	
11/7/1995	354.58	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-24 continued															
3/26/1996	354.58	11.50	0.00	343.08	--	ND	--	ND	ND	ND	--	--	--	--	
5/9/1996	354.58	11.76	0.00	342.82	-0.26	ND	--	ND	ND	ND	15	--	--	--	
11/1/1996	354.58	12.60	0.00	341.98	-0.84	ND	--	ND	ND	ND	20	--	--	--	
1/31/1997	354.58	10.75	0.00	343.83	1.85	ND	--	ND	2.0	ND	23	--	--	--	
4/29/1997	354.58	13.33	0.00	341.25	-2.58	ND	--	ND	ND	ND	23	--	--	--	
7/16/1997	354.58	11.63	0.00	342.95	1.70	--	--	--	--	--	--	--	--	--	
10/14/1997	354.58	11.54	0.00	343.04	0.09	ND	--	ND	ND	ND	ND	--	--	--	
1/29/1998	354.58	10.90	0.00	343.68	0.64	ND	--	ND	ND	ND	ND	--	--	--	
4/15/1998	354.58	8.90	0.00	345.68	2.00	ND	--	ND	ND	ND	ND	--	--	--	
7/14/1998	354.58	9.68	0.00	344.90	-0.78	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/1998	354.58	10.42	0.00	344.16	-0.74	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
1/5/1999	354.58	10.69	0.00	343.89	-0.27	--	--	--	--	--	--	--	--	--	Monitored Only
5/4/1999	354.58	11.14	0.00	343.44	-0.45	ND	--	ND	ND	ND	ND	--	--	--	
7/27/1999	354.58	11.22	0.00	343.36	-0.08	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/1999	354.58	11.33	0.00	343.25	-0.11	--	--	--	--	--	--	--	--	--	Monitored Only
1/4/2000	354.58	11.72	0.00	342.86	-0.39	--	--	--	--	--	--	--	--	--	Monitored Only
4/28/2000	354.58	11.53	0.00	343.05	0.19	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<5.0	--	--	--	
7/25/2000	354.58	11.46	0.00	343.12	0.07	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/2000	354.58	11.72	0.00	342.86	-0.26	--	--	--	--	--	--	--	--	--	Monitored Only
1/8/2001	354.58	11.98	0.00	342.60	-0.26	--	--	--	--	--	--	--	--	--	Monitored Only
5/16/2001	354.58	10.70	0.00	343.88	1.28	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	ND<5.0	ND<50	ND<150	
7/30/2001	354.58	10.73	0.00	343.85	-0.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	2.4	ND<50	ND<2000	
12/6/2001	356.75	11.32	0.00	345.43	1.58	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	1.3	ND<50	ND<2000	
2/19/2002	356.75	11.95	0.00	344.80	-0.63	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	30	ND<50	ND<2000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-24 continued															
5/16/2002	356.75	11.99	0.00	344.76	-0.04	90	--	ND<0.5	ND<0.5	ND<0.5	--	85	ND<50	ND<2000	
9/5/2002	356.75	12.32	0.00	344.43	-0.33	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	8.6	ND<50	ND<2000	
11/25/2002	356.75	12.07	0.00	344.68	0.25	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	49	ND<50	ND<1000	
3/20/2003	356.75	11.01	0.00	345.74	1.06	140	--	ND<0.5	ND<0.5	ND<0.5	--	140	ND<50	ND<1000	
5/28/2003	356.75	10.62	0.00	346.13	0.39	180	--	ND<0.5	ND<0.5	ND<0.5	--	190	ND<12	ND<1000	
8/27/2003	356.75	11.20	0.00	345.55	-0.58	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	98	ND<12	ND<1000	
12/30/2003	356.75	11.45	0.00	345.30	-0.25	--	54	ND<0.5	ND<0.5	ND<0.5	--	20	ND<12	ND<1000	
3/16/2004	356.75	11.14	0.00	345.61	0.31	--	120	ND<0.5	ND<0.5	ND<0.5	--	200	ND<12	ND<1000	
5/25/2004	356.75	11.42	0.00	345.33	-0.28	--	210	ND<0.5	ND<0.5	ND<0.5	--	180	ND<12	ND<1000	
8/25/2004	356.75	11.38	0.00	345.37	0.04	--	100	ND<0.5	ND<0.5	ND<0.5	--	220	ND<12	ND<1000	
11/23/2004	356.75	10.65	0.00	346.10	0.73	--	200	ND<0.5	ND<0.5	ND<0.5	--	270	ND<12	ND<1000	
2/22/2005	356.75	8.60	0.00	348.15	2.05	--	210	ND<0.50	ND<0.50	ND<0.50	--	370	ND<50	ND<1000	
5/24/2005	356.75	8.74	0.00	348.01	-0.14	--	75	ND<0.50	ND<0.50	ND<0.50	--	7.8	ND<50	ND<1000	
8/2/2005	356.75	9.40	0.00	347.35	-0.66	--	61	ND<0.50	ND<0.50	ND<0.50	--	500	ND<10	ND<1000	
12/1/2005	356.75	10.12	0.00	346.63	-0.72	--	190	ND<0.50	ND<0.50	ND<0.50	--	380	ND<10	ND<1000	
3/16/2006	356.75	10.80	0.00	345.95	-0.68	--	160	ND<0.50	ND<0.50	ND<0.50	--	240	ND<10	ND<1000	
4/25/2006	356.75	9.95	0.00	346.80	0.85	--	130	ND<0.50	ND<0.50	ND<0.50	--	320	ND<10	ND<1000	
9/26/2006	356.75	11.86	0.00	344.89	-1.91	--	54	ND<0.50	ND<0.50	ND<0.50	--	110	ND<10	ND<1000	
12/26/2006	356.75	11.35	0.00	345.40	0.51	--	130	ND<0.50	ND<0.50	ND<0.50	--	250	23	ND<1000	
MW-25	**(Screen Interval in feet: 10 - 20)**														
11/2/1994	354.46	12.10	0.00	342.36	--	ND	--	ND	ND	1.8	--	--	--	--	
3/4/1995	354.46	10.27	0.00	344.19	1.83	ND	--	ND	ND	ND	--	--	--	--	
5/23/1995	354.46	9.89	0.00	344.57	0.38	--	--	--	--	--	--	--	--	--	
8/8/1995	354.46	10.62	0.00	343.84	-0.73	--	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-25 continued															
11/7/1995	354.46	--	--	--	--	--	--	--	--	--	--	--	--	--	
3/26/1996	354.46	11.15	0.00	343.31	--	ND	--	ND	ND	ND	--	--	--	--	
5/9/1996	354.46	11.41	0.00	343.05	-0.26	ND	--	ND	ND	ND	ND	--	--	--	
11/1/1996	354.46	12.27	0.00	342.19	-0.86	ND	--	ND	ND	ND	ND	--	--	--	
1/31/1997	354.46	9.74	0.00	344.72	2.53	ND	--	ND	ND	ND	ND	--	--	--	
4/29/1997	354.46	10.92	0.00	343.54	-1.18	ND	--	ND	ND	ND	ND	--	--	--	
7/16/1997	354.46	11.35	0.00	343.11	-0.43	--	--	--	--	--	--	--	--	--	
10/14/1997	354.46	11.34	0.00	343.12	0.01	ND	--	ND	ND	ND	ND	--	--	--	
1/29/1998	354.46	10.50	0.00	343.96	0.84	ND	--	ND	ND	ND	ND	--	--	--	
4/15/1998	354.46	8.80	0.00	345.66	1.70	--	--	--	--	--	--	--	--	--	Monitored Only
7/14/1998	354.46	9.02	0.00	345.44	-0.22	--	--	--	--	--	--	--	--	--	Monitored Only
10/14/1998	354.46	9.78	0.00	344.68	-0.76	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
1/5/1999	354.46	10.32	0.00	344.14	-0.54	ND	--	ND	ND	ND	ND	--	--	--	
5/4/1999	354.46	10.89	0.00	343.57	-0.57	--	--	--	--	--	--	--	--	--	Monitored Only
7/27/1999	354.46	10.83	0.00	343.63	0.06	--	--	--	--	--	--	--	--	--	Monitored Only
10/18/1999	354.46	11.10	0.00	343.36	-0.27	--	--	--	--	--	--	--	--	--	Monitored Only
1/4/2000	354.46	11.57	0.00	342.89	-0.47	ND< 50	--	ND< 0.30	ND< 0.30	ND< 0.30	19	--	--	--	
4/28/2000	354.46	11.21	0.00	343.25	0.36	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<5.0	--	--	--	
7/25/2000	354.46	10.90	0.00	343.56	0.31	--	--	--	--	--	--	--	--	--	Monitored Only
10/19/2000	354.46	11.34	0.00	343.12	-0.44	--	--	--	--	--	--	--	--	--	Monitored Only
1/8/2001	354.46	11.71	0.00	342.75	-0.37	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<10	--	--	--	
5/16/2001	354.46	10.56	0.00	343.90	1.15	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	ND<5.0	ND<50	ND<150	
7/30/2001	354.46	10.14	0.00	344.32	0.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<2000	
12/6/2001	356.60	10.93	0.00	345.67	1.35	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-25 continued															
2/19/2002	356.60	11.84	0.00	344.76	-0.91	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
5/16/2002	356.60	11.80	0.00	344.80	0.04	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
9/5/2002	356.60	12.73	0.00	343.87	-0.93	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
11/25/2002	356.60	11.80	0.00	344.80	0.93	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
3/20/2003	356.60	10.62	0.00	345.98	1.18	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
5/28/2003	356.60	10.45	0.00	346.15	0.17	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<2000	
8/27/2003	356.60	11.13	0.00	345.47	-0.68	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
12/30/2003	356.60	11.59	0.00	345.01	-0.46	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
3/16/2004	356.60	10.85	0.00	345.75	0.74	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
5/25/2004	356.60	11.33	0.00	345.27	-0.48	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	--	
8/25/2004	356.60	11.15	0.00	345.45	0.18	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
11/23/2004	356.60	10.48	0.00	346.12	0.67	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<2000	
2/22/2005	356.60	6.85	0.00	349.75	3.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
5/24/2005	356.60	8.73	0.00	347.87	-1.88	--	230	11	14	19	--	ND<0.50	ND<50	ND<1000	
8/2/2005	356.60	9.53	0.00	347.07	-0.80	--	59	3.9	10	7.0	--	ND<0.50	ND<10	ND<1000	
12/1/2005	356.60	9.92	0.00	346.68	-0.39	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
3/16/2006	356.60	10.88	0.00	345.72	-0.96	--	60	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
4/25/2006	356.60	10.25	0.00	346.35	0.63	--	ND<50	ND<0.50	ND<0.50	0.68	--	ND<0.50	ND<10	ND<1000	
9/26/2006	356.60	11.00	0.00	345.60	-0.75	--	69	11	11	1.4	--	ND<0.50	ND<10	ND<1000	
12/26/2006	356.60	11.35	0.00	345.25	-0.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-26	**(Screen Interval in feet: 12 - 27)**														
11/2/1994	358.75	15.15	0.00	343.60	--	ND	--	ND	3.6	1.0	--	--	--	--	
3/4/1995	358.75	13.75	0.00	345.00	1.40	380	--	ND	ND	1.0	--	--	--	--	
5/23/1995	358.75	12.83	0.00	345.92	0.92	--	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-26 continued															
8/8/1995	358.75	13.40	0.00	345.35	-0.57	--	--	--	--	--	--	--	--	--	
11/7/1995	358.75	14.19	0.00	344.56	-0.79	ND	--	ND	ND	ND	--	--	--	--	
3/26/1996	358.75	14.40	0.00	344.35	-0.21	--	--	--	--	--	--	--	--	--	
5/9/1996	358.75	14.45	0.00	344.30	-0.05	ND	--	ND	ND	ND	ND	--	--	--	
11/1/1996	358.75	15.53	0.00	343.22	-1.08	ND	--	ND	1.2	ND	5.2	--	--	--	
1/31/1997	358.75	13.79	0.00	344.96	1.74	ND	--	ND	ND	ND	ND	--	--	--	
4/29/1997	358.75	13.92	0.00	344.83	-0.13	ND	--	ND	ND	ND	ND	--	--	--	
7/16/1997	358.75	14.40	0.00	344.35	-0.48	ND	--	ND	ND	ND	ND	--	--	--	
10/14/1997	358.75	14.62	0.00	344.13	-0.22	ND	--	ND	ND	ND	ND	--	--	--	
1/29/1998	358.75	13.57	0.00	345.18	1.05	ND	--	ND	ND	ND	ND	--	--	--	
4/15/1998	358.75	11.39	0.00	347.36	2.18	--	--	--	--	--	--	--	--	--	Monitored Only
7/14/1998	358.75	11.88	0.00	346.87	-0.49	ND	--	ND	ND	ND	ND	--	--	--	
10/14/1998	358.75	13.04	0.00	345.71	-1.16	--	--	--	--	--	--	--	--	--	Gauged on 12/9/98
1/5/1999	358.75	13.24	0.00	345.51	-0.20	--	--	--	--	--	--	--	--	--	Monitored Only
5/4/1999	358.75	13.75	0.00	345.00	-0.51	--	--	--	--	--	--	--	--	--	Monitored Only
7/27/1999	358.75	14.02	0.00	344.73	-0.27	ND	--	ND	ND	ND	ND	--	--	--	
10/18/1999	358.75	14.11	0.00	344.64	-0.09	--	--	--	--	--	--	--	--	--	Monitored Only
1/4/2000	358.75	14.61	0.00	344.14	-0.50	--	--	--	--	--	--	--	--	--	Monitored Only
4/28/2000	358.75	14.43	0.00	344.32	0.18	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<5.0	--	--	--	
7/25/2000	358.75	14.96	0.00	343.79	-0.53	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<10	--	--	--	
10/19/2000	358.75	14.56	0.00	344.19	0.40	--	--	--	--	--	--	--	--	--	Monitored Only
1/8/2001	358.75	14.71	0.00	344.04	-0.15	--	--	--	--	--	--	--	--	--	Monitored Only
5/16/2001	358.75	13.32	0.00	345.43	1.39	ND<50	--	ND<2.0	ND<2.0	ND<2.0	--	ND<5.0	ND<50	ND<150	
7/30/2001	358.75	13.51	0.00	345.24	-0.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<2000	

Table 2
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June 1990 Through December 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-26 continued															
12/6/2001	360.90	14.22	0.00	346.68	1.44	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
2/19/2002	360.90	14.76	0.00	346.14	-0.54	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
5/16/2002	360.90	14.80	0.00	346.10	-0.04	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
9/5/2002	360.90	15.24	0.00	345.66	-0.44	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<2000	
11/25/2002	360.90	15.06	0.00	345.84	0.18	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
3/20/2003	360.90	14.25	0.00	346.65	0.81	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<50	ND<1000	
5/28/2003	360.90	13.33	0.00	347.57	0.92	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
8/27/2003	360.90	13.88	0.00	347.02	-0.55	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
12/30/2003	360.90	14.40	0.00	346.50	-0.52	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
3/16/2004	360.90	14.12	0.00	346.78	0.28	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
5/25/2004	360.90	14.28	0.00	346.62	-0.16	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
8/25/2004	360.90	14.26	0.00	346.64	0.02	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
11/23/2004	360.90	13.69	0.00	347.21	0.57	--	ND<50	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<12	ND<1000	
2/22/2005	360.90	10.73	0.00	350.17	2.96	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
5/24/2005	360.90	11.27	0.00	349.63	-0.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
8/2/2005	360.90	11.92	0.00	348.98	-0.65	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/1/2005	360.90	12.45	0.00	348.45	-0.53	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
3/16/2006	360.90	13.90	0.00	347.00	-1.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
4/25/2006	360.90	12.75	0.00	348.15	1.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
9/26/2006	360.90	13.82	0.00	347.08	-1.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
12/26/2006	360.90	14.25	0.00	346.65	-0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
MW-27	**(Screen Interval in feet: 5 - 25)**														
12/6/2001	361.06	14.34	0.00	346.72	--	53000	--	6800	5400	1700	--	540	100	ND<2000	
2/19/2002	361.06	14.92	0.00	346.14	-0.58	56000	--	5900	8200	1400	--	420	ND<2000	ND<50000	

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-27 continued															
5/16/2002	361.06	15.25	0.00	345.81	-0.33	43000	--	3800	5900	770	--	470	ND<2000	ND<50000	
9/5/2002	361.06	15.40	0.00	345.66	-0.15	16000	--	2500	780	960	--	650	ND<500	ND<20000	
11/25/2002	361.06	15.20	0.00	345.86	0.20	16000	--	2800	390	1000	--	910	ND<1000	ND<20000	
3/20/2003	361.06	14.26	0.00	346.80	0.94	14000	--	1300	75	390	--	1100	ND<300	ND<5000	
5/28/2003	361.06	13.45	0.00	347.61	0.81	15000	--	1200	89	500	--	1800	660	ND<20000	
8/27/2003	361.06	13.99	0.00	347.07	-0.54	--	12000	1500	33	830	--	890	ND<120	ND<10000	
12/30/2003	361.06	14.50	0.00	346.56	-0.51	--	10000	1200	31	500	--	240	530	ND<1000	
3/16/2004	361.06	14.51	0.00	346.55	-0.01	--	5600	1300	24	280	--	47	ND<200	ND<10000	
5/25/2004	361.06	14.39	0.00	346.67	0.12	--	18000	2900	ND<30	980	--	86	ND<600	ND<50000	
8/25/2004	361.06	14.36	0.00	346.70	0.03	--	1600	80	1.1	390	--	40	290	ND<1000	
11/23/2004	361.06	13.75	0.00	347.31	0.61	--	1600	98	1.6	220	--	16	670	ND<1000	
2/22/2005	361.06	10.95	0.00	350.11	2.80	--	270	6.4	ND<0.50	1.8	--	6.3	210	ND<1000	
5/24/2005	361.06	11.25	0.00	349.81	-0.30	--	2500	880	2.2	190	--	80	ND<50	ND<1000	
8/2/2005	361.06	11.97	0.00	349.09	-0.72	--	1200	670	ND<5.0	210	--	240	770	ND<10000	
12/1/2005	361.06	12.57	0.00	348.49	-0.60	--	850	160	0.55	23	--	480	51	ND<1000	
3/16/2006	361.06	13.26	0.00	347.80	-0.69	--	260	61	ND<0.50	1.8	--	60	210	ND<1000	
4/25/2006	361.06	12.75	0.00	348.31	0.51	--	670	270	ND<2.5	15	--	120	550	ND<5000	
9/26/2006	361.06	13.91	0.00	347.15	-1.16	--	1100	380	0.93	29	--	22	870	ND<1000	
12/26/2006	361.06	14.41	0.00	346.65	-0.50	--	1600	640	ND<2.5	27	--	27	420	ND<5000	
MW-28	**(Screen Interval in feet: 5 - 25)**														
12/6/2001	361.26	14.28	0.00	346.98	--	5600	--	61	1.2	710	--	ND<1	ND<100	ND<2000	
2/19/2002	361.26	14.87	0.00	346.39	-0.59	2400	--	14	3.3	680	--	ND<1	ND<100	ND<2000	
5/16/2002	361.26	15.23	0.00	346.03	-0.36	8900	--	12	3.8	570	--	ND<1	ND<100	ND<2000	
9/5/2002	361.26	15.37	0.00	345.89	-0.14	770	--	7.6	0.57	90	--	ND<0.5	ND<50	ND<2000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Comments
MW-28 continued															
11/25/2002	361.26	15.15	0.00	346.11	0.22	2100	--	21	2.0	320	--	ND<0.5	ND<50	ND<1000	
3/20/2003	361.26	14.71	0.00	346.55	0.44	2200	--	8.0	3.3	600	--	ND<1	ND<100	ND<2000	
5/28/2003	361.26	13.36	0.00	347.90	1.35	2000	--	6.1	ND<5	560	--	ND<5	ND<200	ND<10000	
8/27/2003	361.26	13.91	0.00	347.35	-0.55	--	700	25	1.3	26	--	ND<0.5	ND<12	ND<1000	
12/30/2003	361.26	14.32	0.00	346.94	-0.41	--	1500	19	1.6	50	--	ND<0.5	ND<12	ND<1000	
3/16/2004	361.26	14.08	0.00	347.18	0.24	--	880	6.3	3.6	76	--	ND<0.5	ND<12	ND<1000	
5/25/2004	361.26	14.38	0.00	346.88	-0.30	--	1200	4.0	1.1	35	--	ND<0.5	ND<12	ND<1000	
8/25/2004	361.26	14.31	0.00	346.95	0.07	--	630	19	1.6	22	--	ND<0.5	ND<12	ND<1000	
11/23/2004	361.26	13.74	0.00	347.52	0.57	--	1100	21	2.1	27	--	ND<0.5	ND<12	ND<1000	
2/22/2005	361.26	10.72	0.00	350.54	3.02	--	630	1.9	0.96	23	--	ND<0.50	ND<50	ND<1000	
5/24/2005	361.26	11.13	0.00	350.13	-0.41	--	700	0.65	ND<0.50	ND<0.50	--	ND<0.50	ND<50	ND<1000	
8/2/2005	361.26	12.05	0.00	349.21	-0.92	--	220	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	86	ND<1000	
12/1/2005	361.26	12.46	0.00	348.80	-0.41	--	160	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<1000	
3/16/2006	361.26	13.43	0.00	347.83	-0.97	--	400	ND<0.50	0.62	7.4	--	ND<0.50	ND<10	ND<1000	
4/25/2006	361.26	12.70	0.00	348.56	0.73	--	370	ND<0.50	0.92	9.8	--	ND<0.50	ND<10	ND<1000	
9/26/2006	361.26	13.95	0.00	347.31	-1.25	--	520	0.58	1.9	46	--	ND<0.50	ND<10	ND<1000	
12/26/2006	361.26	14.39	0.00	346.87	-0.44	--	580	0.68	2.4	36	--	ND<0.50	ND<10	ND<1000	
V-16	**(Screen Interval in feet: DNA)**														
6/8/1993	359.91	13.39	0.00	346.52	--	--	--	--	--	--	--	--	--	--	
10/19/1993	359.91	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
V-17	**(Screen Interval in feet: DNA)**														
6/8/1993	360.53	13.98	0.00	346.55	--	--	--	--	--	--	--	--	--	--	
10/19/1993	360.53	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1990 Through December 2006
76 Station 5408

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	MTBE (8021B)	MTBE (8260B)	TBA	Ethanol (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
V-17 continued															
1/26/1994	360.53	14.45	0.00	346.08	--	--	--	--	--	--	--	--	--	--	

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-2															
6/22/1990	2400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/1990	14000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/30/1990	6260	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/4/1990	8250	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/8/1991	5850	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/10/1991	7220	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/18/1991	2960	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/24/1991	2340	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/2/1994	3400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/8/1995	2300	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	1400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/5/1999	8.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/4/2000	80	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	310	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/8/2001	190	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	1500	ND<50	ND<50	ND<50	--	--	--	ND<0.55	7.0	--	--	--	--	--	--
7/30/2001	1100	ND<5.0	ND<5.0	ND<5.0	--	--	--	ND<0.88	2.1	595	--	--	--	--	--
12/6/2001	1300	ND<2	ND<2	ND<2	118	--	350	ND<0.88	2.2	620	--	--	--	--	--
2/19/2002	870	ND<1	ND<1	ND<1	1300000	--	380	ND<0.88	15	620	--	--	--	--	--
5/16/2002	470	ND<2	ND<2	ND<2	1530	--	380	ND<0.88	2.9	610	--	--	--	--	--
9/5/2002	2700	ND<10	ND<10	ND<10	2800	--	340	ND<0.88	2.0	630	--	--	--	--	--
11/25/2002	3300	ND<30	ND<30	ND<30	2400	--	370	ND<0.88	ND<2	630	--	--	--	--	--
3/20/2003	2000	ND<10	ND<10	ND<10	9900	--	350	ND<0.88	4.9	630	--	--	--	--	--
5/28/2003	990	ND<10	ND<10	ND<10	570	--	480	ND<0.44	1.4	630	--	--	--	--	--
8/27/2003	1500	ND<1	ND<1	ND<1	ND<500	--	480	ND<0.88	3.4	660	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-2 continued															
12/30/2003	1300	ND<10	ND<10	ND<10	2100	--	390	ND<0.88	2.9	630	--	--	--	--	--
3/16/2004	1600	ND<10	ND<10	ND<10	250	--	400	ND<0.88	4.5	640	--	--	--	--	--
5/25/2004	2600	ND<10	ND<10	ND<10	1900	--	370	ND<0.88	3.5	640	--	--	--	--	--
8/25/2004	1200	ND<5	ND<5	ND<5	1000	--	390	ND<0.88	3.8	670	--	--	--	--	--
11/23/2004	2200	ND<50	ND<50	ND<50	7300	--	400	ND<0.88	3.2	620	--	--	--	--	--
2/22/2005	1800	ND<25	ND<25	ND<25	2100	--	400	ND<0.88	8.5	650	--	--	--	--	--
5/24/2005	920	ND<25	ND<25	ND<25	2000	--	530	ND<0.20	2.1	650	--	--	--	--	--
8/2/2005	690	ND<5.0	ND<5.0	ND<5.0	5500	--	740	ND<0.10	89	610	--	--	--	--	--
12/1/2005	1400	ND<25	ND<25	ND<25	4600	--	430	ND<0.10	ND<1.0	640	--	--	--	--	--
4/25/2006	710	ND<0.50	ND<0.50	ND<0.50	770	--	430	ND<0.10	1.1	660	--	--	--	--	--
9/26/2006	1500	ND<5.0	ND<5.0	ND<5.0	4200	--	640	ND<0.20	10	700	--	--	--	--	--
12/26/2006	1600	ND<0.50	ND<0.50	ND<0.50	4100	--	490	ND<0.20	5.6	690	--	342	6.84	20.1	-102
MW-5															
11/3/1992	18000	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
2/11/1993	4300	--	--	--	--	--	--	--	--	--	--	--	--	--	--
P 1/26/1994	13000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/26/1994	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4/1995	7000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/26/1996	9100	--	--	--	--	--	--	--	--	--	0.34	--	--	--	--
5/9/1996	15600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	970	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/15/1998	16000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/14/1998	13000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1998	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/5/1999	600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/4/1999	16000	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferrou	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-5 continued															
7/27/1999	15000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/1999	18000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/4/2000	13000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	12000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/2000	11000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/2000	9000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/8/2001	4300	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	530	ND<50	ND<50	ND<50	--	--	--	5.7	220	--	--	--	--	--	--
7/30/2001	850	ND<10	ND<10	20	--	--	--	4.5	31	647	--	--	--	--	--
12/6/2001	15000	ND<30	ND<30	ND<30	12700	--	4600	ND<0.88	2.8	686	--	--	--	--	--
2/19/2002	13000	ND<500	ND<500	ND<500	14000	--	4200	ND<0.88	18	680	--	--	--	--	--
5/16/2002	1700	ND<2	ND<2	ND<2	17000	--	4300	ND<0.88	25	630	--	--	--	--	--
9/5/2002	5400	ND<5	ND<5	ND<5	21000	--	4700	1.5	11	660	--	--	--	--	--
11/25/2002	4700	ND<5	ND<5	ND<5	2400	--	4300	ND<0.88	61	600	--	--	--	--	--
3/20/2003	630	ND<1	ND<1	ND<1	6700	--	1100	27.1	90	320	--	--	--	--	--
5/28/2003	210	ND<1	ND<1	ND<1	270	--	740	0.48	29	670	--	--	--	--	--
8/27/2003	150	ND<1	ND<1	ND<1	ND<500	--	3100	3.5	92	490	--	--	--	--	--
12/30/2003	220	ND<1	ND<1	ND<1	3500	--	1400	1.5	109	220	--	--	--	--	--
3/16/2004	83	ND<1	ND<1	ND<1	450	--	740	8.42	61	210	--	--	--	--	--
5/25/2004	2600	ND<10	ND<10	ND<10	2600	--	1700	0.53	13	470	--	--	--	--	--
8/25/2004	120	ND<1	ND<1	ND<1	2700	--	1400	0.52	44	490	--	--	--	--	--
11/23/2004	130	ND<1	ND<1	ND<1	9700	--	160	8.17	73	420	--	--	--	--	--
2/22/2005	93	ND<0.50	ND<0.50	0.57	100	--	280	35	37	190	--	--	--	--	--
5/24/2005	990	ND<25	ND<25	ND<25	3100	--	5700	ND<0.20	48	620	--	--	--	--	--
8/2/2005	350	ND<12	ND<12	ND<12	9600	--	7100	ND<0.10	75	600	--	--	--	--	--
12/1/2005	7.4	ND<0.50	ND<0.50	ND<0.50	3900	--	1800	ND<0.10	170	190	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferrou	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-5 continued															
4/25/2006	610	ND<0.50	ND<0.50	ND<0.50	2400	--	2700	ND<0.10	31	550	--	--	--	--	--
9/26/2006	3500	ND<5.0	ND<5.0	ND<5.0	19000	--	4500	ND<0.20	4.9	710	--	--	--	--	--
12/26/2006	3400	ND<5.0	ND<5.0	ND<5.0	36000	--	4900	ND<0.20	5.0	710	--	258	6.94	20.7	-198
MW-6															
6/22/1990	1.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/1990	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/30/1990	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/4/1990	1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/8/1991	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/10/1991	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/18/1991	2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/24/1991	984	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/23/1992	42	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/24/1992	13.6	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
7/22/1992	9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/3/1992	8.4	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
6/8/1993	87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/2/1994	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/7/1995	43	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/9/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/1999	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-6 continued															
4/28/2000	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/2000	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	ND<4.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
7/30/2001	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
12/6/2001	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
9/5/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/25/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/16/2004	1.8	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/22/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
5/24/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
8/2/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/1/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
3/16/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
4/25/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
9/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
MW-7															
6/22/1990	5.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/1990	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/30/1990	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-7 continued															
10/4/1990	36.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/8/1991	28.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/10/1991	18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/18/1991	96	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/24/1991	19.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/23/1992	42	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/24/1992	8.4	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
7/22/1992	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/3/1992	250	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
2/11/1993	5.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/2/1994	2.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/7/1995	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/9/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/16/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/14/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/27/1999	27	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/2000	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	ND<4.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
7/30/2001	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
12/6/2001	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-7 continued															
2/19/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
9/5/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/25/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	1.6	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
12/30/2003	2.1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/16/2004	9.8	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/22/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
5/24/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
8/2/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/1/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
3/16/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
4/25/2006	18	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
9/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
MW-8															
6/22/1990	220	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/1990	1600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/30/1990	380	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/4/1990	247	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/8/1991	155	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/10/1991	107	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-8 continued															
7/18/1991	41	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/24/1991	217	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/23/1992	290	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/24/1992	2000	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
7/22/1992	470	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/3/1992	640	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
2/11/1993	790	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/8/1993	860	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/26/1994	800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/23/1995	1700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/9/1996	810	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	1640	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	2120	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	1700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	5900	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	3700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1998	8200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/1999	4700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/2000	460	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	860	ND<50	ND<50	ND<50	--	--	--	--	--	--	--	--	--	--	--
7/30/2001	3100	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
12/6/2001	260	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	630	ND<5	ND<5	ND<5	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	410	ND<1	ND<1	4.7	--	--	--	--	--	--	--	--	--	--	--
9/5/2002	640	ND<20	ND<20	ND<20	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-8 continued															
11/25/2002	810	ND<20	ND<20	ND<20	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	170	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	100	ND<10	ND<10	ND<10	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	300	ND<5	ND<5	ND<5	--	--	--	--	--	--	--	--	--	--	--
MW-9															
6/22/1990	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/1990	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/30/1990	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/4/1990	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/8/1991	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/10/1991	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/18/1991	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/24/1991	27	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/23/1992	3.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/24/1992	15.8	--	--	--	--	5.0	--	--	--	--	--	--	--	--	--
7/22/1992	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/3/1992	89	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
2/11/1993	2.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/2/1994	0.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/8/1995	24	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/27/1999	44	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/2000	5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	ND<4.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
7/30/2001	6.8	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-9 continued															
12/6/2001	13	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	ND<5	ND<5	ND<5	ND<5	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
9/5/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/25/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/22/2005	3.4	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
5/24/2005	250	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
8/2/2005	150	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
12/1/2005	37	ND<2.5	ND<2.5	ND<2.5	--	--	--	--	--	--	--	--	--	--	--
12/26/2006	22	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
MW-10															
6/22/1990	3100	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/1990	6300	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/30/1990	10240	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/4/1990	11660	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/8/1991	9000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/10/1991	4700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/18/1991	9700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/3/1992	5900	--	--	--	--	2.4	--	--	--	--	--	--	--	--	--
2/11/1993	5200	--	--	--	--	7.2	--	--	--	--	--	--	--	--	--
6/8/1993	18000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/1993	12000	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-10 continued															
3/4/1995	7700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/7/1995	7100	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/9/1996	5700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	11800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	4800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	7800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	2700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/15/1998	860	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/4/1999	2300	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	1400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	770	ND<50	ND<50	ND<50	--	--	--	--	--	--	--	--	--	--	--
7/30/2001	2200	ND<10	ND<10	ND<10	--	--	--	--	--	--	--	--	--	--	--
12/6/2001	54	ND<1	ND<1	5.7	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	94	ND<5	ND<5	ND<5	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	36	ND<5	ND<5	ND<5	--	--	--	--	--	--	--	--	--	--	--
9/5/2002	590	ND<5	ND<5	ND<5	--	--	--	--	--	--	--	--	--	--	--
11/25/2002	690	ND<10	ND<10	ND<10	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	200	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	450	ND<10	ND<10	ND<10	--	--	--	--	--	--	--	--	--	--	--
8/27/2003	130	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
12/30/2003	25	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/16/2004	2.3	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	2.8	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	40	ND<10	ND<10	ND<10	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-10 continued															
2/22/2005	140	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
5/24/2005	370	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
8/2/2005	9.9	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/1/2005	110	ND<25	ND<25	ND<25	--	--	--	--	--	--	--	--	--	--	--
4/25/2006	640	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
9/26/2006	63	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
12/26/2006	190	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
MW-11															
6/22/1990	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/1990	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/30/1990	1.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/4/1990	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/8/1991	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/10/1991	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/18/1991	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/24/1991	4.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/23/1992	1.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/24/1992	1.1	--	--	--	--	13.8	--	--	--	--	--	--	--	--	--
7/22/1992	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/3/1992	ND	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
2/11/1993	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/8/1993	7.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/26/1994	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4/1995	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/26/1996	ND	--	--	--	--	--	--	--	--	--	0.93	--	--	--	--
5/9/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
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Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-11 continued															
11/1/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	1.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	ND<4.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
7/30/2001	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
12/6/2001	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
9/5/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/25/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/16/2004	4.2	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/22/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
5/24/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
8/2/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/1/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
3/16/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
4/25/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
9/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-12															
6/22/1990	26	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/1990	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/30/1990	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/4/1990	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/8/1991	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/10/1991	7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/18/1991	45.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/24/1991	48	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/23/1992	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/24/1992	6.8	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
7/22/1992	4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/3/1992	ND	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
2/11/1993	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/26/1994	4.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/23/1995	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/9/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/15/1998	0.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/4/1999	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	ND<4.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
7/30/2001	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-12 continued															
12/6/2001	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
9/5/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/25/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
MW-13															
6/22/1990	950	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/1990	39	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/3/1992	9500	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
2/11/1993	1200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/8/1993	1600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/1993	960	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4/1995	1200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/26/1996	59	--	--	--	--	--	--	--	--	--	0.46	--	--	--	--
5/9/1996	173	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	470	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	92	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	430	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	160	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/5/1999	87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/4/2000	5.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/8/2001	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-13 continued															
5/16/2001	120	ND<5.0	ND<5.0	ND<5.0	--	--	--	ND<0.55	110	--	--	--	--	--	--
7/30/2001	50	ND<1.0	ND<1.0	ND<1.0	--	--	--	ND<0.88	45	736	--	--	--	--	--
12/6/2001	47	ND<1	ND<1	ND<1	ND<100	--	950	ND<2.2	16	688	--	--	--	--	--
2/19/2002	66	ND<1	ND<1	ND<1	211	--	950	ND<0.88	9.0	680	--	--	--	--	--
5/16/2002	49	ND<1	ND<1	ND<1	257	--	880	ND<0.88	16	660	--	--	--	--	--
9/5/2002	70	ND<1	ND<1	ND<1	284	--	960	ND<0.88	9.5	680	--	--	--	--	--
11/25/2002	44	ND<1	ND<1	ND<1	1600	--	1600	ND<0.88	72	640	--	--	--	--	--
3/20/2003	63	ND<1	ND<1	ND<1	930	--	830	0.71	46	610	--	--	--	--	--
5/28/2003	94	ND<1	ND<1	ND<1	ND<100	--	710	ND<0.44	22	660	--	--	--	--	--
5/25/2004	13	ND<1	ND<1	ND<1	1100	--	580	ND<0.44	56	570	--	--	--	--	--
8/25/2004	14	ND<1	ND<1	ND<1	280	--	660	ND<0.44	40	680	--	--	--	--	--
11/23/2004	14	ND<1	ND<1	ND<1	1300	--	620	ND<0.44	48	670	--	--	--	--	--
2/22/2005	14	ND<0.50	ND<0.50	ND<0.50	870	--	570	ND<0.44	58	690	--	--	--	--	--
5/24/2005	82	ND<0.50	ND<0.50	0.90	680	--	540	ND<0.10	57	650	--	--	--	--	--
8/2/2005	28	ND<0.50	ND<0.50	ND<0.50	860	--	210	ND<0.10	68	710	--	--	--	--	--
12/1/2005	76	ND<0.50	ND<0.50	ND<0.50	1100	--	890	ND<0.10	100	640	--	--	--	--	--
3/16/2006	12	ND<0.50	ND<0.50	ND<0.50	1900	--	450	ND<0.10	52	680	--	--	--	--	--
4/25/2006	3.2	ND<0.50	ND<0.50	ND<0.50	400	--	470	ND<0.10	51	690	--	--	--	--	--
MW-14															
6/22/1990	270	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/1990	5500	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/30/1990	14800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/3/1992	9400	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
2/11/1993	4800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/2/1994	4600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/8/1995	4200	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
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Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-14 continued															
5/9/1996	3200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	7800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	1120	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	55	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	3.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/5/1999	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/30/2001	1700	ND<5.0	ND<5.0	38	--	--	--	ND<0.44	39	563	--	--	--	--	--
12/6/2001	680	ND<1	ND<1	25	ND<100	--	2700	ND<0.4	55	513	--	--	--	--	--
5/16/2002	780	ND<5	ND<5	ND<5	3720	--	3400	ND<0.88	54	560	--	--	--	--	--
9/5/2002	1600	ND<5	ND<5	ND<5	5700	--	3600	ND<0.44	44	560	--	--	--	--	--
11/25/2002	270	ND<5	ND<5	ND<5	2500	--	3600	ND<0.88	63	550	--	--	--	--	--
8/27/2003	1400	ND<1	ND<1	ND<1	2400	--	2800	ND<0.44	45	500	--	--	--	--	--
8/25/2004	630	ND<5	ND<5	ND<5	2700	--	2200	ND<0.44	32	420	--	--	--	--	--
5/24/2005	14	ND<0.50	ND<0.50	ND<0.50	3200	--	1100	ND<0.10	79	270	--	--	--	--	--
9/26/2006	53	ND<0.50	ND<0.50	ND<0.50	3900	--	1600	ND<0.10	10	400	--	--	--	--	--
MW-15															
6/22/1990	93	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/1990	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/30/1990	81	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/4/1990	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/8/1991	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/10/1991	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/18/1991	66	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/24/1991	8.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferrou	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-15 continued															
1/23/1992	4.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/24/1992	3.0	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
7/22/1992	27	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/3/1992	ND	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
2/11/1993	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/8/1993	3.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/26/1994	2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/23/1995	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/9/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	51.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/1999	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/2000	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	ND<4.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
7/30/2001	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
12/6/2001	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
9/5/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/25/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-15 continued															
5/28/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/22/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
5/24/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
8/2/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/1/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
3/16/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
4/25/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
9/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
MW-16															
10/24/1991	0.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/23/1992	5.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/24/1992	2.4	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
7/22/1992	3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/3/1992	3.5	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
2/11/1993	4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/26/1994	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4/1995	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/26/1996	1.1	--	--	--	--	--	--	--	--	--	0.94	--	--	--	--
5/9/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferrou	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-16 continued															
7/16/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/14/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/27/1999	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/2000	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	ND<4.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
7/30/2001	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
12/6/2001	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
9/5/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/25/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/27/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
12/30/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/16/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	2.1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/22/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
5/24/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
8/2/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/1/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-16 continued															
3/16/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
4/25/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
9/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
MW-17															
10/24/1991	945	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/3/1992	19000	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
2/11/1993	6800	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
P 5/26/1994	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/26/1994	8000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
P 5/23/1995	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/23/1995	11000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	5600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	3400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	1400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	1300	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/1999	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	250	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/2000	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	380	ND<50	ND<50	ND<50	--	--	--	ND<0.55	140	--	--	--	--	--	--
7/30/2001	170	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
12/6/2001	16	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	320	ND<10	ND<10	ND<10	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	170	ND<5	ND<5	ND<5	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-17 continued															
9/5/2002	88	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/25/2002	67	ND<5	ND<5	ND<5	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	ND<5	ND<5	ND<5	ND<5	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	ND<10	ND<10	ND<10	ND<10	--	--	--	--	--	--	--	--	--	--	--
8/27/2003	7.8	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
12/30/2003	13	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/16/2004	11	ND<10	ND<10	ND<10	--	--	--	--	--	--	--	--	--	--	--
5/25/2004	8.3	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	2.7	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	8.9	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/22/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
5/24/2005	ND<10	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
8/2/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/1/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
3/16/2006	ND<5.0	ND<2.5	ND<2.5	ND<2.5	--	--	--	--	--	--	--	--	--	--	--
4/25/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
9/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/26/2006	1.7	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
MW-18															
3/4/1995	5200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/26/1996	2400	--	--	--	--	--	--	--	--	--	0.93	--	--	--	--
5/9/1996	8600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	17700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	38	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	3500	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/16/1997	7700	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferrou	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-18 continued															
10/14/1997	4700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/15/1998	410	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/14/1998	59	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1998	7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/5/1999	9.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/4/1999	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/27/1999	4.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/1999	1200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/4/2000	1300	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	3.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/2000	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/2000	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/8/2001	26	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	ND<4.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
7/30/2001	4.4	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
12/6/2001	130	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	63	ND<2	ND<2	ND<2	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	2.3	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
9/5/2002	2.4	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/25/2002	57	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/27/2003	12	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
12/30/2003	8.2	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/16/2004	2100	ND<50	ND<50	ND<50	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-18 continued															
5/25/2004	2900	ND<50	ND<50	ND<50	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	1100	ND<30	ND<30	ND<30	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	52	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/22/2005	130	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
5/24/2005	21	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
8/2/2005	4.4	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/1/2005	310	ND<0.50	ND<0.50	0.50	--	--	--	--	--	--	--	--	--	--	--
3/16/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
4/25/2006	3.8	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
9/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/26/2006	180	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
MW-19															
10/24/1991	4.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/23/1992	2.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/24/1992	1.1	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
7/22/1992	2.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/3/1992	ND	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
2/11/1993	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/26/1994	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4/1995	2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/26/1996	ND	--	--	--	--	--	--	--	--	--	0.55	--	--	--	--
11/1/1996	4.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-19 continued															
4/28/2000	ND<0.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/8/2001	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	ND<4.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
7/30/2001	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
12/6/2001	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
9/5/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/25/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/27/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
12/30/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/16/2004	7.1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/22/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
5/24/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
8/2/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/1/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
3/16/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
4/25/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
9/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--

MW-20

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferrou	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-20 continued															
6/8/1993	630	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/26/1994	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4/1995	240	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/7/1995	89	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/9/1996	11.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	15.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	83	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/16/1997	120	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	260	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	51	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/14/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/27/1999	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/2000	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	ND<200	ND<250	ND<250	ND<250	--	--	--	ND<0.55	32	--	--	--	--	--	--
7/30/2001	74	ND<5.0	ND<5.0	7.9	--	--	--	ND<0.88	7.0	666	--	--	--	--	--
12/6/2001	65	ND<1	ND<1	12	100	--	1100	ND<0.88	3.1	616	--	--	--	--	--
2/19/2002	30	ND<5	ND<5	11	3900	--	1700	ND<0.88	39	590	--	--	--	--	--
5/16/2002	32	ND<20	ND<20	ND<20	4350	--	2100	ND<0.88	8.6	610	--	--	--	--	--
9/5/2002	56	ND<20	ND<20	ND<20	5500	--	1400	ND<0.44	4.4	630	--	--	--	--	--
11/25/2002	38	ND<1	ND<1	ND<1	6600	--	1500	ND<0.44	5.5	620	--	--	--	--	--
3/20/2003	82	ND<1	ND<1	ND<1	5000	--	1800	ND<0.44	6.3	610	--	--	--	--	--
5/28/2003	85	ND<1	ND<1	ND<1	1600	--	1700	ND<0.44	5.6	610	--	--	--	--	--
8/27/2003	42	ND<1	ND<1	ND<1	2800	--	1600	ND<0.44	5.7	610	--	--	--	--	--
12/30/2003	70	ND<1	ND<1	ND<1	1100	--	1100	ND<0.88	8.1	620	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-20 continued															
3/16/2004	250	ND<1	ND<1	ND<1	380	--	1100	ND<0.44	128	610	--	--	--	--	--
5/25/2004	60	ND<1	ND<1	ND<1	1800	--	1200	ND<0.44	103	650	--	--	--	--	--
8/25/2004	63	ND<1	ND<1	ND<1	1300	--	1700	ND<0.44	33	700	--	--	--	--	--
11/23/2004	60	ND<1	ND<1	ND<1	5200	--	1800	ND<0.44	31	670	--	--	--	--	--
2/22/2005	64	ND<0.50	ND<0.50	ND<0.50	1900	--	1700	ND<0.88	190	720	--	--	--	--	--
5/24/2005	60	ND<0.50	ND<0.50	ND<0.50	3000	--	4300	ND<0.20	74	630	--	--	--	--	--
8/2/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	4500	--	2500	ND<0.10	61	750	--	--	--	--	--
12/1/2005	15	ND<0.50	ND<0.50	ND<0.50	4500	--	2700	ND<0.10	77	700	--	--	--	--	--
3/16/2006	1.8	ND<0.50	ND<0.50	ND<0.50	4200	--	2400	ND<0.10	55	700	--	--	--	--	--
4/25/2006	13	ND<0.50	ND<0.50	ND<0.50	2700	--	4200	ND<0.10	60	640	--	--	--	--	--
9/26/2006	5.2	ND<0.50	ND<0.50	ND<0.50	3400	--	3900	ND<0.20	39	630	--	--	--	--	--
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	4000	--	2400	ND<0.20	14	650	--	218	7.12	21	-87
MW-21															
6/8/1993	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/1993	300	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4/1995	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/8/1995	1200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	28	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1998	58	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/1999	0.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/2000	ND<6.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	380	ND<100	ND<100	ND<100	--	--	--	ND<0.55	190	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-21 continued															
7/30/2001	160	ND<5.0	ND<5.0	ND<5.0	--	--	--	ND<0.88	87	808	--	--	--	--	--
12/6/2001	45	ND<1	ND<1	ND<1	ND<100	--	1900	ND<0.88	85	770	--	--	--	--	--
2/19/2002	51	ND<1	ND<1	ND<1	ND<100	--	1900	ND<0.88	130	720	--	--	--	--	--
5/16/2002	15	ND<1	ND<1	ND<1	ND<100	--	1600	ND<0.88	120	690	--	--	--	--	--
9/5/2002	4.4	ND<1	ND<1	ND<1	1900	--	2100	ND<0.44	116	690	--	--	--	--	--
11/25/2002	5.1	ND<1	ND<1	ND<1	1700	--	2000	ND<0.44	121	660	--	--	--	--	--
3/20/2003	140	ND<1	ND<1	ND<1	670	--	1500	ND<0.44	114	670	--	--	--	--	--
5/28/2003	340	ND<1	ND<1	ND<1	ND<100	--	2300	ND<0.44	38	720	--	--	--	--	--
8/27/2003	74	ND<1	ND<1	ND<1	110	--	1800	ND<0.44	84	740	--	--	--	--	--
12/30/2003	12	ND<1	ND<1	ND<1	1700	--	1800	ND<0.44	104	670	--	--	--	--	--
3/16/2004	210	ND<1	ND<1	ND<1	ND<100	--	1500	ND<0.44	108	640	--	--	--	--	--
5/25/2004	55	ND<1	ND<1	ND<1	1300	--	1600	ND<0.44	97	660	--	--	--	--	--
8/25/2004	39	ND<1	ND<1	ND<1	420	--	1500	ND<0.44	88	670	--	--	--	--	--
11/23/2004	300	ND<50	ND<50	ND<50	3100	--	1900	ND<0.44	77	660	--	--	--	--	--
2/22/2005	810	ND<25	ND<25	ND<25	2500	--	2200	ND<0.44	98	700	--	--	--	--	--
5/24/2005	140	ND<0.50	ND<0.50	ND<0.50	2000	--	1100	ND<0.10	110	630	--	--	--	--	--
8/2/2005	69	ND<5.0	ND<5.0	ND<5.0	1900	--	1000	ND<0.10	110	610	--	--	--	--	--
12/1/2005	200	ND<0.50	ND<0.50	ND<0.50	2100	--	1900	ND<0.20	50	660	--	--	--	--	--
3/16/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	3500	--	860	ND<0.10	98	580	--	--	--	--	--
9/26/2006	5.5	ND<0.50	ND<0.50	ND<0.50	2400	--	910	ND<0.20	120	590	--	--	--	--	--
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	2800	--	920	ND<0.20	140	570	--	241	7.42	19.5	-294
MW-22															
6/8/1993	1300	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/1993	480	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4/1995	160	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/26/1996	43	--	--	--	--	--	--	--	--	--	0.57	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-22 continued															
5/9/1996	2.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	2.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/15/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/4/1999	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	ND<4.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
7/30/2001	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
12/6/2001	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
9/5/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/25/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/27/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
12/30/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/16/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/22/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
5/24/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-22 continued															
8/2/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/1/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
3/16/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
4/25/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
9/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
MW-23															
11/2/1994	1400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
P 3/4/1995	18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4/1995	650	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/26/1996	68	--	--	--	--	--	--	--	--	--	0.63	--	--	--	--
5/9/1996	18.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	1.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/5/1999	1.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/4/2000	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	0.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/8/2001	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	ND<20	ND<25	ND<25	ND<25	--	--	--	--	--	--	--	--	--	--	--
7/30/2001	1.4	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
12/6/2001	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferrou	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-23 continued															
9/5/2002	1.6	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/25/2002	ND<5	ND<5	ND<5	ND<5	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	ND<5	ND<5	ND<5	ND<5	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/27/2003	3.3	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
12/30/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/16/2004	1.4	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/22/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
5/24/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
8/2/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/1/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
3/16/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
4/25/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
9/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
MW-24															
11/2/1994	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4/1995	5.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/26/1996	ND	--	--	--	--	--	--	--	--	--	1.66	--	--	--	--
5/9/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferrou	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-24 continued															
10/14/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/15/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/4/1999	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	ND<4.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
7/30/2001	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
12/6/2001	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
9/5/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/25/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/27/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
12/30/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/16/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/22/2005	ND<1.0	ND<0.50	ND<0.50	0.51	--	--	--	--	--	--	--	--	--	--	--
5/24/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
8/2/2005	ND<1.0	ND<0.50	ND<0.50	0.57	--	--	--	--	--	--	--	--	--	--	--
12/1/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
3/16/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
4/25/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-24 continued															
9/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
MW-25															
11/2/1994	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4/1995	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/26/1996	ND	--	--	--	--	--	--	--	--	--	1.61	--	--	--	--
5/9/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/5/1999	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/4/2000	ND< 0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/28/2000	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/8/2001	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	ND<4.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	ND<0.55	360	--	--	--	--	--	--
7/30/2001	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	ND<0.88	380	466	--	--	--	--	--
12/6/2001	ND<1	ND<1	ND<1	ND<1	ND<100	--	ND<10	ND<0.88	394	449	--	--	--	--	--
2/19/2002	ND<1	ND<1	ND<1	ND<1	ND<100	--	ND<10	ND<0.88	568	410	--	--	--	--	--
5/16/2002	ND<1	ND<1	ND<1	ND<1	ND<100	--	ND<10	ND<0.88	383	430	--	--	--	--	--
9/5/2002	ND<1	ND<1	ND<1	ND<1	ND<100	--	ND<10	ND<0.88	416	410	--	--	--	--	--
11/25/2002	ND<1	ND<1	ND<1	ND<1	ND<100	--	ND<10	ND<0.88	431	420	--	--	--	--	--
3/20/2003	ND<1	ND<1	ND<1	ND<1	ND<100	--	ND<10	ND<0.44	390	430	--	--	--	--	--
5/28/2003	ND<1	ND<1	ND<1	ND<1	ND<100	--	ND<10	ND<0.44	201	440	--	--	--	--	--
8/27/2003	ND<1	ND<1	ND<1	ND<1	ND<100	--	ND<10	0.80	395	430	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
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Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferrou	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-25 continued															
12/30/2003	ND<1	ND<1	ND<1	ND<1	ND<100	--	ND<10	ND<0.44	400	420	--	--	--	--	--
3/16/2004	ND<1	ND<1	ND<1	ND<1	ND<100	--	ND<10	ND<0.88	419	410	--	--	--	--	--
5/25/2004	ND<1	ND<1	ND<1	ND<1	390	--	ND<10	ND<0.88	433	420	--	--	--	--	--
8/25/2004	ND<1	ND<1	ND<1	ND<1	ND<100	--	ND<10	ND<0.88	444	410	--	--	--	--	--
11/23/2004	ND<1	ND<1	ND<1	ND<1	ND<100	--	ND<10	ND<0.88	407	400	--	--	--	--	--
2/22/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<100	--	ND<10	ND<0.44	74	280	--	--	--	--	--
5/24/2005	46	ND<0.50	ND<0.50	ND<0.50	110	--	ND<10	ND<0.10	360	420	--	--	--	--	--
8/2/2005	29	ND<0.50	ND<0.50	ND<0.50	180	--	27	ND<0.10	390	420	--	--	--	--	--
12/1/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	360	--	78	ND<0.10	220	360	--	--	--	--	--
3/16/2006	1.4	ND<0.50	ND<0.50	ND<0.50	260	--	11	ND<0.10	360	370	--	--	--	--	--
4/25/2006	2.8	ND<0.50	ND<0.50	ND<0.50	150	--	ND<10	ND<0.10	380	390	--	--	--	--	--
9/26/2006	5.2	ND<0.50	ND<0.50	ND<0.50	ND<100	--	22	0.32	310	390	--	--	--	--	--
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<100	--	ND<10	ND<0.10	250	370	--	224	7.39	19.3	-214
MW-26															
11/2/1994	8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4/1995	6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/7/1995	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/9/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/1/1996	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/31/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/16/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1997	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/14/1998	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/27/1999	0.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-26 continued															
4/28/2000	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/25/2000	ND<0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16/2001	ND<4.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
7/30/2001	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
12/6/2001	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
9/5/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/25/2002	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/27/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
12/30/2003	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/16/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	ND<1	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/22/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
5/24/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
8/2/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/1/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
3/16/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
4/25/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
9/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/26/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--

MW-27

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-27 continued															
12/6/2001	7500	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	6600	ND<30	ND<30	ND<30	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	5000	ND<30	ND<30	ND<30	--	--	--	--	--	--	--	--	--	--	--
9/5/2002	2300	ND<10	ND<10	ND<10	--	--	--	--	--	--	--	--	--	--	--
11/25/2002	2900	ND<20	ND<20	ND<20	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	1600	ND<5	ND<5	ND<5	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	1900	ND<20	ND<20	ND<20	--	--	--	--	--	--	--	--	--	--	--
8/27/2003	2000	ND<10	ND<10	ND<10	--	--	--	--	--	--	--	--	--	--	--
12/30/2003	820	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/16/2004	400	ND<10	ND<10	ND<10	--	--	--	--	--	--	--	--	--	--	--
5/25/2004	ND<50	ND<50	ND<50	ND<50	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	6.5	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	4.2	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/22/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
5/24/2005	73	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
8/2/2005	ND<10	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
12/1/2005	40	ND<0.50	ND<0.50	4.1	--	--	--	--	--	--	--	--	--	--	--
3/16/2006	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
4/25/2006	ND<5.0	ND<2.5	ND<2.5	ND<2.5	--	--	--	--	--	--	--	--	--	--	--
9/26/2006	2.8	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/26/2006	ND<5.0	ND<2.5	ND<2.5	ND<2.5	--	--	--	--	--	--	--	--	--	--	--
MW-28															
12/6/2001	19	ND<2	ND<2	ND<2	--	--	--	--	--	--	--	--	--	--	--
2/19/2002	30	ND<2	ND<2	ND<2	--	--	--	--	--	--	--	--	--	--	--
5/16/2002	22	ND<2	ND<2	ND<2	--	--	--	--	--	--	--	--	--	--	--
9/5/2002	56	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5408

Date Sampled	Total Xylenes	DIPE	ETBE	TAME	Iron Ferro	Lead (total)	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Field Con-- ductivity	Field pH	Field Temp.	Pre-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µS/cm)	(pH unit)	(deg. C)	(mV)
MW-28 continued															
11/25/2002	100	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/20/2003	ND<2	ND<2	ND<2	ND<2	--	--	--	--	--	--	--	--	--	--	--
5/28/2003	ND<10	ND<10	ND<10	ND<10	--	--	--	--	--	--	--	--	--	--	--
8/27/2003	7.8	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
12/30/2003	8.3	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
3/16/2004	8.5	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
5/25/2004	2.6	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
8/25/2004	2.7	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	2.4	ND<1	ND<1	ND<1	--	--	--	--	--	--	--	--	--	--	--
2/22/2005	2.9	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
5/24/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
8/2/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/1/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
3/16/2006	1.7	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
4/25/2006	3.5	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
9/26/2006	2.6	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--
12/26/2006	3.4	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--	--

FIGURES

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
San Juan Capistrano Quadrangle

VICINITY MAP

76 Station 5408
24082 El Toro Road
Laguna Hills, California

FIGURE 1

TRC

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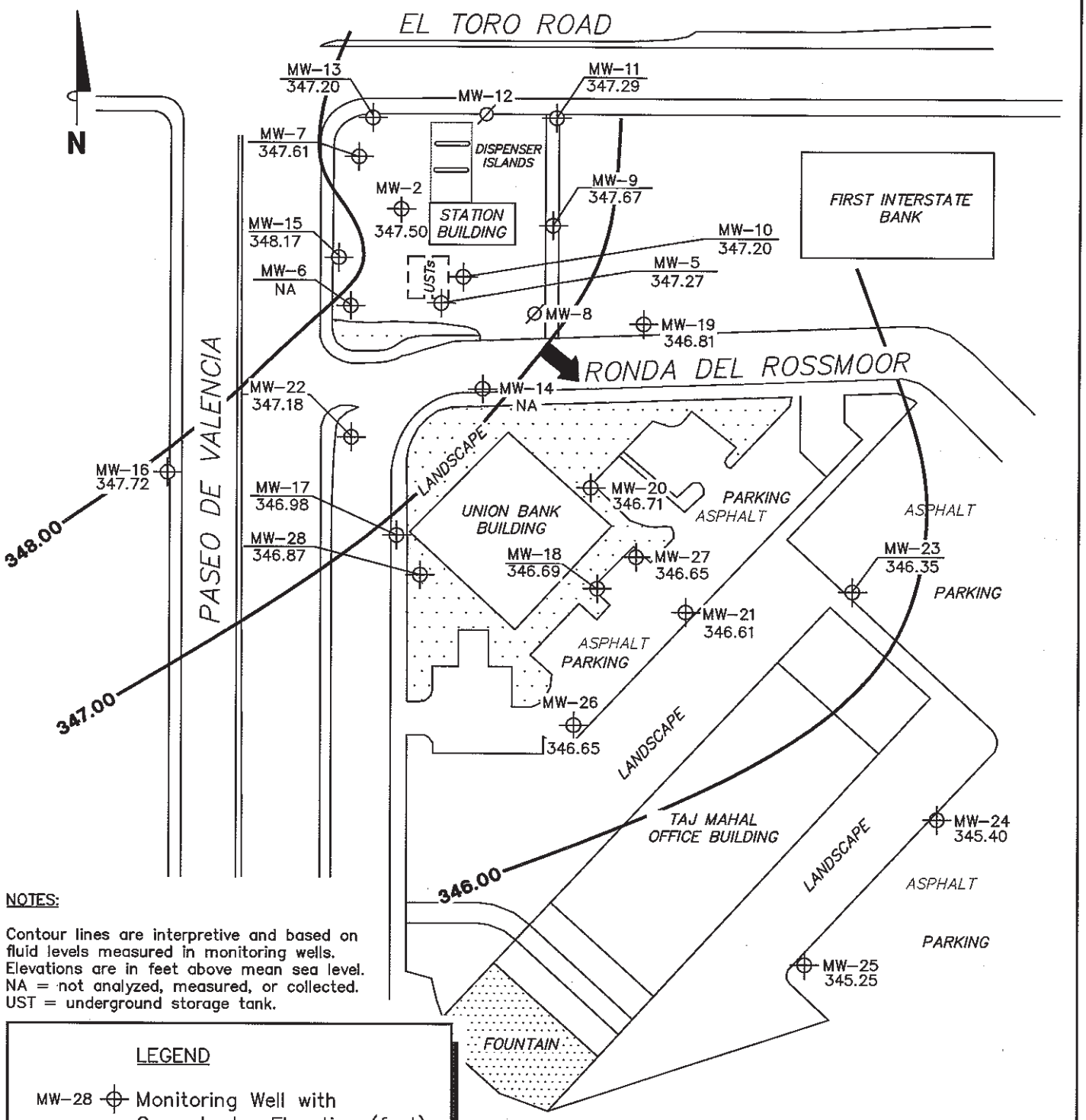

NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. NA = not analyzed, measured, or collected. UST = underground storage tank.

LEGEND

MW-28 ⊕ Monitoring Well with Groundwater Elevation (feet)

MW-12 Ø Abandoned Well

348.00 — Groundwater Elevation Contour

➡ General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
December 26, 2006

76 Station 5408
24082 El Toro Road
Laguna Hills, California

TRC

SCALE (FEET)
0 100

FIGURE 2

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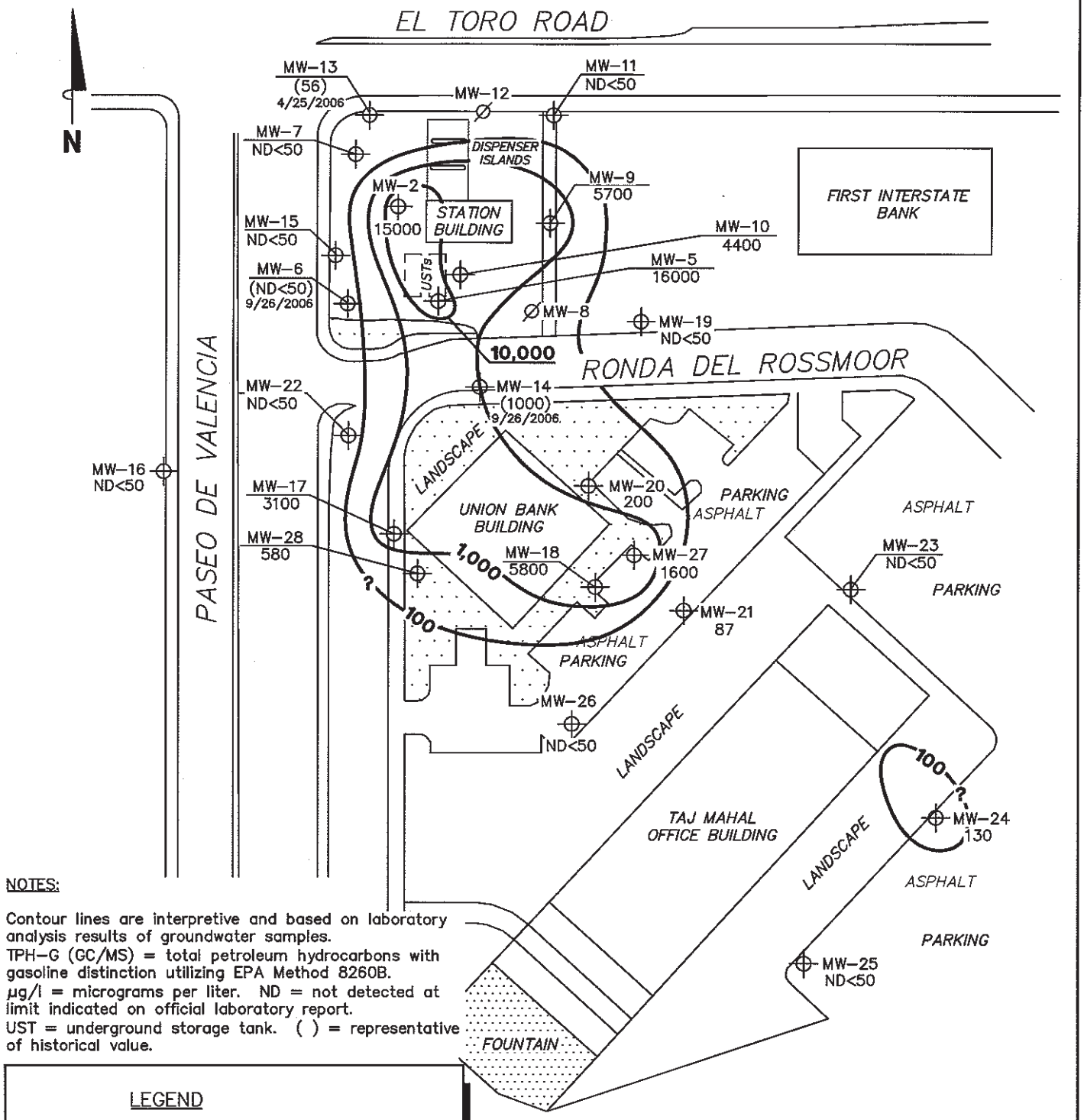

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
TPH-G (GC/MS) = total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B.
µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground storage tank. ( ) = representative of historical value.

LEGEND

MW-28 ⊕ Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration (µg/l)

MW-12 ∅ Abandoned Well

-10,000- Dissolved-Phase TPH-G (GC/MS) Contour (µg/l)

DISSOLVED-PHASE TPH-G (GC/MS) CONCENTRATION MAP
December 26, 2006

76 Station 5408
24082 El Toro Road
Laguna Hills, California

TRC

SCALE (FEET)
0 100

FIGURE 3

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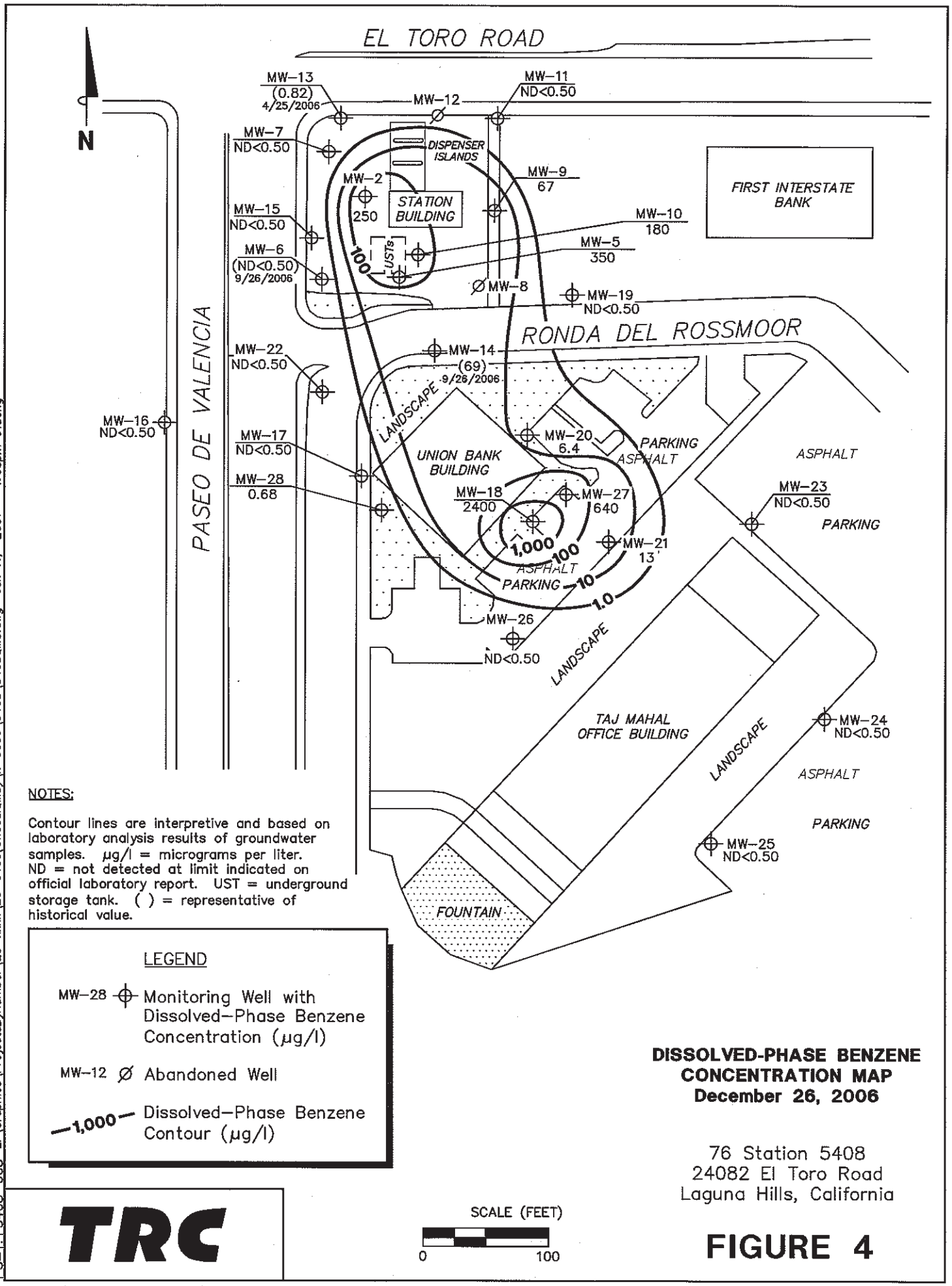

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. ( ) = representative of historical value.

LEGEND

MW-28 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

MW-12 Ø Abandoned Well

—1,000— Dissolved-Phase Benzene Contour (µg/l)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
December 26, 2006

76 Station 5408
24082 El Toro Road
Laguna Hills, California

TRC

SCALE (FEET)
0 100

FIGURE 4

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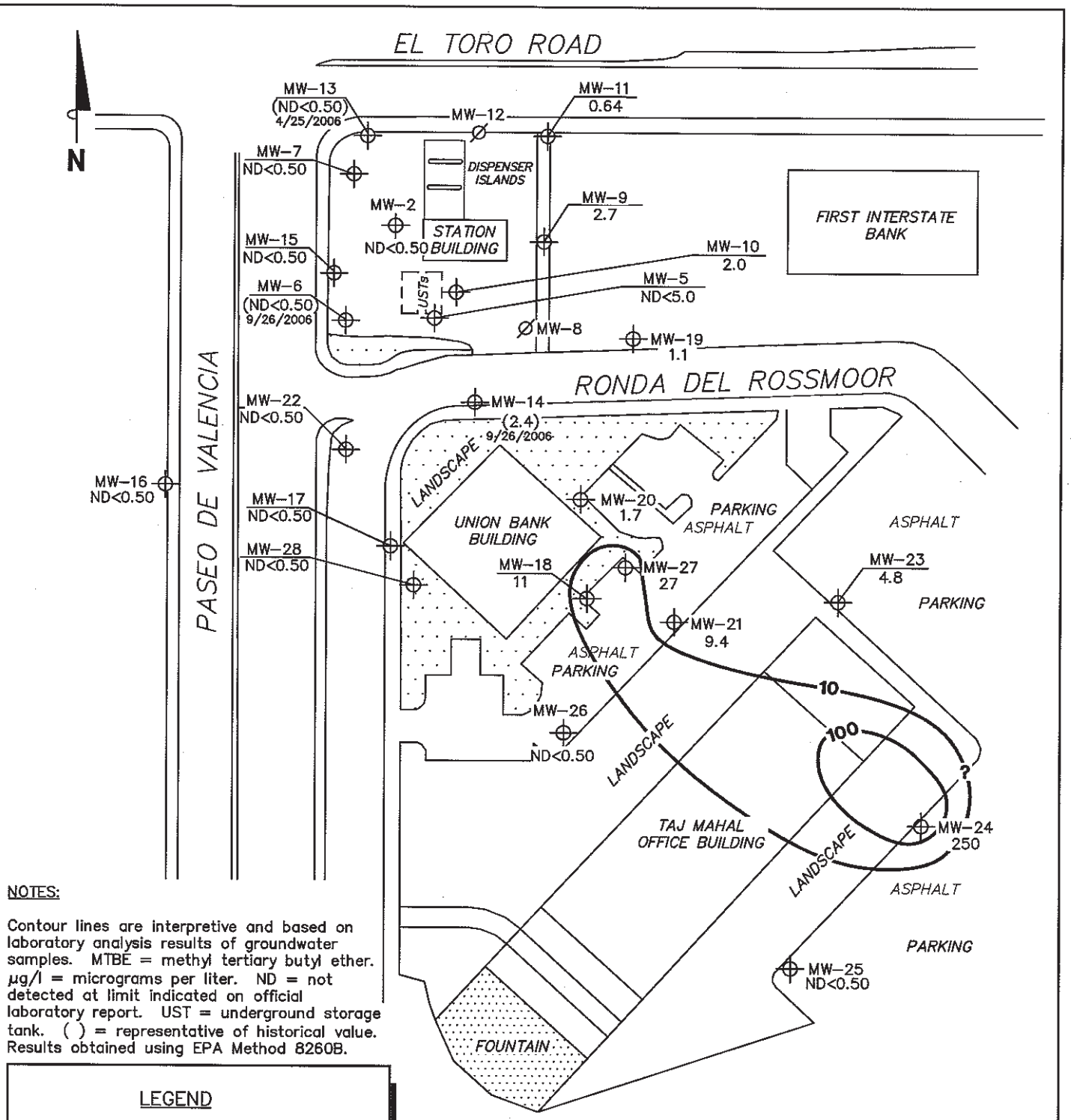


NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. ( ) = representative of historical value. Results obtained using EPA Method 8260B.

LEGEND

MW-28 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

MW-12 Ø Abandoned Well

—100— Dissolved-Phase MTBE Contour (µg/l)

DISSOLVED-PHASE MTBE CONCENTRATION MAP
December 26, 2006

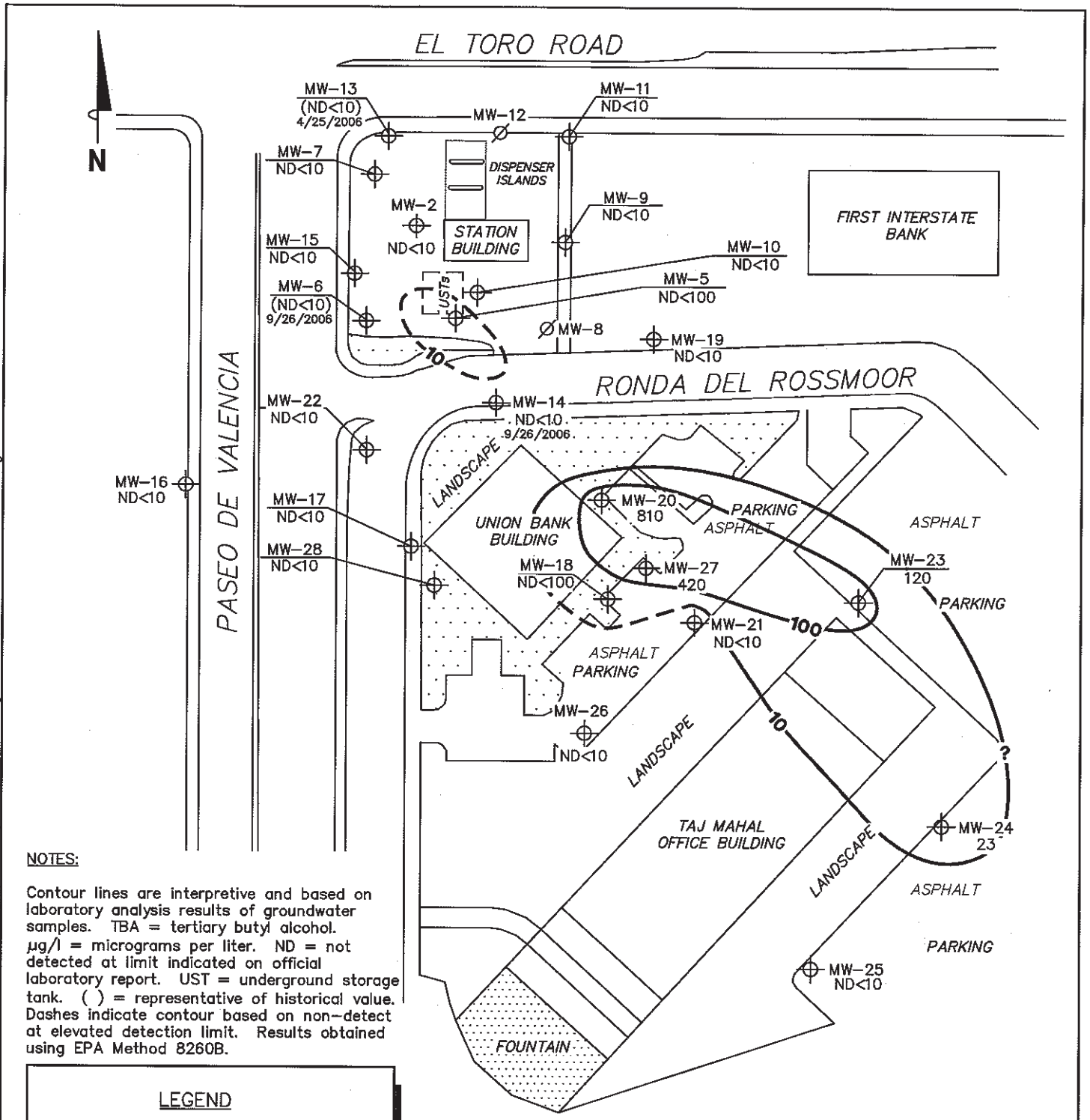
76 Station 5408
24082 El Toro Road
Laguna Hills, California

SCALE (FEET)
0 100

TRC

FIGURE 5

PS=1:1 5408-003 L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5408\5408QMS.dwg Jan 11, 2007 - 4:08pm cvuong



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TBA = tertiary butyl alcohol. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. ( ) = representative of historical value. Dashes indicate contour based on non-detect at elevated detection limit. Results obtained using EPA Method 8260B.

LEGEND

MW-28 ⊕ Monitoring Well with Dissolved-Phase TBA Concentration (µg/l)

MW-12 Ø Abandoned Well

—100— Dissolved-Phase TBA Contour (µg/l)

DISSOLVED-PHASE TBA CONCENTRATION MAP
December 26, 2006

76 Station 5408
24082 El Toro Road
Laguna Hills, California

TRC

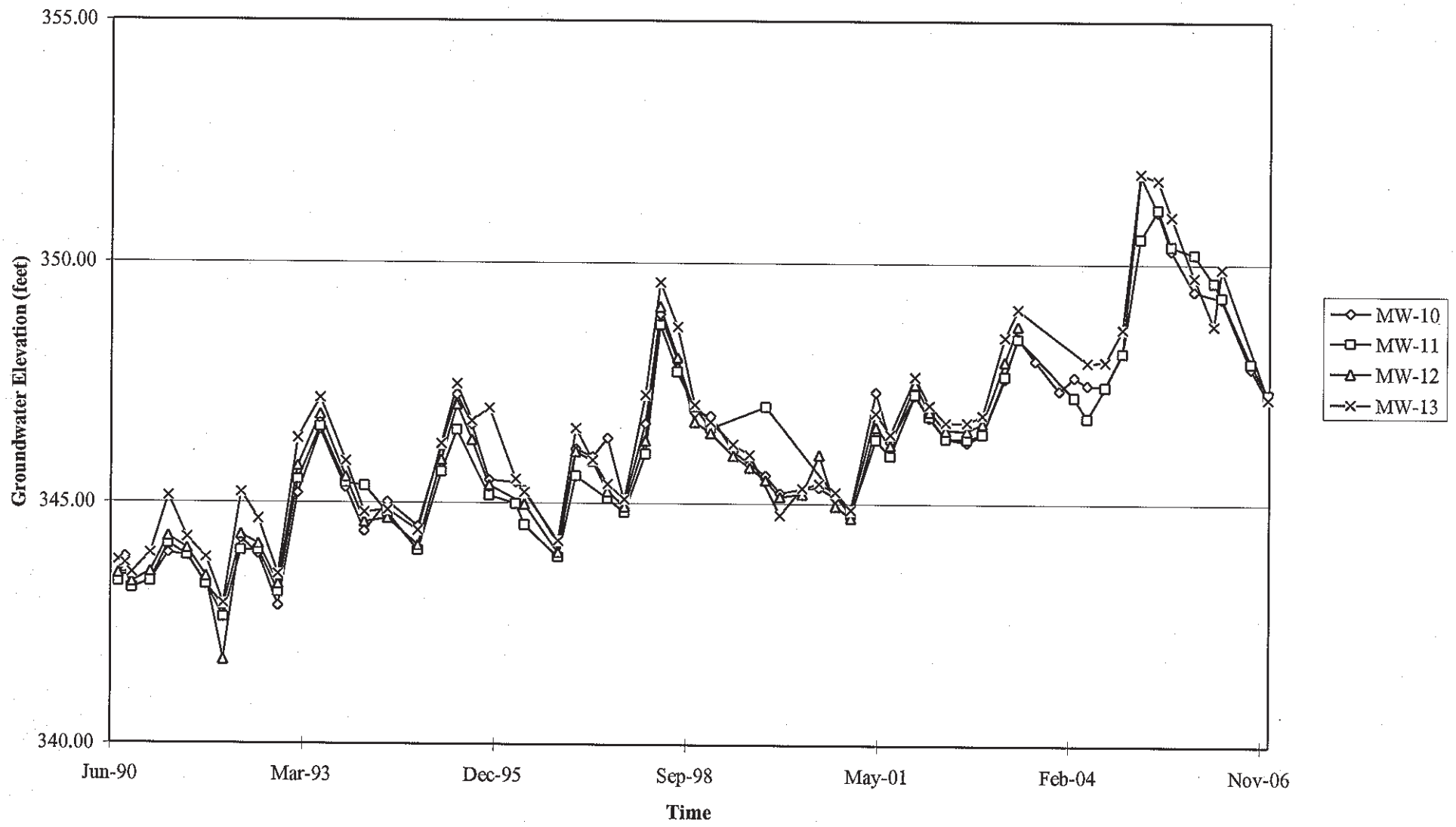
SCALE (FEET)
0 100

FIGURE 6

PS=1:1 5408-003 L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5408\5408QMS.dwg Jan 12, 2007 - 6:31am cvuong

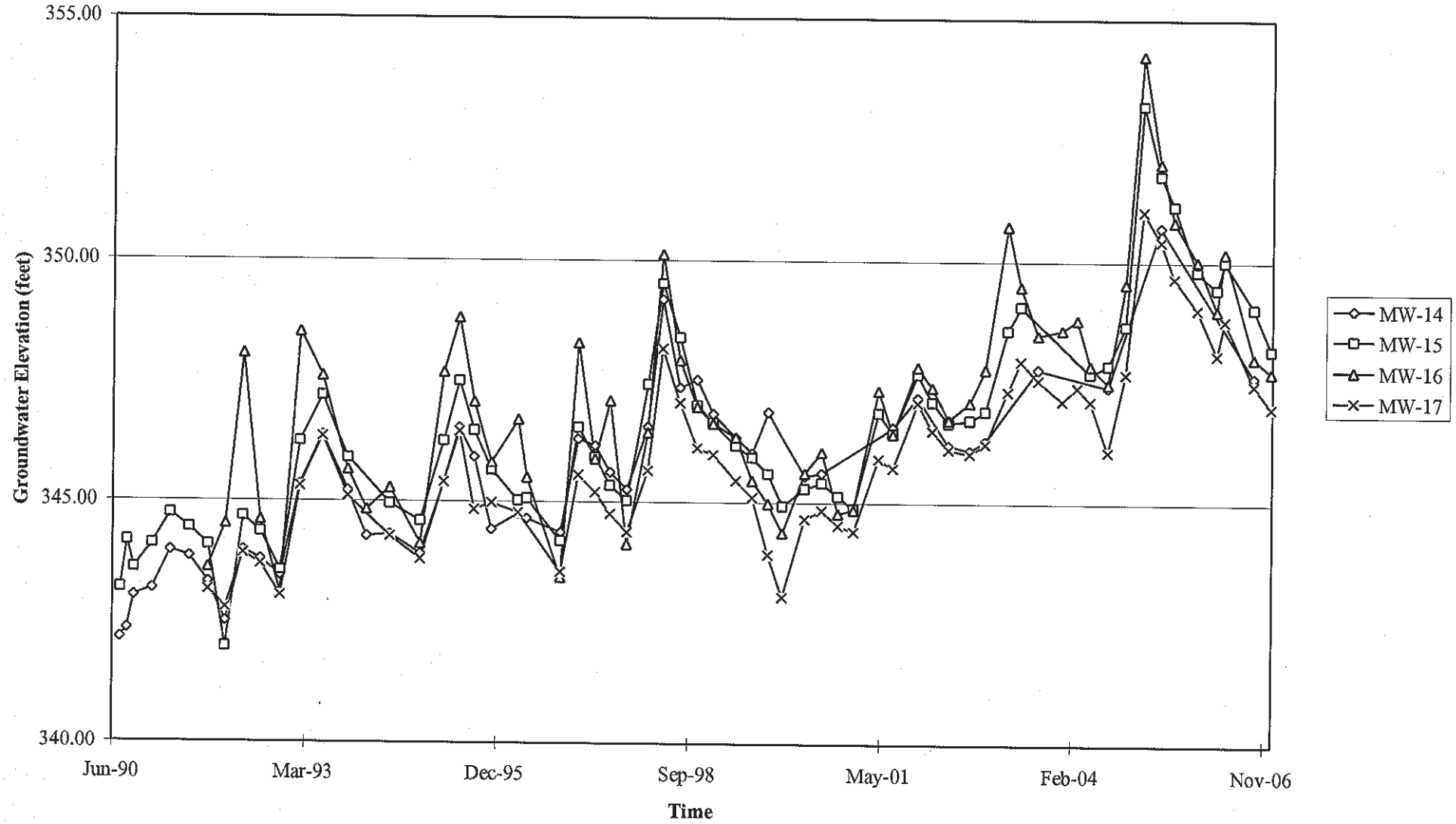
GRAPHS

Groundwater Elevations vs. Time
76 Station 5408



Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time
76 Station 5408



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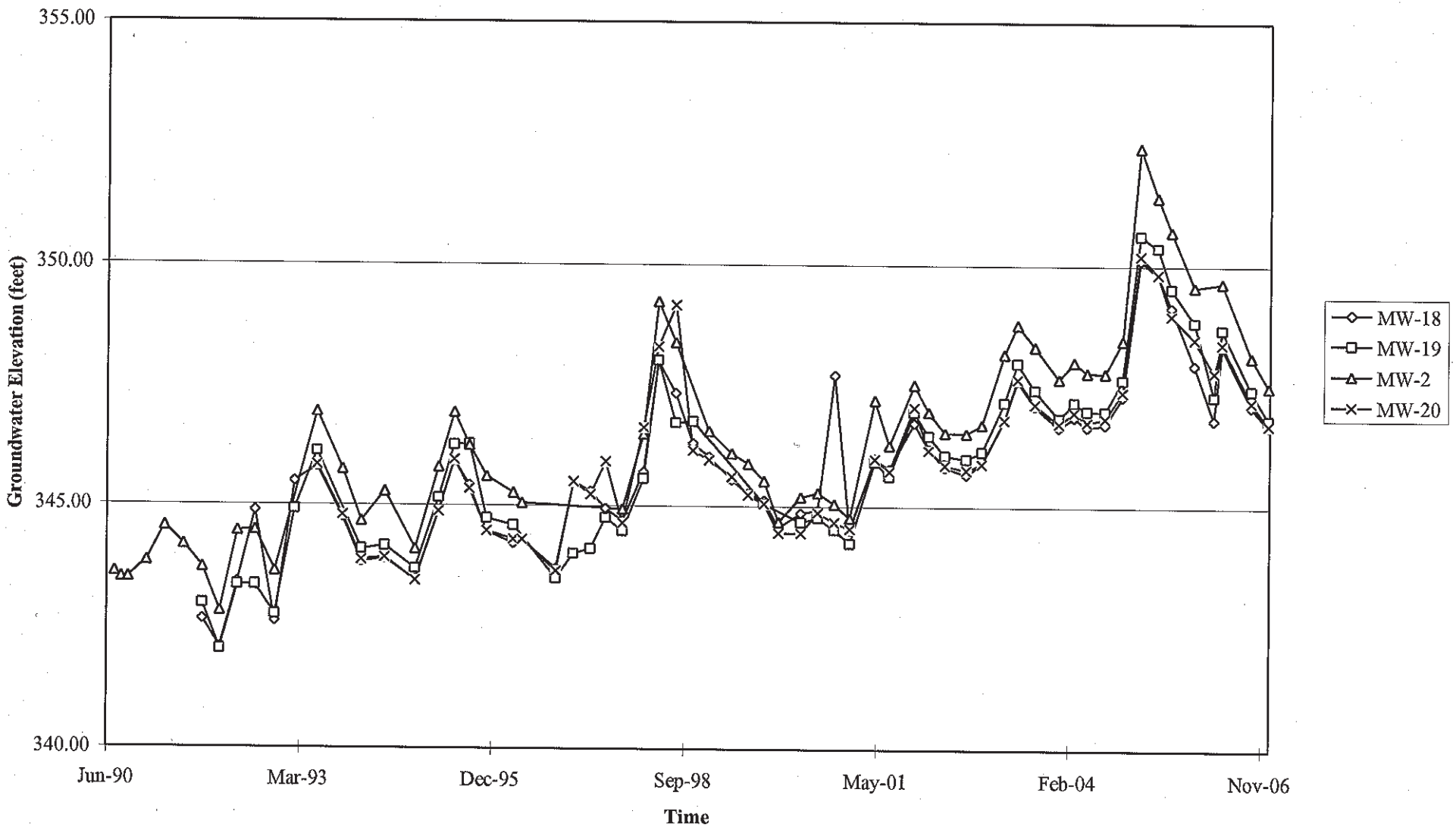
Groundwater Elevations vs. Time
76 Station 5408



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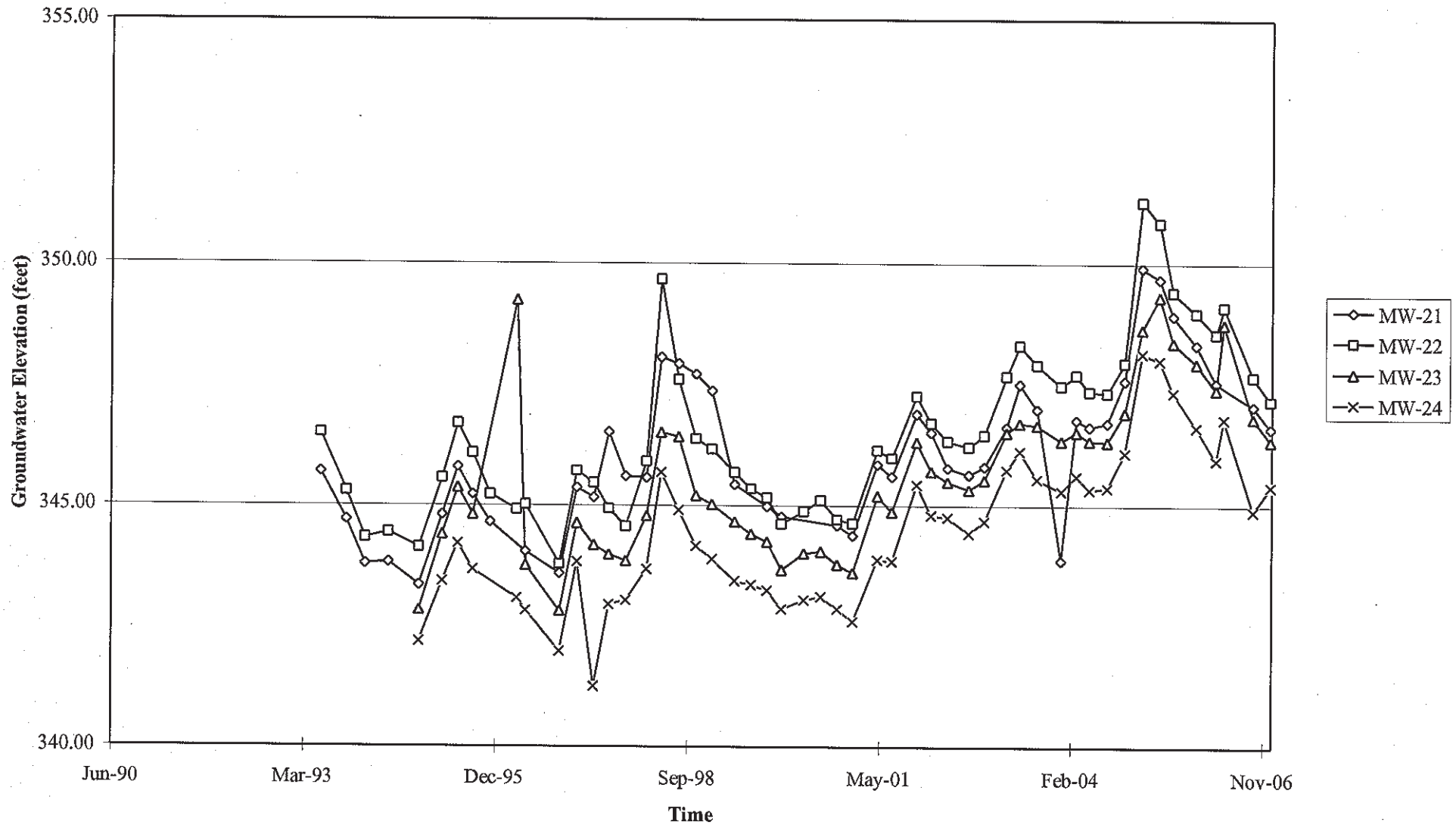
Groundwater Elevations vs. Time
76 Station 5408



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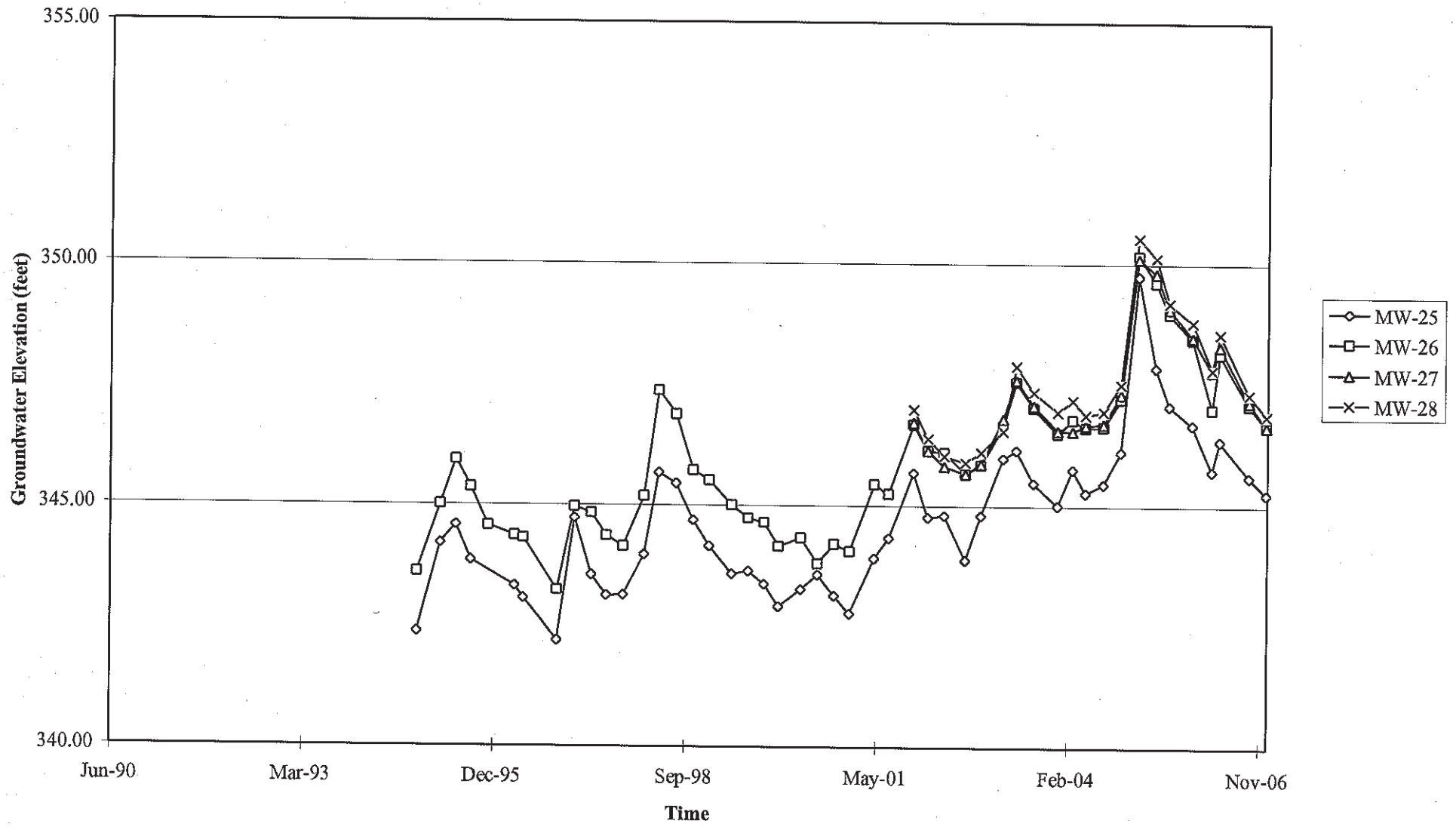
Groundwater Elevations vs. Time
76 Station 5408



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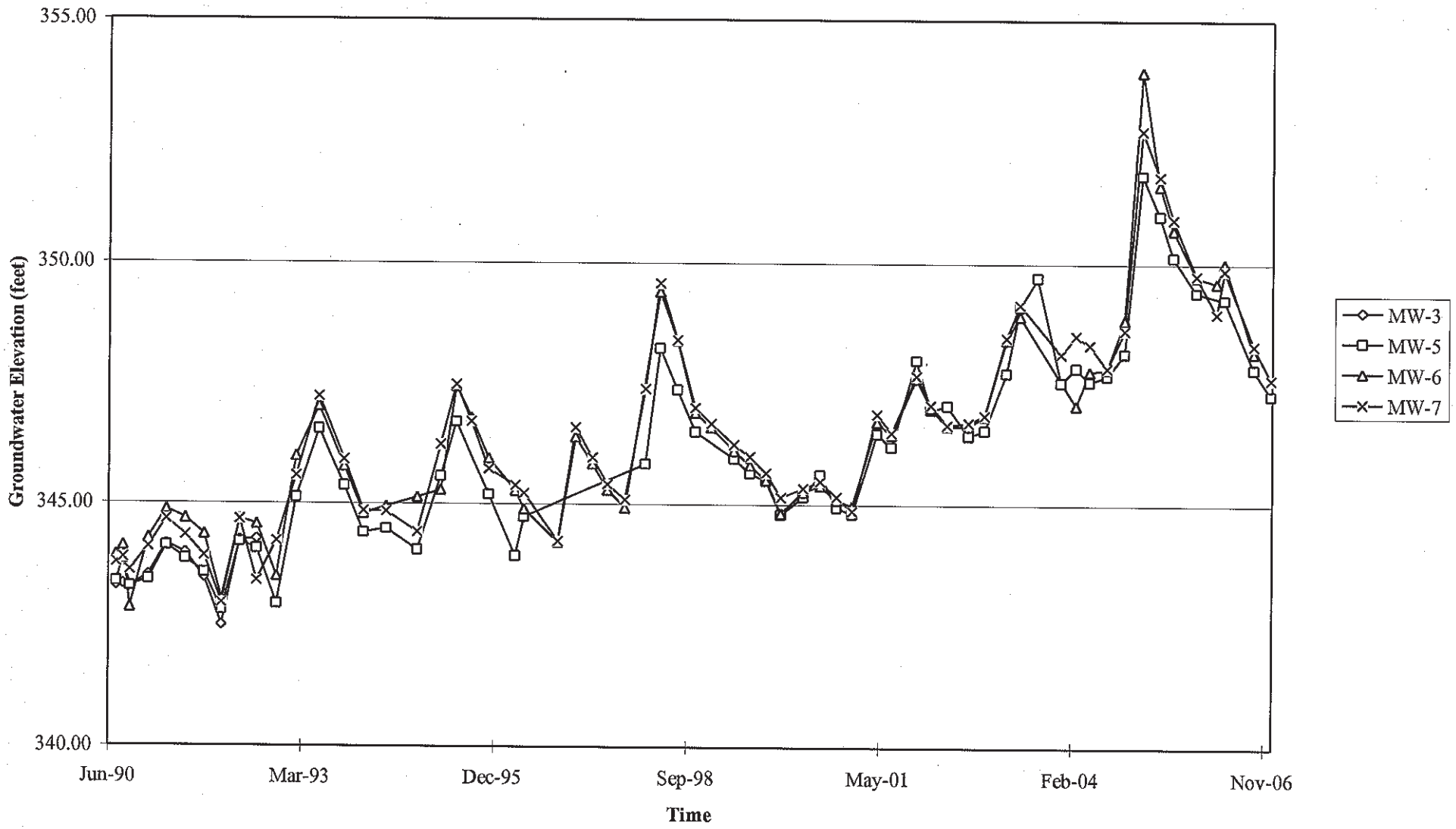
Groundwater Elevations vs. Time
76 Station 5408



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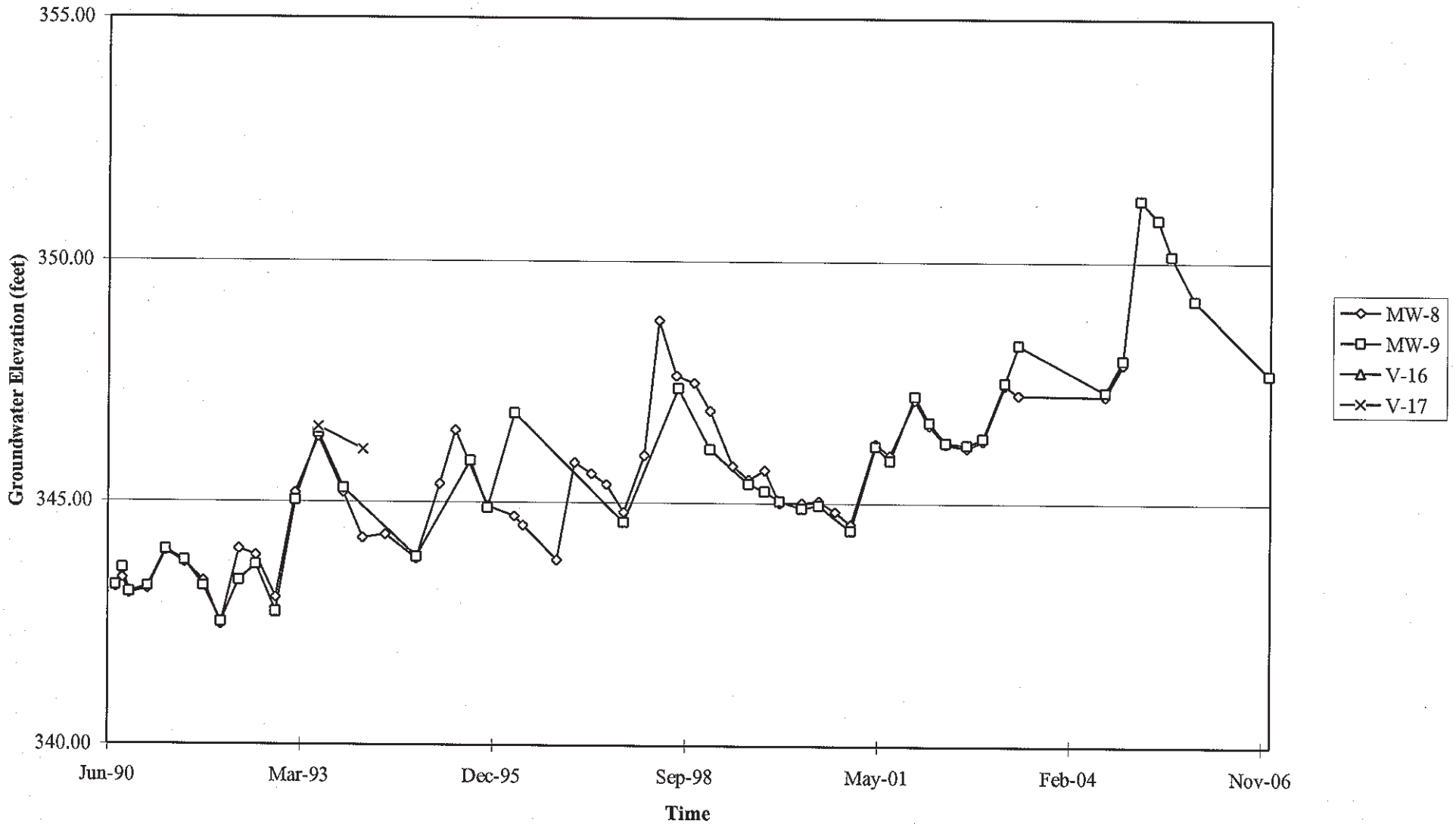
Groundwater Elevations vs. Time
76 Station 5408



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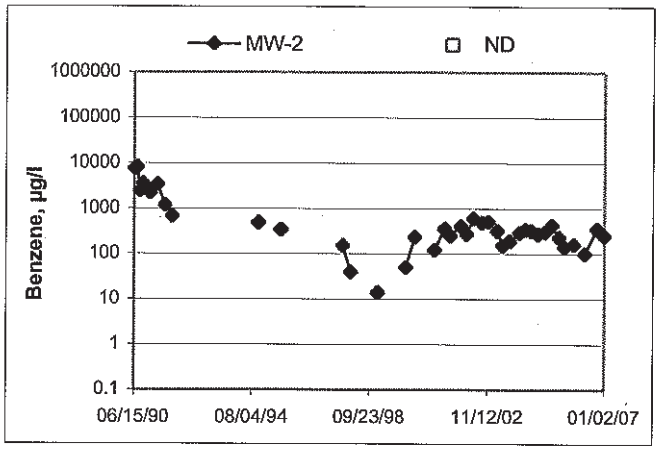
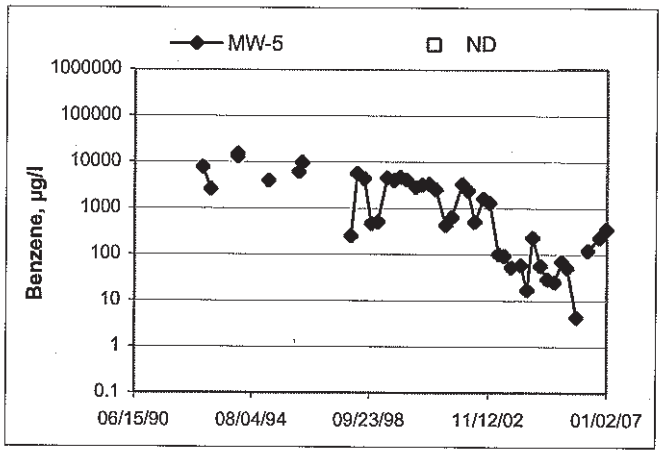
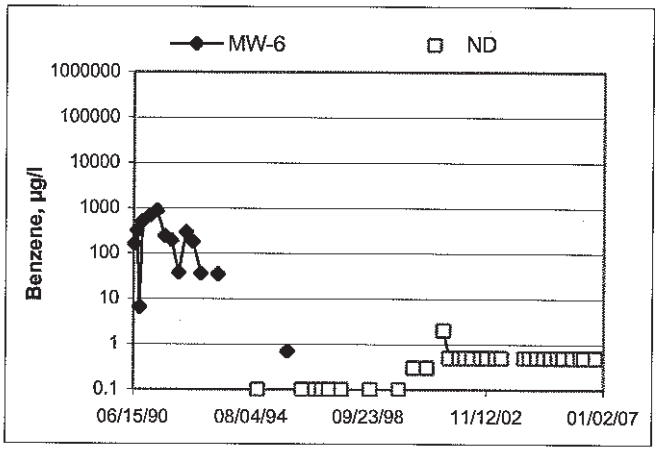
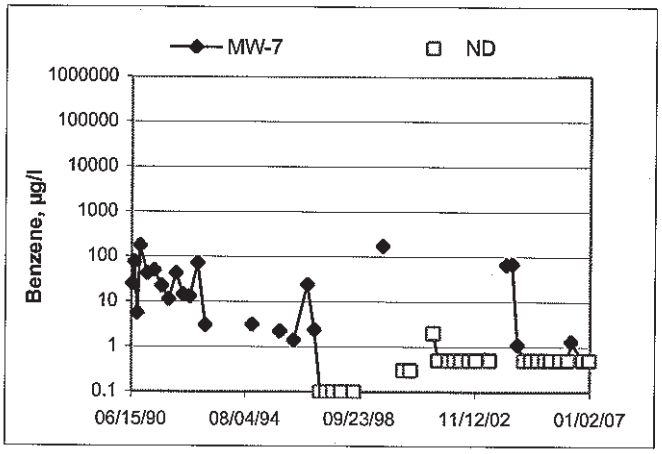
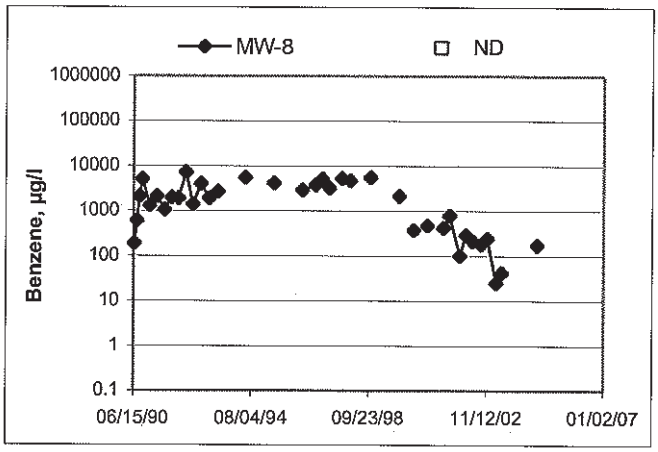
Benzene Concentrations vs Time
76 Station 5408

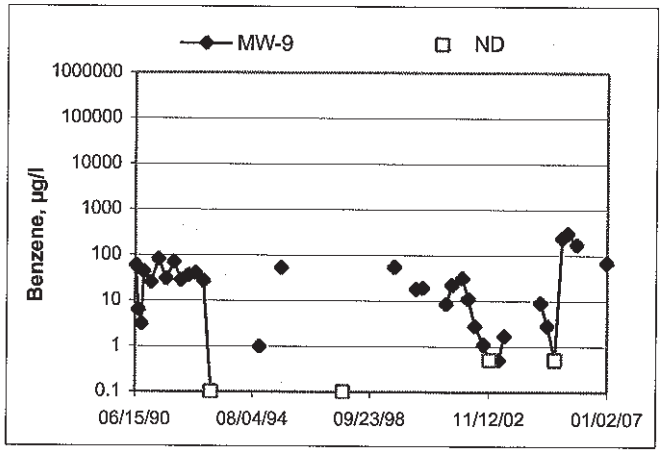


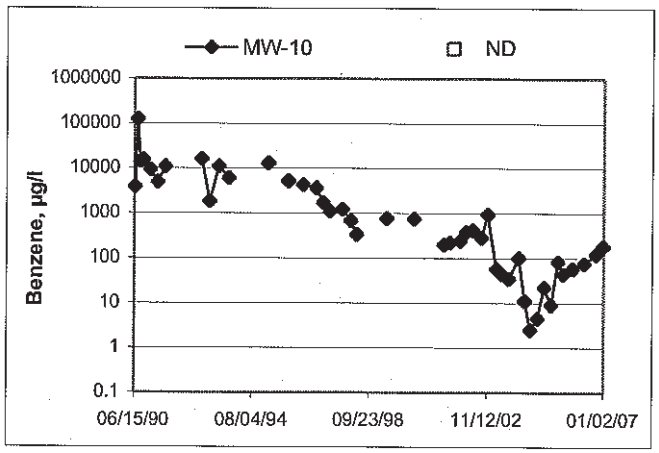


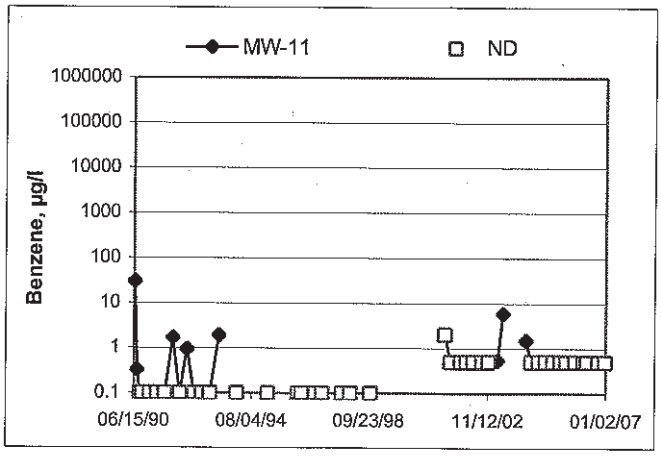




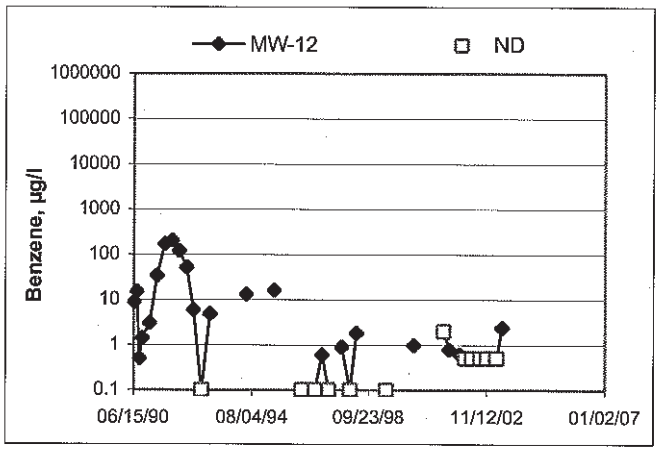


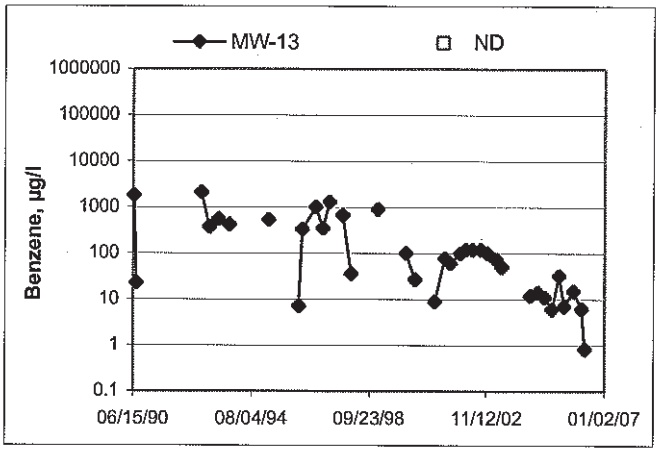


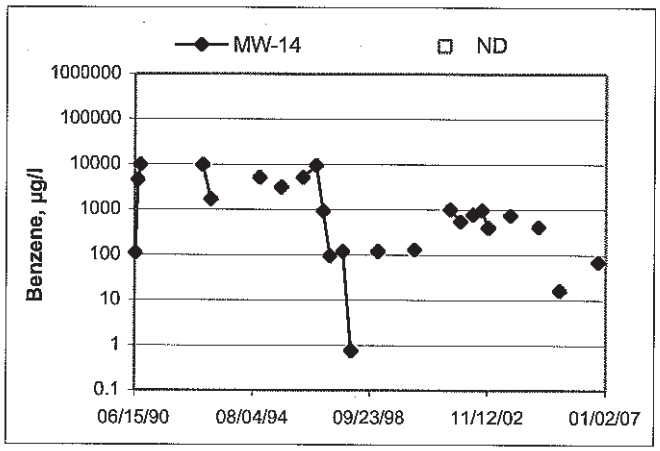


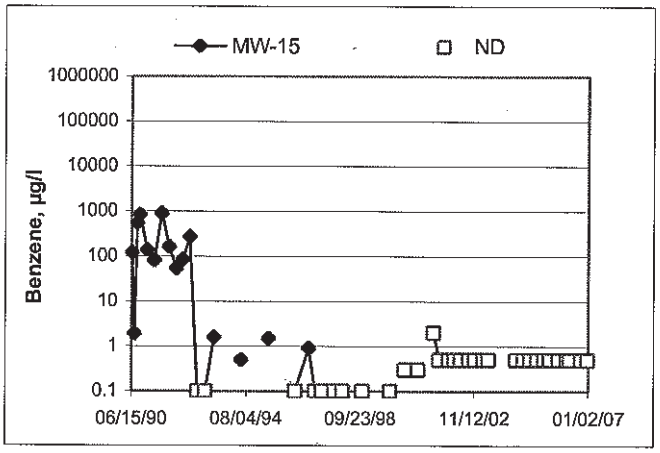


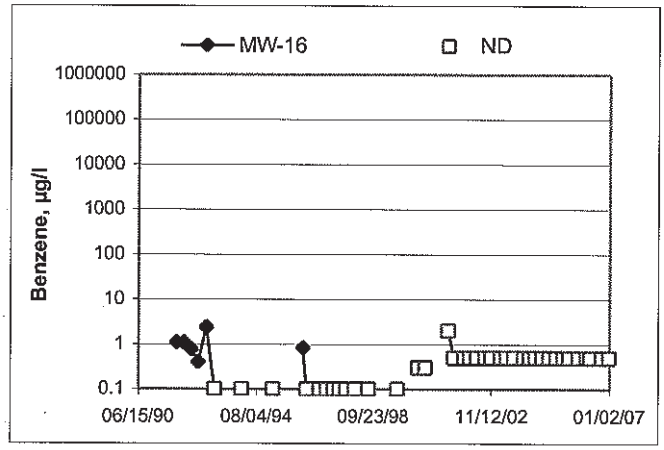
Benzene Concentrations vs Time
76 Station 5408

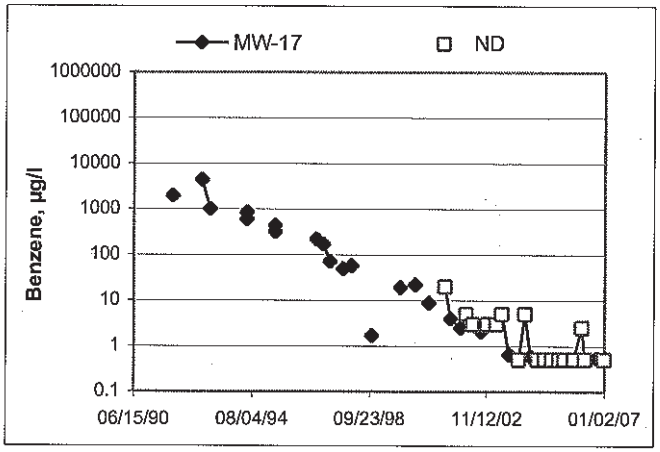


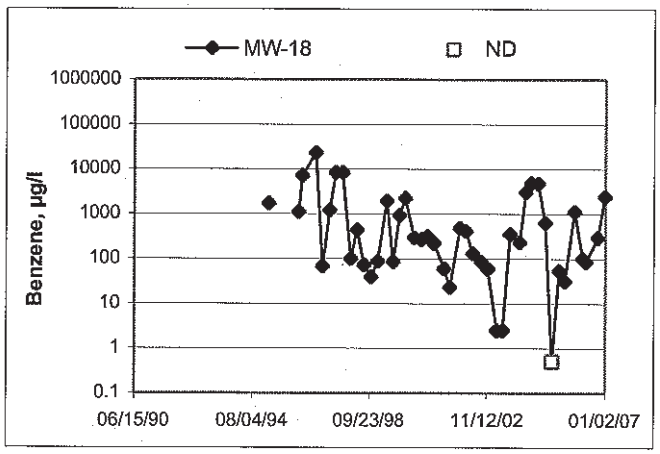


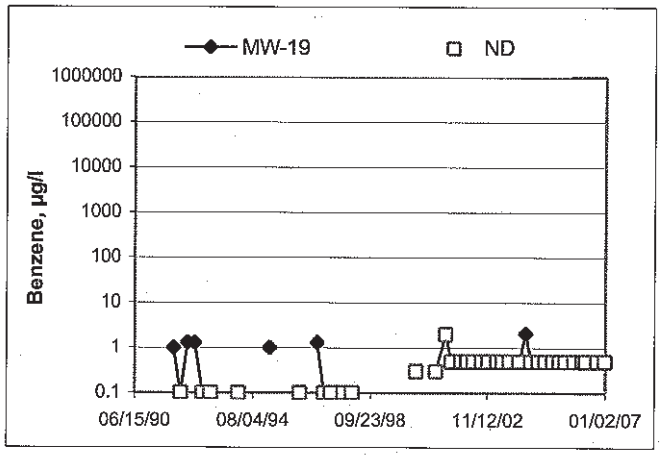




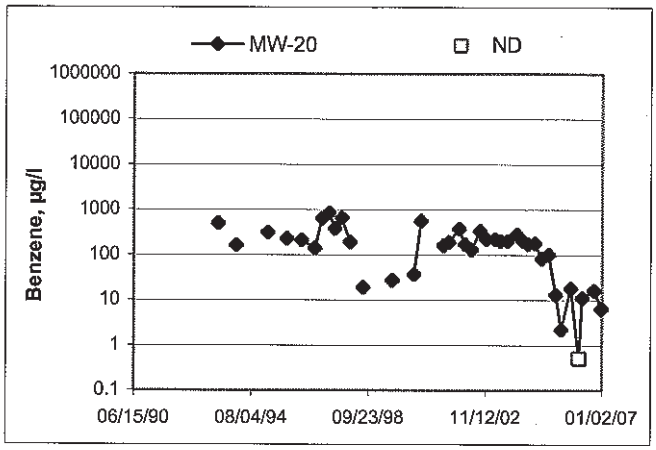


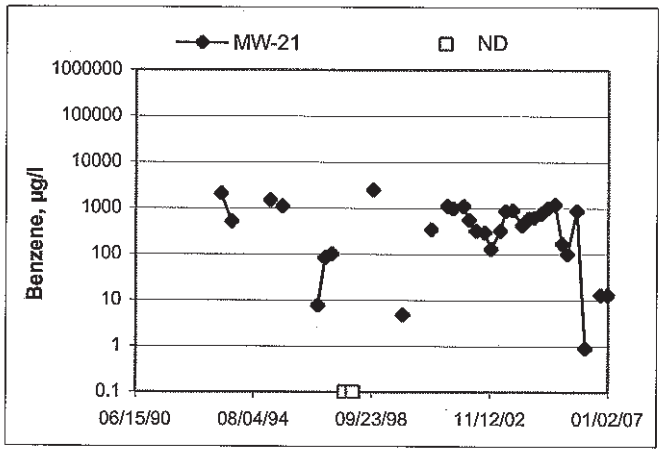


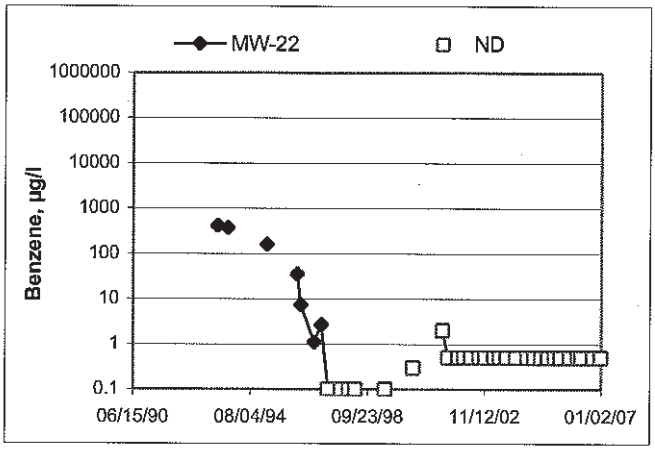


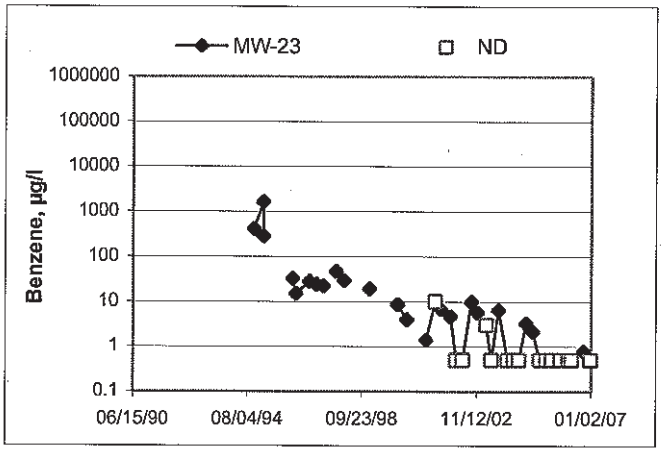


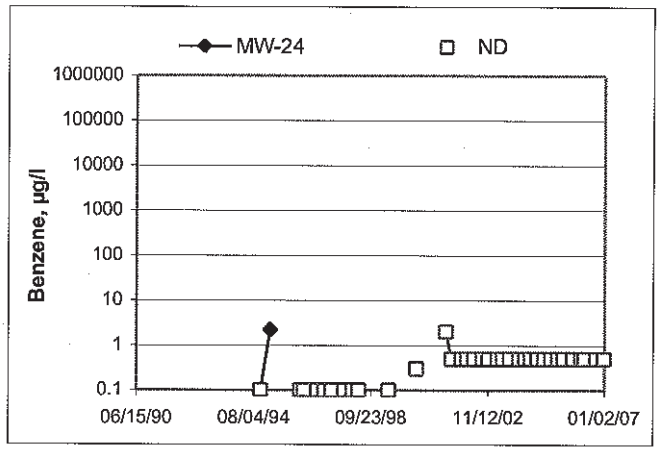
Benzene Concentrations vs Time
76 Station 5408

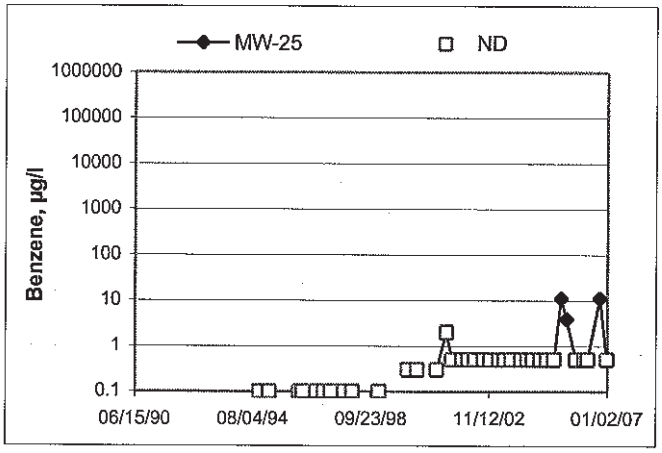


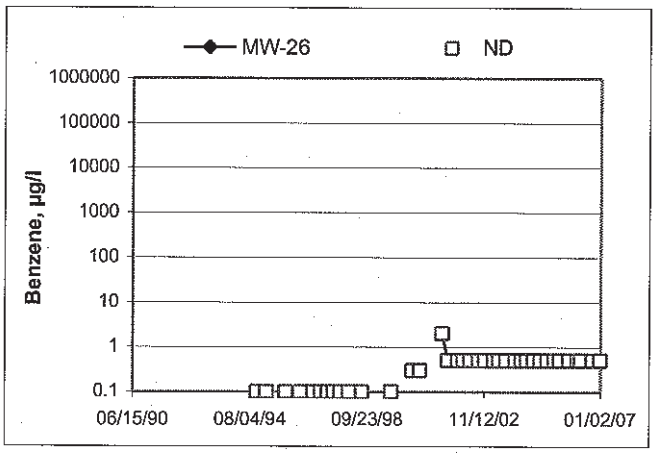


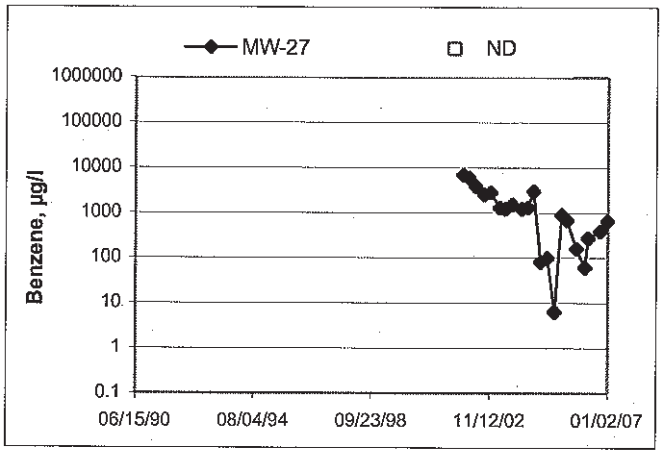




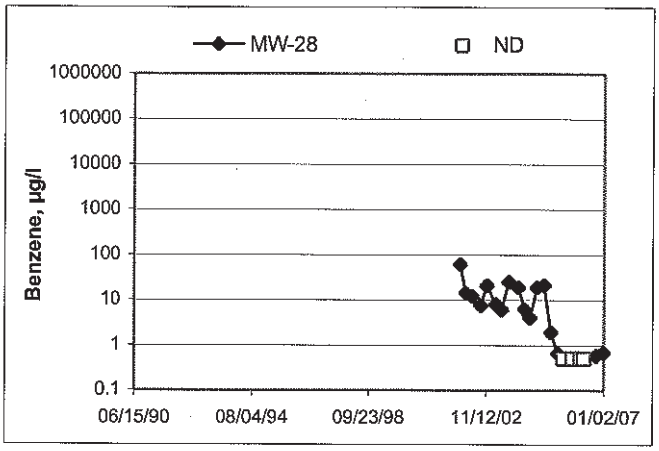








Benzene Concentrations vs Time
76 Station 5408



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurements are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, sample time, and the sampler's initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least affected well and ending with the well that has the highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected to the most-affected well.

Decontamination

In order to reduce the possibility of cross contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular wells, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

Technician: Carrillo Job #/Task #: 20010090 Date: 12.26.06

Site # 5409 Project Manager AF. Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-25	X	0801	20.15	11.35	⊖	⊖	0821	
MW-21	X	0826	27.30	13.97	⊖	⊖	0921	
MW-20	X	0844	29.05	13.87	⊖	⊖	0914	
MW-13	X	0921	29.63	15.62	⊖	⊖	N/A	unable to access
MW-2	X	0930	24.75	15.15	⊖	⊖	0948	
MW-5	X	0957	20.50	14.70	⊖	⊖	1015	
MW-14	X	N/A	N/A	N/A	—	—	N/S	CARRIER WELL

FIELD DATA COMPLETE ✓ QA/QC ✓ COC ✓ WELL BOX CONDITION SHEETS

MANIFEST DRUM INVENTORY ✓ TRAFFIC CONTROL

TRC

FIELD MONITORING DATA SHEET

Technician: Baltazar Job #/Task #: 20040090/FA20 Date: 12/26/06

Site # 5408 Project Manager AF- Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-16	X	0401	29.62	13.82	Ø	Ø	0404	4"
MW-22	X	0418	25.65	13.98	Ø	Ø	0421	4"
MW-6	—	—	N/A	N/A	—	—	N/S	unable to locate cover with Asphalt or Dirt, if in grass
2* MW-15	X	0455	28.53	14.28	Ø	Ø	0458	4"
MW-7	X	0506	24.40	14.66	Ø	Ø	0509	2"
MW-26	X	0528	27.01	14.25	Ø	Ø	0531	4"
*3 MW-11	X	0547	29.75	15.93	Ø	Ø	0550	4"
MW-19	X	0615	29.03	13.27	Ø	Ø	0618	4" A lot of roots in well.
MW-24	X	0633	19.40	11.35	Ø	Ø	0636	4"
MW-17	X	0658	29.94	13.83	Ø	Ø	0701	4"
MW-28	X	0711	24.66	14.39	Ø	Ø	0714	4"
MW-23	X	0729	24.94	11.88	Ø	Ø	0732	4"
MW-10	X	0749	24.60	14.88	Ø	Ø	0752	4"
MW-9	X	0813	28.43	15.11	Ø	Ø	0816	4"
MW-18	X	0829	28.73	14.07	Ø	Ø	0832	4"
MW-27	X	0847	24.25	14.41	Ø	Ø	0850	4". Roots in well.

FIELD DATA COMPLETE ✓ QA/QC COC WELL BOX CONDITION SHEETS ✓

MANIFEST DRUM INVENTORY TRAFFIC CONTROL ✓

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Carrillo

Site: S-108 Project No.: 20040010 Date: 12.28.06

①

Well No. MW-20 Purge Method: S.S. (Low-Flow)

Depth to Water (feet): 11.38 Depth to Product (feet): 0

Total Depth (feet) 20.19 LPH & Water Recovered (gallons): 0

Water Column (feet): 8.80 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 13.11 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	D.O	ORP	Turbidity
0805			Initial	0.224	19.3	7.39	14.76	-214	22.1
			5	0.208	20.1	7.08	13.34	-174	18.2
			10	0.206	20.4	7.08	13.20	-180	10.8
	0817		15	0.205	20.6	7.04	12.89	-168	10.1

Static at Time Sampled	Total Gallons Purged	Sample Time
12.08	15	0821

Comments:

Well No. MW-21 Purge Method: S.S. (Low-flow)

Depth to Water (feet): 13.97 Depth to Product (feet): 0

Total Depth (feet) 27.30 LPH & Water Recovered (gallons): 0

Water Column (feet): 13.33 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 16.63 1 Well Volume (gallons): 8

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	D.O	ORP	Turbidity
0820			Initial	0.241	19.5	7.42	12.34	-294	24.6
			5	0.215	19.8	7.12	12.04	-201	18.5
	0839		10	0.213	19.9	7.15	12.00	-194	13.2
			24	~~0.212~~	—	—	—	—	—

Static at Time Sampled	Total Gallons Purged	Sample Time
15.31	16	0921

Comments: Dry @ 16 gallons –

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: CARRILLO

Site: 5408 Project No.: 20040090 Date: 12-26-06

③

Well No. MW-20 Purge Method: SVS

Depth to Water (feet): 13.87 Depth to Product (feet): -0

Total Depth (feet) 29.05 LPH & Water Recovered (gallons): 0

Water Column (feet): 15.18 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 16.90 1 Well Volume (gallons): 9

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	D.O.	ORP	Turbidity
0845			Initial	0.218	21.0	7.12	12.34	-87	29.4
			9	0.208	19.8	6.98	10.18	-80	15.8
			18	0.204	19.9	6.99	9.87	-94	14.5
	0910		27	0.203	20.1	7.01	9.67	-99	13.2

Static at Time Sampled	Total Gallons Purged	Sample Time
14.89	27	0914

Comments:

Well No. MW-13 Purge Method: SVS - (Low flow)

Depth to Water (feet): 15.62 Depth to Product (feet): -0

Total Depth (feet) 29.63 LPH & Water Recovered (gallons): -0

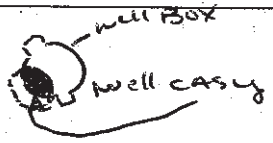
Water Column (feet): 14.01 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 18.42 1 Well Volume (gallons): 9

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	D.O.	ORP	Turbidity

Static at Time Sampled	Total Gallons Purged	Sample Time

Comments: Well Box NOT put on straight down the well - Pump unable to go down well)



TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Carrillo

Site: 5408 Project No.: 20010090 Date: 12-26-06

(3)

Well No. MW-2 Purge Method: SUB - (LOW FLOW)

Depth to Water (feet): 13.15 Depth to Product (feet): 0

Total Depth (feet) 24.75 LPH & Water Recovered (gallons): 0

Water Column (feet): 9.60 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 17.07 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	D.O.	ORP	Turbidity
0932			Initial	0.324	20.1	6.84	15.01	-92	304.1
			1	0.278	19.3	7.01	10.30	-134	268.0
	~~0940~~		2	0.264	19.5	7.04	10.04	-140	68.3
	0940		3	0.260	19.7	6.99	9.87	-148	54.1

Static at Time Sampled	Total Gallons Purged	Sample Time
16.28	3	0948

Comments:

Well No. MW-5 Purge Method: SUB (LOW FLOW)

Depth to Water (feet): 14.70 Depth to Product (feet): 0

Total Depth (feet) 20.50 LPH & Water Recovered (gallons): 0

Water Column (feet): 5.80 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 15.86 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	D.O.	ORP	Turbidity
1000			Initial	0.258	20.7	6.94	12.06	-98	100.3
			1	0.209	20.1	6.98	10.96	-204	84.2
			2	0.208	20.4	7.01	9.84	-195	43.9
	1008		3	0.205	20.2	7.04	9.80	-182	39.2

Static at Time Sampled	Total Gallons Purged	Sample Time
15.04	3	1015

Comments:

(64)

TRC

STATEMENT OF NON-COMPLETION OF JOB

DATE OF EVENT: 12-26-86 STATION NUMBER: 54022

NAME OF TECH: Carrillo CALLED GORDON: ✓

CALLED PM: _____ NAME OF PM CALLED: _____

WELL NUMBER: MW-14 STATEMENT FROM PM _____ OR TECH _____

unable to purge or sample Due to
cars over well when arrived on site
Tech left site

WELL NUMBER: MW-13 STATEMENT FROM PM _____ OR TECH _____

Unable to Purge due to well
Box uneven with casing
Example

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

PAGE _____

BC LABORATORIES, INC.

Date of Report: 01/05/2007

Anju Farfan

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

RE: 5408
BC Work Order: 0613507

Enclosed are the results of analyses for samples received by the laboratory on 12/26/2006 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Vanessa Hooker
Client Service Rep

Authorized Signature

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0613507-01	**COC Number:** ---		**Receive Date:**	12/26/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 08:21	Global ID: T06005901215
	Sampling Location:	MW-25	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-25	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Carrillo of TRCI			Cooler ID:
0613507-02	**COC Number:** ---		**Receive Date:**	12/26/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 09:21	Global ID: T06005901215
	Sampling Location:	MW-21	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-21	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Carrillo of TRCI			Cooler ID:
0613507-03	**COC Number:** ---		**Receive Date:**	12/26/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 09:14	Global ID: T0605901215
	Sampling Location:	MW-20	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-20	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Carrillo of TRCI			Cooler ID:
0613507-04	**COC Number:** ---		**Receive Date:**	12/26/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 09:48	Global ID: T06005901215
	Sampling Location:	MW-2	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-2	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Carrillo of TRCI			Cooler ID:
0613507-05	**COC Number:** ---		**Receive Date:**	12/26/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 10:15	Global ID: T06005901215
	Sampling Location:	MW-5	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-5	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Carrillo of TRCI			Cooler ID:

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613507-01 | **Client Sample Name:** 5408, MW-25, MW-25, 12/26/2006 8:21:00AM, Carrillo

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	01/02/07	01/02/07 16:30	MWB	MS-V9	1	BQA0104	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	01/02/07	01/02/07 16:30	MWB	MS-V9	1	BQA0104	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	01/02/07	01/02/07 16:30	MWB	MS-V9	1	BQA0104	ND	
Toluene	ND	ug/L	0.50		EPA-8260	01/02/07	01/02/07 16:30	MWB	MS-V9	1	BQA0104	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	01/02/07	01/02/07 16:30	MWB	MS-V9	1	BQA0104	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	01/02/07	01/02/07 16:30	MWB	MS-V9	1	BQA0104	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	01/02/07	01/02/07 16:30	MWB	MS-V9	1	BQA0104	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	01/02/07	01/02/07 16:30	MWB	MS-V9	1	BQA0104	ND	
Ethanol	ND	ug/L	1000		EPA-8260	01/02/07	01/02/07 16:30	MWB	MS-V9	1	BQA0104	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	01/02/07	01/02/07 16:30	MWB	MS-V9	1	BQA0104	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	01/02/07	01/02/07 16:30	MWB	MS-V9	1	BQA0104	ND	
1,2-Dichloroethane-d4 (Surrogate)	81.1	%	76 - 114 (LCL - UCL)		EPA-8260	01/02/07	01/02/07 16:30	MWB	MS-V9	1	BQA0104		
Toluene-d8 (Surrogate)	105	%	88 - 110 (LCL - UCL)		EPA-8260	01/02/07	01/02/07 16:30	MWB	MS-V9	1	BQA0104		
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)		EPA-8260	01/02/07	01/02/07 16:30	MWB	MS-V9	1	BQA0104		

BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Water Analysis (General Chemistry)

BCL Sample ID: 0613507-01 | **Client Sample Name:** 5408, MW-25, MW-25, 12/26/2006 8:21:00AM, Carrillo

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Alkalinity as CaCO3	370	mg/L	10		EPA-310.1	12/29/06	12/29/06 12:40	MAR	BDB	4	BPL1494	ND	A01
Nitrate as N	ND	mg/L	0.10		EPA-300.0	12/26/06	12/27/06 02:23	LMB	IC2	1	BPL1299	ND	
Sulfate	250	mg/L	1.0		EPA-300.0	12/26/06	12/27/06 02:23	LMB	IC2	1	BPL1299	ND	
Iron (II) Species	ND	ug/L	100		SM-3500-Fe	12/27/06	12/27/06 14:15	MV1	SPEC05	1	BPL1384	ND	

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Water Analysis (Metals)

BCL Sample ID: 0613507-01 | **Client Sample Name:** 5408, MW-25, MW-25, 12/26/2006 8:21:00AM, Carrillo

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Manganese	ND	ug/L	10		EPA-6010B	12/28/06	12/28/06 11:22	ARD	PE-OP1	1	BPL1381	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613507-02 | **Client Sample Name:** 5408, MW-21, MW-21, 12/26/2006 9:21:00AM, Carrillo

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	13	ug/L	0.50		EPA-8260	01/02/07	01/02/07 22:59	MWB	MS-V9	1	BQA0104	ND	
Ethylbenzene	1.4	ug/L	0.50		EPA-8260	01/02/07	01/02/07 22:59	MWB	MS-V9	1	BQA0104	ND	
Methyl t-butyl ether	9.4	ug/L	0.50		EPA-8260	01/02/07	01/02/07 22:59	MWB	MS-V9	1	BQA0104	ND	
Toluene	ND	ug/L	0.50		EPA-8260	01/02/07	01/02/07 22:59	MWB	MS-V9	1	BQA0104	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	01/02/07	01/02/07 22:59	MWB	MS-V9	1	BQA0104	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	01/02/07	01/02/07 22:59	MWB	MS-V9	1	BQA0104	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	01/02/07	01/02/07 22:59	MWB	MS-V9	1	BQA0104	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	01/02/07	01/02/07 22:59	MWB	MS-V9	1	BQA0104	ND	
Ethanol	ND	ug/L	1000		EPA-8260	01/02/07	01/02/07 22:59	MWB	MS-V9	1	BQA0104	ND	V11
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	01/02/07	01/02/07 22:59	MWB	MS-V9	1	BQA0104	ND	
Total Purgeable Petroleum Hydrocarbons	87	ug/L	50		EPA-8260	01/02/07	01/02/07 22:59	MWB	MS-V9	1	BQA0104	ND	
1,2-Dichloroethane-d4 (Surrogate)	82.3	%	76 - 114 (LCL - UCL)		EPA-8260	01/02/07	01/02/07 22:59	MWB	MS-V9	1	BQA0104		
Toluene-d8 (Surrogate)	108	%	88 - 110 (LCL - UCL)		EPA-8260	01/02/07	01/02/07 22:59	MWB	MS-V9	1	BQA0104		
4-Bromofluorobenzene (Surrogate)	106	%	86 - 115 (LCL - UCL)		EPA-8260	01/02/07	01/02/07 22:59	MWB	MS-V9	1	BQA0104		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Water Analysis (General Chemistry)

BCL Sample ID: 0613507-02 | **Client Sample Name:** 5408, MW-21, MW-21, 12/26/2006 9:21:00AM, Carrillo

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Alkalinity as CaCO3	570	mg/L	10		EPA-310.1	12/29/06	12/29/06 12:40	MAR	BDB	4	BPL1494	ND	A01
Nitrate as N	ND	mg/L	0.20		EPA-300.0	12/26/06	12/27/06 02:34	LMB	IC2	2	BPL1299	ND	A01
Sulfate	140	mg/L	2.0		EPA-300.0	12/26/06	12/27/06 02:34	LMB	IC2	2	BPL1299	ND	A01
Iron (II) Species	2800	ug/L	100		SM-3500-Fe	12/27/06	12/27/06 14:15	MV1	SPEC05	1	BPL1384	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Water Analysis (Metals)

BCL Sample ID: 0613507-02 | **Client Sample Name:** 5408, MW-21, MW-21, 12/26/2006 9:21:00AM, Carrillo

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Manganese	920	ug/L	10		EPA-6010B	12/28/06	12/28/06 12:01	ARD	PE-OP1	1	BPL1381	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613507-03 | **Client Sample Name:** 5408, MW-20, MW-20, 12/26/2006 9:14:00AM, Carrillo

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	6.4	ug/L	0.50		EPA-8260	01/02/07	01/02/07 23:25	MWB	MS-V9	1	BQA0104	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	01/02/07	01/02/07 23:25	MWB	MS-V9	1	BQA0104	ND	
Methyl t-butyl ether	1.7	ug/L	0.50		EPA-8260	01/02/07	01/02/07 23:25	MWB	MS-V9	1	BQA0104	ND	
Toluene	ND	ug/L	0.50		EPA-8260	01/02/07	01/02/07 23:25	MWB	MS-V9	1	BQA0104	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	01/02/07	01/02/07 23:25	MWB	MS-V9	1	BQA0104	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	01/02/07	01/02/07 23:25	MWB	MS-V9	1	BQA0104	ND	
t-Butyl alcohol	810	ug/L	10		EPA-8260	01/02/07	01/02/07 23:25	MWB	MS-V9	1	BQA0104	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	01/02/07	01/02/07 23:25	MWB	MS-V9	1	BQA0104	ND	
Ethanol	ND	ug/L	1000		EPA-8260	01/02/07	01/02/07 23:25	MWB	MS-V9	1	BQA0104	ND	V11
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	01/02/07	01/02/07 23:25	MWB	MS-V9	1	BQA0104	ND	
Total Purgeable Petroleum Hydrocarbons	200	ug/L	50		EPA-8260	01/02/07	01/02/07 23:25	MWB	MS-V9	1	BQA0104	ND	
1,2-Dichloroethane-d4 (Surrogate)	83.5	%	76 - 114 (LCL - UCL)		EPA-8260	01/02/07	01/02/07 23:25	MWB	MS-V9	1	BQA0104		
Toluene-d8 (Surrogate)	106	%	88 - 110 (LCL - UCL)		EPA-8260	01/02/07	01/02/07 23:25	MWB	MS-V9	1	BQA0104		
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260	01/02/07	01/02/07 23:25	MWB	MS-V9	1	BQA0104		

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Water Analysis (General Chemistry)

BCL Sample ID: 0613507-03 | **Client Sample Name:** 5408, MW-20, MW-20, 12/26/2006 9:14:00AM, Carrillo

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Alkalinity as CaCO3	650	mg/L	10		EPA-310.1	12/29/06	12/29/06 12:40	MAR	BDB	4	BPL1494	ND	A01
Nitrate as N	ND	mg/L	0.20		EPA-300.0	12/26/06	12/27/06 02:44	LMB	IC2	2	BPL1299	ND	A01
Sulfate	14	mg/L	2.0		EPA-300.0	12/26/06	12/27/06 02:44	LMB	IC2	2	BPL1299	ND	A01
Iron (II) Species	4000	ug/L	100		SM-3500-Fe	12/27/06	12/27/06 14:15	MV1	SPEC05	1	BPL1384	ND	

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Water Analysis (Metals)

BCL Sample ID: 0613507-03 | **Client Sample Name:** 5408, MW-20, MW-20, 12/26/2006 9:14:00AM, Carrillo

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Manganese	2400	ug/L	10		EPA-6010B	12/28/06	12/28/06 12:05	ARD	PE-OP1	1	BPL1381	ND	

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613507-04 | **Client Sample Name:** 5408, MW-2, MW-2, 12/26/2006 9:48:00AM, Carrillo

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	250	ug/L	5.0		EPA-8260	01/02/07	01/03/07 15:17	MWB	MS-V9	10	BQA0104	ND	A01
Ethylbenzene	720	ug/L	5.0		EPA-8260	01/02/07	01/03/07 15:17	MWB	MS-V9	10	BQA0104	ND	A01
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	01/02/07	01/03/07 15:42	MWB	MS-V9	1	BQA0104	ND	
Toluene	290	ug/L	5.0		EPA-8260	01/02/07	01/03/07 15:17	MWB	MS-V9	10	BQA0104	ND	A01
Total Xylenes	1600	ug/L	10		EPA-8260	01/02/07	01/03/07 15:17	MWB	MS-V9	10	BQA0104	ND	A01
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	01/02/07	01/03/07 15:42	MWB	MS-V9	1	BQA0104	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	01/02/07	01/03/07 15:42	MWB	MS-V9	1	BQA0104	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	01/02/07	01/03/07 15:42	MWB	MS-V9	1	BQA0104	ND	
Ethanol	ND	ug/L	1000		EPA-8260	01/02/07	01/03/07 15:42	MWB	MS-V9	1	BQA0104	ND	V11
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	01/02/07	01/03/07 15:42	MWB	MS-V9	1	BQA0104	ND	
Total Purgeable Petroleum Hydrocarbons	15000	ug/L	500		EPA-8260	01/02/07	01/03/07 15:17	MWB	MS-V9	10	BQA0104	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	112	%	76 - 114 (LCL - UCL)		EPA-8260	01/02/07	01/03/07 15:42	MWB	MS-V9	1	BQA0104		
1,2-Dichloroethane-d4 (Surrogate)	77.2	%	76 - 114 (LCL - UCL)		EPA-8260	01/02/07	01/03/07 15:17	MWB	MS-V9	10	BQA0104		
Toluene-d8 (Surrogate)	117	%	88 - 110 (LCL - UCL)		EPA-8260	01/02/07	01/03/07 15:42	MWB	MS-V9	1	BQA0104		A19,S09
Toluene-d8 (Surrogate)	105	%	88 - 110 (LCL - UCL)		EPA-8260	01/02/07	01/03/07 15:17	MWB	MS-V9	10	BQA0104		
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260	01/02/07	01/03/07 15:17	MWB	MS-V9	10	BQA0104		
4-Bromofluorobenzene (Surrogate)	115	%	86 - 115 (LCL - UCL)		EPA-8260	01/02/07	01/03/07 15:42	MWB	MS-V9	1	BQA0104		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Water Analysis (General Chemistry)

BCL Sample ID: 0613507-04 | **Client Sample Name:** 5408, MW-2, MW-2, 12/26/2006 9:48:00AM, Carrillo

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Alkalinity as CaCO3	690	mg/L	10		EPA-310.1	12/29/06	12/29/06 12:40	MAR	BDB	4	BPL1494	ND	A01
Nitrate as N	ND	mg/L	0.20		EPA-300.0	12/26/06	12/27/06 03:16	LMB	IC2	2	BPL1299	ND	A01
Sulfate	5.6	mg/L	2.0		EPA-300.0	12/26/06	12/27/06 03:16	LMB	IC2	2	BPL1299	ND	A01
Iron (II) Species	4100	ug/L	200		SM-3500-Fe	12/27/06	12/27/06 14:15	MV1	SPEC05	2	BPL1384	ND	A01

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Water Analysis (Metals)

BCL Sample ID: 0613507-04 | **Client Sample Name:** 5408, MW-2, MW-2, 12/26/2006 9:48:00AM, Carrillo

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Manganese	490	ug/L	10		EPA-6010B	12/28/06	12/28/06 12:10	ARD	PE-OP1	1	BPL1381	ND	

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613507-05 | **Client Sample Name:** 5408, MW-5, MW-5, 12/26/2006 10:15:00AM, Carrillo

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	350	ug/L	5.0		EPA-8260	01/02/07	01/03/07 02:27	MWB	MS-V9	10	BQA0104	ND	A01
Ethylbenzene	1700	ug/L	10		EPA-8260	01/02/07	01/03/07 12:49	MWB	MS-V9	20	BQA0104	ND	A01
Methyl t-butyl ether	ND	ug/L	5.0		EPA-8260	01/02/07	01/03/07 02:27	MWB	MS-V9	10	BQA0104	ND	A01
Toluene	260	ug/L	5.0		EPA-8260	01/02/07	01/03/07 02:27	MWB	MS-V9	10	BQA0104	ND	A01
Total Xylenes	3400	ug/L	20		EPA-8260	01/02/07	01/03/07 12:49	MWB	MS-V9	20	BQA0104	ND	A01
t-Amyl Methyl ether	ND	ug/L	5.0		EPA-8260	01/02/07	01/03/07 02:27	MWB	MS-V9	10	BQA0104	ND	A01
t-Butyl alcohol	ND	ug/L	100		EPA-8260	01/02/07	01/03/07 02:27	MWB	MS-V9	10	BQA0104	ND	A01
Diisopropyl ether	ND	ug/L	5.0		EPA-8260	01/02/07	01/03/07 02:27	MWB	MS-V9	10	BQA0104	ND	A01
Ethanol	ND	ug/L	10000		EPA-8260	01/02/07	01/03/07 02:27	MWB	MS-V9	10	BQA0104	ND	A01,V11
Ethyl t-butyl ether	ND	ug/L	5.0		EPA-8260	01/02/07	01/03/07 02:27	MWB	MS-V9	10	BQA0104	ND	A01
Total Purgeable Petroleum Hydrocarbons	16000	ug/L	500		EPA-8260	01/02/07	01/03/07 02:27	MWB	MS-V9	10	BQA0104	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	77.3	%	76 - 114 (LCL - UCL)		EPA-8260	01/02/07	01/03/07 12:49	MWB	MS-V9	20	BQA0104		
1,2-Dichloroethane-d4 (Surrogate)	95.8	%	76 - 114 (LCL - UCL)		EPA-8260	01/02/07	01/03/07 02:27	MWB	MS-V9	10	BQA0104		
Toluene-d8 (Surrogate)	107	%	88 - 110 (LCL - UCL)		EPA-8260	01/02/07	01/03/07 12:49	MWB	MS-V9	20	BQA0104		
Toluene-d8 (Surrogate)	105	%	88 - 110 (LCL - UCL)		EPA-8260	01/02/07	01/03/07 02:27	MWB	MS-V9	10	BQA0104		
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)		EPA-8260	01/02/07	01/03/07 12:49	MWB	MS-V9	20	BQA0104		
4-Bromofluorobenzene (Surrogate)	106	%	86 - 115 (LCL - UCL)		EPA-8260	01/02/07	01/03/07 02:27	MWB	MS-V9	10	BQA0104		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Water Analysis (General Chemistry)

BCL Sample ID: 0613507-05 | **Client Sample Name:** 5408, MW-5, MW-5, 12/26/2006 10:15:00AM, Carrillo

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Alkalinity as CaCO3	710	mg/L	10		EPA-310.1	12/29/06	12/29/06 12:40	MAR	BDB	4	BPL1494	ND	A01
Nitrate as N	ND	mg/L	0.20		EPA-300.0	12/26/06	12/27/06 03:27	LMB	IC2	2	BPL1299	ND	A01
Sulfate	5.0	mg/L	2.0		EPA-300.0	12/26/06	12/27/06 03:27	LMB	IC2	2	BPL1299	ND	A01
Iron (II) Species	36000	ug/L	1000		SM-3500-Fe	12/27/06	12/27/06 14:15	MV1	SPEC05	10	BPL1384	ND	A01

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Water Analysis (Metals)

BCL Sample ID: 0613507-05 **Client Sample Name:** 5408, MW-5, MW-5, 12/26/2006 10:15:00AM, Carrillo

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Manganese	4900	ug/L	10		EPA-6010B	12/28/06	12/28/06 12:15	ARD	PE-OP1	1	BPL1381	ND	

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BQA0104	Matrix Spike	0613507-01	0	21.780	25.000	ug/L		87.1		70 - 130	
		Matrix Spike Duplicate	0613507-01	0	20.820	25.000	ug/L	4.5	83.3	20	70 - 130	
Toluene	BQA0104	Matrix Spike	0613507-01	0	23.300	25.000	ug/L		93.2		70 - 130	
		Matrix Spike Duplicate	0613507-01	0	22.780	25.000	ug/L	2.3	91.1	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BQA0104	Matrix Spike	0613507-01	ND	8.4700	10.000	ug/L		84.7		76 - 114	
		Matrix Spike Duplicate	0613507-01	ND	8.0700	10.000	ug/L		80.7		76 - 114	
Toluene-d8 (Surrogate)	BQA0104	Matrix Spike	0613507-01	ND	10.420	10.000	ug/L		104		88 - 110	
		Matrix Spike Duplicate	0613507-01	ND	10.550	10.000	ug/L		106		88 - 110	
4-Bromofluorobenzene (Surrogate)	BQA0104	Matrix Spike	0613507-01	ND	10.510	10.000	ug/L		105		86 - 115	
		Matrix Spike Duplicate	0613507-01	ND	10.380	10.000	ug/L		104		86 - 115	

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Nitrate as N	BPL1299	Duplicate	0613492-06	12.149	12.246		mg/L	0.8		10		
		Matrix Spike	0613492-06	12.149	18.308	5.0505	mg/L		122		80 - 120	Q03
		Matrix Spike Duplicate	0613492-06	12.149	18.337	5.0505	mg/L	0.8	123	10	80 - 120	Q03
Sulfate	BPL1299	Duplicate	0613492-06	69.980	70.501		mg/L	0.7		10		
		Matrix Spike	0613492-06	69.980	196.18	101.01	mg/L		125		80 - 120	Q03
		Matrix Spike Duplicate	0613492-06	69.980	196.84	101.01	mg/L	0.8	126	10	80 - 120	Q03
Iron (II) Species	BPL1384	Duplicate	0613507-01	81.818	ND		ug/L			10		
Total Alkalinity as CaCO3	BPL1494	Duplicate	0613507-01	365.08	368.88		mg/L	1.0		10		A01
		Matrix Spike	0613507-01	365.08	623.68	250.00	mg/L		103		80 - 120	A01
		Matrix Spike Duplicate	0613507-01	365.08	625.60	250.00	mg/L	1.0	104	10	80 - 120	A01

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Water Analysis (Metals)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Manganese	BPL1381	Duplicate	0613507-01	1.1295	ND		ug/L			20		
		Matrix Spike	0613507-01	1.1295	217.71	204.08	ug/L		107		75 - 125	
		Matrix Spike Duplicate	0613507-01	1.1295	216.28	204.08	ug/L	0.9	106	20	75 - 125	

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BQA0104	BQA0104-BS1	LCS	21.670	25.000	0.50	ug/L	86.7		70 - 130		
Toluene	BQA0104	BQA0104-BS1	LCS	23.320	25.000	0.50	ug/L	93.3		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BQA0104	BQA0104-BS1	LCS	8.1300	10.000		ug/L	81.3		76 - 114		
Toluene-d8 (Surrogate)	BQA0104	BQA0104-BS1	LCS	10.500	10.000		ug/L	105		88 - 110		
4-Bromofluorobenzene (Surrogate)	BQA0104	BQA0104-BS1	LCS	10.040	10.000		ug/L	100		86 - 115		

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Nitrate as N	BPL1299	BPL1299-BS1	LCS	5.2590	5.0000	0.10	mg/L	105		90 - 110		
Sulfate	BPL1299	BPL1299-BS1	LCS	109.99	100.00	1.0	mg/L	110		90 - 110		
Iron (II) Species	BPL1384	BPL1384-BS1	LCS	2000.5	2000.0	100	ug/L	100		90 - 110		
Total Alkalinity as CaCO3	BPL1494	BPL1494-BS1	LCS	104.11	100.00	2.5	mg/L	104		90 - 110		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Water Analysis (Metals)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Manganese	BPL1381	BPL1381-BS1	LCS	221.01	200.00	10	ug/L	111		85 - 115		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BQA0104	BQA0104-BLK1	ND	ug/L	0.50		
Ethylbenzene	BQA0104	BQA0104-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BQA0104	BQA0104-BLK1	ND	ug/L	0.50		
Toluene	BQA0104	BQA0104-BLK1	ND	ug/L	0.50		
Total Xylenes	BQA0104	BQA0104-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BQA0104	BQA0104-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BQA0104	BQA0104-BLK1	ND	ug/L	10		
Diisopropyl ether	BQA0104	BQA0104-BLK1	ND	ug/L	0.50		
Ethanol	BQA0104	BQA0104-BLK1	ND	ug/L	1000		
Ethyl t-butyl ether	BQA0104	BQA0104-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BQA0104	BQA0104-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BQA0104	BQA0104-BLK1	81.2	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BQA0104	BQA0104-BLK1	106	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BQA0104	BQA0104-BLK1	104	%	86 - 115 (LCL - UCL)		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Nitrate as N	BPL1299	BPL1299-BLK1	ND	mg/L	0.10		
Sulfate	BPL1299	BPL1299-BLK1	ND	mg/L	1.0		
Iron (II) Species	BPL1384	BPL1384-BLK1	ND	ug/L	100		
Total Alkalinity as CaCO3	BPL1494	BPL1494-BLK1	ND	mg/L	2.5		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Water Analysis (Metals)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Manganese	BPL1381	BPL1381-BLK1	ND	ug/L	10		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/05/2007 9:21

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A19	Surrogate is high due to matrix interference. Interferences verified through second extraction/analysis.
Q03	Matrix spike recovery(s) is(are) not within the control limits.
S09	The surrogate recovery on the sample for this compound was not within the control limits.
V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.

BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No. 10 01/21/04 Page ___ Of ___

Submission #: 06-13507 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☒ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☒ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☒ YES ☐ NO

Ice Chest ID _____ Temperature: 0.5 °C Thermometer ID: #80
Emissivity 0.95 Container Other
Date/Time 12/26/06 1700 Analyst Init CDN

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL		C, D	C, D	C	C					
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A, 4	A, 4	A, 4	A, 4	A, 4					
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:
Sample Numbering Completed By: OTO Date/Time: 12/26/06 2200

BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No. 10 01/21/04 Page ___ Of ___

Submission #: 06-13507 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☒ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Ice Chest ID _____ Temperature: 5.8 °C Thermometer ID: #80 Emissivity 0.95 Container Qt C Date/Time 12/26/06 1700 Analyst Init CON

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL	C,D			D	D					
PT PE UNPRESERVED	E	E	E	E	E					
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON	B	B	B	B	B					
ENCORE										

Comments:_____

Sample Numbering Completed By: OTO Date/Time: 12/26/06 2200

SHORT HOLDING TIME
Cr^{+6} NO_2 NO_3 OP SS
DO Cl_2 BOD NH3 NBAS COT

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CHAIN OF CUSTODY

06-13507

Analysis Requested

Circle one: Phillips 66 / Unocal	Consultant Firm: TRC
Address: 24082 El Toro Rd	21 Techology Drive Irvine, CA 92618-2302 Attn: Anju Farfan
City: Laguna Hills	4-digit site#: 5408
	Workorder #: 0408-450684310
State: CA Zip:	Project #: 20010590
Phillips 66 /Unocal Mgr: AF	Sampler Name: [illegible]

MATRIX: (GW) Groundwater (S) Soil (WW) Wastewater (SL) Sludge

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ MTBE & oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPH -G by GC/MS	Manganese II	Total Alkalinity	Ferrous Iron	Nitrate/Sulfate	Turnaround Time Requested
-1	MW-25	12/26/06	0821	GW					X	X	X	X	X	X	X	STD
-2	MW-21		0924						X	X	X	X	X	X		
-3	MW-20		0914						X	X	X	X	X	X		
-4	MW-2		0948						X	X	X	X	X	X		
-5	MW-5	12/26/06	1015	GW					X	X	X	X	X	X		

Comments:	Relinquished by: (Signature)	Received by:	Date & Time 12-26-06 1310
GLOBAL ID: T0600590215	Relinquished by: (Signature)	Received by: [illegible]	Date & Time 12/26/06 1300
	Relinquished by: (Signature)	Received by:	Date & Time

(A) = ANALYSIS (C) = CONTAINER (P) = PRESERVATIVE

BC LABORATORIES, INC.

Date of Report: 01/04/2007

Anju Farfan

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

RE: 5408
BC Work Order: 0613560

Enclosed are the results of analyses for samples received by the laboratory on 12/27/2006 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Vanessa Hooker
Client Service Rep

Authorized Signature

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/12/2007 14:57

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0613560-01	**COC Number:**	---	**Receive Date:**	12/27/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 04:04	Global ID: T0605901215
	Sampling Location:	MW-16	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-16	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Baltazar of TRCI			Cooler ID:
0613560-02	**COC Number:**	---	**Receive Date:**	12/27/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 04:20	Global ID: T0605901215
	Sampling Location:	MW-22	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-22	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Baltazar of TRCI			Cooler ID:
0613560-03	**COC Number:**	---	**Receive Date:**	12/27/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 04:58	Global ID: T0605901215
	Sampling Location:	MW-15	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-15	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Baltazar of TRCI			Cooler ID:
0613560-04	**COC Number:**	---	**Receive Date:**	12/27/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 05:09	Global ID: T0605901215
	Sampling Location:	MW-7	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-7	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Baltazar of TRCI			Cooler ID:
0613560-05	**COC Number:**	---	**Receive Date:**	12/27/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 05:31	Global ID: T0605901215
	Sampling Location:	MW-26	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-26	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Baltazar of TRCI			Cooler ID:

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/04/2007 14:44

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0613560-06	**COC Number:** ---		**Receive Date:**	12/27/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 05:50	Global ID: T0605901215
	Sampling Location:	MW-11	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-11	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Baltazar of TRCI			Cooler ID:
0613560-07	**COC Number:** ---		**Receive Date:**	12/27/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 06:18	Global ID: T0605901215
	Sampling Location:	MW-19	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-19	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Baltazar of TRCI			Cooler ID:
0613560-08	**COC Number:** ---		**Receive Date:**	12/27/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 06:36	Global ID: T0605901215
	Sampling Location:	MW-24	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-24	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Baltazar of TRCI			Cooler ID:
0613560-09	**COC Number:** ---		**Receive Date:**	12/27/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 07:01	Global ID: T0605901215
	Sampling Location:	MW-17	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-17	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Baltazar of TRCI			Cooler ID:
0613560-10	**COC Number:** ---		**Receive Date:**	12/27/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 07:14	Global ID: T0605901215
	Sampling Location:	MW-28	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-28	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Baltazar of TRCI			Cooler ID:

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Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0613560-11	**COC Number:**	---	**Receive Date:**	12/27/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 07:32	Global ID: T0605901215
	Sampling Location:	MW-23	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-23	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Baltazar of TRCI			Cooler ID:
0613560-12	**COC Number:**	---	**Receive Date:**	12/27/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/27/2006 07:52	Global ID: T0605901215
	Sampling Location:	MW-10	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-10	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Baltazar of TRCI			Cooler ID:
0613560-13	**COC Number:**	---	**Receive Date:**	12/27/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 08:16	Global ID: T0605901215
	Sampling Location:	MW-9	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-9	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Baltazar of TRCI			Cooler ID:
0613560-14	**COC Number:**	---	**Receive Date:**	12/27/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 08:32	Global ID: T0605901215
	Sampling Location:	MW-18	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-18	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Baltazar of TRCI			Cooler ID:
0613560-15	**COC Number:**	---	**Receive Date:**	12/27/2006 00:00	Delivery Work Order:
	Project Number:	5408	**Sampling Date:**	12/26/2006 08:50	Global ID: T0605901215
	Sampling Location:	MW-27	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-27	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Baltazar of TRCI			Cooler ID:

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613560-01 | **Client Sample Name:** 5408, MW-16, MW-16, 12/26/2006 4:04:00AM, Baltazar

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 08:17	DKC	MS-V12	1	BQA0087	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 08:17	DKC	MS-V12	1	BQA0087	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 08:17	DKC	MS-V12	1	BQA0087	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 08:17	DKC	MS-V12	1	BQA0087	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/29/06	12/30/06 08:17	DKC	MS-V12	1	BQA0087	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 08:17	DKC	MS-V12	1	BQA0087	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/29/06	12/30/06 08:17	DKC	MS-V12	1	BQA0087	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 08:17	DKC	MS-V12	1	BQA0087	ND	
Ethanol	ND	ug/L	1000		EPA-8260	12/29/06	12/30/06 08:17	DKC	MS-V12	1	BQA0087	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 08:17	DKC	MS-V12	1	BQA0087	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	12/29/06	12/30/06 08:17	DKC	MS-V12	1	BQA0087	ND	
1,2-Dichloroethane-d4 (Surrogate)	108	%	76 - 114 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 08:17	DKC	MS-V12	1	BQA0087		
Toluene-d8 (Surrogate)	98.5	%	88 - 110 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 08:17	DKC	MS-V12	1	BQA0087		
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 08:17	DKC	MS-V12	1	BQA0087		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613560-02 | **Client Sample Name:** 5408, MW-22, MW-22, 12/26/2006 4:20:00AM, Baltazar

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:00	DKC	MS-V12	1	BQA0087	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:00	DKC	MS-V12	1	BQA0087	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:00	DKC	MS-V12	1	BQA0087	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:00	DKC	MS-V12	1	BQA0087	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/29/06	12/30/06 10:00	DKC	MS-V12	1	BQA0087	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:00	DKC	MS-V12	1	BQA0087	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/29/06	12/30/06 10:00	DKC	MS-V12	1	BQA0087	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:00	DKC	MS-V12	1	BQA0087	ND	
Ethanol	ND	ug/L	1000		EPA-8260	12/29/06	12/30/06 10:00	DKC	MS-V12	1	BQA0087	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:00	DKC	MS-V12	1	BQA0087	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	12/29/06	12/30/06 10:00	DKC	MS-V12	1	BQA0087	ND	
1,2-Dichloroethane-d4 (Surrogate)	108	%	76 - 114 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 10:00	DKC	MS-V12	1	BQA0087		
Toluene-d8 (Surrogate)	99.3	%	88 - 110 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 10:00	DKC	MS-V12	1	BQA0087		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 10:00	DKC	MS-V12	1	BQA0087		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613560-03 | **Client Sample Name:** 5408, MW-15, MW-15, 12/26/2006 4:58:00AM, Baltazar

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:26	DKC	MS-V12	1	BQA0087	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:26	DKC	MS-V12	1	BQA0087	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:26	DKC	MS-V12	1	BQA0087	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:26	DKC	MS-V12	1	BQA0087	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/29/06	12/30/06 10:26	DKC	MS-V12	1	BQA0087	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:26	DKC	MS-V12	1	BQA0087	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/29/06	12/30/06 10:26	DKC	MS-V12	1	BQA0087	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:26	DKC	MS-V12	1	BQA0087	ND	
Ethanol	ND	ug/L	1000		EPA-8260	12/29/06	12/30/06 10:26	DKC	MS-V12	1	BQA0087	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:26	DKC	MS-V12	1	BQA0087	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	12/29/06	12/30/06 10:26	DKC	MS-V12	1	BQA0087	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114	(LCL - UCL)	EPA-8260	12/29/06	12/30/06 10:26	DKC	MS-V12	1	BQA0087		
Toluene-d8 (Surrogate)	100	%	88 - 110	(LCL - UCL)	EPA-8260	12/29/06	12/30/06 10:26	DKC	MS-V12	1	BQA0087		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115	(LCL - UCL)	EPA-8260	12/29/06	12/30/06 10:26	DKC	MS-V12	1	BQA0087		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613560-04 | **Client Sample Name:** 5408, MW-7, MW-7, 12/26/2006 5:09:00AM, Baltazar

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:51	DKC	MS-V12	1	BQA0087	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:51	DKC	MS-V12	1	BQA0087	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:51	DKC	MS-V12	1	BQA0087	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:51	DKC	MS-V12	1	BQA0087	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/29/06	12/30/06 10:51	DKC	MS-V12	1	BQA0087	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:51	DKC	MS-V12	1	BQA0087	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/29/06	12/30/06 10:51	DKC	MS-V12	1	BQA0087	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:51	DKC	MS-V12	1	BQA0087	ND	
Ethanol	ND	ug/L	1000		EPA-8260	12/29/06	12/30/06 10:51	DKC	MS-V12	1	BQA0087	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 10:51	DKC	MS-V12	1	BQA0087	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	12/29/06	12/30/06 10:51	DKC	MS-V12	1	BQA0087	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 10:51	DKC	MS-V12	1	BQA0087		
Toluene-d8 (Surrogate)	99.1	%	88 - 110 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 10:51	DKC	MS-V12	1	BQA0087		
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 10:51	DKC	MS-V12	1	BQA0087		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613560-05 | **Client Sample Name:** 5408, MW-26, MW-26, 12/26/2006 5:31:00AM, Baltazar

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 11:17	DKC	MS-V12	1	BQA0087	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 11:17	DKC	MS-V12	1	BQA0087	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 11:17	DKC	MS-V12	1	BQA0087	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 11:17	DKC	MS-V12	1	BQA0087	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/29/06	12/30/06 11:17	DKC	MS-V12	1	BQA0087	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 11:17	DKC	MS-V12	1	BQA0087	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/29/06	12/30/06 11:17	DKC	MS-V12	1	BQA0087	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 11:17	DKC	MS-V12	1	BQA0087	ND	
Ethanol	ND	ug/L	1000		EPA-8260	12/29/06	12/30/06 11:17	DKC	MS-V12	1	BQA0087	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 11:17	DKC	MS-V12	1	BQA0087	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	12/29/06	12/30/06 11:17	DKC	MS-V12	1	BQA0087	ND	
1,2-Dichloroethane-d4 (Surrogate)	105	%	76 - 114 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 11:17	DKC	MS-V12	1	BQA0087		
Toluene-d8 (Surrogate)	99.1	%	88 - 110 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 11:17	DKC	MS-V12	1	BQA0087		
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 11:17	DKC	MS-V12	1	BQA0087		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613560-06 | **Client Sample Name:** 5408, MW-11, MW-11, 12/26/2006 5:50:00AM, Baltazar

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 11:43	DKC	MS-V12	1	BQA0087	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 11:43	DKC	MS-V12	1	BQA0087	ND	
Methyl t-butyl ether	0.64	ug/L	0.50		EPA-8260	12/29/06	12/30/06 11:43	DKC	MS-V12	1	BQA0087	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 11:43	DKC	MS-V12	1	BQA0087	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/29/06	12/30/06 11:43	DKC	MS-V12	1	BQA0087	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 11:43	DKC	MS-V12	1	BQA0087	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/29/06	12/30/06 11:43	DKC	MS-V12	1	BQA0087	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 11:43	DKC	MS-V12	1	BQA0087	ND	
Ethanol	ND	ug/L	1000		EPA-8260	12/29/06	12/30/06 11:43	DKC	MS-V12	1	BQA0087	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 11:43	DKC	MS-V12	1	BQA0087	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	12/29/06	12/30/06 11:43	DKC	MS-V12	1	BQA0087	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 11:43	DKC	MS-V12	1	BQA0087		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 11:43	DKC	MS-V12	1	BQA0087		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 11:43	DKC	MS-V12	1	BQA0087		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613560-07 | **Client Sample Name:** 5408, MW-19, MW-19, 12/26/2006 6:18:00AM, Baltazar

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 12:09	DKC	MS-V12	1	BQA0087	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 12:09	DKC	MS-V12	1	BQA0087	ND	
Methyl t-butyl ether	1.1	ug/L	0.50		EPA-8260	12/29/06	12/30/06 12:09	DKC	MS-V12	1	BQA0087	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 12:09	DKC	MS-V12	1	BQA0087	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/29/06	12/30/06 12:09	DKC	MS-V12	1	BQA0087	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 12:09	DKC	MS-V12	1	BQA0087	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/29/06	12/30/06 12:09	DKC	MS-V12	1	BQA0087	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 12:09	DKC	MS-V12	1	BQA0087	ND	
Ethanol	ND	ug/L	1000		EPA-8260	12/29/06	12/30/06 12:09	DKC	MS-V12	1	BQA0087	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 12:09	DKC	MS-V12	1	BQA0087	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	12/29/06	12/30/06 12:09	DKC	MS-V12	1	BQA0087	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 12:09	DKC	MS-V12	1	BQA0087		
Toluene-d8 (Surrogate)	99.4	%	88 - 110 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 12:09	DKC	MS-V12	1	BQA0087		
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 12:09	DKC	MS-V12	1	BQA0087		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613560-08 | **Client Sample Name:** 5408, MW-24, MW-24, 12/26/2006 6:36:00AM, Baltazar

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 12:35	DKC	MS-V12	1	BQA0087	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 12:35	DKC	MS-V12	1	BQA0087	ND	
Methyl t-butyl ether	250	ug/L	2.5		EPA-8260	12/29/06	01/03/07 06:07	SDU	MS-V12	5	BQA0087	ND	A01
Toluene	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 12:35	DKC	MS-V12	1	BQA0087	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/29/06	12/30/06 12:35	DKC	MS-V12	1	BQA0087	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 12:35	DKC	MS-V12	1	BQA0087	ND	
t-Butyl alcohol	23	ug/L	10		EPA-8260	12/29/06	12/30/06 12:35	DKC	MS-V12	1	BQA0087	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 12:35	DKC	MS-V12	1	BQA0087	ND	
Ethanol	ND	ug/L	1000		EPA-8260	12/29/06	12/30/06 12:35	DKC	MS-V12	1	BQA0087	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/29/06	12/30/06 12:35	DKC	MS-V12	1	BQA0087	ND	
Total Purgeable Petroleum Hydrocarbons	130	ug/L	50		EPA-8260	12/29/06	12/30/06 12:35	DKC	MS-V12	1	BQA0087	ND	A53
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)		EPA-8260	12/29/06	01/03/07 06:07	SDU	MS-V12	5	BQA0087		
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 12:35	DKC	MS-V12	1	BQA0087		
Toluene-d8 (Surrogate)	99.3	%	88 - 110 (LCL - UCL)		EPA-8260	12/29/06	01/03/07 06:07	SDU	MS-V12	5	BQA0087		
Toluene-d8 (Surrogate)	99.6	%	88 - 110 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 12:35	DKC	MS-V12	1	BQA0087		
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)		EPA-8260	12/29/06	01/03/07 06:07	SDU	MS-V12	5	BQA0087		
4-Bromofluorobenzene (Surrogate)	97.7	%	86 - 115 (LCL - UCL)		EPA-8260	12/29/06	12/30/06 12:35	DKC	MS-V12	1	BQA0087		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613560-09 | **Client Sample Name:** 5408, MW-17, MW-17, 12/26/2006 7:01:00AM, Baltazar

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:00	DKC	MS-V12	1	BPL1507	ND	
Ethylbenzene	100	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:00	DKC	MS-V12	1	BPL1507	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:00	DKC	MS-V12	1	BPL1507	ND	
Toluene	0.54	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:00	DKC	MS-V12	1	BPL1507	ND	
Total Xylenes	1.7	ug/L	1.0		EPA-8260	12/28/06	12/30/06 13:00	DKC	MS-V12	1	BPL1507	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:00	DKC	MS-V12	1	BPL1507	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/28/06	12/30/06 13:00	DKC	MS-V12	1	BPL1507	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:00	DKC	MS-V12	1	BPL1507	ND	
Ethanol	ND	ug/L	1000		EPA-8260	12/28/06	12/30/06 13:00	DKC	MS-V12	1	BPL1507	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:00	DKC	MS-V12	1	BPL1507	ND	
Total Purgeable Petroleum Hydrocarbons	3100	ug/L	100		EPA-8260	12/28/06	01/03/07 06:32	SDU	MS-V12	2	BPL1507	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	112	%	76 - 114 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 13:00	DKC	MS-V12	1	BPL1507		
1,2-Dichloroethane-d4 (Surrogate)	107	%	76 - 114 (LCL - UCL)		EPA-8260	12/28/06	01/03/07 06:32	SDU	MS-V12	2	BPL1507		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 13:00	DKC	MS-V12	1	BPL1507		
Toluene-d8 (Surrogate)	102	%	88 - 110 (LCL - UCL)		EPA-8260	12/28/06	01/03/07 06:32	SDU	MS-V12	2	BPL1507		
4-Bromofluorobenzene (Surrogate)	109	%	86 - 115 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 13:00	DKC	MS-V12	1	BPL1507		
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)		EPA-8260	12/28/06	01/03/07 06:32	SDU	MS-V12	2	BPL1507		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613560-10 | **Client Sample Name:** 5408, MW-28, MW-28, 12/26/2006 7:14:00AM, Baltazar

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	0.68	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:26	DKC	MS-V12	1	BPL1507	ND	
Ethylbenzene	36	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:26	DKC	MS-V12	1	BPL1507	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:26	DKC	MS-V12	1	BPL1507	ND	
Toluene	2.4	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:26	DKC	MS-V12	1	BPL1507	ND	
Total Xylenes	3.4	ug/L	1.0		EPA-8260	12/28/06	12/30/06 13:26	DKC	MS-V12	1	BPL1507	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:26	DKC	MS-V12	1	BPL1507	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/28/06	12/30/06 13:26	DKC	MS-V12	1	BPL1507	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:26	DKC	MS-V12	1	BPL1507	ND	
Ethanol	ND	ug/L	1000		EPA-8260	12/28/06	12/30/06 13:26	DKC	MS-V12	1	BPL1507	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:26	DKC	MS-V12	1	BPL1507	ND	
Total Purgeable Petroleum Hydrocarbons	580	ug/L	50		EPA-8260	12/28/06	12/30/06 13:26	DKC	MS-V12	1	BPL1507	ND	
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 13:26	DKC	MS-V12	1	BPL1507		
Toluene-d8 (Surrogate)	99.9	%	88 - 110 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 13:26	DKC	MS-V12	1	BPL1507		
4-Bromofluorobenzene (Surrogate)	110	%	86 - 115 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 13:26	DKC	MS-V12	1	BPL1507		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613560-11 | **Client Sample Name:** 5408, MW-23, MW-23, 12/26/2006 7:32:00AM, Baltazar

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:52	DKC	MS-V12	1	BPL1507	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:52	DKC	MS-V12	1	BPL1507	ND	
Methyl t-butyl ether	4.8	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:52	DKC	MS-V12	1	BPL1507	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:52	DKC	MS-V12	1	BPL1507	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/28/06	12/30/06 13:52	DKC	MS-V12	1	BPL1507	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:52	DKC	MS-V12	1	BPL1507	ND	
t-Butyl alcohol	120	ug/L	10		EPA-8260	12/28/06	12/30/06 13:52	DKC	MS-V12	1	BPL1507	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:52	DKC	MS-V12	1	BPL1507	ND	
Ethanol	ND	ug/L	1000		EPA-8260	12/28/06	12/30/06 13:52	DKC	MS-V12	1	BPL1507	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	12/30/06 13:52	DKC	MS-V12	1	BPL1507	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	12/28/06	12/30/06 13:52	DKC	MS-V12	1	BPL1507	ND	
1,2-Dichloroethane-d4 (Surrogate)	105	%	76 - 114 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 13:52	DKC	MS-V12	1	BPL1507		
Toluene-d8 (Surrogate)	99.2	%	88 - 110 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 13:52	DKC	MS-V12	1	BPL1507		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 13:52	DKC	MS-V12	1	BPL1507		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613560-12 | **Client Sample Name:** 5408, MW-10, MW-10, 12/27/2006 7:52:00AM, Baltazar

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	180	ug/L	10		EPA-8260	12/28/06	12/29/06 23:55	DKC	MS-V12	20	BPL1507	ND	A01
Ethylbenzene	96	ug/L	10		EPA-8260	12/28/06	12/29/06 23:55	DKC	MS-V12	20	BPL1507	ND	A01
Methyl t-butyl ether	2.0	ug/L	0.50		EPA-8260	12/28/06	01/03/07 09:06	SDU	MS-V12	1	BPL1507	ND	
Toluene	68	ug/L	10		EPA-8260	12/28/06	12/29/06 23:55	DKC	MS-V12	20	BPL1507	ND	A01
Total Xylenes	190	ug/L	20		EPA-8260	12/28/06	12/29/06 23:55	DKC	MS-V12	20	BPL1507	ND	A01
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	01/03/07 09:06	SDU	MS-V12	1	BPL1507	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/28/06	01/03/07 09:06	SDU	MS-V12	1	BPL1507	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	01/03/07 09:06	SDU	MS-V12	1	BPL1507	ND	
Ethanol	ND	ug/L	1000		EPA-8260	12/28/06	01/03/07 09:06	SDU	MS-V12	1	BPL1507	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	01/03/07 09:06	SDU	MS-V12	1	BPL1507	ND	
Total Purgeable Petroleum Hydrocarbons	4400	ug/L	1000		EPA-8260	12/28/06	12/29/06 23:55	DKC	MS-V12	20	BPL1507	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)		EPA-8260	12/28/06	01/03/07 09:06	SDU	MS-V12	1	BPL1507		
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	12/28/06	12/29/06 23:55	DKC	MS-V12	20	BPL1507		
Toluene-d8 (Surrogate)	99.0	%	88 - 110 (LCL - UCL)		EPA-8260	12/28/06	12/29/06 23:55	DKC	MS-V12	20	BPL1507		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)		EPA-8260	12/28/06	01/03/07 09:06	SDU	MS-V12	1	BPL1507		
4-Bromofluorobenzene (Surrogate)	105	%	86 - 115 (LCL - UCL)		EPA-8260	12/28/06	12/29/06 23:55	DKC	MS-V12	20	BPL1507		
4-Bromofluorobenzene (Surrogate)	96.6	%	86 - 115 (LCL - UCL)		EPA-8260	12/28/06	01/03/07 09:06	SDU	MS-V12	1	BPL1507		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613560-13 | **Client Sample Name:** 5408, MW-9, MW-9, 12/26/2006 8:16:00AM, Baltazar

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	67	ug/L	0.50		EPA-8260	12/28/06	01/03/07 08:41	SDU	MS-V12	1	BPL1507	ND	
Ethylbenzene	76	ug/L	0.50		EPA-8260	12/28/06	01/03/07 08:41	SDU	MS-V12	1	BPL1507	ND	
Methyl t-butyl ether	2.7	ug/L	0.50		EPA-8260	12/28/06	01/03/07 08:41	SDU	MS-V12	1	BPL1507	ND	
Toluene	5.8	ug/L	0.50		EPA-8260	12/28/06	01/03/07 08:41	SDU	MS-V12	1	BPL1507	ND	
Total Xylenes	22	ug/L	1.0		EPA-8260	12/28/06	01/03/07 08:41	SDU	MS-V12	1	BPL1507	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	01/03/07 08:41	SDU	MS-V12	1	BPL1507	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/28/06	01/03/07 08:41	SDU	MS-V12	1	BPL1507	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	01/03/07 08:41	SDU	MS-V12	1	BPL1507	ND	
Ethanol	ND	ug/L	1000		EPA-8260	12/28/06	01/03/07 08:41	SDU	MS-V12	1	BPL1507	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/28/06	01/03/07 08:41	SDU	MS-V12	1	BPL1507	ND	
Total Purgeable Petroleum Hydrocarbons	5700	ug/L	250		EPA-8260	12/28/06	12/30/06 00:21	DKC	MS-V12	5	BPL1507	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	109	%	76 - 114 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 00:21	DKC	MS-V12	5	BPL1507		
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	12/28/06	01/03/07 08:41	SDU	MS-V12	1	BPL1507		
Toluene-d8 (Surrogate)	102	%	88 - 110 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 00:21	DKC	MS-V12	5	BPL1507		
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)		EPA-8260	12/28/06	01/03/07 08:41	SDU	MS-V12	1	BPL1507		
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260	12/28/06	01/03/07 08:41	SDU	MS-V12	1	BPL1507		
4-Bromofluorobenzene (Surrogate)	105	%	86 - 115 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 00:21	DKC	MS-V12	5	BPL1507		

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/04/2007 14:44

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613560-14 | **Client Sample Name:** 5408, MW-18, MW-18, 12/26/2006 8:32:00AM, Baltazar

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	2400	ug/L	50		EPA-8260	12/28/06	01/03/07 05:15	SDU	MS-V12	100.00	BPL1507	ND	A01
Ethylbenzene	180	ug/L	5.0		EPA-8260	12/28/06	12/30/06 00:47	DKC	MS-V12	10	BPL1507	ND	A01
Methyl t-butyl ether	11	ug/L	5.0		EPA-8260	12/28/06	12/30/06 00:47	DKC	MS-V12	10	BPL1507	ND	A01
Toluene	170	ug/L	5.0		EPA-8260	12/28/06	12/30/06 00:47	DKC	MS-V12	10	BPL1507	ND	A01
Total Xylenes	180	ug/L	10		EPA-8260	12/28/06	12/30/06 00:47	DKC	MS-V12	10	BPL1507	ND	A01
t-Amyl Methyl ether	ND	ug/L	5.0		EPA-8260	12/28/06	12/30/06 00:47	DKC	MS-V12	10	BPL1507	ND	A01
t-Butyl alcohol	ND	ug/L	100		EPA-8260	12/28/06	12/30/06 00:47	DKC	MS-V12	10	BPL1507	ND	A01
Diisopropyl ether	ND	ug/L	5.0		EPA-8260	12/28/06	12/30/06 00:47	DKC	MS-V12	10	BPL1507	ND	A01
Ethanol	ND	ug/L	10000		EPA-8260	12/28/06	12/30/06 00:47	DKC	MS-V12	10	BPL1507	ND	A01
Ethyl t-butyl ether	ND	ug/L	5.0		EPA-8260	12/28/06	12/30/06 00:47	DKC	MS-V12	10	BPL1507	ND	A01
Total Purgeable Petroleum Hydrocarbons	5800	ug/L	500		EPA-8260	12/28/06	12/30/06 00:47	DKC	MS-V12	10	BPL1507	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 00:47	DKC	MS-V12	10	BPL1507		
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	12/28/06	01/03/07 05:15	SDU	MS-V12	100.00	BPL1507		
Toluene-d8 (Surrogate)	99.1	%	88 - 110 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 00:47	DKC	MS-V12	10	BPL1507		
Toluene-d8 (Surrogate)	98.7	%	88 - 110 (LCL - UCL)		EPA-8260	12/28/06	01/03/07 05:15	SDU	MS-V12	100.00	BPL1507		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)		EPA-8260	12/28/06	01/03/07 05:15	SDU	MS-V12	100.00	BPL1507		
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 00:47	DKC	MS-V12	10	BPL1507		

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/04/2007 14:44

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613560-15 | **Client Sample Name:** 5408, MW-27, MW-27, 12/26/2006 8:50:00AM, Baltazar

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	640	ug/L	10		EPA-8260	12/28/06	01/03/07 05:41	SDU	MS-V12	20	BPL1507	ND	A01
Ethylbenzene	27	ug/L	2.5		EPA-8260	12/28/06	12/30/06 01:13	DKC	MS-V12	5	BPL1507	ND	A01
Methyl t-butyl ether	27	ug/L	2.5		EPA-8260	12/28/06	12/30/06 01:13	DKC	MS-V12	5	BPL1507	ND	A01
Toluene	ND	ug/L	2.5		EPA-8260	12/28/06	12/30/06 01:13	DKC	MS-V12	5	BPL1507	ND	A01
Total Xylenes	ND	ug/L	5.0		EPA-8260	12/28/06	12/30/06 01:13	DKC	MS-V12	5	BPL1507	ND	A01
t-Amyl Methyl ether	ND	ug/L	2.5		EPA-8260	12/28/06	12/30/06 01:13	DKC	MS-V12	5	BPL1507	ND	A01
t-Butyl alcohol	420	ug/L	50		EPA-8260	12/28/06	12/30/06 01:13	DKC	MS-V12	5	BPL1507	ND	A01
Diisopropyl ether	ND	ug/L	2.5		EPA-8260	12/28/06	12/30/06 01:13	DKC	MS-V12	5	BPL1507	ND	A01
Ethanol	ND	ug/L	5000		EPA-8260	12/28/06	12/30/06 01:13	DKC	MS-V12	5	BPL1507	ND	A01
Ethyl t-butyl ether	ND	ug/L	2.5		EPA-8260	12/28/06	12/30/06 01:13	DKC	MS-V12	5	BPL1507	ND	A01
Total Purgeable Petroleum Hydrocarbons	1600	ug/L	250		EPA-8260	12/28/06	12/30/06 01:13	DKC	MS-V12	5	BPL1507	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	110	%	76 - 114 (LCL - UCL)		EPA-8260	12/28/06	01/03/07 05:41	SDU	MS-V12	20	BPL1507		
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 01:13	DKC	MS-V12	5	BPL1507		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 01:13	DKC	MS-V12	5	BPL1507		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	12/28/06	01/03/07 05:41	SDU	MS-V12	20	BPL1507		
4-Bromofluorobenzene (Surrogate)	98.7	%	86 - 115 (LCL - UCL)		EPA-8260	12/28/06	01/03/07 05:41	SDU	MS-V12	20	BPL1507		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)		EPA-8260	12/28/06	12/30/06 01:13	DKC	MS-V12	5	BPL1507		

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/04/2007 14:44

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BPL1507	Matrix Spike	0613426-02	0	25.600	25.000	ug/L		102		70 - 130	
		Matrix Spike Duplicate	0613426-02	0	26.510	25.000	ug/L	3.8	106	20	70 - 130	
Toluene	BPL1507	Matrix Spike	0613426-02	0	25.460	25.000	ug/L		102		70 - 130	
		Matrix Spike Duplicate	0613426-02	0	25.870	25.000	ug/L	1.0	103	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BPL1507	Matrix Spike	0613426-02	ND	9.8100	10.000	ug/L		98.1		76 - 114	
		Matrix Spike Duplicate	0613426-02	ND	9.9900	10.000	ug/L		99.9		76 - 114	
Toluene-d8 (Surrogate)	BPL1507	Matrix Spike	0613426-02	ND	10.160	10.000	ug/L		102		88 - 110	
		Matrix Spike Duplicate	0613426-02	ND	10.140	10.000	ug/L		101		88 - 110	
4-Bromofluorobenzene (Surrogate)	BPL1507	Matrix Spike	0613426-02	ND	10.270	10.000	ug/L		103		86 - 115	
		Matrix Spike Duplicate	0613426-02	ND	10.170	10.000	ug/L		102		86 - 115	
Benzene	BQA0087	Matrix Spike	0613560-01	0	24.670	25.000	ug/L		98.7		70 - 130	
		Matrix Spike Duplicate	0613560-01	0	25.620	25.000	ug/L	3.3	102	20	70 - 130	
Toluene	BQA0087	Matrix Spike	0613560-01	0	23.580	25.000	ug/L		94.3		70 - 130	
		Matrix Spike Duplicate	0613560-01	0	23.930	25.000	ug/L	1.5	95.7	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BQA0087	Matrix Spike	0613560-01	ND	10.780	10.000	ug/L		108		76 - 114	
		Matrix Spike Duplicate	0613560-01	ND	10.410	10.000	ug/L		104		76 - 114	
Toluene-d8 (Surrogate)	BQA0087	Matrix Spike	0613560-01	ND	10.080	10.000	ug/L		101		88 - 110	
		Matrix Spike Duplicate	0613560-01	ND	9.8200	10.000	ug/L		98.2		88 - 110	
4-Bromofluorobenzene (Surrogate)	BQA0087	Matrix Spike	0613560-01	ND	10.280	10.000	ug/L		103		86 - 115	
		Matrix Spike Duplicate	0613560-01	ND	10.330	10.000	ug/L		103		86 - 115	

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/04/2007 14:44

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BPL1507	BPL1507-BS1	LCS	26.180	25.000	1.0	ug/L	105		70 - 130		
Toluene	BPL1507	BPL1507-BS1	LCS	25.260	25.000	1.0	ug/L	101		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BPL1507	BPL1507-BS1	LCS	9.7300	10.000		ug/L	97.3		76 - 114		
Toluene-d8 (Surrogate)	BPL1507	BPL1507-BS1	LCS	10.000	10.000		ug/L	100		88 - 110		
4-Bromofluorobenzene (Surrogate)	BPL1507	BPL1507-BS1	LCS	10.560	10.000		ug/L	106		86 - 115		
Benzene	BQA0087	BQA0087-BS1	LCS	24.770	25.000	0.50	ug/L	99.1		70 - 130		
Toluene	BQA0087	BQA0087-BS1	LCS	23.730	25.000	0.50	ug/L	94.9		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BQA0087	BQA0087-BS1	LCS	9.9600	10.000		ug/L	99.6		76 - 114		
Toluene-d8 (Surrogate)	BQA0087	BQA0087-BS1	LCS	9.8000	10.000		ug/L	98.0		88 - 110		
4-Bromofluorobenzene (Surrogate)	BQA0087	BQA0087-BS1	LCS	10.540	10.000		ug/L	105		86 - 115		

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/04/2007 14:44

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BPL1507	BPL1507-BLK1	ND	ug/L	1.0		
Ethylbenzene	BPL1507	BPL1507-BLK1	ND	ug/L	1.0		
Methyl t-butyl ether	BPL1507	BPL1507-BLK1	ND	ug/L	2.0		
Toluene	BPL1507	BPL1507-BLK1	ND	ug/L	1.0		
Total Xylenes	BPL1507	BPL1507-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BPL1507	BPL1507-BLK1	ND	ug/L	2.0		
t-Butyl alcohol	BPL1507	BPL1507-BLK1	ND	ug/L	10		
Diisopropyl ether	BPL1507	BPL1507-BLK1	ND	ug/L	2.0		
Ethanol	BPL1507	BPL1507-BLK1	ND	ug/L	1000		
Ethyl t-butyl ether	BPL1507	BPL1507-BLK1	ND	ug/L	2.0		
Total Purgeable Petroleum Hydrocarbons	BPL1507	BPL1507-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BPL1507	BPL1507-BLK1	100	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BPL1507	BPL1507-BLK1	98.7	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BPL1507	BPL1507-BLK1	100	%	86 - 115 (LCL - UCL)		
Benzene	BQA0087	BQA0087-BLK1	ND	ug/L	0.50		
Ethylbenzene	BQA0087	BQA0087-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BQA0087	BQA0087-BLK1	ND	ug/L	0.50		
Toluene	BQA0087	BQA0087-BLK1	ND	ug/L	0.50		
Total Xylenes	BQA0087	BQA0087-BLK1	ND	ug/L	0.50		
t-Amyl Methyl ether	BQA0087	BQA0087-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BQA0087	BQA0087-BLK1	ND	ug/L	10		
Diisopropyl ether	BQA0087	BQA0087-BLK1	ND	ug/L	0.50		
Ethanol	BQA0087	BQA0087-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BQA0087	BQA0087-BLK1	ND	ug/L	0.50		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/04/2007 14:44

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Total Purgeable Petroleum Hydrocarbons	BQA0087	BQA0087-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BQA0087	BQA0087-BLK1	106	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BQA0087	BQA0087-BLK1	99.3	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BQA0087	BQA0087-BLK1	103	%	86 - 115 (LCL - UCL)		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5408 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/04/2007 14:44

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A53	Chromatogram not typical of gasoline.

BC LABORATORIES INC. | SAMPLE RECEIPT FORM | Rev. No. 10 01/21/04 | Page ___ Of ___

Submission #: 06-13560 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☒ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☒ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☒ YES ☐ NO

Ice Chest ID _____ Temperature: 1.2 °C Thermometer ID: #80
Emissivity 0.95 Container Ark
Date/Time 12/27/06 1650 Analyst Init CM

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A.4	A.4	A.4	A.4	A.4	A.4	A.4	A.4	A.4	A.4
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:_____

Sample Numbering Completed By: OTO Date/Time: 12/27/06 2000

BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No. 10 01/21/04 Page ___ Of ___

Submission #: 06-13560 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☒ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☒ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☒ YES ☐ NO

Ice Chest ID _____ Temperature: 1.2 °C Thermometer ID: #80
Emissivity 0.95 Container Bottle
Date/Time 12/27/06 1650 Analyst Init CM

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A.4	A.4	A.4	A.4	A.4					
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:_____

Sample Numbering Completed By: OTO Date/Time: 12/27/06 2000

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(661) 327-4911 □ FAX (661) 327-1918

DISTRIBUTION

CHAIN OF CUSTODY

OG-13560

Analysis Requested

Circle one: Phillips 66 / Unocal	Consultant Firm: TRC
Address: 24082 EL TORO RD.	21 Techology Drive Irvine, CA 92618-2302 Attn: Anju Farfan
City: Laguna Hills	4-digit site#: 5408 Workorder #01408-4506841310
State: CA Zip:	Project #: 20040090
Phillips 66 /Unocal Mgr: Richard SOLOMON	Sampler Name: Baltazar

MATRIX: (GW) Groundwater (S) Soil (WW) Wastewater (SL) Sludge

Lab# BC	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ MTBE & oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPH –G by GC/MS				Turnaround Time Requested 4 HOURS
-1	MW-16	5408	12/26/06 0404	GW					X	X	X				STD
-2	MW-22		0421												
-3	MW-15		0458	0458											
-4	MW-7		0509												
-5	MW-20		0531												
-6	MW-11		0550												
-7	MW-19		0618												
-8	MW-24		0636												

Comments:

GLOBAL ID: T0600591012 15

Relinquished by: (Signature)	Received by:	Date & Time
	Andrew Johns	12/27/06 12:37
Andrew Johns 12/27/06 2:50 Pm		12-27-06 1450
Relinquished by: (Signature)	Received by:	Date & Time
		12/28/06 1700

(A) = ANALYSIS (C) = CONTAINER (P) = PRESERVATIVE

TRCI

BC LABORATORIES, INC.

4100 Atlas Court □ Bakersfield, CA 93308
(661) 327-4911 □ FAX (661) 327-1918

CHAIN OF CUSTODY

06-13560

Analysis Requested

Circle one: Phillips 66 / Unocal

Consultant Firm: TRC

Address: 24082 EL TORO RD.

21 Techology Drive
Irvine, CA 92618-2302
Attn: Anju Farfan

City: Laguna Hills

4-digit site#: 5408

Workorder #: 01408-4506841310

State: CA Zip:

Project #: 20040090

Phillips 66/Unocal Mgr: RICHARD SOLOMON

Sampler Name: Baltazar

MATRIX: (GW) Groundwater (S) Soil (WW) Wastewater (SL) Sludge

Lab# BC	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ MTBE & oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPH -G by GC/MS				Turnaround Time Requested 4 WKS
-9	MW-17	5408	12/26/06 0701	GW					X	X	X				STD
-10	MW-28		0714												
-11	MW-23		0732												
-12	MW-10		0752												
-13	MW-9		0816												
-14	MW-18		0832												
-15	MW-27		0850												

Comments:

GLOBAL ID: T0600590121S

Relinquished by: (Signature)	Received by:	Date & Time
	Andrew Johnson	12/27/06 12:37
Andrew Johnson 12/27/06 2:50 PM		12-27-06 1450
		12/28/06 1700

(A) = ANALYSIS (C) = CONTAINER (P) = PRESERVATIVE

TRC

Receipt of Manifest is Pending

(January 17, 2007)

21 Technology Drive • Irvine, California 92618
Main: 949-727-9336 • Fax: 949-727-7399
www.trcsolutions.com

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: Not Required
2. Page 1 of 1
3. Emergency Response Phone: (562) 984-3018
4. Waste Tracking Number: 5469

5. Generator's Name and Mailing Address
Conoco - Phillips Oil Company
800 N. Dairy Ashford, Marketing TR1010A Houston Tx.
Generator's Phone: 281-293-1684

Generator's Site Address (if different than mailing address)
Station #: 5408
Location: 24087 EL TORO RD. LADERA HILLS CA.

6. Transporter 1 Company Name: Pacific Technical Services
U.S. EPA ID Number: CAR000159300

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Crosby & Overton
1630 W. 16th St. Long Beach CA 90813
Facility's Phone: 562-432-5445
U.S. EPA ID Number: CAD028409019

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. Non Hazardous Waste Liquids	1	TT	100	G
	2.				
	3.				
	4.				

13. Special Handling Instructions and Additional Information
Wear protective equipment while handling.
Weights or volumes are approximate
24 hour emergency telephone number (562) 984-3018

9b(1) Profile #: 25803 - Groundwater
Appointment Time: 1230 Hours

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: Carmel Olmsma Conoco / Phillips Oil Corp.
Signature: [signature]
Month 10 Day 03 Year 06

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Erasmo Cordova
Signature: E. Cordova
Month 10 Day 03 Year 06
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Pedro Cardenas
Signature: [signature]
Month 10 Day 03 Year 06

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

LIMITATIONS

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.

TRC

Customer-Focused Solutions

February 02, 2007

Orange County Health Care Agency
1241 East Dyer Road, Suite 120
Santa Ana, California 92705-5611

ATTN: MS. JOYCE KRALL

SITE: 76 Staton 5408
24082 El Toro Road
Laguna Hills, CA
Agency Case No.: 90UT56

RE: OCTOBER THROUGH DECEMBER 2006 QUARTERLY STATUS REPORT

Dear Ms. Joyce Krall:

CURRENT PHASE OF PROJECT

Closure Request

RELEVANT AGENCY CORRESPONDENCE

Date	Summary	Due Date
7/19/2006	TRC: Revised Vapor Survey and Groundwater Evaluation Report	
1/20/2006	TRC: Vapor Survey and Groundwater Evaluation Report	
2/23/2005	England Geosystems submitted a workplan proposing confirmation soil borings. OCHCA rejected the workplan indicating confirmation soil borings had previously been conducted, but other proposed closure activities including vapor monitoring and plume evaluations could be performed.	

PROGRESS

ACTIVITIES PERFORMED THIS QUARTER

Quarterly groundwater monitoring and sampling was performed on December 26, 2006, and the results are presented in the Quarterly Monitoring Report submitted to your office on January 18, 2007.

ANALYSIS OF RESULTS THIS QUARTER

Groundwater elevation levels, gradient and dissolved-phase concentrations appear to be generally consistent with previous sampling events.

ACTIVITIES PROPOSED NEXT QUARTER

The unauthorized release case is being closed. The wells will be abandoned appropiately and, per OCHCA instructions, no more sampling or reports will be performed or submitted.

Remediation O&M Report Attached?	No
Groundwater Report Attached?	No
Other Items Attached?	No
If yes, List:	

9471 Ridgehaven Court, Suite E • San Diego, California 92123-4357
Telephone 858-505-8881 • Fax 858-505-9515

LEAD AGENCY INFORMATION

Agency:	Orange County Health Care Agency
Contact:	Joyce Krall
Address:	1241 East Dyer Road, Suite 120
City:	Santa Ana
State:	California
Zip Code	92705-5611
Phone:	(714) 433-6252

CLIENT INFORMATION

Company:	ConocoPhillips
Contact:	Richard Solomon
Address:	3611 Harbor Boulevard Suite 200
City:	Santa Ana
State:	Ca
Zip Code	92704
Phone:	(714) 428-7673

CONSULTANT CONTACT INFORMATION

Company:	TRC
Contact:	Jerome Jaminet, Jr.
Address:	9471 Ridgehaven Court, Suite E
City:	San Diego
State:	CA
Zip Code	92123
Phone:	(858) 505-8881

CURRENT SITE USE

The site is an active station located on the southeaset corner of El Toro Road and Paseo del Valencia in Laguna Hills, California. Two 12,000-gallon gasoline USTs, one 500-gallon waste oil UST, 4 dispensers, and a three bay service station building are located onsite.

ASSESSMENT HISTORY

Date	Summary
September 2001	Geoprobe borings GP-1 through GP-5 were drilled offsite. One of the borings was overdrilled and completed as groundwater monitoring well MW-27. Well MW-28 was also installed. Soil gas samples were collected at locations SG-1 through SG-5.
April 2000	Confirmation soil borings CB-1 through CB-5 were drilled using hollow stem auger, and Boring CB-2B was redrilled using a direct push geoprobe rig.
May 1993	Groundwater/vapor extraction wells MW-20 through MW-22 were installed.
March 1993	The USTs, product piping, and dispensers were removed and replaced. Soil sampling was conducted. Soil boring B-9 was drilled. Soil vapor extraction wells VW-1 through VW-15 were installed.
April 1992	A soil gas survey was conducted. A total of 30 soil gas samples were collected at 16 locations.
September 1991	Groundwater wells MW-16 through MW-19 were installed.
June, 1990	Groundwater wells MW-8 through MW-15 were installed.
August 1989	Groundwater wells MW-2 (drilled vertically at same location as soil boring B-2, which was angled 40 degrees), MW-3, MW-5, MW-6, MW-7 were installed, and soil borings B-1 (angled 40 degrees), B-4 and B-8 were drilled.

FEASIBILITY TESTING AND REMEDIATION HISTORY

Date	Summary
October 1999	The soil vapor extraction system was shut down due to a damaged combustion chamber. A total of approximately 37,000 pounds of hydrocarbons had been recovered by vapor extraction.
February and March 1994	A series of aquifer pump tests were conducted. An average hydraulic conductivity of 35 feet/day was estimated.
September 1993	A Corrective Action Plan (CAP) was submitted proposing dual-phase extraction (DPE) as the remedial method at the site.
April 1993	Approximately 2,012 tons of hydrocarbon-impacted soil was excavated and removed offsite for disposal during UST replacement activities.
July 1992	The soil vapor extraction system (VES) was installed and began operation.
August 1991	A Feasibility Study was performed and recommended SVE as the remedial method at the site.
July 1991	A soil vapor extraction (SVE) test was conducted. A radius of influence was estimated to be 126 feet, indicating good vapor flow characteristics.
March 1990	Periodic free product removal from wells initiated.

Please feel free to call me if you have any questions or concerns.

Sincerely,

TRC

Jerome Jaminet, Jr.

cc: Richard Solomon, ConocoPhillips

CONESTOGA-ROVERS & ASSOCIATES

175 Technology, Suite 150
Irvine, California 92618
Telephone: (949) 648-5200 Fax: (949) 648-5299
www.CRAworld.com

TRANSMITTAL

DATE: August 27, 2012

REFERENCE NO.: 060703

PROJECT NAME: Shell-branded Service Station
23971 El Toro Road
Laguna Hills, California

TO: Ms. Nancy Olson-Martin
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, California 92501-3339

Please find enclosed:
- ☐ Draft
- ☐ Originals
- ☐ Prints
- ☒ Final
- ☐ Other

Sent via:
- ☒ Mail
- ☐ Overnight Courier
- ☐ Same Day Courier
- ☒ Other Geotracker

QUANTITY	DESCRIPTION
1	Corrective Action Plan and Request for Closure

- ☐ As Requested
- ☒ For Your Use
- ☐ For Review and Comment
- ☐

COMMENTS:
If you have any questions regarding the contents of this document, please call Angela Ribeiro at 949-648-5211.

Copy to:
Andrea Wing, Shell Oil Products US, (Livelink)
Karl Kerner, Atlas Environmental Engineering, 3185 Airway Ave., Suite D-1, Costa Mesa, California 92626
Gerald & Mary Crowe, 23971 El Toro Road., Laguna Hills, California 92653
Mr. Larry Turner, Electronic (lsturner@verizon.net)

Completed by: Angela Ribeiro
[Please Print]

A. Ribeiro
Signed

Filing: **Correspondence File**

CORRECTIVE ACTION PLAN AND REQUEST FOR CLOSURE

SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

SAP CODE	**135405**
INCIDENT NO.	**98995485**
CASE NO.	**0830003627**

Prepared by:
Conestoga-Rovers & Associates

175 Technology Drive, Suite 150
Irvine, California
Unites States 92618

Office: (949) 648-5200
Fax: (949) 648-5299

Web :www.CRAworld.com

AUGUST 27, 2012
REF. NO. 060703 (11)
This report is printed on recycled paper.

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA), on behalf of Equilon Enterprises, LLC, dba Shell Oil Products US (Shell), is submitting this *Corrective Action Plan (CAP) and Request for Closure* for the Shell-branded Service Station located at 23971 El Toro Road, Laguna Hills, California (Site). This report provides an updated Site Conceptual Model (SCM) and CAP evaluating subsurface petroleum hydrocarbon impacts, remedial action history and effectiveness, and identification of an appropriate, cost-effective remedial approach for residual petroleum hydrocarbon impacts at the Site.

Based on CRA's evaluation of Site conditions and remedial options, natural attenuation (NA) has been identified as the most appropriate and cost-effective method for Site contamination mitigation. CRA evaluated MNA implementation feasibility in accordance with the Orange County Health Care Agency's (OCHCA) *Draft Procedures for Monitored Natural Attenuation,* revised September 12, 2005. This SCM/CAP was written in accordance with California Code of Regulation, Title 23, Article 11, §2725, and presents a summary of historical and current Site conditions, an evaluation of remedial alternatives and recommendation. CRA requests having the Site evaluated for closure under the UST Low Threat Closure Policy (LTP) and State Water Regional Control Board (SWRCB) Resolution 92-49.

2.0 SITE SUMMARY

2.1 SITE DESCRIPTION

The Site is located at the northwestern corner of the intersection of El Toro Road and Avenida de la Carlota in Laguna Hills, California (Figure 1). Surrounding the Site are commercial and residential properties. A Chevron Service Station (formerly a Wright Petroleum site), currently under development, is located across Avenida de la Carlota on the southwest corner of the intersection. The Laguna Hills Mall is located to the southeast of the Site. Interstate 5 is located immediately to the north of the Site. Station facilities include four 12,000-gallon, double-walled, fiberglass under storage tanks (USTs), one 550-gallon waste oil UST, and a station building with three vehicle service bays (Figure 2).

2.2 SITE HISTORY

A summary of environmental activities relating to the site obtained from previous site reports is presented below. The current environmental case opened in September 1986. Well construction details are included as Table 1 and historical soil analytical data are included as Table 2. Historical site maps are presented in Appendix A and historical boring logs are included as Appendix B.

October 1989 Monitoring Well Installation: On October 11, 1989, Certified Engineering & Testing (CET) installed groundwater monitoring wells SBMW-1, SBMW-2, and SBMW-3 (subsequently re-named MW-1 through MW-3). No benzene, toluene, ethylbenzene, and xylenes (BTEX) were detected in soil in SBMW-1 or SBMW-3. Total recoverable petroleum hydrocarbons (TRPH) and benzene were detected in SBMW-2 at 15 feet below grade (fbg) at 93 milligrams per kilogram (mg/kg) and 62 mg/kg, respectively (Miller Brooks Environmental, Inc. [MBI], 2001a; MBI, 2002a).

April 1990 Soil Boring and Well Installation: On April 26 and 27, 1990 Environmental Science & Engineering (ESE) advanced on-Site soil borings B-1 through B-5 and installed groundwater monitoring wells MW-4 through MW-8. Maximum concentrations of total petroleum hydrocarbons as gasoline (TPHg) (64 mg/kg) and benzene (1 mg/kg) in soil were detected in B-3 at 3 fbg and MW-7 at 10 fbg, respectively (MBI, 2001a; MBI, 2002a).

July 1990 Groundwater Well Installation: On July 16, 1990, ESE installed groundwater monitoring well MW-9. TPHg and benzene were detected at 15 fbg at 3,125 mg/kg and 23 mg/kg, respectively (MBI, 2001a; MBI, 2002a).

September 1990 Soil Boring and Well Installation: In September 1990, ESE installed soil borings B-6, B-7, and B-8 and groundwater monitoring wells MW-10 and MW-11. TPHg and benzene maximum concentrations in soil in B-8 were detected at 3,970 mg/kg and 14 mg/kg, respectively, at 15 fbg (MBI, 2001a; MBI, 2002a).

September 1990 Separate Phase Hydrocarbon (SPH) Recovery: From September 1990 through September 1991, ESE conducted SPH recovery from select site wells, and continued recovery as needed after September 1991 during subsequent groundwater monitoring events (MBI, 2001a; MBI, 2002a).

November 1990 Groundwater Well Installation: On November 17, 1990, ESE installed groundwater monitoring wells MW-12 and MW-13. TPHg was detected in soil in both wells at 15 fbg up to 320 mg/kg (MW-13); benzene was detected in MW-13 at 15 fbg at 2 mg/kg (MBI, 2001a; MBI, 2002a).

May 1991 SPH Recovery Well Installation: In May 1991, ESE installed two SPH recovery wells PRW-1 and PRW-2, and operated an automated SPH recovery system from September 1991 to February 1992. A total 239 gallons of SPH were removed from site wells (MBI, 2001a; MBI, 2002a).

October 1991 Soil Borings: On October 23, 1991, ESE advanced soil borings B-10 through B-13. Soil was non-detect for all analytes (MBI; 2001a; MBI, 2002a).

November 1991 Well Installation: On November 20, 1991, ESE installed monitoring well MW-14; no soil samples were collected (MBI, 2001a; MBI, 2002a).

March 1992 UST Replacement: In March 1992, the USTs and dispenser islands were removed and replaced as part of station upgrade activities. Thirty confirmation soil samples were collected and most of the samples had TPHg and BTEX impact at depths between 3 to 15.5 fbg. Maximum concentrations of TPHg (4,542 mg/kg), benzene (56 mg/kg), toluene (296 mg/kg), ethylbenzene (89 mg/kg), and total xylenes (480 mg/kg) were reported in soil from 15.5 fbg from T3-F. Approximately 20 cubic yards of impacted soil was removed from the site for disposal (MBI, 2001a; MBI, 2002a).

May and August 1992 Remediation Well Installation: ESE installed groundwater extraction (GWE) well GW-1, soil vapor extraction (SVE) wells VEW-1 through VEW-8 and SVE/sparge wells SP-1 through SP-6. ESE conducted an SVE test from May 1992 through August 1992 and removed approximately 4,850 pounds of hydrocarbons (MBI, 2001a).

May 1993 Injection Well Installation: In May 1993, ESE installed groundwater injection wells INJ-1 through INJ-4. From June 1993 through October 1994, approximately 348,000 gallons of groundwater were extracted from wells PRW-1, PRW-2, and GW-1, treated, and reinjected. In March 1995, groundwater extraction, treatment, and reinjection resume. The system operated at the site from June 1993 until July 2002 (MBI, 2001a).

January 1994 Soil Vapor Extraction: From January through October 1994, SVE was operated for two 90-day periods, removing approximately 1,000 pounds of hydrocarbons (MBI, 2001a).

September 1998 Soil Borings: On September 10, 1998, Wayne Perry, Inc. (WPI) advanced confirmation borings CB-1 through CB-5. The maximum concentrations of TPHg (465 mg/kg), benzene (1.8 mg/kg), and methyl tertiary butyl ether (MTBE) (1.09 mg/kg) were reported in soil from 15 fbg in CB-4 (MBI, 2001a).

April 2000 Soil Borings: On April 19, 2000, WPI advanced soil borings GP-1 and GP-2 near the current UST area. The maximum concentrations of TPHg (9.8 mg/kg) and MTBE (8.7 mg/kg) were detected in soil from 15 fbg in GP-2. No BTEX was detected in soil (WPI, 2000).

December 2000 Soil Boring and Well Installation: On December 20, 2000, MBI advanced soil borings B-14 through B-16 and installed wells MW-15 and MW-16. Maximum concentrations of TPHg (5.9 mg/kg) and MTBE (28 mg/kg) were reported in soil at 20 fbg in B-14. A maximum benzene concentration of 1.9 mg/kg was reported in soil at 10 fbg in B-15. This detection was noted by the lab as anomalous (see Table 2). Benzene was not detected in any of the other soil samples (MBI, 2001a).

August 2001 Dispenser Island Upgrade: In August 2001, MBI collected 19 soil samples during dispenser island upgrade activities. The majority of soil samples were non-detect for TPHg and BTEX. MTBE was detected in 12 soil samples at concentrations up to 1.1 mg/kg (MBI, 2001b).

March 2002 Soil Boring and Well Installation: On March 4, 2002, MBI advanced soil borings B-17 through B-20, and on March 18, 2002, installed monitoring well MW-17. No TPHg or BTEX was detected in soil. MTBE was detected in soil from 15 to 25 fbg in MW-17 at a maximum concentration of 6.0 mg/kg (at 15 fbg) (MBI, 2002a).

April 2002 Dual-Phase Extraction (DPE) Pilot Test: In April 2002, MBI conducted a DPE pilot test on well MW-7. Approximately 7,940 gallons of groundwater were produced (MBI, 2002b).

March 2005 Remedial Well Installation: In March 2005, MBI installed OPIS wells OW-1 through OW-12, and OW-14 through OW-30. Soil samples were collected at 15 fbg in each well boring. The maximum concentrations reported in soil were as follows: 5,300 mg/kg TPHg (OW-18), 0.017 mg/kg benzene (OW-6), 0.180 mg/kg MTBE (OW-9),

6.4 mg/kg tertiary butyl alcohol (TBA) (OW-27), 0.015 mg/kg di-isopropyl ether (DIPE) (OW-7) (MBI, 2005).

March 2005 Confirmation Soil Sampling: In March 2005, WPI observed the removal of the waste-oil remote-fill piping, and collected one soil sample beneath the piping. TRPH at 20 mg/kg were detected in soil from beneath the waste oil tank. Soil from beneath the remote-fill piping was non-detect for all analytes (WPI, 2005).

April 2008 Well Abandonment and Installation: In April 2008, WPI destroyed OPIS wells OW-2, OW-3, OW-4, OW-6 through OW-9, OW-20, OW-21, and OW-24 through OW-28. WPI installed OPIS wells OW-31 through OW-42. Soil samples were collected from wells OW-31, OW-35, and OW-42. Soil collected from OW-35 contained TPHg at 650 mg/kg (15 fbg), 110 mg/kg total petroleum hydrocarbons as diesel (TPHd), benzene at 0.036 mg/kg (15 fbg), and MTBE at 0.012 mg/kg (25 fbg) (WPI, 2008).

January 2011 OPIS Evaluation: On January 26, 2011, CRA submitted a report evaluating the oxygen injection system. CRA recommended leaving the existing remediation system off and updating the SCM to assist with determining the appropriate path to environmental case closure (CRA, 2011).

October 2011 Site Assessment: In October 2011, borings SB-1 through SB-6 were advanced to assess the vertical extent of impacted soil near borings CB-4, CB-5, MW-2, MW-7, MW-15, MW-16, MW-17, B-8, B-14, and GP-2. The maximum concentrations reported in soil were as follows: 2.2 TPHg in SB-5 (15 fbg), 440 mg/kg TPHd in SB-5 (15 fbg), 0.24 mg/kg benzene in SB-5 (20 fbg), 0.64 mg/kg MTBE in SB-6 (35 fbg), and 0.34 mg/kg TBA in SB-1 (20 fbg) (CRA, 2011b).

3.0 SITE STRATIGRAPHY AND HYDROGEOLOGY

3.1 REGIONAL PHYSIOGRAPHIC FEATURES

The site lies within the southern extent of the Orange County Coastal Basin (basin) at an elevation of approximately 360 feet above mean sea level (United States Geological Survey [USGS], 1981). The basin, a large physiographic surface sloping gently west-southwest towards the Pacific Ocean, is bounded on the north, northeast, and east by the Puente Hills, Chino Hills, and Santa Ana Mountains, respectively.

3.2 GEOLOGY

The Site is underlain by middle to Holocene and Pleistocene alluvial-fan and channel deposits composed of moderately to well consolidated silt, sand, and gravel (Morton and Miller, 2006). Historical boring logs indicate clay, silt, sandy silt, clayey sand, silty sand, and sand have been encountered to the maximum explored depth of 40 fbg. Geologic cross-sections are included as Appendix C.

The area beneath the Chevron service station (formerly a Wright Petroleum site and currently under redevelopment), southwest of the site, is underlain by silty clay and silty sand to approximately 14 fbg, followed by a clayey silt to the total explored depth of 20 fbg. Previous site investigations have indicated that this fill material has impeded groundwater movement to the west, and has caused hydrocarbons from the Chevron service station to migrate toward the Laguna Hills Mall area to the southwest (Atlas Environmental Engineering, Inc [Atlas], 2012).

3.3 HYDROLOGY

The Site lies within the East Coastal Plain Hydrologic Subarea of the Lower Santa Ana River Hydrologic area of the Santa Ana River Hydrologic Unit. Groundwater within the East Coastal Plain is designated for existing or potential municipal, agricultural, and industrial service and process supply uses. The Site is designated by the Regional Water Quality Control Board – Santa Ana Region (RWQCB-SA) as having existing or potential beneficial municipal, agricultural, industrial service and process supply uses (RWQCB-SA, 2008).

During the first quarter 2012, depths to groundwater ranged from 12.32 (MW-4) to 15.78 feet below top of well casing (MW-8). The groundwater flow direction was southwest with a 0.006 hydraulic gradient (Figure 3).

4.0 NATURE OF DIESEL AND GASOLINE CONSTITUENTS

4.1 HYDROCARBON DISTRIBUTION IN SOIL

Available historical soil sample location maps are presented in Appendix A, and the historical soil data table is presented as Tables 2 and 3. The primary COC are TPHg, benzene, MTBE, and TBA. In general, the source area appears to be located south of the former USTs as indicated by soil analytical data from well MW-2, and the southern

dispensers as indicated by soil analytical data from borings B-6 and B-8. The highest hydrocarbon concentrations were generally detected at approximately 15 fbg, which based on groundwater fluctuation, is within the smear zone. However, elevated COC were also detected in shallow soil piping and dispenser samples as shown on Table 2. The highest hydrocarbon concentrations detected in Site soils were:

- 4,542 mg/kg TPHg in T3-F at 15.5 fbg (3/2/1992)
- 62 mg/kg benzene in SBMW-2 at 15 fbg (10/11/1989)
- 410 mg/kg toluene in SBMW-2 at 15 fbg (10/11/1989)
- 98 mg/kg ethylbenzene in SBMW-2 at 15 fbg (10/11/1989)
- 640 mg/kg total xylenes in SBMW-2 at 15 fbg (10/11/1989)
- 28 mg/kg MTBE in B-14 at 20 fbg (12/20/2000)
- 29 mg/kg TBA in 9-Pipe at 13 fbg (8/8/2001)
- 0.015 mg/kg DIPE in OW7 at 15 fbg (3/9/2005)
- 0.02 mg/kg TAME in B-15 at 15 fbg (12/20/2000)

In general, the reported TPHg concentrations were similar in magnitude to the MTBE concentrations detected in those samples, so the TPHg concentrations reported are likely due to the presence of MTBE.

Various phases of remediation have occurred since significant hydrocarbon impact was detected in these areas of the site in 1989 and 1990, including source removal during equipment upgrades, vapor extraction, and natural attenuation; therefore, these soil data do not likely reflect current conditions. This is evidenced by soil analytical data from 1998 confirmation borings CB-1, CB-2, and CB-3, which show lower hydrocarbon concentrations in soil in the proximity of MW-2, B-6, and B-8. Based on these data and remedial activities, residual soil impact appears to be minimal. Therefore, remaining chemical mass calculations were not warranted or performed.

A review of historical data suggests that the horizontal extent of impacted soil is generally defined by low level COC concentrations, except possibly to the southwest of the site. However, a former Wright Petroleum site is located to the southwest of the site and is currently an active environmental case. Therefore additional assessment by Shell to the southwest of the site is not warranted.

In October 2011, borings SB-1 through SB-6 were advanced to assess the vertical extent of impacted soil near borings CB-4, CB-5, MW-2, MW-7, MW-15, MW-16, MW-17, B-8,

B-14, and GP-2 (CRA, 2011b). Soil borings are presented in Figure 2 and soil results are presented in Table 3. The highest hydrocarbon concentrations detected in Site soils during this investigation were:

- 2.2 mg/kg TPHg in SB-5 at 20 fbg
- 440 mg/kg TPHd in SB-5 at 15 fbg
- 0.24 mg/kg benzene in SB-5 at 20 fbg
- 0.018 mg/kg toluene in SB-5 at 20 fbg
- 0.12 mg/kg ethylbenzene in SB-5 at 20 fbg
- 0.80 mg/kg total xylenes in SB-5 at 20 fbg
- 0.64 mg/kg MTBE in SB-6 at 25 fbg
- 0.34 mg/kg TBA in SB-1 at 20 fbg

All of the soil samples collected above were from below the groundwater table or within the smear zone.

4.2 HYDROCARBON DISTRIBUTION IN GROUNDWATER

SPH was historically detected in site monitoring wells MW-2, MW-7, and MW-9. The maximum SPH thickness measured was 2.12 feet in well MW-9 during 1992. No SPH has been detected in site monitoring wells since December 1996.

The primary constituents of concern (COC) in groundwater are TPHg, benzene, MTBE, and TBA, and to a lesser extent TPHd. Volatile organic compounds (VOCs), such as tetrachloroethene (PCE) and trichloroethene (TCE), have also been detected in site wells. first quarter 2012 chemical isoconcentration contour maps for TPHd, TPHg, benzene, MTBE, TBA, and DIPE are presented in Figures 4 through 9. Historical groundwater monitoring data are included in Appendix D.

Elevated dissolved-phase COCs remain just south of the former USTs as indicated by historical chemical concentrations in MW-2. COCs in MW-2 are slowly decreasing with exception of benzene and TBA. The benzene concentration trend in MW-2 is characterized as stable. The TBA trend in MW-2 is stable. For all other onsite wells, hydrocarbon and oxygenate concentrations in groundwater show decreasing trends.

- TPHg was detected in 9 of the 16 onsite wells during the first quarter of 2012. Concentrations of TPHg in MW-2 (the source area) were 9,500 micrograms per liter

(μg/L). Well MW-7 is located immediately down-gradient of well MW-2 and historical TPHg data indicates a declining concentration trend. The current TPHg concentration in well MW-7 is 200 μg/L.

- TPHd was only detected in 2 of 16 wells during the first quarter of 2012 at concentrations ranging from 1,000 μg/L in well MW-9 to 3,900 μg/L in well MW-2.
- Benzene concentrations are below laboratory reporting limits for all groundwater monitoring wells, except for MW-2 (3,300 μg/L), MW-6 (1.5 μg/L), and MW-9 (3.9 μg/L).
- MTBE was detected in 11 out of 16 wells during the first quarter 2012 at concentrations ranging from 1.6 μg/L in well MW-10 to 420 μg/L in well MW-17. Overall, MTBE shows a declining trend in all wells on site.
- TBA was detected in 5 out of 16 wells during the first quarter 2012 at concentrations of 28 μg/L in MW-7 to 3,500 μg/Lin MW-2. Historical TBA concentrations in well MW-7 show a declining trend. TBA concentrations in MW-2 and MW-6 are persistent, but not migrating. The TBA concentrations in MW-2 are stable however; MTBE concentrations in these wells are decreasing. TBA is generated by the breakdown of MTBE; therefore, it is expected that TBA concentrations will continue to increase or remain stable until the MTBE source has degraded and is no longer degrading into TBA.

The chemical concentrations in off-site down gradient wells MW-9, MW-12, MW-13, and MW-17 are stable and/or declining. TPHg in all these wells is less than 1,000 μg/L. The TPHg in wells MW-9, MW-13 and MW-17 appears to be MTBE and TBA eluting in the TPHg range. Benzene in well MW-9 was 3.9 μg/L, and non-detect in the other off-Site wells. The highest MTBE and TBA concentrations in groundwater from the offsite down gradient wells during the most recent sampling event were 420 μg/L MTBE in MW-17 and 390 μg/L TBA in MW-9.

The concentrations in the offsite wells are decreasing and are defined down gradient by the Wright Petroleum environmental case, southwest across Avenida De La Carlota. Chevron (former Wright Petroleum) wells KMW-14, BYA-9, BYA-8, and BYA-13 located along the up gradient edge of the Write Petroleum plume provide down gradient definition for the Shell site (Figure 3). With the exception of BYA-13, wells KMW-14, BYA-9, BYA-8 were destroyed in April and June 2011 as the Chevron is currently undergoing redevelopment. The consultant for the Chevron Site has submitted a work plan to re-install groundwater monitoring wells at that location (Atlas, 2011).

The horizontal extent of impacted groundwater is generally defined and additional down-gradient assessment is not warranted.

4.2.1 VOC CONCENTRATIONS IN GROUNDWATER

PCE was detected in 8 of 16 wells sampled during the first quarter of 2012 at concentrations ranging from 1.3 µg/L in well MW-5 to 65 µg/L in well MW-4. TCE was detected in 6 of 16 wells sampled during the first quarter of 2012 at concentrations ranging from 1.1 µg/L in wells MW-11 and MW-14 to 3.4 µg/L in well MW-10. The highest PCE concentration was observed at the east/southeast portion of the site. A former Dry Cleaning Express site is located 1,350 feet up-gradient of the Shell site (The Shops at Lake Forest 24312-24422 Rockfield Boulevard, Lake Forest) and is a current environmental case RWQCB-SA Case No. SL208213876).

A review of groundwater monitoring data (Appendix E) from Dry Cleaning Express site monitoring wells shows that elevated concentrations of PCE and TCE have been detected in wells located up-gradient of the Shell site. The closest Dry Cleaning Express site well to the Shell site is well MW-13. July 2011 data shows that PCE and TCE were detected in samples collected from this well at concentrations of 350 µg/L and 18 µg/L, respectively. Both PCE and TCE concentrations are increasing in Dry Cleaning Express site well MW-13. With groundwater flow direction to southwest and concentration trends in the Dry Cleaning Express site wells, the PCE and TCE detections in groundwater beneath the Shell site are due to impacted groundwater associated with the Dry Cleaning Express site.

4.2.2 MASS REMAINING IN GROUNDWATER

The mass remaining in groundwater was estimated using the following equation:

Mass (lbs) = Aquifer Volume (gal) x Porosity (%) x Avg Concentration (µg/L) x 10^{-9} kg/µg x 3.785 (L/gal) x 2.205 (lbs/kg)

CRA used the analytical concentrations from the first quarter of 2012 for these calculations of the remaining TPHg, benzene, MTBE, and TBA mass in groundwater.

Based on depth to groundwater measurements and the screened interval of site wells, CRA assumed a groundwater thickness of 25 feet.

The porosity was assumed to be 40 percent, based on typical porosity values for soil types published in *Groundwater*, by Freeze and Cherry, 1979. Since the site lithology indicates a mix of sand, silt, and clay, the midpoint of where the ranges of porosity for these soil types overlap was used. Porosity values for various soil types are presented in the notes section of Table 4. For each impacted volume interval, we assumed that the average concentration was the average value of the lower and higher contour interval. For the center contour interval, we assumed that the concentration was the average of the contour interval and the highest detected concentration. Table 4 presents the estimates and calculations for constituent mass remaining in groundwater. Based on the approach and assumptions presented above, the estimated TPHg, benzene, MTBE, and TBA mass in groundwater are approximately 5.09 pounds (0.836 gallons), 0.321 pounds (0.044 gallons), 1.14 pounds (0.184 gallons), and 1.99 pounds (0.306 gallons), respectively.

These contaminant mass remaining estimates are based on available site data and an assumed static environment versus the true dynamic environment. The error associated with these estimates should be considered with any decision-making.

4.2.3 GASOLINE CONSTITUENT TRENDS IN GROUNDWATER

CRA evaluated TPHg, TPHd, benzene, MTBE, and /or TBA trends in wells where these constituents are not already below the water quality objectives (WQO). Trend graphs are included in Appendix F. Based on the trend line analysis presented on the concentration versus time graphs, calculations were performed to extrapolate an estimated time to reach WQO. A summary of the time needed for TPHg, TPHd, benzene, MTBE, and/or TBA to reach the respective WQO is presented in Appendix F and also in the table below.

Table A - Summary of Degradation Rate Calculations							
Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California							
Well		**Analyte**	**Maximum Concentration (ug/L)**	**Current Concentration (ug/L)**	**Half-Life(years)**	**Date to Reach WQO**	**Years to WQO**
MW-2		TPHd	15,000	3,900	0.53	Jul 2014	2
		TPHg	240,000	9,500	12.85	Sep 2106	94
		Benzene	11,453	3,300	NA	Stable	Stable
		MTBE	4,600	170	11.19	May 2070	58
		TBA	11,000	1,700	NA	Stable	Stable
MW-5		MTBE	520	29	11.60	Aug 2019	7
MW-6		TPHg	6,400	230	7.86	Dec 2027	15
		Benzene	2,500	1.5	4.30	Jan 2017	5
		MTBE	200	15	5.69	Aug 2023	11
		TBA	520	190	1.03	Dec 2015	4
MW-7		TPHg	19,700	200	3.69	Feb 2023	11
		MTBE	7,100	3.1	1.02	Oct 2010	Below WQO
		TBA	33,000	28	1.18	Sep 2012	Near WQO
MW-9		TPHd	1,100	1,000	3.82	Aug 2023	11
		TPHg	39,400	590	4.29	Jan 2024	12
		Benzene	400	3.9	3.74	Jan 2018	6
		MTBE	17,000	5.5	0.90	Nov 2010	Near WQO
		TBA	42,000	390	1.57	Oct 2018	6
MW-12		TPHg	19,100	200	4.94	Mar 2022	10
MW-13		TPHg	42,000	390	2.17	Jun 2017	5
		MTBE	55,000	280	1.23	Oct 2017	5
MW-14		TPHg	170	54	1.31	Nov 2011	Near WQO
MW-15		MTBE	120,000	17	0.90	Mar 2012	Near WQO
		TBA	400,000	31	1.02	May 2015	3
MW-16		MTBE	11,000	12	1.24	Oct 2011	Near WQO
MW-17		TPHg	14,000	420	3.56	Jan 2024	12
		MTBE	18,000	420	1.82	Sep 2023	11

Notes and Abbreviations:		
TPHg	=	Total petroleum hydrocarbons as gasoline
TPHd	=	Total petroleum hydrocarbons as diesel
MTBE	=	Methyl tertiary butyl ether
TBA	=	Tertiary butyl alcohol
ug/L	=	micrograms per liter
WQO	=	Water Quality Objective

Groundwater data suggests that the gasoline constituent plume is stable and showing a general declining trend in the majority of site wells. Following is a discussion of a few outliers:

- Benzene in well MW-2 is stable. Well MW-2 is considered to be in the vicinity of the site's "source area."
- The TBA concentrations in MW-2 are stable; however, MTBE concentrations in these wells are decreasing. TBA is generated by the breakdown of MTBE; therefore, it is expected that TBA concentrations will continue to increase or remain stable until the MTBE source has degraded and is no longer degrading into TBA.

WQO will be met in the majority of site wells within 15 years, which is considered a reasonable timeframe relative to the risk to receptors and on-going site use as a gas station. Although the projections for COCs in MW-2 seem extensive, they too are reasonable relative to the risk to receptors and on-going site use as a gas station. These COCs attenuate rapidly in the down gradient direction (~30 feet) as indicated by data from MW-7 and MW-10.

4.2.4 GWSDAT ANALYSIS AND PLUME MODELING

The GroundWater Spatio-temporal Data Analysis Tool (GWSDAT) was used to model the Site-specific chemical plumes using historic groundwater monitoring data. GWSDAT is a program developed by Shell Global Solutions to analyze the historical trends of chemicals in groundwater. The program provides visual models with constituent-specific concentration contours to aid in reporting trends for groundwater data. The GWSDAT program utilizes Microsoft Excel as the primary user interface and for data entry. The GWSDAT program uses the open source statistical program R for statistical calculations and graphical outputs.

CRA used historical groundwater monitoring data as the input to the GWSDAT program for generating plume models for dissolved-phase TPHg, benzene, MTBE, and

TBA. Data from the model confirms that the COC plumes are adequately defined and collapsing to their cores. The concentration contour maps, generated using the GWSDAT program, are presented in Appendix G.

5.0 SENSITIVE RECEPTORS

The following summary of potential receptors in the vicinity of the site is from CRA's February 29, 2012 *Sensitive Receptor Survey*.

5.1 SURFACE WATERS

The Site is located approximately 0.8 mile northwest of Aliso Creek and 1.4 miles southeast of Veeh Reservoir. It is unlikely that these surface waters will be impacted in the future due to their distance from the Site (USGS, 1981).

5.2 WATER WELLS

The El Toro Water District was contacted for information regarding groundwater production wells within a 0.5-mile radius of the Site. The representative reported that there are no groundwater production wells within 0.5 mile of the Site (El Toro Water District, 2012).

5.3 OFF-SITE HUMAN RECEPTORS

CRA evaluated off-Site human receptors within 0.5 mile of the Site, including parks, schools, churches or religious facilities, day care centers, and health facilities. The following potential receptor locations were identified by an internet search (Google, Inc., 2012):

- No parks were identified within 0.5 mile of the Site
- Three schools, the closest being St. George's Episcopal Private School, located approximately 0.2 mile northwest (cross-gradient) of the Site,
- One daycare facility is located at St. George's Episcopal Church, located approximately 0.2 mile northwest (cross-gradient) of the Site,
- One church or religious facility, St. George's Episcopal Church, located approximately 0.2 mile northwest (cross-gradient) of the Site,

- Fifty-five health facilities, the closest being a medical offices, El Toro Medical Clinic, located approximately 0.2 mile northeast (up-gradient) of the Site,
- One hospital, Saddleback Memorial Medical Center, is located 0.4 mile south (cross- to down-gradient) of the Site.

Based on their distance from the Site, it is unlikely that the above identified potential sensitive human receptors are currently or will be impacted in the future by existing Site conditions.

5.4 ON-SITE HUMAN RECEPTORS

Consistent with the LTP, there is no reasonable concern that subsurface contamination poses unacceptable indoor inhalation health risk given that the Site is an active fueling facility. Furthermore, per the LTP:

- there is no light non-aqueous phase liquid (LNAPL);
- the depth to water is greater than 10 fbg;
- benzene in groundwater is less than 1,000 ug/L, specifically beneath the station building;
- total TPH in soil within 10 feet below the building foundation is less than 100 mg/kg

There are no benzene or ethylbenzene soil impacts above the commercial/industrial and utility worker direct contact and outdoor air exposure thresholds specified in the LTP. Furthermore, given the Site's use as an active fueling facility, site workers are required to have appropriate training (i.e. HAZWOPER) to properly manage exposure scenarios should they exist.

5.5 NEARBY ENVIRONMENTAL CASES

Based on a search through the state database, Geotracker, the following six sites within a 0.5 mile of the subject Site were identified as having a current or open environmental case:

- Arco #3013 (23742 El Toro Road, Lake Forest, CA; Orange County Health Care Agency [OCHCA] Case No. 91UT105; RWQCB-SA Case No. 083001923T): This site

is located 1,600 feet northeast (up-gradient) and the case opened in August 2004. The contaminant of concern is gasoline.

- Mobil #18-378(23771 El Toro Road, Lake Forest, CA; OCHCA Case No. 98UT0915; RWQCB-SA Case No. 083003311T): This site is located 1,400 feet northeast (up-gradient) and the case opened in March 2009. The contaminant of concern is gasoline.
- Saddleback Valley Plaza, Former Dry Cleaner (23684 El Toro Road, Lake Forest, CA): This site is located 2,110 feet northeast (up-gradient) and the case opened in June 2009. The contaminant of concern is tetrachloroethylene (PCE).
- Shell Oil (23751 El Toro Road, Lake Forest, CA; OCHCA Case No. 03UT020): This site is located 1,580 feet northeast (up-gradient) and the case opened in March 2004. The contaminant of concern is gasoline.
- The Shops at Lake Forest Shopping Center (24312-24422 Rockfield Boulevard, Lake Forest, CA; RWQCB-SA Case No. SL208213876): This site is located 1,350 feet northeast (up-gradient) and the case opened in June 2009. The contaminants of concern are volatile organic compounds (VOCs).
- Former Wright Petroleum (aka G&M Oil Company Station #40) (23991 El Toro Road, Laguna Hills, CA; OCHCA Case No. 85UT052; RWQCB-SA Case No. 083000580T): This site is located 80 feet southwest (down-gradient) and the case opened in June 2007. The contaminant of concern is diesel.

6.0 REMEDIATION SUMMARY

Based on the available information, the following remedial activities have been performed at the site.

Manual SPH recovery was conducted from September 1990 to September 1991. An automated SPH recovery system operated from September 1991 to February 1992. A total of 239 gallons of SPH were removed from the site during these activities.

During March 1992 station upgrades, approximately 20 cubic yards of soil was removed from the site.

A SVE system was installed during 1994 and operated through October 1994. Approximately 1,000 pounds of petroleum hydrocarbons were removed during system operation.

A GWE system operated at the site from June 1993 until July 2002. Approximately 1,777,482 gallons of groundwater were treated during system operation.

A DPE test was performed in April 2002. Approximately 7,940 gallons of groundwater were removed.

Installation of OPIS wells OW-1 through OW-30 (sans OW-13) was completed in March 2005. The wells were installed in a fenced-arrangement. The system installation was completed and startup occurred in December 2005. The system was shut off in April 2008 until design changes could be implemented. In March 2009, installation of the redesigned system was completed and the system was started. The re-design included the addition of wells OW-31 through OW-42. The system operated intermittently until January 2010 when it was shut down due to rain water infiltration into a vault submerging system electrical components.

7.0 SUMMARY OF CURRENT SITE CONDITIONS

Based on the review of historical documents, the following conclusions have been made:

- A "hot spot" remains onsite as indicated by groundwater monitoring data. Data from well MW-2 pin points the "hot spot." Data from the surrounding wells (e.g., MW-7) demonstrate that the COCs attenuate quickly in all directions, and that the chemical plumes are collapsing.
- The receptor survey information coupled with the stability of the chemical plumes suggests that no identified receptors are at risk.
- Two generations of OPIS were operated at the site intermittently from December 2005 through January 2010. The operational and monitoring data indicate OPIS likely assisted attenuation of chemicals of concern over the course of operation, but the data indicates the system has reached its effective limit as configured. The system has been off-line due electrical issues and has had a history of other operational issues. There appears to be very minimal benefit for continued operation of the system to warrant the repair and on-going operational costs as discussed in our January 26, 2011 *Remediation System Evaluation* letter.
- The horizontal extent of impacted groundwater is defined.
- Impacted soil is below the groundwater table.
- Residual COC impact in soil appears to be minimal based on historical data, remedial efforts, and natural attenuation at the site.

- Residual chemical mass in groundwater at the site is minimal.
- PCE and TCE detected beneath the site are due to an offsite source.
- Based on current site data, additional active remediation at the site does not appear to be warranted.

8.0 CORRECTIVE ACTION PLAN

8.1 CLEANUP GOALS

CAP clean-up objectives are typically based on one or more of the following criteria:

- Department of Health Services (DHS) primary or secondary (MCLs) for drinking water,
- Environmental Screening Levels (ESLs) established by the RWQCB – San Francisco Bay Region's or other agency risk-based corrective action (RBCA) guidelines,
- Risk-based clean-up levels established by risk assessment or RBCA analysis,
- Current closure guidelines from the regulatory agencies, such as the California SWRCB criteria for low-risk groundwater cases, or
- Application of Best Available Technology based on remediation system operation data that demonstrate asymptotic levels have been achieved for chemical concentrations in soil and/or groundwater.

The COCs for the site, current maximum concentrations, and the proposed groundwater cleanup goals (WQOs) for the site are as follows:

Table B – COC and Cleanup Goals				
Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California				
Constituent of Concern	**Background Level (µg/L)**	**Water Quality Objectives (µg/L)**	**Reference for Objective**	**Current Maximum Concentration (µg/L)**
TPHd	≤50.0	50[1]	Background	**3,900 (MW-2)**
TPHg	≤50.0	50[1]	Background	**9,500 (MW-2)**
Benzene	≤0.5	1	CA MCL	**3,300 (MW-2)**
Toluene	≤0.5	150	CA MCL	<20 (MW-2)
Ethylbenzene	≤0.5	700	CA MCL	68 (MW-2)
Xylenes	≤1.0	1,750	CA MCL	250 (MW-2)
MTBE	≤0.5	5	CA Secondary MCL	**420** (MW-17)
TBA	≤5.0	12	DHS Interim Action Level	**3,500 (MW-2)**
DIPE	≤1.0	1[1]	Background	**140 (MW-2)**
ETBE	≤1.0	1[1]	Background	<40 (MW-2)
TAME	≤1.0	1[1]	Background	<40 (MW-2)

[1] MCL has not been established. WQO equal to assumed background level.

These proposed clean-up goals are considered "ultimate" clean-up goals. However, a risk-based approach to clean-up and closure is reasonable given the current lack of and unlikelihood of future receptors.

Soil cleanup will be established at levels that protect human health. Additional soil cleanup levels should be based on the COC leaching potential to groundwater. The primary COC at the site are dissolved-phase hydrocarbons and oxygenates. The site is remains an active gas station, for which vapor intrusion risk can be excepted from consideration per the low threat policy given the relative vapor exposure to employees from standard gas station operations. Therefore, soil cleanup evaluation is limited to leaching of hydrocarbons and oxygenates to groundwater. CRA does not propose numeric soil cleanup levels, but instead proposes using COC dissolved-phase concentration trends and plume degradation data as leaching indicators. In general, COC dissolved-phase concentrations are showing a declining trend with exceptions at MW-2 as discussed previously. This data suggests that no additional direct soil clean up is needed.

Although significant reductions in soil and groundwater concentrations of COC can be attained by various remedial alternatives, attainment of the proposed clean-up levels may prove to be technically or economically infeasible. Thus, actual soil and groundwater remediation may be limited to that which is technically or economically feasible. CRA proposes the WQOs listed above as the Site's cleanup goals.

8.2 UST LOW THREAT CLOSURE POLICY

The intent of this LTP is to increase UST cleanup process efficiency. A benefit of improved efficiency is the preservation of limited resources for mitigation of releases posing a greater threat to human and environmental health. As per the LTP policy, sites that meet the general and media-specific criteria described in the LTP do not pose a threat to human health, safety, or the environment and are appropriate for UST case closure pursuant to Health and Safety Code section 25296.10. The LTP further states that sites that do not meet the stated criteria should be issued a closure letter if the site is determined to be low-threat based upon a site-specific analysis.

8.2.1 GENERAL CRITERIA REQUIRMENTS

For this Site, the LTP general criteria listed below has been satisfied:

a) The unauthorized release is located within the service area of a public water system;
b) The unauthorized release consists only of petroleum;
c) The unauthorized ("primary") release from the UST system has been stopped;
d) Free product has been removed to the maximum extent practicable;
e) A conceptual site model has been developed;
f) Secondary source has been removed to the extent practicable;
g) Soil or groundwater has been tested for MTBE and results reported in accordance with Health and Safety Code section 25296.15; and
h) A nuisance does not exist.

8.2.2 MEDIA-SPECIFIC CRITERIA REQUIRMENTS

Media-specific criteria are related to the most common exposure scenarios, which in the LTP have been combined into three media-specific criteria related to groundwater, vapor intrusion to indoor air, and direct contact and outdoor air exposure. Following is comparison of Site conditions to these criteria.

- Media-specific criteria #2 for groundwater is generally satisfied.
- The extent of the plume that exceeds the WQOs is less than 250 feet in length.
- There is no SPH.

- The nearest water supply well or surface water is greater than 1,000 feet from the plume boundary.
- Dissolved-phase benzene is less than 3,000 μg/L (sans MW-2) and MTBE is less than 1,000 μg/L. Benzene in well MW-2 has fluctuated above this 3,000 μg/L threshold intermittently. The average concentration of benzene in MW-2 over the last 10 years is 1,920 μg/L, and benzene was above this 3,000 μg/L threshold only four times in this 10 year period. As noted previously, benzene is non-detect in wells MW-6 and MW-7, which are approximately 30 feet down gradient of MW-2.
- The Site is an active fueling facility and there is no reasonable concern that subsurface contamination poses unacceptable indoor inhalation health risk.
- Historical benzene and ethylbenzene concentrations in soil are below the specified commercial/industrial and utility worker thresholds at the specified depth intervals. Only one sample (D1-NP-1, March 1992) exceeds the residential threshold. There is no naphthalene or PAH soil analytical data for this Site. Again, the Site is an active gas station with an asphalt/concrete surface. Construction workers at such sites are required to have training (i.e. HAZWOPER) to properly manage exposure. Given these considerations, this exposure pathway is appropriately mitigated.

8.3 REMEDIAL ALTERNATIVES DISCUSSION AND APPROACH

The remedial alternatives evaluated were based on an objective to implement a technically feasible, cost-effective, and sustainable remedial approach to address residual source material and dissolved-phase COC impacts (specifically at MW-2) underlying the site to shorten the timeframe to meet the clean-up goals.

Based on the remedial objective discussed above, technologies reviewed for meeting the remedial objective of the Site included: in-situ chemical oxidation (ISCO), excavation, in situ enhanced biodegradation (ISEB), and NA. Each of these alternatives is discussed below and evaluated on the basis of technical feasibility and cost effectiveness.

8.4 IN-SITU CHEMICAL OXIDATION

8.4.1 DESCRIPTION

With in-situ chemical oxidation (ISCO), a strong oxidizing agent is applied to the subsurface to break the carbon bonds in the chemicals and convert them into non-hazardous, or less toxic, compounds: typically carbon dioxide (CO_2) and

water (H_2O). In addition to direct oxidation of the COCs, a benefit of ISCO is that after introducing the solution into the subsurface, it typically produces elevated dissolved oxygen concentrations in groundwater that can accelerate naturally occurring hydrocarbon biodegradation processes. Commonly used oxidizing agents include hydrogen peroxide (H_2O_2), activated sodium persulfate ($Na_2S_2O_8$) solution, potassium permanganate ($KMnO_4$), Fenton's Reagent (H_2O_2 in a solution of ferrous salts), and ozone (O3). H_2O_2 activated $Na_2S_2O_8$ solution; $KMnO_4$, H_2O_2, and Fenton's Reagent are effective when delivered in an aqueous solution and react with a wide range of chemicals. The Fenton's Reagent reaction is exothermic, and the heat generated can cause volatilization of hydrocarbon compounds. It also requires a pH of 5 pH units and a ferrous sulfate catalyst. Ozone can be introduced in the subsurface in a gaseous form via sparging wells. Active ISCO requires accurate delineation of the source of dissolved hydrocarbons and the removal of all separate phase hydrocarbons (SPH). The chemical oxidants are relatively inexpensive and readily available in large quantities. Large quantities of oxidizing chemicals require regulated handling and pose health and safety concerns. Chemical oxidation may cause mobilization of metals, possible formation of chemical by-products, heat, gas, and biological perturbation.

ISCO is site specific, and successful treatment is typically a function of the effectiveness of the delivery system (being able to deliver sufficient amounts of oxidant to the impacted soil and groundwater and making sufficient "contact") and subsequent transport of the oxidant within the soil and groundwater. The treatment performance is dependent to a great extent on the soil chemistry. A critical factor in the evaluation of ISCO treatment is determining the dosages of oxidant that are required to effectively oxidize the hydrocarbon compounds present (referred to as stoichiometric demand) as well as the competing reactions. The competing reactions are typically caused by the presence of natural organic materials such as humates and fulvates, as well as reduced metal constituents. The consumption of oxidants by these non-target compounds is defined as natural oxidant demand (NOD).

By-products formed from the oxidation reaction are either innocuous (water, oxygen, and carbon dioxide) or are non-toxic at the levels produced. Any intermediates that are formed are typically transient and are quickly oxidized to carbon dioxide and water. In general, the oxidative pathway does not create any compounds of concern. Example equations for the chemical oxidation of benzene by Fenton's Reagent and by sodium persulfate are shown below:

$C6H6 + 15\ H2O2 \rightarrow 6\ CO2 + 18\ H2O$
$C6H6 + 14\ Na2S2O8 + 12\ H2O \rightarrow 6\ CO2 + 15\ H2SO4 + 13\ SO4 + 28Na+$

The reaction consumes 15 moles of peroxide or 14 moles of persulfate for each mole of benzene. The formation of any reaction intermediates is short-lived, and intermediates degrade quickly to carbon dioxide and water. The equations for the other petroleum hydrocarbon compounds are similar and are, therefore, not reproduced here.

A by-product of chemical oxidation that has been identified at several sites is acetone. Acetone is thought to be a product of non-specific oxidation (i.e. the chemical oxidation of the naturally occurring organic material in the soil). Since it comes from a non-specific reaction, it is not possible to predict how many moles of acetone may be produced. However, in CRA's experience, acetone is biodegraded quickly and does not remain in the soil/groundwater matrix for a long time after the ISCO treatment has been completed.

8.4.2 FEASIBILITY AND COST-EFFECTIVENESS

CRA's successful experience with ISCO remedial efforts has been limited; even on sites with optimal permeability and homogeneous soil conditions. There is typically a significant "rebound" of dissolved gasoline constituent concentrations in groundwater that typical occur from "desorbing" of gasoline constituents that are trapped within the soil matrices, as part of the oxidation processes, which in turn can increase dissolved constituent concentrations in the shallow groundwater. There are also significant safety and potential equipment/infrastructure damage considerations associated with ISCO implementation at active gas stations or in proximity to public infrastructure and utilities, where a relatively shallow ground water table is present.

Based on the probable technical infeasibility and safety/equipment damage considerations, ISCO application was considered to be not be appropriate for meeting the remedial objectives for the Site. Thus, a conceptual design and life-cycle cost estimate were not developed for this remedial option.

8.4.3 RECOMMENDATION

Underground infrastructure and utility facilities, and fuel storage, distribution, and dispensing equipment near the target area makes ISCO potentially dangerous and a hazard to equipment and/or infrastructure at an active service station site. CRA has rarely observed successful and cost-effective remediation by ISCO at similar sites. CRA does not recommend ISCO at the Site.

8.5 EXCAVATION

8.5.1 DESCRIPTION

Excavation is often the quickest method to remediate hydrocarbons in soil. With this method, impacted soil is excavated, hauled off-site for disposal, and replaced with clean backfill material. However, at the Site, a significant amount of disruption to the existing active service station and potentially to South El Camino Real would have to occur to facilitate the excavation work envisioned. There would also be removal of a significant amount of "clean" overburden soils to gain access to the majority of noted COC soil impacts, which are primarily concentrated in two zones: the upper zone occurring at depths between 5 to 15 fbg, and the lower zone occurring at depths between 22 to 30 feet below grade in the groundwater capillary fringe and groundwater "smear zone" of the shallow soil horizon.

Standard earth moving equipment (excavators, backhoes, bobcats, loaders, etc.) is typically utilized for soil excavation. Depending on available space, this range of equipment can excavate to a depth of approximately 25 feet. The excavation can be "stepped" and shored as necessary to dig to deeper elevations. Entry into excavations deeper than 5 feet requires sidewall sloping or shoring per OSHA regulations. Excavation on-site and potentially into South El Camino Real would likely require shoring to prevent collapse of the sidewalls, and to prevent damage or undermining of neighboring structures, surface improvements, underground infrastructure, utilities, sidewalks, etc. Additionally, dewatering (and corresponding recovered groundwater temporary storage, treatment and disposal) of the excavated area(s) would likely be required depending on the groundwater elevation present during excavation, and groundwater recharge rates. The extent of excavation is typically estimated in advance using available soil boring data, but is ultimately directed by field personnel during active excavation work based on visual observation and soil sampling and corresponding field screening utilizing field monitoring equipment such as a photo-ionization detector (PID) to screen soils by measurement of soil headspace vapor concentrations. Soil samples are collected for chemical analysis to confirm that the excavation limits are sufficient to meet soil cleanup goal levels.

8.5.2 CONCEPTUAL DESIGN

The conceptual excavation limits for the Site is simply a 15-foot by 15-foot footprint bounding well MW-2, completed to a depth of 20 fbg. This excavation equates to 167 cubic yards, or 250 tons of soil. Speed shoring would be utilized to complete the

excavation safely. Well MW-2 would be destroyed by pressure-grouting prior to the excavation, and then replaced after the excavation.

8.5.3 FEASIBILITY AND COST-EFFECTIVENESS

Excavation would potentially be one of the most effective methods for removing the hydrocarbon mass in deeper soil near MW-2. Dissolved-phased hydrocarbons would attenuate more rapidly once the residual source material is removed. The addition of biological and chemical amendments to the imported backfill material may also enhance the biodegradation/attenuation rates.

Currently, the existing facilities (dispenser islands, product distribution piping, canopy, surfacing materials, and potentially the USTS) would need to be removed and/or relocated to facilitate the mass excavation required; excavation would not be economically feasible without their respective removals and replacement. Excavation work extending out into the South El Camino Real sidewalk (and corresponding City right-of-way) would likely involve extensive permits and approvals; traffic and pedestrian control; surfacing materials, underground infrastructure, and utility removal, relocation, and/or replacement; and other related work and associated costs to facilitate the excavation conceptualized.

The conceptual excavation is estimated to cost $160,000. The cost of excavation would include permitting, shoring, dewatering, excavating, profiling the soil for disposal, confirmatory sampling and analyses, off hauling and disposal, traffic and pedestrian control and management, backfill and compaction, surface restoration, well replacement, project management and reporting.

Semi-annual groundwater monitoring would cost $75,000 assuming approximately 1 year of monitoring during implementation and 2 years of post remedial monitoring at $25,000 per year. At the end of the project, well destruction/decommissioning of ground water monitoring wells by pressure-grouting would cost an estimated $100,000. Closure administration is estimated to cost $5,000. The total cost to closure for this remediation option is estimated to be approximately $340,000.

8.5.4 RECOMMENDATION

Excavation is a viable active remedial option, but is cost-prohibitive and highly disruptive to the service station viability and operation, as well as the general public

(nuisance). CRA does not recommend excavation because it is not justified by a risk to receptors nor a sustainable remedial approach per below.

- Site viable business operations would be unnecessarily disturbed, thereby impacting local economic sustainability.
- Excavate generates waste - only displaces the removed soil (landfill) and groundwater (sanitary sewer disposal);
- Generates greenhouse gases from electricity use, and fuel use for excavation, hauling, and disposal equipment
- Expends natural resources (fuel, fill material, water, bio-amendments, sewer/treatment capacity, landfill capacity, electricity, etc);
- Generates and transports airborne contaminants and dust;
- Generates noise disturbance;
- Would result in the disturbance of clean native soils not requiring remediation or disturbance; and
- Expends limited resources (including reimbursable funds) for mitigation of releases posing a greater threat to human and environmental health.

8.6 IN-SITU ENHANCED BIODEGREDATION

8.6.1 DESCRIPTION

In-situ biodegradation (aerobic or anaerobic) is a treatment process whereby contaminants are metabolized into less toxic or non-toxic compounds by naturally occurring microorganisms. The microorganisms utilize the hydrocarbons as a source of carbon and energy. In order to stimulate biological activity, biodegradation processes can be enhanced by the injection of nutrients, microbial cultures, suitable electron acceptors, and carbon/energy sources. Site conditions can be manipulated to enhance in-situ biodegradation processes and speed up degradation rates of Site hydrocarbons. In this process, several techniques can be applied to enhance biodegradation of the hydrocarbons, such as:

- Injection of air (APIS), oxygen (OPIS), ORC, or magnesium, calcium, or hydrogen peroxide to enhance biodegradation of the hydrocarbons under aerobic conditions;
- Injection of an organic substrate such as soy-lactate or hydrogen release compound (HRC) to stimulate enhanced biodegradation of certain compounds such as PCE, TCE, and highly chlorinated aromatic compounds under anaerobic conditions.

- Injection of nitrate and/or sulfate to enhance the biodegradation of hydrocarbons under anaerobic conditions by denitrification/sulfate reduction;
- Nutrient supplementation with suitable sources of nitrogen and phosphorus to enhance biodegradation of contaminants by indigenous microbial population; and
- Bioaugmentation by injection of microbial cultures to improve the effectiveness of the microbial population in degrading the contaminant of concern (COC).

Additives can be mixed with water to create a nutrient solution and added to the subsurface via Direct Push Technology (DPT) injection and/or possibly pressure pumping into wells.

8.6.2 ISEB METHOD SELECTION

A full bio-parameter evaluation has not been conducted. In general, dissolved oxygen (DO) levels at the Site are just below the aerobic threshold (<4.0 mg/L). OPIS was previously conducted at the Site with marginal to moderate success. Based on the results of this past ISEB approach (oxygenation), CRA has selected sulfate injection as an alternative ISEB approach for this remedial alternative evaluation. Collection of sulfate data would be necessary to confirm sulfate depletion in the target area and feasibility of the approach.

8.6.3 ISEB CONCEPTUAL DESIGN

Three DPT injection points would be placed in the area of well MW-2. The DPT injection points will target 2-foot discrete depths intervals variably ranging from 15 to 30 fbg. A commercially-available sulfate solution will be pressure-pumped into the formation via the DPT injection points. Each DPT injection point is estimated to receive 40 gallons of the solution at each discrete interval resulting in approximately 300 gallons per injection point.

8.6.4 FEASIBILITY AND COST-EFFECTIVENESS

Collection of sulfate data would be necessary to confirm sulfate depletion in the target area and feasibility of the approach. The feasibility of ISEB is dependent on delivering and dispersing adequate solution in the target area. Soils for MW-2 in the target interval

are characterized as fine-grained (silts and clay), which may not be as receptive to solution injection. Higher pressure-pumping would likely be required.

Design, permitting, and project coordination are estimated to cost $5,000. A Notice of Intent (NOI) would be filed for coverage under the General Order for issuing waste discharge requirements (WDRs) for in situ groundwater remediation at a cost of $15,000. Field implementation is estimated to cost $45,000, which includes all labor, drilling, equipment, sulfate solution, nutrients, and consumable materials. Field implementation is anticipated to take up to 2 days. The total WDR monitoring and reporting cost is estimated at $5,000.

Routine groundwater monitoring would continue for approximately 2 years. The groundwater monitoring cost is estimated at $25,000 per year, totaling $50,000. Case closure and proper well abandonment and reporting would cost approximately $105,000. Therefore, the lifecycle project cost for this alternative is estimated to be $225,000.

8.6.5 RECOMMENDATION

There is no risk to any receptors from the residual impacts. COC plumes are not migrating and are collapsing to their cores. The projected timeframe for COC to reach WQOs is reasonable considering no receptors are at risk and the Site use as a gas station will continue for the foreseeable future. An ISEB approach (OPIS) was previously implemented with marginal to moderate results indicating that active remediation has been conducted to the extent practicable. Further active remediation, including ISEB, is not warranted. CRA does not recommend ISEB.

8.7 NATURAL ATTENUATION (NA)

8.7.1 DESCRIPTION

Naturally occurring biodegradation, adsorption, chemical reactions, volatilization and dispersion/dilution are all occurring mechanisms that naturally degrade hydrocarbons found in gasoline fuel related constituent impacts to groundwater. NA consists of monitoring the natural degradation processes that take place in the subsurface. The primary indicator of natural attenuation is a decrease in the concentrations of COCs. Secondary indicators such as dissolved oxygen (DO) concentrations, oxidation-reduction potential, alkalinity, nitrate, sulfate, and ferrous iron concentrations are also used to

evaluate the existence of and the potential for natural attenuation. When there are no potential receptors at risk from the noted COCs on the Site, than NA is a very applicable remedial method.

8.7.2 FEASIBILITY AND COST-EFFECTIVENESS

As discussed in the preceding sections, stable and /or declining dissolved-phase COC concentrations are observed in all monitoring wells. Available data indicate that the risk of COC migration from the remaining 'hot spot' in proximity to MW-2 is not occurring.

The historic groundwater monitoring data also indicates that the COC plumes are collapsing (at a steady rate) and not expanding, migrating, or "rebounding", as a result of past remedial efforts and natural attenuation. Projections of concentration trends indicated WQOs/ESLs will be met in a reasonable time relative to the risk to local receptors. A "reasonable time frame" for plumes of limited extent is multiple decades or longer as determined in SWRCB Closure Order WQ 98-04.

There are no identified conceivable receptors presently at risk from the noted impacts on the Site. Site conditions align with the LTP closure criteria. The existing groundwater monitoring data set is adequate for the projections provided. Not further groundwater monitoring is deemed necessary to characterize COC plume behavior. Well destruction/decommissioning by pressure-grouting and case closure application and processing is estimated to cost $105,000. The total lifecycle project cost for the NA alternative is estimated to be $105,000. Based on these data, NA is a technically feasible and cost effective remedial option for the site.

8.7.3 RECOMMENDATION

Natural attenuation/degradation of COCs at this Site is projected to continue without any outside remedial efforts, with COC concentration levels in the shallow groundwater and soils projected to continue to decrease over time. The Site aligns with the general and media-specific criteria that would facilitate regulatory file closure under the LTP guidelines. Therefore CRA is recommending NA as the most suitable, cost-conscious, and sustainable approach. Additionally, the existing groundwater monitoring data set is sufficient for understanding COC plume behavior. Therefore, CRA recommends discontinuing groundwater monitoring.

8.8 COMPARISON OF REMEDIAL ALTERNATIVES

	ISCO	Excavation	ISEB	NA
Technical Feasibility	Poor	Good	Poor	Good
Effectiveness	Poor	Good	Poor	Good
Pilot Testing	ND	NA	ND	NA
Implementation	ND	$160,000	$70,000	NA
Operational Duration	NA	1 year	NA	NA
Average Annual Operational Cost	NA	NA	NA	NA
Total Operational Cost	NA	NA	NA	NA
Annual Groundwater Monitoring Cost	ND	$25,000	$25,000	NA
Groundwater Monitoring Duration	ND	3 years	2 years	0 years
Total Groundwater Monitoring Cost	ND	$75,000	ND	NA
System Demo	ND	NA	ND	NA
Closure Request/Well Destructions	ND	$105,000	$105,000	$105,000
Total Cost	**ND**	**$340,000**	**$225,000**	**$105,000**

9.0 CONCLUSIONS

The site conceptual model demonstrates that the COC plumes are slowly collapsing and not migrating. No receptors are currently at risk.

Secondary source has been remediated to the extent practicable.

Residual gasoline constituent degraded source remains near MW-2.

Corrective action remedial alternatives evaluated for application at the Project Site included ISCO, excavation, ISEB, and NA.

The last 2 years of monitoring data support natural attenuation.

In consideration of the existing site conditions, the historically observed and recorded stability and immobility of the noted plume extent, and the declining or stable trends in COC concentration levels as the inferred result of natural biodegradation/attenuation processes, this CAP concludes that the most prudent, appropriate, and sustainable remedial approach for the Site is NA, noting that further groundwater monitoring is not warranted.

Site conditions align with the SWRQCB's LTP general and media-specific criteria that would justify regulatory file closure.

10.0 RECOMMENDATIONS

CRA recommends NA as the most appropriate, cost-effective, and sustainable method to achieve Site cleanup goals. There are remaining COC concentrations in soil and groundwater; however, natural attenuation remediation is effectively occurring.

CRA recommends discontinuing groundwater monitoring.

CRA also recommends that RWQCB-SA evaluate this Site for case closure with respect to the LTP and SWRCB Resolution 92-49. SWRCB Resolution 92-49 states the requisite level of water quality does not need to be met at the time of closure if it can be demonstrated that cleanup levels will be attained in a reasonable time period.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Angela Ribeiro

REGISTERED PROFESSIONAL ENGINEER
DANIEL N. LESCURE
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EXP. 6/30/13
CIVIL
STATE OF CALIFORNIA

8/27/12

Dan Lescure, PE

11.0 REFERENCES

Atlas Environmental Engineering, Inc., 2011, Well Abandonment Activities: dated December 6.

Atlas Environmental Engineering, Inc., 2012, Underground Storage Tank Removal Report: dated February 29.

California Regional Water Quality Control Board – Santa Ana Region (RWQCB-SA), 2008, Water Quality Control Plan, Santa Ana River Basin (8): updated February.

Conestoga-Rovers & Associates, Inc., 2011a, Remediation System, Evaluation: dated January 26.

Conestoga-Rovers & Associates, Inc., 2011b, Site Assessment Report: dated November 15.

Conestoga-Rovers & Associates, Inc., 2012, Groundwater Monitoring Report – First Quarter 2012: dated March 29.

El Toro Water District, 2012, Personal Communication: February 23.

Google, Inc. (Google), 2012, Google Maps, accessed February 25, from Google website: http://www.google.com/maps.

Miller Brooks Environmental, Inc., 2001a, Additional Site Investigation Report: dated February 9.

Miller Brooks Environmental, Inc., 2001b, Station Upgrade Report: dated September 26.

Miller Brooks Environmental, Inc., 2002a, Additional Site Investigation Report: dated April 12.

Miller Brooks Environmental, Inc., 2002b, Third Quarter 2002 Groundwater Monitoring and Sampling Report and Project Status Update: dated October 23.

Miller Brooks Environmental, Inc., 2005, Site Conceptual Model and Remediation Well Installation Report: dated June 6.

Morton, D.M. and Miller, F.K., 2006, Geologic map of the San Bernardino and Santa Ana 30' x 60' quadrangles, California: U.S. Geological Survey, Open-File Report OF-2006-1217, Scale 1:100000.

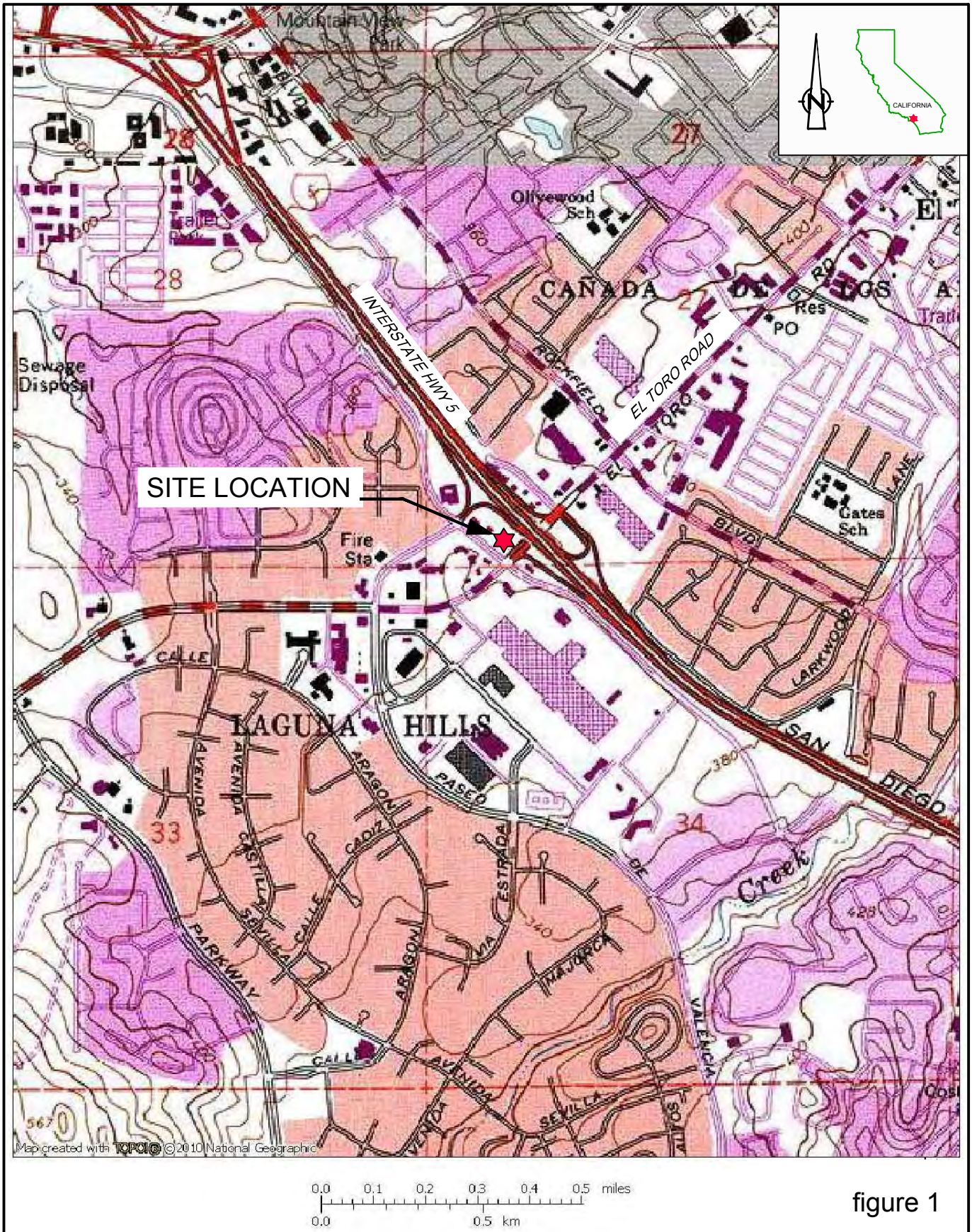
United States Geological Survey (USGS), 1981, San Juan Capistrano Quadrangle, California, Orange Co., 7.5-Minute Series (Topographic); Scale 1:24, 000.

Wayne Perry, Inc., 2000, Site Assessment Report: dated May 30.

Wayne Perry, Inc., 2005, Waste-Oil Remote-Fill Removal Soil Sampling Report: dated July 19.

Wayne Perry, Inc., 2008, Well Abandonment and Installation Report: dated May 30.

FIGURES



0.0 0.1 0.2 0.3 0.4 0.5 miles

0.0 0.5 km

figure 1

VICINITY MAP
SHELL-BRANDED SERVICE STATION
23971 El Toro Road, Laguna Hills, CA

60703-95(010)GN-WA001 FEB 21/2012

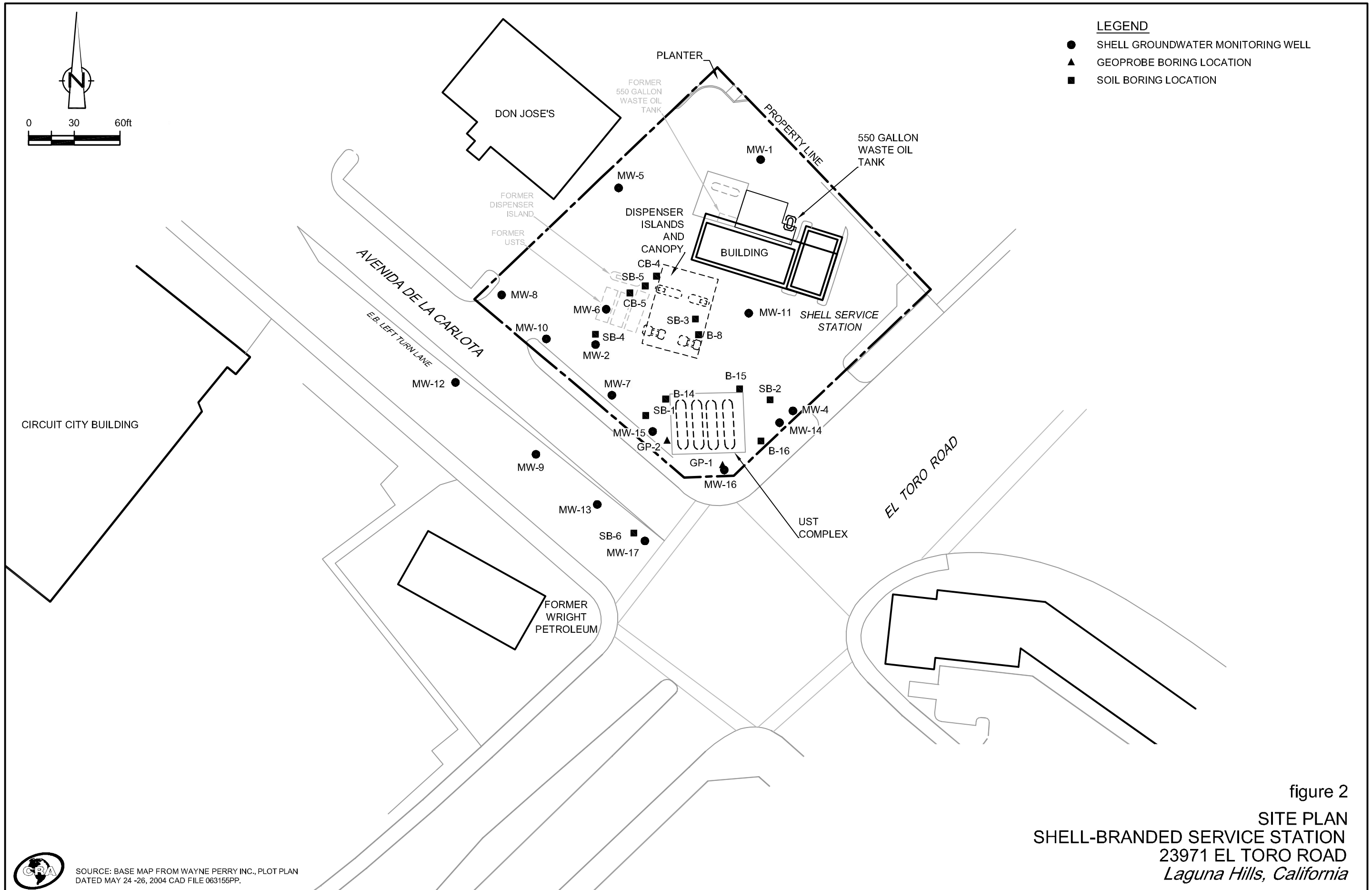


figure 2

SITE PLAN
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
Laguna Hills, California

60703-95(008)GN-WA002 NOV 15/2011

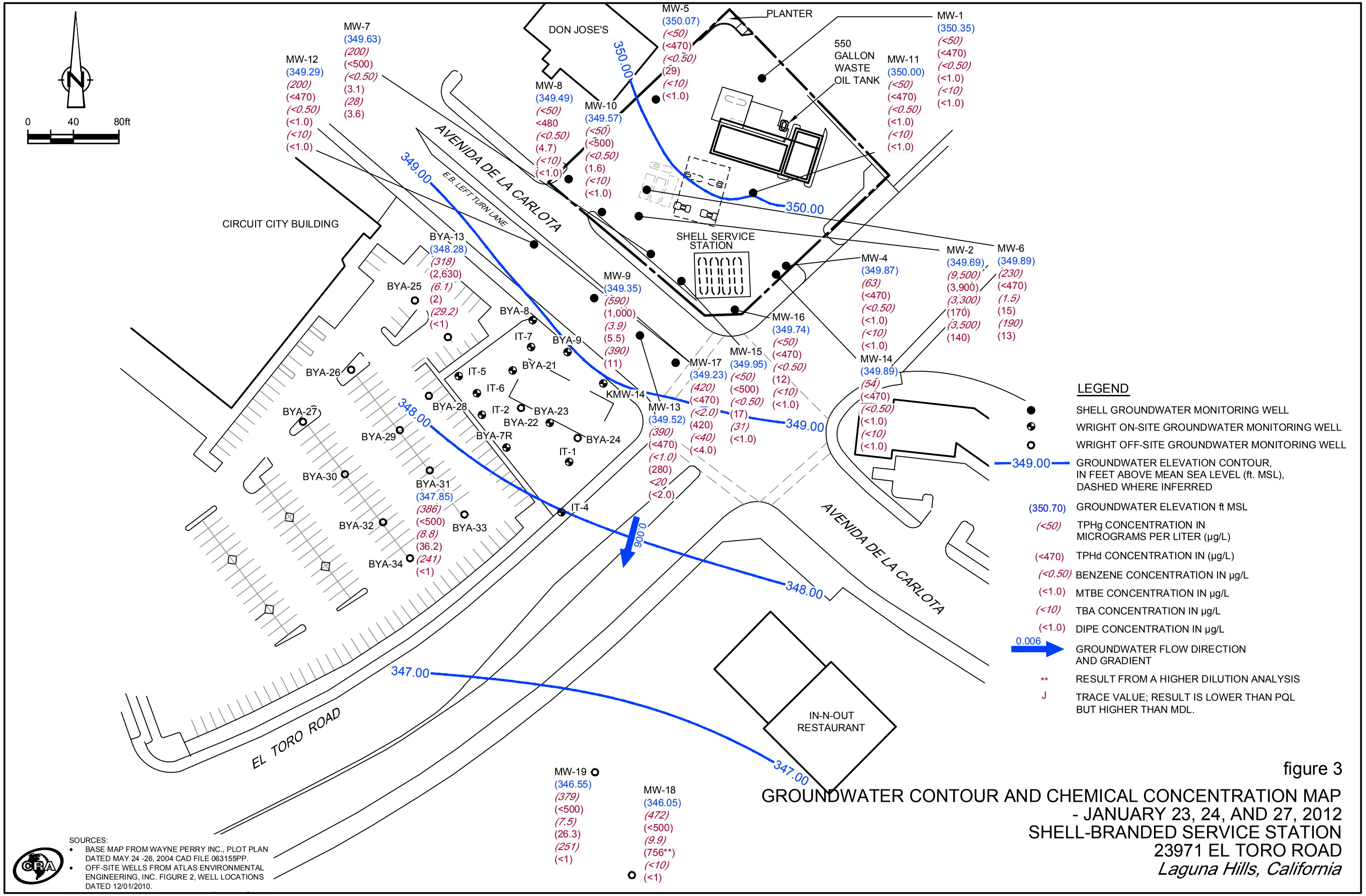


figure 3

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP
- JANUARY 23, 24, AND 27, 2012
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
Laguna Hills, California

60703-95(010)GN-WA003 FEB 23/2012

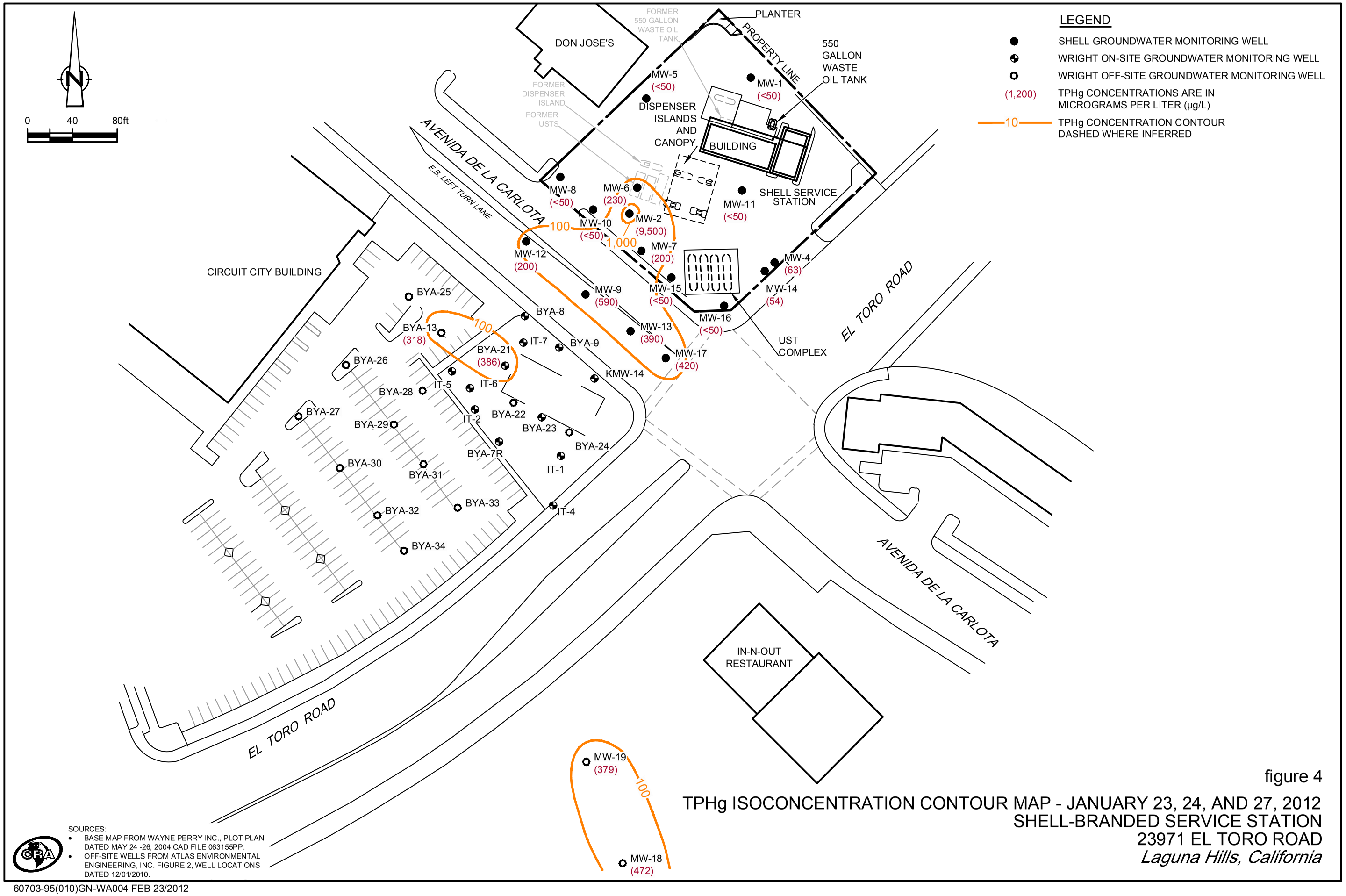
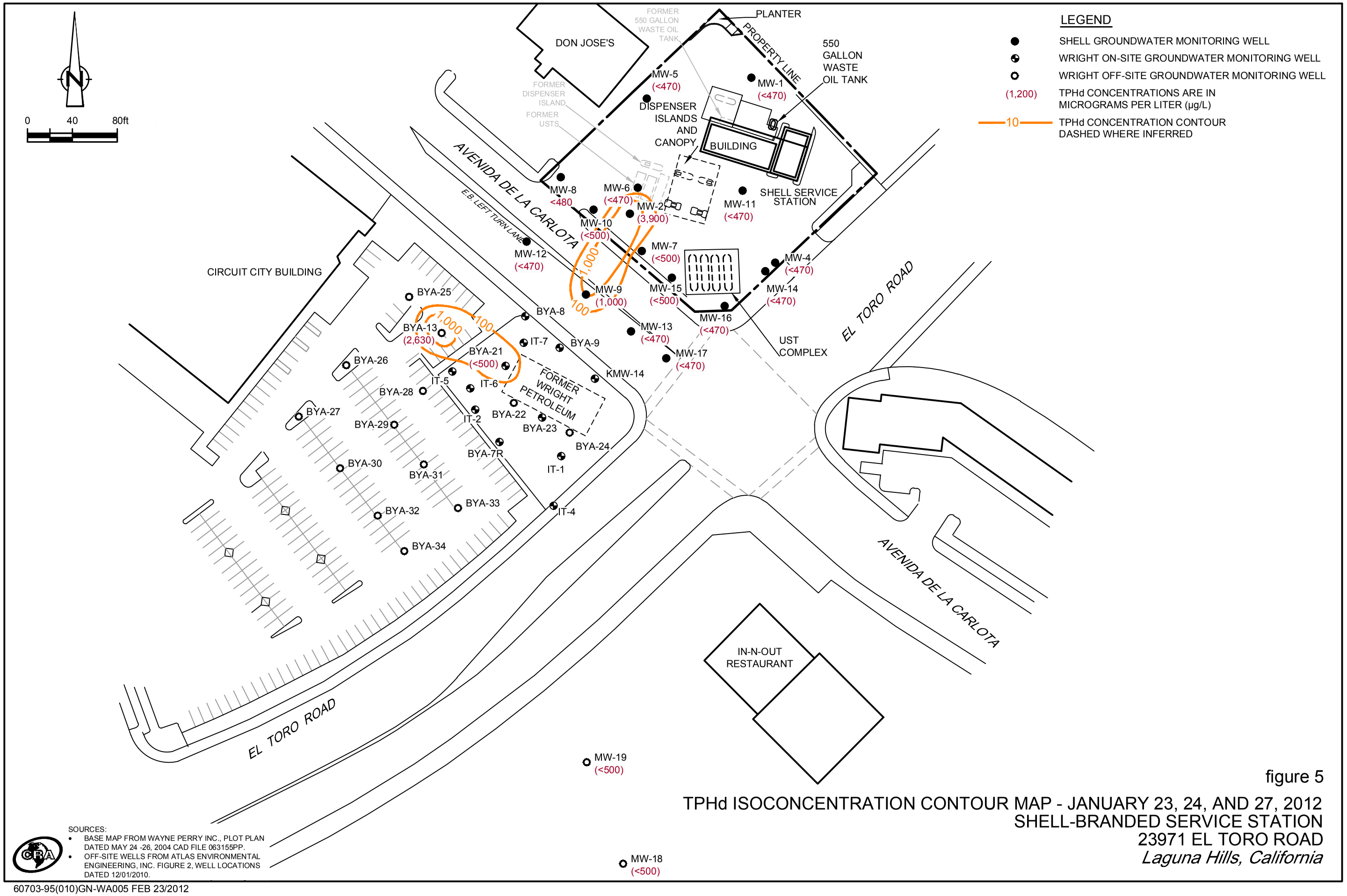


figure 4

TPHg ISOCONCENTRATION CONTOUR MAP - JANUARY 23, 24, AND 27, 2012
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
Laguna Hills, California

SOURCES:
- BASE MAP FROM WAYNE PERRY INC., PLOT PLAN DATED MAY 24 -26, 2004 CAD FILE 063155PP.
- OFF-SITE WELLS FROM ATLAS ENVIRONMENTAL ENGINEERING, INC. FIGURE 2, WELL LOCATIONS DATED 12/01/2010.

60703-95(010)GN-WA004 FEB 23/2012



SOURCES:
- BASE MAP FROM WAYNE PERRY INC., PLOT PLAN DATED MAY 24 -26, 2004 CAD FILE 063155PP.
- OFF-SITE WELLS FROM ATLAS ENVIRONMENTAL ENGINEERING, INC. FIGURE 2, WELL LOCATIONS DATED 12/01/2010.

figure 5

TPHd ISOCONCENTRATION CONTOUR MAP - JANUARY 23, 24, AND 27, 2012
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
Laguna Hills, California

60703-95(010)GN-WA005 FEB 23/2012

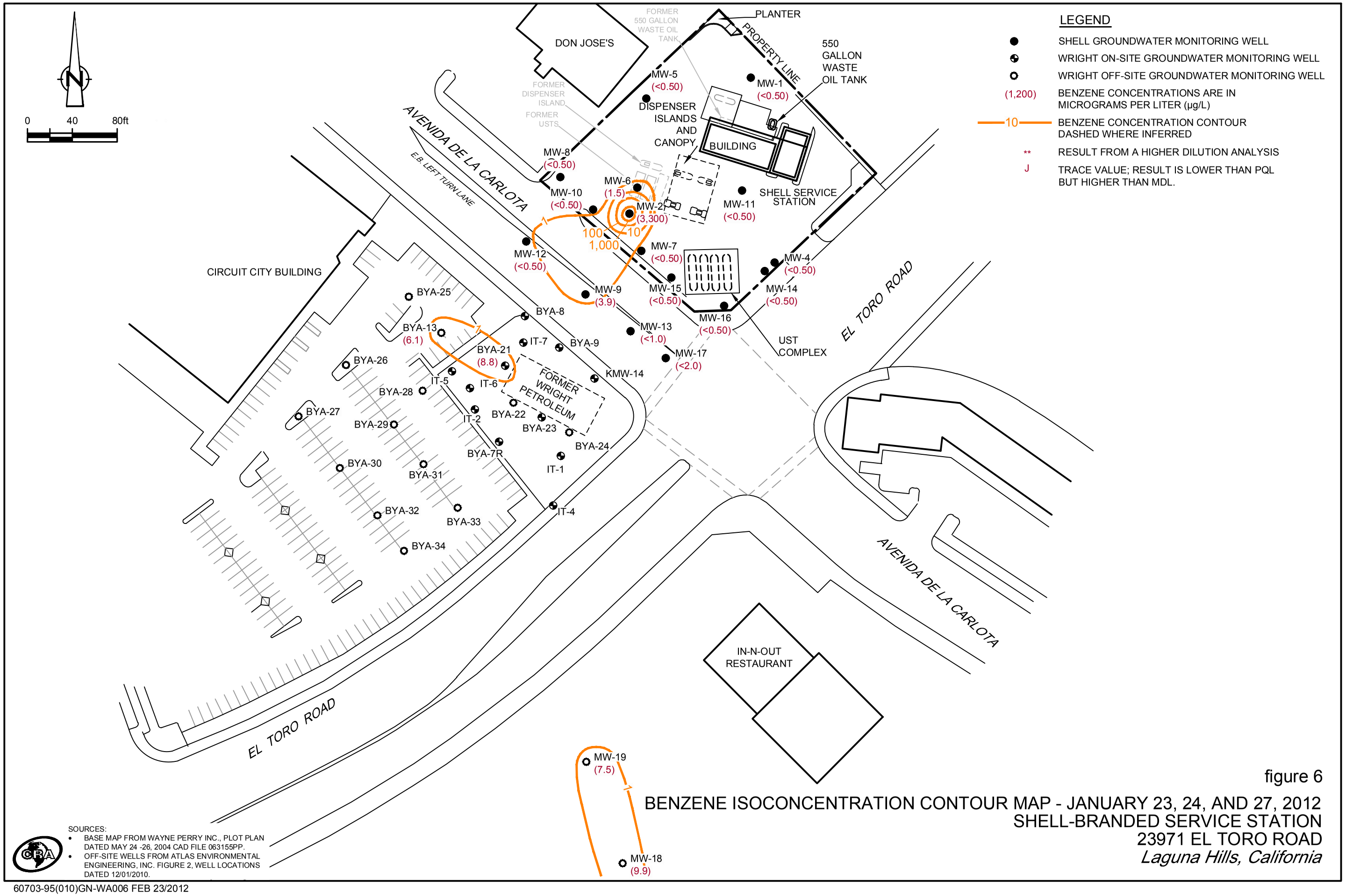


figure 6

BENZENE ISOCONCENTRATION CONTOUR MAP - JANUARY 23, 24, AND 27, 2012
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
Laguna Hills, California

60703-95(010)GN-WA006 FEB 23/2012

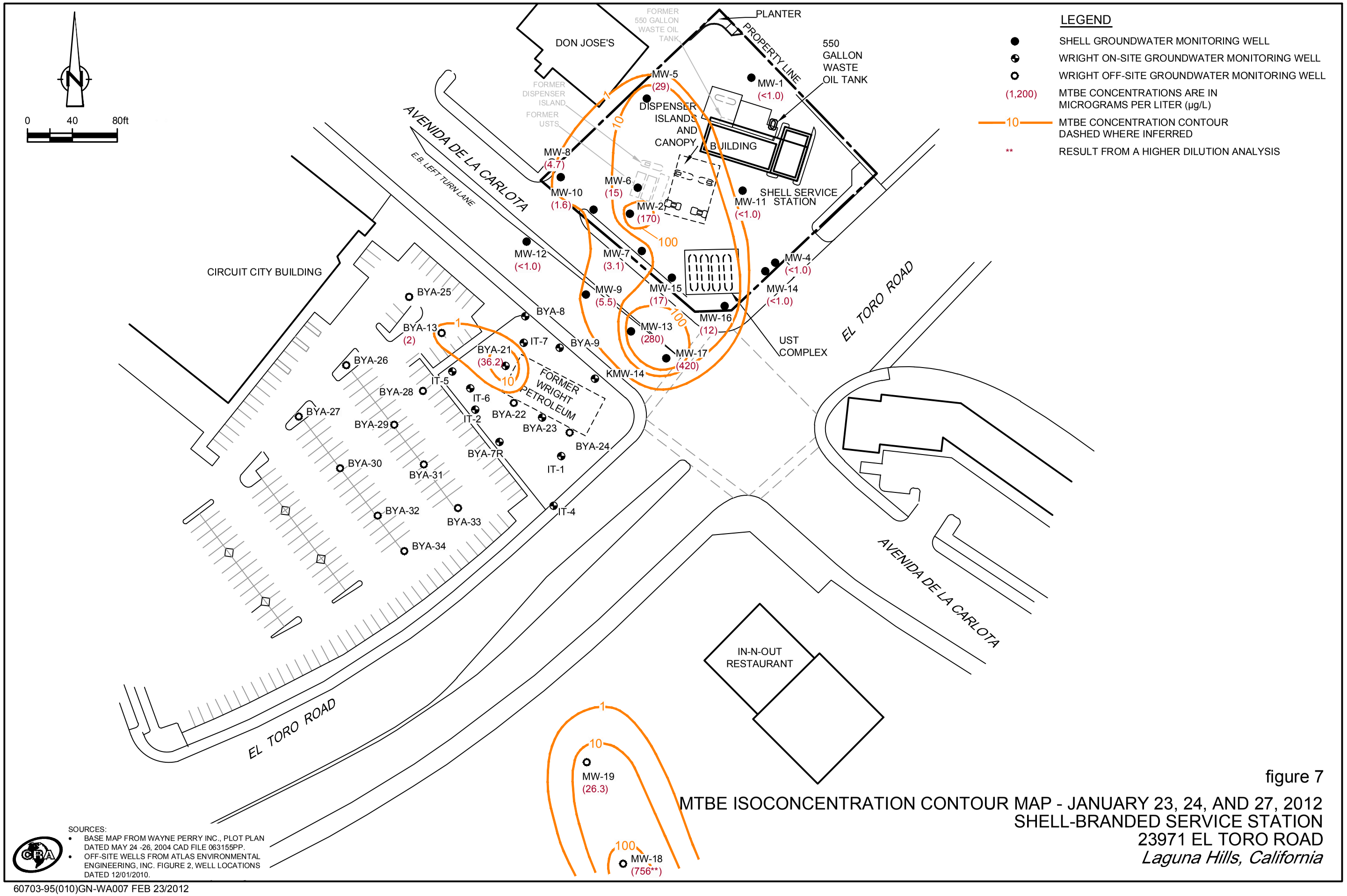


figure 7

MTBE ISOCONCENTRATION CONTOUR MAP - JANUARY 23, 24, AND 27, 2012
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
Laguna Hills, California

SOURCES:
- BASE MAP FROM WAYNE PERRY INC., PLOT PLAN DATED MAY 24 -26, 2004 CAD FILE 063155PP.
- OFF-SITE WELLS FROM ATLAS ENVIRONMENTAL ENGINEERING, INC. FIGURE 2, WELL LOCATIONS DATED 12/01/2010.

60703-95(010)GN-WA007 FEB 23/2012

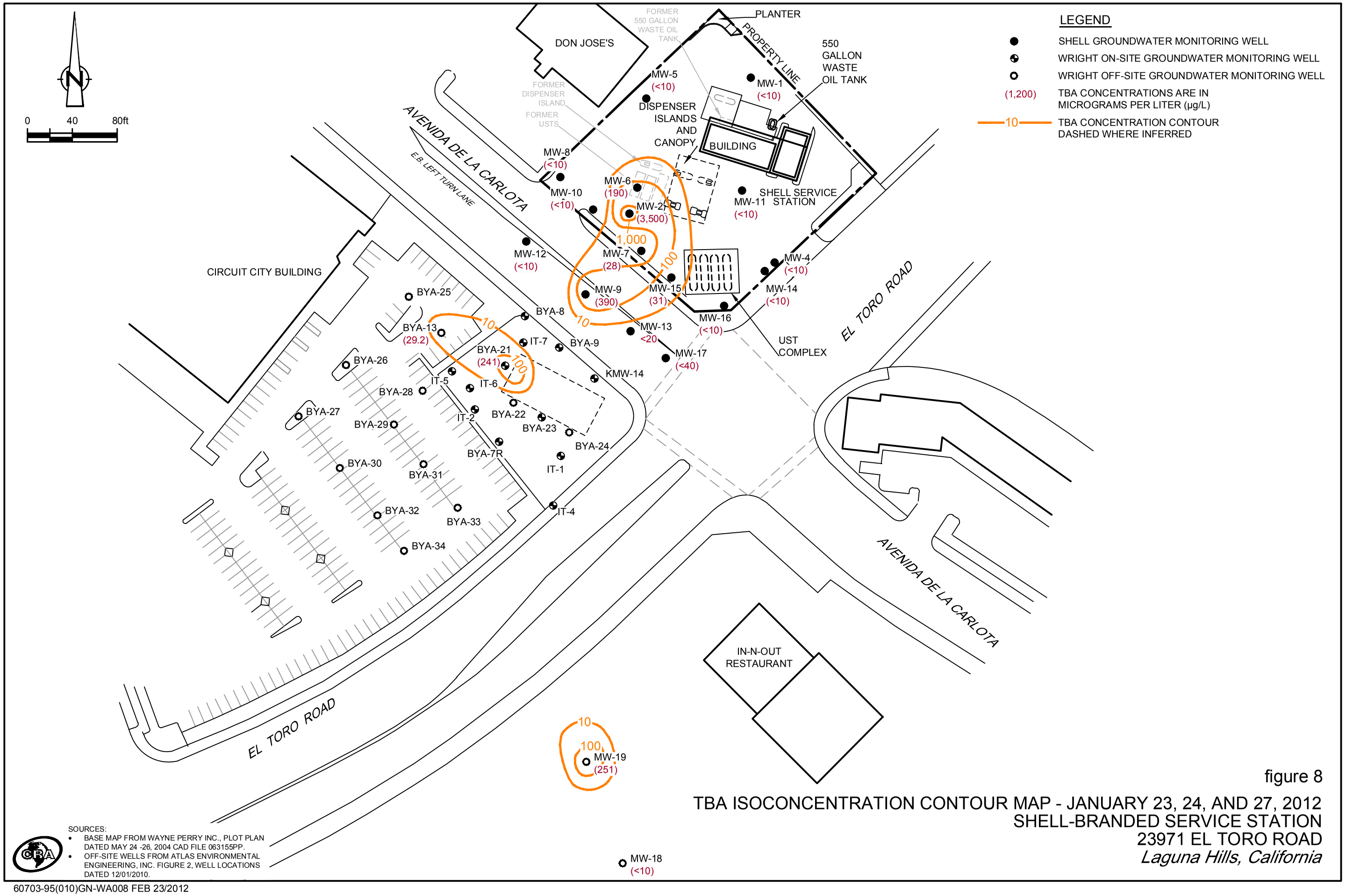
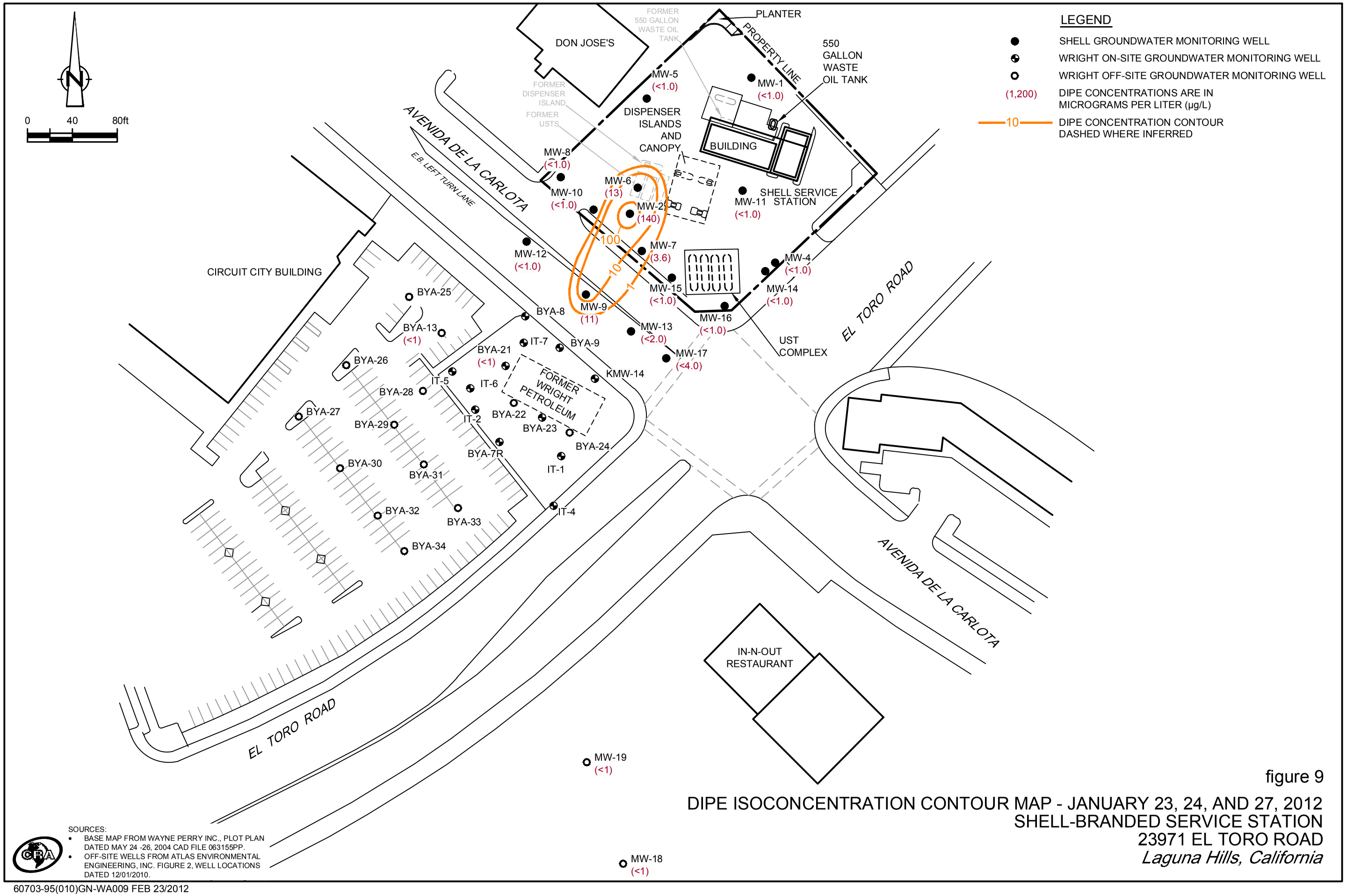


figure 8

TBA ISOCONCENTRATION CONTOUR MAP - JANUARY 23, 24, AND 27, 2012
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
Laguna Hills, California

SOURCES:
- BASE MAP FROM WAYNE PERRY INC., PLOT PLAN DATED MAY 24 -26, 2004 CAD FILE 063155PP.
- OFF-SITE WELLS FROM ATLAS ENVIRONMENTAL ENGINEERING, INC. FIGURE 2, WELL LOCATIONS DATED 12/01/2010.

60703-95(010)GN-WA008 FEB 23/2012



SOURCES:
- BASE MAP FROM WAYNE PERRY INC., PLOT PLAN DATED MAY 24 -26, 2004 CAD FILE 063155PP.
- OFF-SITE WELLS FROM ATLAS ENVIRONMENTAL ENGINEERING, INC. FIGURE 2, WELL LOCATIONS DATED 12/01/2010.

figure 9

DIPE ISOCONCENTRATION CONTOUR MAP - JANUARY 23, 24, AND 27, 2012
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
Laguna Hills, California

60703-95(010)GN-WA009 FEB 23/2012

TABLES

TABLE 1

WELL CONSTRUCTION DETAILS
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date Installed*	*Type*	*Top of Casing (ft MSL)*	*Well Casing Diameter (in)*	*Depth of Well (fbg)*	*Screen Interval (fbg)*	
						Top	*Bottom*
MW-1	10/11/89	GWM	364.52	2	30	unk	unk
MW-2	10/11/89	GWM	364.04	2	30	unk	unk
MW-4	4/26/90	GWM	361.84	4	37.5	7	37.5
MW-5	4/26/90	GWM	365.24	4	35	9	24
MW-6	4/27/90	GWM	364.40	4	30	10	30
MW-7	4/27/90	GWM	363.44	4	27.5	7	27
MW-8	5/9/90	GWM	364.92	4	27	unk	unk
MW-9	7/16/90	GWM	363.01	4	25	5	25
MW-10	9/20/90	GWM	364.06	4	27.5	7	27.5
MW-11	9/30/90	GWM	362.89	4	27.5	7	27
MW-12	11/7/90	GWM	364.64	4	27	7	27
MW-13	11/7/90	GWM	362.07	4	27	7	27
MW-14	11/20/91	GWM	361.87	4	26	6	26
MW-15	12/20/00	GWM	362.69	4	25	5	25
MW-16	12/20/00	GWM	363.08	4	25	5	25
MW-17	3/18/02	GWM	361.59	4	25	5	25

Abbreviations and Notes:

ft MSL = Feet above mean sea level
fbg = Feet below grade
PVC = Polyvinyl chloride
unk = Unknown
in = Inches
All wells re-surveyed on May 17, 2011 by DULIN and BOYNTON, CA.

TABLE 2

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO RD LAGUNA HILLS, CA

Sample ID	*Date Sampled*	*Sample Depth (fbg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*TRPH (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-Benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*MTBE 8020/ 8021B (mg/kg)*	*ETBE (mg/kg)*	*DIPE (mg/kg)*	*TAME (mg/kg)*	*TBA (mg/kg)*	*Ethanol (mg/kg)*	*Other VOCs (mg/kg)*
SBMW-1	10/11/1989	10	--	--	**37**	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
SBMW-2	10/11/1989	10	--	--	**38**	**0.033**	<0.005	<0.005	**0.011**	--	--	--	--	--	--	--	--
	10/11/1989	15	--	--	**93**	**62**	**410**	**98**	**640**	--	--	--	--	--	--	--	--
SBMW-3	10/11/1989	5	--	--	**34**	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
	10/11/1989	10	--	--	**31**	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
	10/11/1989	15	--	--	**27**	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-1	4/26/1990	3	--	<10	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	4/26/1990	6	--	<10	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	4/26/1990	9	--	<10	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
B-2	4/26/1990	3	--	<10	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	4/26/1990	6	--	<10	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	4/26/1990	9	--	<10	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
B-3	4/26/1990	3	--	**64**	--	<0.05	**2**	<0.1	**6**	--	--	--	--	--	--	--	--
	4/26/1990	6	--	**35**	--	<0.05	<0.05	<0.1	**1**	--	--	--	--	--	--	--	--
	4/26/1990	9	--	**12**	--	**0.4**	**1**	<0.1	**0.4**	--	--	--	--	--	--	--	--
B-4	4/26/1990	5	--	<	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	4/26/1990	8	--	<	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	4/26/1990	10	--	<	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	4/26/1990	13	--	<	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
B-5	4/26/1990	5	--	--	<10	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	4/26/1990	8	--	--	<10	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	4/26/1990	10	--	--	<10	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	4/26/1990	13	--	--	<10	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--

TABLE 2

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO RD LAGUNA HILLS, CA

Sample ID	*Date Sampled*	*Sample Depth (fbg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*TRPH (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-Benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*MTBE 8020/ 8021B (mg/kg)*	*ETBE (mg/kg)*	*DIPE (mg/kg)*	*TAME (mg/kg)*	*TBA (mg/kg)*	*Ethanol (mg/kg)*	*Other VOCs (mg/kg)*
	4/26/1990	15	--	--	<10	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
B-6	9/20/1990	5	--	<10	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	9/20/1990	10	--	<10	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	9/20/1990	15	--	**140**	--	**3**	**7**	**1**	**6**	--	--	--	--	--	--	--	--
B-7	9/20/1990	5	--	<10	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	9/20/1990	10	--	<10	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	9/20/1990	15	--	**75**	--	**1**	**1**	**0.6**	**3**	--	--	--	--	--	--	--	--
B-8	9/30/1990	5	--	<10	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	9/30/1990	10	--	<10	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	9/30/1990	15	--	**3970**	--	**14**	**140**	**60**	**290**	--	--	--	--	--	--	--	--
	9/30/1990	20	--	**1870**	--	**5**	**50**	**25**	**120**	--	--	--	--	--	--	--	--
MW-4	4/26/1990	5	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	4/26/1990	10	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	4/26/1990	15	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
MW-5	4/26/1990	5	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	4/26/1990	10	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	4/26/1990	15	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
MW-6	4/27/1990	5	--	<10	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	4/27/1990	10	--	<10	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	4/27/1990	15	--	**57**	--	<0.05	**1**	<0.1	**3**	--	--	--	--	--	--	--	--
MW-7	4/27/1990	5	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	4/27/1990	10	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	4/27/1990	15	--	**68**	--	**1**	**4**	**1**	**4**	--	--	--	--	--	--	--	--
MW-8	4/27/1990	5	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--

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23971 EL TORO RD LAGUNA HILLS, CA

Sample ID	*Date Sampled*	*Sample Depth* (fbg)	*TPHd* (mg/kg)	*TPHg* (mg/kg)	*TRPH* (mg/kg)	*Benzene* (mg/kg)	*Toluene* (mg/kg)	*Ethyl-Benzene* (mg/kg)	*Total Xylenes* (mg/kg)	*MTBE* (mg/kg)	*MTBE 8020/ 8021B* (mg/kg)	*ETBE* (mg/kg)	*DIPE* (mg/kg)	*TAME* (mg/kg)	*TBA* (mg/kg)	*Ethanol* (mg/kg)	*Other VOCs* (mg/kg)
	4/27/1990	10	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	4/27/1990	13	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	4/27/1990	15	--	**25**	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
MW-9	7/16/1990	5	--	<10	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/16/1990	10	--	<10	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/16/1990	15	--	**3125**	--	**23**	**166**	**62**	**300**	--	--	--	--	--	--	--	--
	7/16/1990	18	--	<10	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/16/1990	20	--	<10	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	9/20/1990	5	--	--	**48**	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	9/20/1990	10	--	--	**16**	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	9/20/1990	15	--	--	**14**	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
MW-11	9/30/1990	5	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	9/30/1990	10	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	9/30/1990	15	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
MW-12	11/7/1990	5	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	11/7/1990	10	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	11/7/1990	15	--	**115**	--	<0.05	**5**	**1**	**7**	--	--	--	--	--	--	--	--
	11/7/1990	20	--	<10	**50**	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
MW-13	11/7/1990	5	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	11/7/1990	10	--	<10	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	11/7/1990	15	--	**320**	--	**2**	**15**	**4**	**25**	--	--	--	--	--	--	--	--
	11/7/1990	17	--	<10	**50**	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
B-10	10/23/1991	8	--	<5	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	10/23/1991	13	--	<5	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
B-11	10/23/1991	5	--	<5	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
	10/23/1991	10	--	<5	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--

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Sample ID	*Date Sampled*	*Sample Depth (fbg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*TRPH (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-Benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*MTBE 8020/ 8021B (mg/kg)*	*ETBE (mg/kg)*	*DIPE (mg/kg)*	*TAME (mg/kg)*	*TBA (mg/kg)*	*Ethanol (mg/kg)*	*Other VOCs (mg/kg)*
	10/23/1991	15	--	<5	--	<0.05	<0.05	<0.01	<0.01	--	--	--	--	--	--	--	--
B-12	10/23/1991	5	--	<5	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	10/23/1991	10	--	<5	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	10/23/1991	15	--	<5	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
B-13	10/23/1991	5	--	<5	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	10/23/1991	10	--	<5	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
	10/23/1991	15	--	<5	--	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	--	--	--
MW-14	11/20/1991	No Soil Samples collected															
T1-T-15.5	3/2/1992	16	--	**854**	--	**3.2**	**30**	**6**	**44**	--	--	--	--	--	--	--	--
T1-F-15.5	3/2/1992	16	--	**199**	--	**1.9**	**9**	**2.8**	**20**	--	--	--	--	--	--	--	--
T2-T-15.5	3/2/1992	16	--	**166**	--	**0.9**	**4.7**	**1.0**	**6**	--	--	--	--	--	--	--	--
T2-F-15.5	3/2/1992	16	--	**234**	--	**3.5**	**13**	**3.1**	**22**	--	--	--	--	--	--	--	--
T3-T-15.5	3/2/1992	16	--	**784**	--	**7**	**38**	**8**	**47**	--	--	--	--	--	--	--	--
T3-F-15.5	3/2/1992	16	--	**4542**	--	**56**	**296**	**89**	**480**	--	--	--	--	--	--	--	--
T1-WW-8.5	3/2-3/4/92	9	--	**267**	--	**1.6**	**10**	**4.2**	**24**	--	--	--	--	--	--	--	--
T2-SW-8	3/2-3/4/92	8	--	**302**	--	**3.1**	**16**	**4.1**	**22**	--	--	--	--	--	--	--	--
T2-NW-8	3/2-3/4/92	8	--	**257**	--	**3**	**15**	**4.3**	**23**	--	--	--	--	--	--	--	--
T3-EW-8	3/2-3/4/92	8	--	**19**	--	**0.2**	**0.9**	**0.2**	**1.5**	--	--	--	--	--	--	--	--
T1-WW2-8	3/2-3/4/92	8	--	**5**	--	**0.7**	**0.4**	**0.07**	**0.8**	--	--	--	--	--	--	--	--
T3-NW-8	3/2-3/4/92	8	--	<5	--	**0.009**	**0.01**	**0.01**	**0.04**	--	--	--	--	--	--	--	--
T3-EW2-8	3/2-3/4/92	8	--	**13**	--	**0.007**	**0.16**	**0.02**	**0.2**	--	--	--	--	--	--	--	--
D1-N-2	3/3-3/6/92	3	--	**36**	--	**0.2**	**0.4**	**0.2**	**1**	--	--	--	--	--	--	--	--
D1-S-2	3/3-3/6/92	3	--	<5	--	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
D1-C-2	3/3-3/6/92	3	--	**495**	--	**0.5**	**9**	**3**	**26**	--	--	--	--	--	--	--	--
D1-SP-2	3/3-3/6/92	3	--	<5	--	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
D1-NP-1	3/3-3/6/92	3	--	**2684**	--	**5**	**87**	**30**	**208**	--	--	--	--	--	--	--	--
D2-S-2	3/3-3/6/92	3	--	**6**	--	**0.03**	**0.5**	**0.1**	**0.6**	--	--	--	--	--	--	--	--
D2-N-2	3/3-3/6/92	3	--	<5	--	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--

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Sample ID	*Date Sampled*	*Sample Depth* (fbg)	*TPHd* (mg/kg)	*TPHg* (mg/kg)	*TRPH* (mg/kg)	*Benzene* (mg/kg)	*Toluene* (mg/kg)	*Ethyl-Benzene* (mg/kg)	*Total Xylenes* (mg/kg)	*MTBE* (mg/kg)	*MTBE 8020/ 8021B* (mg/kg)	*ETBE* (mg/kg)	*DIPE* (mg/kg)	*TAME* (mg/kg)	*TBA* (mg/kg)	*Ethanol* (mg/kg)	*Other VOCs* (mg/kg)
D2-P-2	3/3-3/6/92	3	--	**115**	--	**0.05**	**0.3**	**0.4**	**3**	--	--	--	--	--	--	--	--
D3-N-2	3/3-3/6/92	3	--	**352**	--	**0.1**	**2**	**3**	**18**	--	--	--	--	--	--	--	--
D3-S-2	3/3-3/6/92	3	--	**72**	--	**0.2**	**1**	**0.3**	**2**	--	--	--	--	--	--	--	--
D3-NP-1	3/3-3/6/92	3	--	<5	--	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
D3-NP-2	3/3-3/6/92	3	--	**1110**	--	**0.9**	**18**	**9**	**73**	--	--	--	--	--	--	--	--
D4-N-4	3/3-3/6/92	5	--	**389**	--	**0.9**	**10**	**3**	**24**	--	--	--	--	--	--	--	--
D4-NP-3	3/3-3/6/92	4	--	<5	--	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
K-C-1	3/3-3/6/92	2	--	**2207**	--	<0.005	**2**	**3**	**73**	--	--	--	--	--	--	--	--
K-N-2	3/3-3/6/92	3	--	<5	--	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
K-NP-1	3/3-3/6/92	2	--	<5	--	**0.03**	**0.06**	**0.01**	**0.07**	--	--	--	--	--	--	--	--
			--														
CB1	9/10/1998	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.01	<0.025	--	--	--	--	--	--	--
	9/10/1998	10	--	<0.5	--	<0.005	<0.005	<0.005	<0.01	<0.025	--	--	--	--	--	--	--
	9/10/1998	15	--	<0.5	--	<0.005	<0.005	<0.005	<0.01	<0.025	--	--	--	--	--	--	--
CB2	9/10/1998	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.01	<0.025	--	--	--	--	--	--	--
	9/10/1998	10	--	<0.5	--	<0.005	<0.005	<0.005	<0.01	<0.025	--	--	--	--	--	--	--
	9/10/1998	15	--	<0.5	--	**0.024**	<0.005	<0.005	<0.01	**0.053**	--	--	--	--	--	--	--
CB3	9/10/1998	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.01	<0.025	--	--	--	--	--	--	--
	9/10/1998	10	--	<0.5	--	<0.005	<0.005	<0.005	<0.01	**0.028**	--	--	--	--	--	--	--
	9/10/1998	15	--	<0.5	--	<0.005	<0.005	<0.005	<0.01	<0.025	--	--	--	--	--	--	--
CB4	9/10/1998	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.01	<0.025	--	--	--	--	--	--	--
	9/10/1998	10	--	<0.5	--	<0.005	<0.005	<0.005	<0.01	**0.033**	--	--	--	--	--	--	--
	9/10/1998	15	--	**465**	--	**1.8**	**6.17**	**4.32**	**50.5**	**1.09**	--	--	--	--	--	--	--
CB5	9/10/1998	5	--	**178**	--	**0.5**	**0.51**	**0.69**	**0.31**	<0.025	--	--	--	--	--	--	--
	9/10/1998	10	--	**67**	--	<0.005	<0.005	**0.1**	**0.11**	<0.025	--	--	--	--	--	--	--
	9/10/1998	15	--	**45**	--	**0.46**	**1.15**	**0.76**	**4.09**	**1.09**	--	--	--	--	--	--	--
																	Methanol
GP-1	4/19/2000	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.25	<0.0001	<0.0001
	4/19/2000	10	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.21**	<0.01	<0.01	<0.01	<0.25	<0.0001	<0.0001

TABLE 2

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO RD LAGUNA HILLS, CA

Sample ID	*Date Sampled*	*Sample Depth* (fbg)	*TPHd* (mg/kg)	*TPHg* (mg/kg)	*TRPH* (mg/kg)	*Benzene* (mg/kg)	*Toluene* (mg/kg)	*Ethyl-Benzene* (mg/kg)	*Total Xylenes* (mg/kg)	*MTBE* (mg/kg)	*MTBE 8020/ 8021B* (mg/kg)	*ETBE* (mg/kg)	*DIPE* (mg/kg)	*TAME* (mg/kg)	*TBA* (mg/kg)	*Ethanol* (mg/kg)	*Other VOCs* (mg/kg)
	4/19/2000	15	--	<0.5	--	<0.01	<0.01	<0.01	<0.01	--	**0.37**	<0.02	<0.02	<0.02	<0.5	<0.0001	<0.0001
	4/19/2000	20	--	**6**	--	<0.005	<0.005	<0.005	<0.005	--	**0.018**	<0.01	<0.01	<0.01	<0.25	<0.0001	<0.0001
										--							
GP-2	4/19/2000	5	--	<0.5	--	<0.13	<0.13	<0.13	<0.13	--	**6.8**	<0.25	<0.25	<0.25	<6.3	<0.0001	<0.0001
	4/19/2000	10	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.04**	<0.01	<0.01	<0.01	<0.25	<0.0001	<0.0001
	4/19/2000	5	--	**9.8**	--	<0.25	<0.25	<0.25	<0.25	--	**8.7**	<0.5	<0.5	<0.5	<13	<0.0001	<0.0001
	4/19/2000	20	--	**6.5**	--	<0.25	<0.25	<0.25	<0.25	--	**7.4**	<0.5	<0.5	<0.5	<13	<0.0001	<0.0001
																	Acetone
B-14	12/20/2000	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**2.8**	<0.01	<0.01	<0.01	<0.25	--	<0.05
	12/20/2000	10	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.81**	<0.01	<0.01	<0.01	<0.25	--	**0.074**
	12/20/2000	15	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.016**	<0.01	<0.01	<0.01	**6.7**	--	**0.2**
	12/20/2000	20	--	**5.9**	--	<0.005	<0.005	<0.005	<0.005	--	**28**	<0.01	<0.01	<0.01	**2.5**	--	**0.1**
			--													--	
B-15	12/20/2000	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.49**	<0.01	<0.01	<0.01	**0.47**	--	**0.069**
	12/20/2000	10	--	**1.9**	--	**1.9****	<0.005	<0.005	<0.005	--	**3.7**	<0.01	<0.01	<0.01	**0.83**	--	**0.27**
	12/20/2000	15	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.05**	<0.01	<0.01	**0.02**	**4.1**	--	**0.24**
	12/20/2000	20	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.057**	<0.01	<0.01	<0.01	**1**	--	<0.05
B-16	12/20/2000	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.67**	<0.01	<0.01	<0.01	<0.25	--	<0.05
	12/20/2000	10	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.015**	<0.01	<0.01	<0.01	<0.25	--	<0.05
	12/20/2000	15	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.25	--	<0.05
	12/20/2000	20	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.25	--	<0.05
			--														
MW-15	12/20/2000	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.0086**	<0.01	<0.01	<0.01	<0.25	--	<0.05
	12/20/2000	10	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.25	--	<0.05
	12/20/2000	15	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.62**	<0.01	<0.01	<0.01	<0.25	--	<0.05
	12/20/2000	20	--	**2.8**	--	<0.005	<0.005	<0.005	<0.005	--	**11**	<0.01	<0.01	**0.02**	**3.1**	--	<0.05
	12/20/2000	25	--	**2**	--	<0.005	<0.005	<0.005	<0.005	--	**5.6**	<0.01	<0.01	<0.01	**1.6**	--	<0.05
			--														
MW-16	12/20/2000	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.0073**	<0.01	<0.01	<0.01	<0.25	--	<0.05
	12/20/2000	10	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.25	--	<0.05
	12/20/2000	15	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**1.3**	<0.01	<0.01	<0.01	**5.4**	--	<0.05

TABLE 2

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO RD LAGUNA HILLS, CA

Sample ID	*Date Sampled*	*Sample Depth* (*fbg*)	*TPHd* (*mg/kg*)	*TPHg* (*mg/kg*)	*TRPH* (*mg/kg*)	*Benzene* (*mg/kg*)	*Toluene* (*mg/kg*)	*Ethyl-Benzene* (*mg/kg*)	*Total Xylenes* (*mg/kg*)	*MTBE* (*mg/kg*)	*MTBE 8020/ 8021B* (*mg/kg*)	*ETBE* (*mg/kg*)	*DIPE* (*mg/kg*)	*TAME* (*mg/kg*)	*TBA* (*mg/kg*)	*Ethanol* (*mg/kg*)	*Other VOCs* (*mg/kg*)
	12/20/2000	20	--	**0.65**	--	<0.005	**0.0083**	<0.005	<0.005	--	**0.84**	<0.01	<0.01	<0.01	**1**	--	<0.05
	12/20/2000	25	--	**0.54**	--	<0.005	**0.0062**	<0.005	<0.005	--	**0.69**	<0.01	<0.01	<0.01	**1.8**	--	**0.1**
1-S-PIPE	8/2/2001	5	--	**1900****	--	<0.005	<0.005	**0.042**	**18.7**	--	**0.056**	<0.01	<0.01	<0.01	<0.25	--	--
1-Pipe-13	8/7/2001	13	--	**210**	--	<0.13	<0.13	**0.33**	**1.4**	--	<0.13	<0.25	<0.25	<0.25	<6.3	--	--
2-S-PIPE	8/2/2001	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.031**	<0.01	<0.01	<0.01	<0.25	--	--
3-S-PIPE	8/2/2001	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.75**	<0.01	<0.01	<0.01	**0.26**	--	--
3-Pipe-7	8/7/2001	7	--	<0.5	--	<0.005	<0.005	<0.005	**0.0296**	--	**0.016**	<0.01	<0.01	<0.01	<0.25	--	--
3-Pipe-13	8/8/2001	13	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.25	--	--
4-NE-PIPE	8/2/2001	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.25	--	--
4-Pipe-7	8/7/2001	7	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.25	--	--
5-N-PIPE	8/2/2001	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.25	--	--
6-N-PIPE	8/2/2001	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.2**	<0.01	<0.01	<0.01	<0.25	--	--
6-Pipe-13	8/7/2001	13	--	**1000**	--	**0.23**	**1.8**	**10**	**71**	--	<0.13	<0.25	<0.25	<0.25	<6.3	--	--
7-NW-PIPE	8/2/2001	5	--	**7.5**	--	<0.005	<0.005	**0.048**	<0.005	--	**0.02**	<0.01	<0.01	<0.01	<0.25	--	--
7-Pipe-13	8/7/2001	13	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.0095**	<0.01	<0.01	<0.01	<0.25	--	--
8-E-PIPE	8/2/2001	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.16**	<0.01	<0.01	<0.01	<0.25	--	--
8-Pipe-10	8/8/2001	10	--	**3.9**	--	<0.005	<0.005	<0.005	**0.026**	--	**0.13**	<0.01	<0.01	<0.01	<0.25	--	--
9-S-PIPE	8/2/2001	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**1.1**	<0.01	<0.01	<0.01	**0.42**	--	--
9-Pipe-13	8/8/2001	13	--	**0.77**	--	<0.005	<0.005	<0.005	<0.005	--	**0.26**	<0.01	<0.01	<0.01	**29**	--	--
10-S-PIPE	8/2/2001	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.73**	<0.01	<0.01	<0.01	**1.1**	--	--
10-Pipe-9.5	8/8/2001	10	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	**2.5**	--	--
B-17	3/4/2002	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
	3/4/2002	10	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
	3/4/2002	15	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
			--														
B-18	3/4/2002	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
	3/4/2002	10	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
	3/4/2002	15	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
B-19	3/4/2002	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--

TABLE 2

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23971 EL TORO RD LAGUNA HILLS, CA

Sample ID	*Date Sampled*	*Sample Depth* (*fbg*)	*TPHd* (*mg/kg*)	*TPHg* (*mg/kg*)	*TRPH* (*mg/kg*)	*Benzene* (*mg/kg*)	*Toluene* (*mg/kg*)	*Ethyl-Benzene* (*mg/kg*)	*Total Xylenes* (*mg/kg*)	*MTBE* (*mg/kg*)	*MTBE 8020/ 8021B* (*mg/kg*)	*ETBE* (*mg/kg*)	*DIPE* (*mg/kg*)	*TAME* (*mg/kg*)	*TBA* (*mg/kg*)	*Ethanol* (*mg/kg*)	*Other VOCs* (*mg/kg*)
	3/4/2002	10	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
	3/4/2002	15	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
B-20	3/4/2002	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
	3/4/2002	10	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
	3/4/2002	15	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
MW-17	3/18/2002	5	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
	3/18/2002	10	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
	3/18/2002	15	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**6**	<0.01	<0.01	<0.01	**0.98**	--	--
	3/18/2002	20	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**5**	<0.01	<0.01	<0.01	**0.78**	--	--
	3/18/2002	25	--	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**2.5**	<0.01	<0.01	<0.01	**0.37**	--	--
OW1d15	3/8/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW2d15	3/8/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW3d15	3/8/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW4d15	3/8/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW5d15	3/8/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW6d15	3/9/2005	15	--	<0.50	--	**0.017**	<0.005	<0.005	<0.005	--	<0.005	<0.01	**0.01**	<0.01	<0.05	<0.25	--
OW7d15	3/9/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	**0.015**	<0.01	<0.05	<0.25	--
OW8d15	3/9/2005	15	--	**0.54**	--	<0.005	<0.005	<0.005	<0.005	--	**0.0087**	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW9d15	3/9/2005	15	--	**0.97**	--	<0.005	<0.005	<0.005	<0.005	--	**0.18**	<0.01	<0.01	<0.01	**0.28**	<0.25	--
OW10d15	3/9/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	**4**	<0.25	--
OW11d15	3/9/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW12d15	3/14/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW14d15	3/14/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW15d15	3/14/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW16d15	3/14/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW17d15	3/14/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW18d15	3/15/2005	15	--	**5300**	--	<2.5	**7.7**	**25**	**192**	--	<2.5	<5	<5	<5	<25	<130	--
OW19d15	3/11/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW20d15	3/11/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--

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HISTORICAL SOIL ANALYTICAL DATA
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Sample ID	*Date Sampled*	*Sample Depth* (*fbg*)	*TPHd* (*mg/kg*)	*TPHg* (*mg/kg*)	*TRPH* (*mg/kg*)	*Benzene* (*mg/kg*)	*Toluene* (*mg/kg*)	*Ethyl-Benzene* (*mg/kg*)	*Total Xylenes* (*mg/kg*)	*MTBE* (*mg/kg*)	*MTBE 8020/ 8021B* (*mg/kg*)	*ETBE* (*mg/kg*)	*DIPE* (*mg/kg*)	*TAME* (*mg/kg*)	*TBA* (*mg/kg*)	*Ethanol* (*mg/kg*)	*Other VOCs* (*mg/kg*)
OW21d15	3/11/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	**0.0063**	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW22d15	3/11/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW23d15	3/10/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	**2.3**	<0.25	--
OW24d15	3/10/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	**0.2**	<0.25	--
OW25d15	3/10/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	**3.7**	<0.25	--
OW26d15	3/10/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	**0.44**	<0.25	--
OW27d15	3/10/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	**0.025**	<0.01	<0.01	<0.01	**6.4**	<0.25	--
OW28d15	3/10/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	**0.0053**	<0.01	<0.01	<0.01	**3.4**	<0.25	--
OW29d15	3/15/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW30d15	3/15/2005	15	--	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
OW-31	4/16/2008	5	**15**	<5.0	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
	3/11/2005	10	<5.0	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
	3/10/2005	15	<5.0	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
	3/10/2005	20	<5.0	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
	3/10/2005	25	<5.0	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	**0.0052**	<0.01	<0.01	<0.01	<0.05	--	--
OW-35	4/16/2008	5	**6.8**	<5.0	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
	4/23/2008	10	<5.0	<0.50	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	--	--
	4/23/2008	15	**110**	**650**	--	**0.036**	<0.005	**0.19**	**0.82**	--	**0.0085**	<0.01	<0.01	<0.01	<0.05	--	--
	4/23/2008	20	<5.0	**0.71**	--	<0.005	<0.005	**0.0061**	**0.04**	--	<0.005	<0.01	<0.01	<0.01	**0.22**	--	--
	4/23/2008	25	<5.0	**16**	--	**0.023**	**0.025**	**0.071**	**0.355**	--	**0.012**	<0.01	<0.01	<0.01	<0.05	--	--
OW-42	4/15/2008	5	<5.0	<5.0	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
	4/21/2008	10	<5.0	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
	4/21/2008	15	<5.0	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
	4/21/2008	20	<5.0	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.01	<0.05	<0.25	--
	4/21/2008	25	<5.0	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	**0.27**	<0.01	<0.01	<0.01	<0.05	<0.25	--

TABLE 2

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO RD LAGUNA HILLS, CA

Sample ID	*Date Sampled*	*Sample Depth (fbg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*TRPH (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-Benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*MTBE 8020/ 8021B (mg/kg)*	*ETBE (mg/kg)*	*DIPE (mg/kg)*	*TAME (mg/kg)*	*TBA (mg/kg)*	*Ethanol (mg/kg)*	*Other VOCs (mg/kg)*

Abbreviations and Notes:

fbg = Feet below grade
mg/kg = Milligrams per kilogram or parts per million
< = Not detected above reporting limit
TPHg = total petroleum hydrocarbons as gasoline analyzed using DHS LUFT Method
TPHd = Total petroleum hydrocarbons as diesel
TRPH = total recoverable petroleum hydrocarbons analyzed using EPA method 418.1 M.
Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B, or 8260B
Ethanol analyzed using EPA method 8260B
** = The sample chromatogram did not match the chromatographic pattern of the specific standard
--- = not analyzed
VEW-1 through VEW-8, GW-1, and SP-1 through SP-6------missing the reports for these wells

MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8021B
MTBE*= Methyl tertiary butyl ether analyzed using EPA Method 8260B
ETBE = ethyl tertiary butyl ether analyzed using EPA Method 8260B
DIPE = diisopropyl ether analyzed using EPA Method 8260B
TAME = tertiary amyl methyl ether analyzed using EPA Method 8260B

TABLE 3

2011 SOIL BORING ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Sample ID	*Depth*	*Date*	*Total Petroleum Hydrocarbons as Gasoline* (mg/kg)	*Total Petroleum Hydrocarbons as Diesel* (mg/kg)	*Benzene* (mg/kg)	*Toluene* (mg/kg)	*Ethylbenzene* (mg/kg)	*Total Xylenes* (mg/kg)	*Methyl-tertiary-butyl-ether* (mg/kg)	*Tertiary butanol* (mg/kg)	*Di-isopropyl ether* (mg/kg)	*Ethyl tertiary butyl ether* (mg/kg)	*Tertiary amyl methyl ether* (mg/kg)	*Acetone* (mg/kg)	*2-Butanone (MEK)* (mg/kg)	*sec-Butylbenzene* (mg/kg)	*Chloroform* (mg/kg)	*Isopropylbenzene* (mg/kg)	*p-Isopropyltoluene* (mg/kg)	*Naphthalene* (mg/kg)	*n-Propylbenzene* (mg/kg)	*Tetrachloroethene* (mg/kg)	*1,2,4-Trimethylbenzene* (mg/kg)	*1,3,5-Trimethylbenzene* (mg/kg)	*Vinyl acetate* (mg/kg)
SB-1	5	10/12/2011	<0.20	<5.0	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-1	10	10/17/2011	<0.20	<5.0	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-1	15	10/17/2011	<0.20	<5.0	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	**0.025**	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-1	20	10/17/2011	<0.20	<50	<0.00099	<0.00099	<0.00099	<0.0020	**0.062**	**0.34**	<0.0020	<0.0020	<0.0020	<0.0099	<0.0099	<0.0020	<0.00099	<0.00099	<0.00099	<0.0020	<0.00099	<0.00099	<0.00099	<0.00099	<0.0050
SB-1	25	10/17/2011	<0.20	<5.0	<0.0010	<0.0010	<0.0010	<0.0020	**0.0073**	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-1	30	10/17/2011	<0.20	<5.0	<0.0010	<0.0010	<0.0010	<0.0020	**0.021**	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-1	35	10/17/2011	<0.20	<5.0	<0.0010	<0.0010	<0.0010	<0.0020	**0.062**	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-1	40	10/17/2011	<0.20	<5.0	<0.0010	<0.0010	<0.0010	<0.0020	**0.18**	**0.050**	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-2	5	10/17/2011	<0.20	<5.0	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-2	10	10/18/2011	<0.20	<5.0	<0.00098	<0.00098	<0.00098	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0098	<0.0098	<0.0020	<0.00098	<0.00098	<0.00098	<0.0020	<0.00098	<0.00098	<0.00098	<0.00098	<0.0049
SB-2	15	10/18/2011	<0.20	<5.0	<0.00098	<0.00098	<0.00098	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0098	<0.0098	<0.0020	<0.00098	<0.00098	<0.00098	<0.0020	<0.00098	<0.00098	<0.00098	<0.00098	<0.0049
SB-2	20	10/18/2011	<0.20	<5.0	<0.00098	<0.00098	<0.00098	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0098	<0.0098	<0.0020	<0.00098	<0.00098	<0.00098	<0.0020	<0.00098	<0.00098	<0.00098	<0.00098	<0.0049
SB-2	25	10/18/2011	<0.20	<5.0	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	**0.0014**	<0.0010	<0.0010	<0.0050
SB-2	30	10/18/2011	<0.20	<5.0	<0.00098	<0.00098	<0.00098	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0098	<0.0098	<0.0020	<0.00098	<0.00098	<0.00098	<0.0020	<0.00098	**0.0026**	<0.00098	<0.00098	<0.0049
SB-2	35	10/18/2011	<0.20	<5.0	<0.00099	<0.00099	<0.00099	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0099	<0.0099	<0.0020	<0.00099	<0.00099	<0.00099	<0.0020	<0.00099	<0.00099	<0.00099	<0.00099	<0.0049
SB-2	40	10/18/2011	<0.20	**5.3**	<0.00099	<0.00099	<0.00099	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0099	<0.0099	<0.0020	<0.00099	<0.00099	<0.00099	<0.0020	<0.00099	**0.0013**	<0.00099	<0.00099	<0.0050
SB-3	5	10/17/2011	<0.20	**6.5**	<0.00098	<0.00098	<0.00098	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0098	<0.0098	<0.0020	<0.00098	<0.00098	<0.00098	<0.0020	<0.00098	<0.00098	<0.00098	<0.00098	<0.0049
SB-3	10	10/18/2011	<0.20	<5.0	<0.00099	<0.00099	<0.00099	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0099	<0.0099	<0.0020	<0.00099	<0.00099	<0.00099	<0.0020	<0.00099	<0.00099	<0.00099	<0.00099	<0.0050
SB-3	15	10/18/2011	<0.20	<5.0	<0.00098	<0.00098	<0.00098	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0098	<0.0098	<0.0020	<0.00098	<0.00098	<0.00098	<0.0020	<0.00098	<0.00098	<0.00098	<0.00098	<0.0049
SB-3	20	10/18/2011	<0.20	<5.0	<0.00099	<0.00099	<0.00099	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0099	<0.0099	<0.0020	<0.00099	<0.00099	<0.00099	<0.0020	<0.00099	<0.00099	<0.00099	<0.00099	<0.0049
SB-3	25	10/18/2011	<0.20	<5.0	<0.00098	<0.00098	<0.00098	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0098	<0.0098	<0.0020	<0.00098	<0.00098	<0.00098	<0.0020	<0.00098	<0.00098	<0.00098	<0.00098	<0.0049
SB-3	30	10/18/2011	<0.20	<5.0	<0.00099	<0.00099	<0.00099	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0099	<0.0099	<0.0020	<0.00099	<0.00099	<0.00099	<0.0020	<0.00099	<0.00099	<0.00099	<0.00099	<0.0050
SB-3	35	10/18/2011	<0.20	<5.0	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-3	40	10/18/2011	<0.20	<5.0	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-3	45	10/18/2011	<0.20	<5.0	<0.00099	<0.00099	<0.00099	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0099	<0.0099	<0.0020	<0.00099	<0.00099	<0.00099	<0.0020	<0.00099	<0.00099	<0.00099	<0.00099	<0.0050
SB-4	5	10/13/2011	<0.20	**5.4**	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-4	10	10/18/2011	<0.20	<5.0	<0.00099	<0.00099	<0.00099	<0.0020	**0.0043**	<0.020	<0.0020	<0.0020	<0.0020	<0.0099	<0.0099	<0.0020	<0.00099	<0.00099	<0.00099	<0.0020	<0.00099	<0.00099	<0.00099	<0.00099	<0.0050
SB-4	15	10/18/2011	<0.20	**19**	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-4	20	10/18/2011	<0.20	<5.0	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	**0.054**	**0.0022**	<0.0020	<0.0020	**0.042**	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-4	25	10/18/2011	<0.20	**28**	<0.0010	<0.0010	<0.0010	**0.0032**	**0.0028**	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	**0.0016**	<0.0010	<0.0050
SB-4	30	10/18/2011	<0.20	<5.0	<0.00099	<0.00099	<0.00099	<0.0020	**0.0035**	<0.020	<0.0020	<0.0020	<0.0020	<0.0099	<0.0099	<0.0020	<0.00099	<0.00099	<0.00099	<0.0020	<0.00099	<0.00099	<0.00099	<0.00099	<0.0050
SB-4	35	10/18/2011	<0.20	<5.0	**0.028**	**0.0023**	**0.0029**	**0.014**	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	**0.0014**	<0.0010	<0.0010	<0.0020	**0.0014**	<0.0010	**0.0068**	**0.0019**	<0.0050

TABLE 3

2011 SOIL BORING ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Sample ID	*Depth*	*Date*	*Total Petroleum Hydrocarbons as Gasoline* (mg/kg)	*Total Petroleum Hydrocarbons as Diesel* (mg/kg)	*Benzene* (mg/kg)	*Toluene* (mg/kg)	*Ethylbenzene* (mg/kg)	*Total Xylenes* (mg/kg)	*Methyl-tertiary-butyl-ether* (mg/kg)	*Tertiary butanol* (mg/kg)	*Di-isopropyl ether* (mg/kg)	*Ethyl tertiary butyl ether* (mg/kg)	*Tertiary amyl methyl ether* (mg/kg)	*Acetone* (mg/kg)	*2-Butanone (MEK)* (mg/kg)	*sec-Butylbenzene* (mg/kg)	*Chloroform* (mg/kg)	*Isopropylbenzene* (mg/kg)	*p-Isopropyltoluene* (mg/kg)	*Naphthalene* (mg/kg)	*n-Propylbenzene* (mg/kg)	*Tetrachloroethene* (mg/kg)	*1,2,4-Trimethylbenzene* (mg/kg)	*1,3,5-Trimethylbenzene* (mg/kg)	*Vinyl acetate* (mg/kg)
SB-4	40	10/18/2011	**0.34**	<5.0	**0.060**	**0.0038**	**0.0071**	**0.023**	**0.0031**	<0.020	<0.0020	<0.0020	<0.0020	<0.0099	<0.0099	<0.0020	**0.0020**	<0.00099	<0.00099	<0.0020	**0.0030**	<0.00099	**0.0099**	**0.0032**	<0.0049
SB-4	45	10/18/2011	<0.20	**13**	**0.025**	**0.0012**	**0.0035**	**0.0086**	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0099	<0.0099	<0.0020	<0.00099	<0.00099	<0.00099	<0.0020	**0.0019**	<0.00099	**0.0063**	**0.0020**	<0.0049
SB-5	5	10/13/2011	<0.20	<5.0	<0.00099	<0.00099	<0.00099	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0099	<0.0099	<0.0020	<0.00099	<0.00099	<0.00099	<0.0020	<0.00099	<0.00099	<0.00099	<0.00099	<0.0050
SB-5	10	10/14/2011	<0.20	**5.1**	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-5	15	10/14/2011	**1.0**	**440**	<0.0050	**0.0064**	**0.27**	**0.80**	<0.0099	<0.099	<0.0099	<0.0099	<0.0099	**0.17**	<0.050	**0.018**	<0.0050	**0.030**	**0.012**	**0.49**	**0.15**	<0.0050	**1.3**	**0.39**	<0.025
SB-5	20	10/14/2011	**2.2**	<5.0	**0.24**	**0.018**	**0.12**	**0.26**	**0.070**	<0.049	<0.0049	<0.0049	<0.0049	<0.025	<0.025	<0.0049	<0.0025	**0.0034**	<0.0025	**0.048**	**0.012**	<0.0025	**0.12**	**0.028**	<0.012
SB-5	25	10/14/2011	<0.20	<5.0	**0.0024**	<0.0010	**0.0027**	**0.0051**	**0.0024**	<0.020	<0.0020	<0.0020	<0.0020	**0.053**	**0.013**	<0.0020	<00010	<0.0010	<0.0010	<0.0020	**0.0010**	<0.0010	**0.0029**	**0.0010**	<0.0050
SB-5	30	10/14/2011	<0.20	<5.0	**0.0061**	**0.0038**	**0.0062**	**0.014**	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<00010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	**0.0020**	<0.0010	<0.0050
SB-5	35	10/14/2011	<0.20	<5.0	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	**0.0016**	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-6	5	10/14/2011	<0.20	<5.0	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-6	10	10/27/2011	<0.20	<5.0	<0.0010	<0.0010	<0.0010	<0.0020	**0.0030**	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-6	15	10/27/2011	<0.21	<5.0	<0.0011	<0.0011	<0.0011	<0.0021	**0.0023**	<0.021	<0.0021	<0.0021	<0.0021	<0.011	<0.011	<0.0021	<0.0011	<0.0011	<0.0011	<0.0021	<0.0011	<0.0011	<0.0011	<0.0011	<0.0053
SB-6	20	10/27/2011	<0.20	<5.0	<0.00099	<0.00099	<0.00099	<0.0020	**0.26**	**0.092**	<0.0020	<0.0020	<0.0020	<0.0099	<0.0099	<0.0020	<0.00099	<0.00099	<0.00099	<0.0020	<0.00099	<0.00099	<0.00099	<0.00099	**0.12**
SB-6	25	10/27/2011	**0.38**	<5.0	<0.0011	<0.0011	<0.0011	<0.0021	**0.64**	**0.18**	<0.0021	<0.0021	<0.0021	<0.011	<0.011	<0.0021	<0.0011	<0.0011	<0.0011	<0.0021	<0.0011	<0.0011	<0.0011	<0.0011	<0.0053
SB-6	30	10/27/2011	**0.36**	<5.0	<0.00099	<0.00099	<0.00099	<0.0020	**0.42**	**0.063**	<0.0020	<0.0020	<0.0020	<0.0099	<0.0099	<0.0020	<0.00099	<0.00099	<0.00099	<0.0020	<0.00099	<0.00099	<0.00099	<0.00099	<0.0050
SB-6	35	10/27/2011	<0.20	<5.0	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
SB-6	40	10/27/2011	<0.21	<5.0	<0.0011	<0.0011	<0.0011	<0.0021	<0.0021	<0.021	<0.0021	<0.0021	<0.0021	<0.011	<0.011	<0.0021	<0.0011	<0.0011	<0.0011	<0.0021	<0.0011	<0.0011	<0.0011	<0.0011	<0.0054

Notes and Abbreviations

All VOCs w/oxygenates by GS/MS (EPA 8260B) are non-detect unless otherwise indicated
mg/kg = Milligrams per kilogram (parts per million)
<x = Not detected at reporting limit x

TABLE 4

ESTIMATED CHEMICAL MASS REMAINING IN GROUNDWATER
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Impacted GW Thickness (ft)	*Impacted GW Area (sq-ft)*	*Aquifer Volume (cu-ft)*	*Estimated Aquifer Porosity*	*Impacted GW Volume (gallons)*	*Representative Concentration (ug/l or ppb)*	*Total Dissolved Contaminant Mass (lb)*	*Total Dissolved Contaminant Volume (gallons)*
TPHg							
25	12,977	324,435	0.40	970,710	550	4.456	0.732
25	195	4,865	0.40	14,556	5,250	0.638	0.105
				Total Estimated Residual TPHg:		5.09	0.836
Benzene							
25	6,033	150,833	0.40	451,291	5.5	0.021	0.003
25	786	19,638	0.40	58,755	55	0.027	0.004
25	347	8,673	0.40	25,948	550	0.119	0.016
25	115	2,875	0.40	8,602	2,150	0.154	0.021
				Total Estimated Residual Benzene:		0.321	0.044
MTBE							
25	16,669	416,723	0.40	1,246,834	5.5	0.057	0.009
25	18,017	450,413	0.40	1,347,634	55	0.619	0.100
25	514	12,856	0.40	38,466	135	0.043	0.007
25	2,565	64,125	0.40	191,862	260	0.416	0.067
				Total Estimated Residual MTBE:		1.14	0.184
TBA							
25	7,093	177,328	0.40	530,564	55	0.244	0.037
25	4,460	111,488	0.40	333,571	550	1.531	0.235
25	157	3,913	0.40	11,706	2,250	0.220	0.034
				Total Estimated Residual TBA:		1.99	0.306

TABLE 4

ESTIMATED CHEMICAL MASS REMAINING IN GROUNDWATER
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Impacted GW Thickness (ft)	*Impacted GW Area (sq-ft)*	*Aquifer Volume (cu-ft)*	*Estimated Aquifer Porosity*	*Impacted GW Volume (gallons)*	*Representative Concentration (ug/l or ppb)*	*Total Dissolved Contaminant Mass (lb)*	*Total Dissolved Contaminant Volume (gallons)*

Notes:

Impacted GW Area excludes GW Area of greater impact

Aquifer Volume = Impacted aquifer thickness x impacted GW area

Impacted GW Volume = Aquifer volume (cu-ft) x est. porosity (%) x 7.48 (gals/cu-ft)

Total Dissolved Contaminant Mass = GW volume (gals) x 3.785 (l/gal) x Concentration (ug/l) x 2.205 lb/kg / 1,000,000,000 (ug/kg)

Total Dissolved Contaminant Volume = Mass (lb) / Density (lbs/gal)

Approximate Density TPHg = 6.09 lb/gal

Approximate Density Benzene = 7.333 lb/gal

Approximate density TBA = 6.52 lb/gal

Approximate density MTBE = 6.18 lb/gal

Abbreviations:

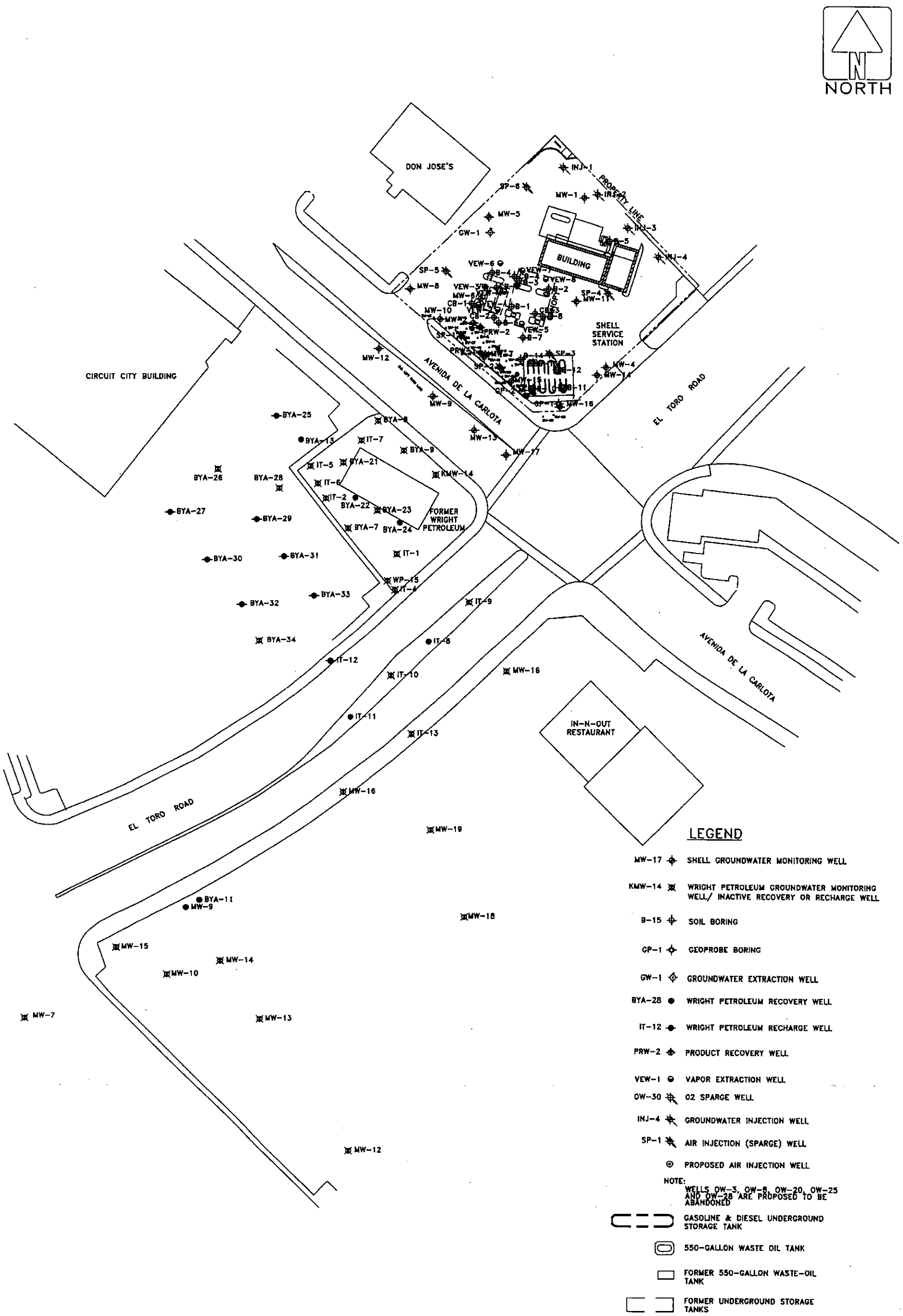
TPHg = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tertiary butyl ether
TBA = Tertiary Butyl Alcohol
GW = Groundwater
ft = feet
sq-ft = square feet
cu-ft = cubic feet
gals = gallons
kg = kilograms
lb = pound
ug/l = micrograms per liter
ppb = parts per billion

Soil Type:	**Porosity (%)**
Gravel	25-40
Sand	25-50
Silt	35-50
Clay	40-70

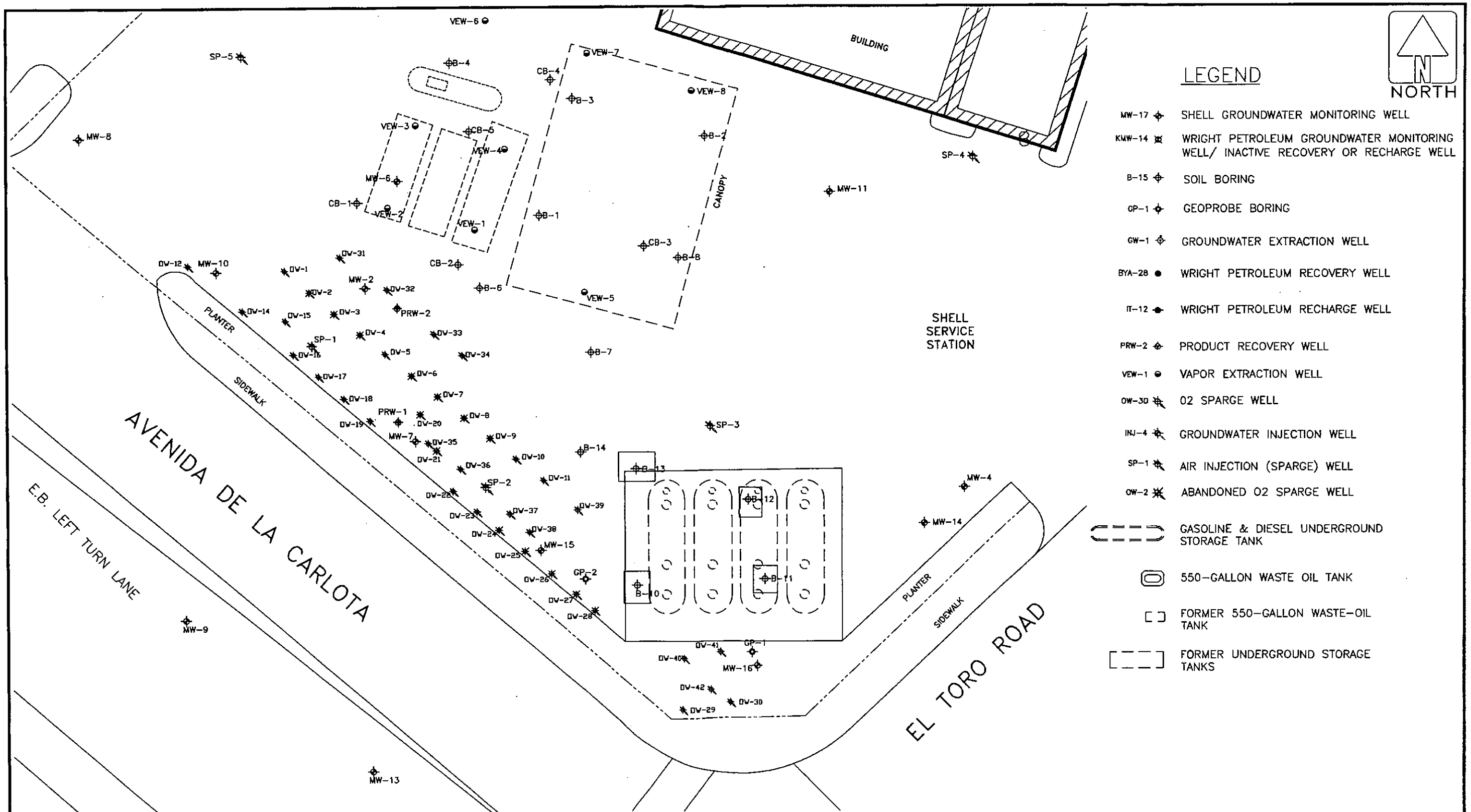
From: Groundwater; Freeze & Cherry, *1979* , Prentice-Hall, Inc., pg. 37. (based on Davis, 1969)

APPENDIX A

HISTORICAL SITE MAPS

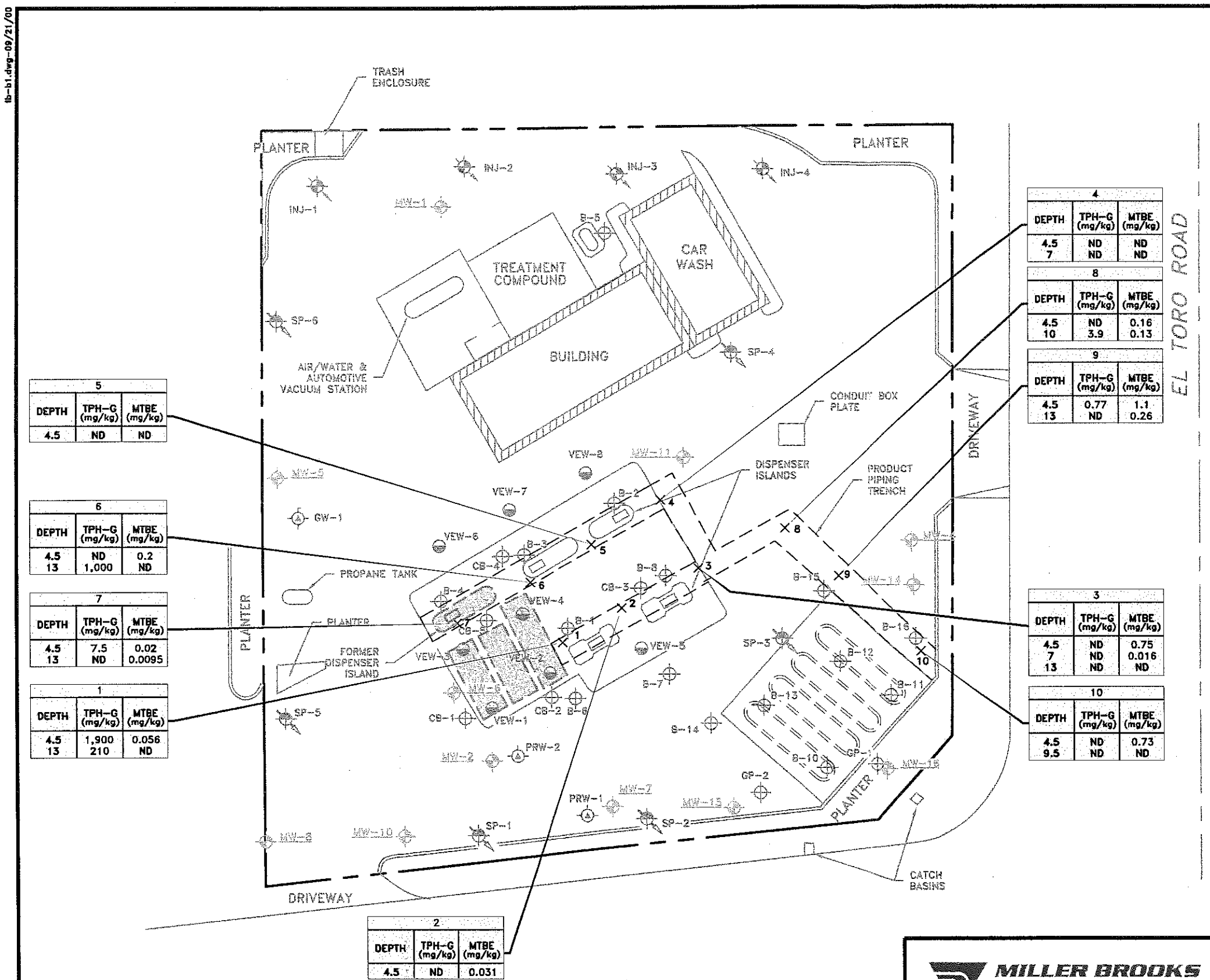


WaynePerry CONSULTING · CONSTRUCTION · ENGINEERING · MAINTENANCE SINCE 1968	DATE DRAWN 07/18/06	PLOT PLAN	FIGURE NO. 2
	DRAWN BY	SHELL SERVICE STATION 23971 EL TORO ROAD., LAGUNA HILLS, CA. FORMER WRIGHT PETROLEUM SITE MAY 24-26, 2004 23991 EL TORO ROAD., LAGUNA HILLS, CA.	
	CAD FILE 06351PP		PROJECT NO. 06.351



WaynePerry SINCE 1968	DATE DRAWN	ENLARGED PLOT PLAN	FIGURE NO. 3
	DRAWN BY	SHELL SERVICE STATION 23971 EL TORO ROAD. LAGUNA HILLS, CA	
	CAD FILE 06351PP20		PROJECT NO. 06.351

fb-b1.dwg-09/21/00



5		
DEPTH	TPH-G (mg/kg)	MTBE (mg/kg)
4.5	ND	ND

6		
DEPTH	TPH-G (mg/kg)	MTBE (mg/kg)
4.5 13	ND 1,000	0.2 ND

7		
DEPTH	TPH-G (mg/kg)	MTBE (mg/kg)
4.5 13	7.5 ND	0.02 0.0095

1		
DEPTH	TPH-G (mg/kg)	MTBE (mg/kg)
4.5 13	1,900 210	0.056 ND

2		
DEPTH	TPH-G (mg/kg)	MTBE (mg/kg)
4.5	ND	0.031

4		
DEPTH	TPH-G (mg/kg)	MTBE (mg/kg)
4.5 7	ND ND	ND ND

8		
DEPTH	TPH-G (mg/kg)	MTBE (mg/kg)
4.5 10	ND 3.9	0.16 0.13

9		
DEPTH	TPH-G (mg/kg)	MTBE (mg/kg)
4.5 13	0.77 ND	1.1 0.26

3		
DEPTH	TPH-G (mg/kg)	MTBE (mg/kg)
4.5 7 13	ND ND ND	0.75 0.016 ND

10		
DEPTH	TPH-G (mg/kg)	MTBE (mg/kg)
4.5 9.5	ND ND	0.73 ND

LEGEND

- 1× SOIL SAMPLE LOCATION
- MW-5 GROUNDWATER MONITORING WELL
- GW-1 GROUNDWATER EXTRACTION WELL
- INJ-4 GROUNDWATER INJECTION WELL
- PRW-2 PRODUCT RECOVERY WELL
- MW-3 ABANDONED GROUNDWATER MONITORING WELL
- VEW-1 VAPOR EXTRACTION WELL
- SP-1 AIR INJECTION (SPARGE) WELL
- B-15 SOIL BORING
- GP-1 GEOPROBE BORING
- PRODUCT PIPING TRENCH
- GASOLINE OR DIESEL UNDERGROUND STORAGE TANK
- FORMER UNDERGROUND STORAGE TANKS
- FORMER DISPENSER ISLAND

NOTE:

1) TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE ANALYZED USING EPA METHOD 8015M, MTBE = METHYL TERTIARY BUTYL ETHER ANALYZED USING EPA METHOD 8260B, mg/kg = MILLIGRAMS PER KILOGRAM, ND = NOT DETECTED AT LIMIT INDICATED ON OFFICIAL LABORATORY REPORT.

N E S W

0 40 FEET
SCALE

MILLER BROOKS Environmental, Inc.

18700 BEACH BLVD., SUITE 205
HUNTINGTON BEACH, CA. 92648
(714) 965-9161

PROJECT NO. 01-155-0059-02

DRAWN BY: BAR
DATE: 01/12/01
REVISED BY: NWO
REVISED: 09/20/01
APPROVED BY: KTB
DATE: 09/21/01

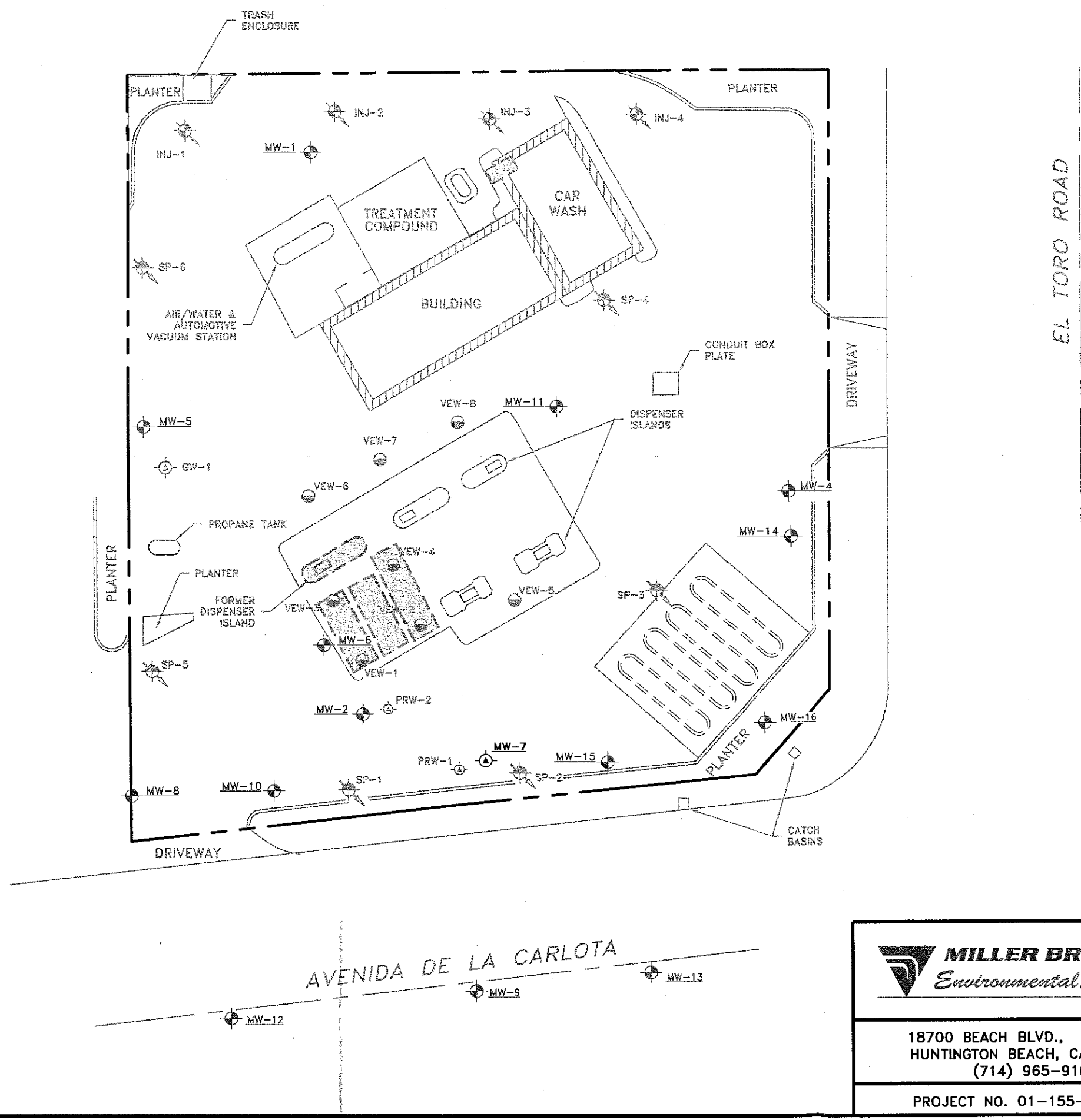
SITE PLAN SHOWING ANALYTICAL RESULTS OF SOIL SAMPLES

SHELL SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CA.

FIGURE 2

FILE: K:\DWGS\EQUILON\LAGUNA HILLS (23971 EL TORO ROAD)\SP 12-00
DATE PLOTTED: 09/20/01

fb-b1.dwg-09/21/00



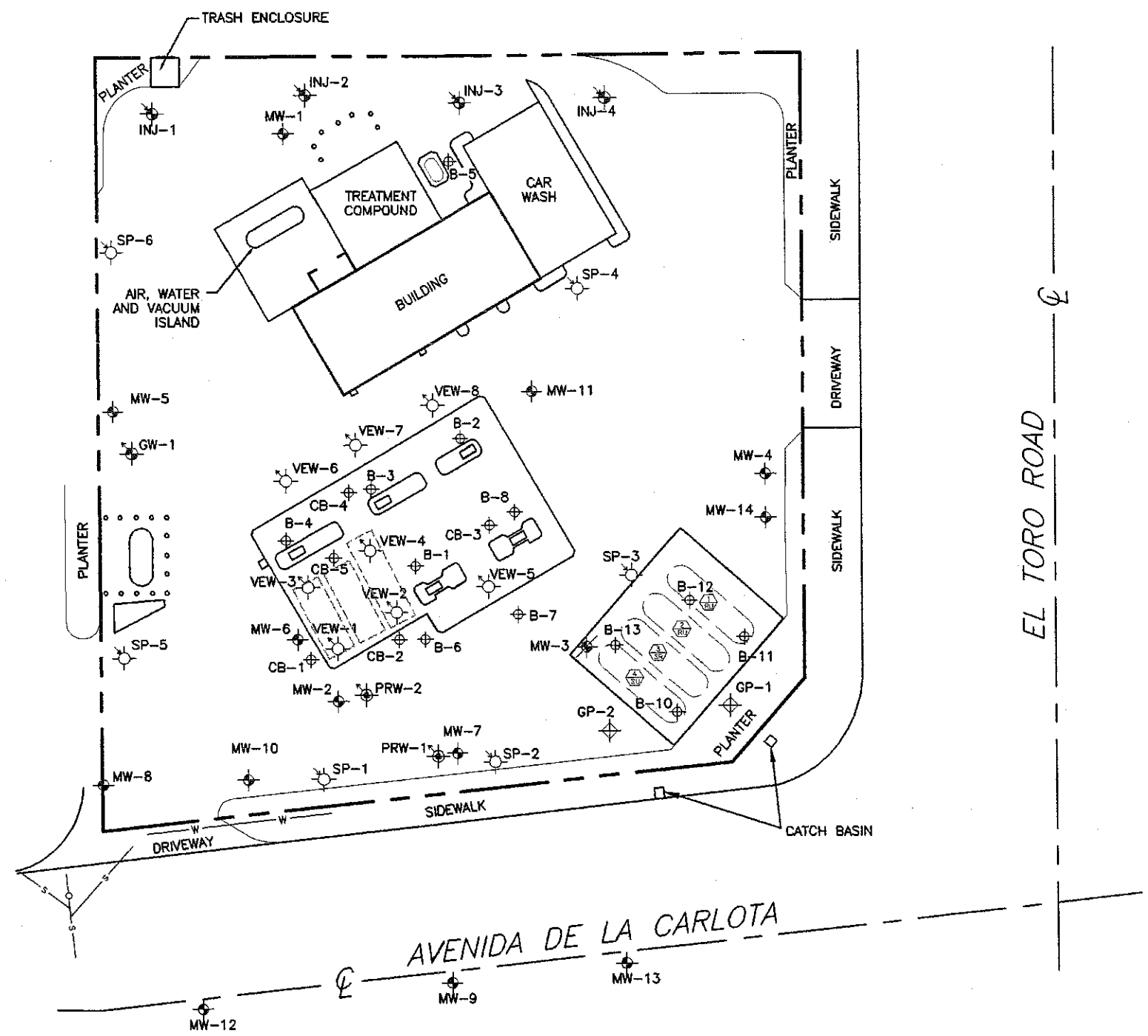
LEGEND

- MW-5 — GROUNDWATER MONITORING WELL
- MW-7 — PROPOSED DUAL-PHASE EXTRACTION WELL
- GW-1 — GROUNDWATER EXTRACTION WELL
- INJ-4 — GROUNDWATER INJECTION WELL
- PRW-2 — PRODUCT RECOVERY WELL
- VEW-1 — VAPOR EXTRACTION WELL
- SP-1 — AIR INJECTION (SPARGE) WELL
- GASOLINE & DIESEL UNDERGROUND STORAGE TANK
- 550-GALLON WASTE OIL TANK
- FORMER 550-GALLON WASTE-OIL TANK
- FORMER UNDERGROUND STORAGE TANKS
- FORMER DISPENSER ISLAND

N E S W

0 40 FEET
SCALE

MILLER BROOKS Environmental, Inc.	DRAWN BY: PEL DATE: 08/20/01 REVISED BY: PEL	SITE PLAN SHOWING PROPOSED DUAL PHASE EXTRACTION WELL	FIGURE 6
18700 BEACH BLVD., SUITE 205 HUNTINGTON BEACH, CA. 92648 (714) 965-9161	REVISED: 02/28/02 APPROVED BY: EAR	SHELL SERVICE STATION 23971 EL TORO ROAD LAGUNA HILLS, CA.	
PROJECT NO. 01-155-0059-02	DATE: 02/28/02	FILE: K:\DWGS\EQUILON\LAGUNA HILLS (23971 EL TORO ROAD)\SP Q4-01 DATE PLOTTED: 02/28/02	



KEY

—S——S—	SEWER LINE
—W——W—	WATER MAIN
INJ-4	GROUNDWATER INJECTION WELL
PRW-2	PRODUCT RECOVERY WELL
MW-5	GROUNDWATER MONITORING WELL
GW-1	GROUNDWATER EXTRACTION WELL
MW-3	ABANDONED GROUNDWATER MONITORING WELL
VEW-1	VAPOR EXTRACTION WELL
SP-1	AIR INJECTION (SPARGE) WELL
B-1	SOIL BORING
GP-1	GEOPORBE BORING
	FORMER UNDERGROUND STORAGE TANK
	EXISTING UNDERGROUND STORAGE TANK
	550-GALLON UNDERGROUND STORAGE TANK
	ABOVE GROUND PROPANE TANK

0 40 FEET
SCALE

Wayne Perry Environmental Specialists	DATE 11/29/99	PLOT PLAN	FIGURE NO. 2
	REVISED	SHELL SERVICE STATION 23971 EL TORO RD. LAGUNA HILLS, CA	
	CAD FILE 078000PP2		PROJECT NO. 93.078

APPENDIX B

BORING LOGS

PROJECT NAME: SHELL SERVICE STATION	SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 8, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 25.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 6 feet below ground surface.
5							SM	SILTY SAND: light gray (10YR 4/1); fine- to medium-grained; wet; loose.
10		OW-1-d10	7/8/11	0.8			SP-SM	POORLY GRADED SAND with SILT: gray (2.5Y 4/1); fine- to coarse-grained; trace gravel (5-15 mm) rounded; wet; loose.
15		OW-1-d15	9/10/14	37.3			SP	POORLY GRADED SAND: lite gray (10YR 5/10); fine-grained; wet; medium loose.
20		OW-1-d20	17/20/26	8.7			ML	SANDY SILT: yellowish brown (10YR 5/8); medium plasticity; medium dry strength; slow dilatancy; medium toughness; fine-grained sand; moist; hard.
25		OW-1-d25	15/18/23	2.4				Boring terminated at 25 feet below ground surface. Groundwater observed at 13 feet below ground surface.

NOTES:

- ☐ = sample interval
- ☒ = no sample recovery
- ■ = laboratory sample
- ▽ = groundwater first encountered
- ▼ = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-1

PROJECT NUMBER 01-155-0059-06 | PAGE 1 OF 1

LOG OF BORINGS REVISED BORELBL06.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION	SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 8, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 33.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 6 feet below ground surface.
5							SM	SILTY SAND: brown (10YR 4/4); fine- to medium-grained; dry; loose.
10		OW-2-d10	7/9/18	0.0		▽		
15		OW-2-d15	13/17/22	0.0				Dark gray (10YR 4/1).
							ML	SANDY SILT: yellowish brown (10YR 5/8); medium plasticity; medium dry strength; slow dilatancy; medium toughness; few fine-grained sand; moist; hard.
20		OW-2-d20	11/15/17	0.0				
25								Dark gray (10YR 4/1).
30			NA	0.0				Brown (10YR 4/4).
35								Boring terminated at 33 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:
- ☐ = sample interval
- ☒ = no sample recovery
- ▬ = laboratory sample
- ▽ = groundwater first encountered
- ▼ = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

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MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-2

PROJECT NUMBER 01-155-0059-06

LOG OF BORINGS REVISED BORELBL06.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION	SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 8, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5							SM	SILTY SAND: brown (10YR 4/4); fine- to medium-grained; dry; loose.
10		OW-3-d10	7/9/12	0.0			CL	LEAN CLAY: dark brown (7.5YR 3/2); low plasticity; high dry strength; no dilatancy; high toughness; fine-grained sand; trace fine gravel; dry; hard.
15		OW-3-d15	9/12/17	0.0		▽	ML	SANDY SILT: gray (10YR 4/1); medium plasticity; medium dry strength; slow dilatancy; medium toughness; few fine-grained sand; moist; hard.
20		OW-3-d20	13/15/20	0.0				
			11/12/16	6.7				
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 15 feet below ground surface.

NOTES:
- ▭ = sample interval
- ⊠ = no sample recovery
- ▬ = laboratory sample
- ▽ = groundwater first encountered
- ▼ = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

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MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-3

PROJECT NUMBER 01-155-0059-06 | PAGE 1 OF 1

PROJECT NAME: SHELL SERVICE STATION		SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA	
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 8, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface.
								Air-knifed to 7 feet below ground surface.
5								
							ML	
10		OW-4-d10	7/11/15	0.0				SANDY SILT: brown (7.5YR 4/4); high plasticity; high dry strength; no dilatancy; high toughness; fine- to medium-grained sand; dry; hard.
15		OW-4-d15	10/10/13	1.4				
								Gray (10YR 4/1); medium plasticity; medium dry strength; slow dilatancy; medium toughness; fine-grained sand; moist; hard.
20		OW-4-d20	10/16/21	0.0				
			7/9/12	0.0				Yellowish brown (2.5YR 6/6).
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:
- = sample interval
- = no sample recovery
- = laboratory sample
- = groundwater first encountered
- = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-4

PROJECT NUMBER 01-155-0059-06

LOG OF BORINGS REVISED BORELBL06.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION	SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 8, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface.
								Air-knifed to 7 feet below ground surface.
5								
							SM	SILTY SAND: brown (10YR 4/4); fine- to medium-grained; dry; loose.
10		OW-5-d10	7/10/16	0.0		▽		
							ML	
15		OW-5-d15	8/9/20	0.0				
								SANDY SILT: brown (7.5YR 4/4); high plasticity; high dry strength; no dilatancy; high toughness; fine- to medium-grained sand; dry; hard.
20		OW-5-d20	9/9/14	0.0				Gray (10YR 4/1).
			5/8/9	2.3				Brown (10YR 5/8).
								Yellowish brown (2.5Y 6/6).
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:

- ▯ = sample interval
- ⊠ = no sample recovery
- ■ = laboratory sample
- ▽ = groundwater first encountered
- ▼ = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-5

PROJECT NUMBER 01-155-0059-06

LOG OF BORINGS REVISED BORELBLOG.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION		SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA	
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 9, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5							ML	SANDY SILT: brown (7.5YR 4/4); high plasticity; high dry strength; no dilatancy; high toughness; fine- to medium-grained sand; dry; hard.
10		OW-6-d10	9/14/22	0.0				
							SM	SILTY SAND: brown (10YR 4/3); fine-grained; dry; medium dense.
15		OW-6-d15	11/19/23	0.0				
							ML	SANDY SILT: gray (10YR 4/1); medium plasticity; medium dry strength; slow dilatancy; medium toughness; fine-grained sand; moist; hard.
20		OW-6-d20	6/13/13	0.5				
			11/12/17	0.0				(10YR 6/6). (10YR 4/1).
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:
- = sample interval
- = no sample recovery
- = laboratory sample
- = groundwater first encountered
- = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-6

PROJECT NUMBER 01-155-0059-06 | PAGE 1 OF 1

PROJECT NAME: SHELL SERVICE STATION	SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 9, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface.
								Air-knifed to 7 feet below ground surface.
5								
							SM	SILTY SAND: yellowish brown (10YR 4/4); fine- to medium-grained; fine gravel; dry; loose.
10		OW-7-d10	7/12/18	0.0				
15		OW-7-d15	9/20/22	0.0				Brown (10YR 4/6); medium dense.
							ML	SANDY SILT: gray (10YR 4/1); medium plasticity; medium dry strength; slow dilatancy; medium toughness; fine-grained sand; moist; hard.
20		OW-7-d20	11/17/26	0.8				
			7/13/18	0.3				
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:
- ☐ = sample interval
- ☒ = no sample recovery
- ▬ = laboratory sample
- ▽ = groundwater first encountered
- ▼ = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-7

PROJECT NUMBER 01-155-0059-06

LOG OF BORINGS REVISED BORELBL06.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION		SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA	
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 9, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 25.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface.
								Air-knifed to 7 feet below ground surface.
5								
							SM	SILTY SAND: yellowish brown (10YR 4/4); fine- to medium-grained; fine gravel; dry; loose.
10		OW-8-d10	10/21/24	0.0				
15		OW-8-d15	9/12/15	0.0				Brown (10YR 4/3); medium dense.
							ML	SANDY SILT: gray (10YR 4/1); medium plasticity; medium dry strength; slow dilatancy; medium toughness; fine-grained sand; moist; hard.
20		OW-8-d20	9/9/12	36.6				
			7/8/15	11.5				Yellowish brown (10YR 5/8).
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:

- = sample interval
- = no sample recovery
- = laboratory sample
- = groundwater first encountered
- = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-8

PROJECT NUMBER 01-155-0059-06

LOG OF BORINGS REVISED BORELBL06.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION		SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA	
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 9, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 25.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface.
								Air-knifed to 7 feet below ground surface.
5								
							SM	SILTY SAND: yellowish brown (10YR 4/4); fine- to medium-grained; trace fine gravel; dry; loose.
10		OW-9-d10	7/12/13	0.0				
15		OW-9-d15	10/13/18	0.0				Brown (10YR 4/3); medium dense.
							ML	SANDY SILT: gray (10YR 4/1); medium plasticity; medium dry strength; slow dilatancy; medium toughness; fine-grained sand; moist; hard; trace fine gravel.
20		OW-9-d20	12/17/27	520				
			10/10/17	26.8				
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:
- ☐ = sample interval
- ☒ = no sample recovery
- ■ = laboratory sample
- ▽ = groundwater first encountered
- ▼ = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

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MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-9

PROJECT NUMBER 01-155-0059-06 | PAGE 1 OF 1

LOG OF BORINGS REVISED BORELBL06.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION		SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA	
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 9, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 25.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5								
							SM	SILTY SAND: yellowish brown (10YR 4/4); fine- to medium-grained; trace fine to medium gravel; dry; loose.
10		OW-10-d10	11/12/18	1.1				
15		OW-10-d15	6/12/17	0.0				Brown (10YR 4/3); medium dense.
							ML	SANDY SILT: gray (10YR 4/1); medium plasticity; medium dry strength; slow dilatancy; medium toughness; fine-grained sand; moist; hard.
20		OW-10-d20	13/20/26	0.0				
			8/12/14	0.9				
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:
- = sample interval
- = no sample recovery
- = laboratory sample
- = groundwater first encountered
- = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-10

PROJECT NUMBER 01-155-0059-06 | PAGE 1 OF 1

LOG OF BORINGS REVISED BORELBL06.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION		SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA	
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 9, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5							SM	SILTY SAND: yellowish brown (10YR 4/4); fine- to medium-grained; fine gravel; dry; loose.
10		OW-11-d10	8/9/12	0.0			SP	POORLY GRADED SAND with GRAVEL: light brown (10YR 4/4); medium- to coarse-grained; subangular gravel (5-20 mm); moist; loose.
15		OW-11-d15	8/11/23	0.0			SW-SM	WELL GRADED SAND with SILT and GRAVEL: dark brown (7.5YR 3/4); fine- to coarse-grained; fine to coarse gravel (15 mm in diameter); moist; dense.
20		OW-11-d20	43/75	0.0			ML	SANDY SILT: yellowish brown (10YR 5/8); medium plasticity; medium dry strength; slow dilatancy; medium toughness; fine- to medium-grained sand; moist; hard.
			11/12/19	0.0				Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.
25								

NOTES:
- = sample interval
- = no sample recovery
- = laboratory sample
- = groundwater first encountered
- = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-11

PROJECT NUMBER 01-155-0059-06 | PAGE 1 OF 1

PROJECT NAME: SHELL SERVICE STATION		SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA	
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5								
							SM	SILTY SAND: brown (7.5YR 4/3); fine- to medium-grained; trace fine to medium gravel; dry; loose.
10		OW-12-d10	3/5/7	0.0				
							SP-SM	POORLY GRADED SAND with SILT: brownish gray (10YR 4/2); fine- to medium-grained; trace fine gravel; dry; loose.
15		OW-12-d15	9/11/14	0.0				
20		OW-12-d20	12/14/16	0.0				Brown (10YR 4/4).
			8/11/13	0.0				
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:

- ☐ = sample interval
- ☒ = no sample recovery
- ▬ = laboratory sample
- ▽ = groundwater first encountered
- ▼ = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-12

PROJECT NUMBER 01-155-0059-06 | PAGE 1 OF 1

PROJECT NAME:	SITE LOCATION:		
SHELL SERVICE STATION	23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 25.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5							SM	SILTY SAND: brown (7.5YR 4/3); fine- to medium-grained; trace fine gravel; dry; loose.
10		OW-14-d10	12/13/17	0.0			SM	SILTY SAND with GRAVEL: brown (7.5YR 4/3); fine- to medium-grained; fine to coarse gravel; wet; dense.
15		OW-14-d15	18/50	0.0			CL	LEAN CLAY with SAND: pale yellow (2.5Y 8/2); medium plasticity; high dry strength; no dilatancy; high toughness; fine-grained sand; trace fine gravel; dry; hard.
20		OW-14-d20	15/17/19	0.0				
			18/21/24	0.0				Yellow (10YR 8/6).
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:
- ☐ = sample interval
- ☒ = no sample recovery
- ■ = laboratory sample
- ▽ = groundwater first encountered
- ▼ = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7721

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-14

PROJECT NUMBER 01-155-0059-06 | PAGE 1 OF 1

LOG OF BORINGS REVISED BORELBL06.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION	SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface.
								Air-knifed to 7 feet below ground surface.
5								
							SM	SILTY SAND: grayish brown (2.5Y 4/1); fine- to medium-grained; trace fine gravel; dry; medium dense.
10		OW-15-d10	13/17/21	0.0				
						▽		
15		OW-15-d15	8/10/13	0.0				Dark grayish brown (2.5Y 4/2).
							SP-SM	POORLY GRADED SAND with SILT: light brown (2.5Y5/42); fine-grained; very wet; loose.
20		OW-15-d20	9/12/14	0.0				
			13/17/29	0.0			CL	LEAN CLAY with SAND: pale yellow (2.5Y 8/2); medium plasticity; high dry strength; no dilatancy; high toughness; fine-grained sand; trace fine gravel; dry; hard.
								Boring terminated at 23 feet below ground surface. Groundwater observed at 13 feet below ground surface.
25								

NOTES:

- ☐ = sample interval
- ☒ = no sample recovery
- ■ = laboratory sample
- ▽ = groundwater first encountered
- ▼ = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-15

PROJECT NUMBER 01-155-0059-06 | PAGE 1 OF 1

LOG OF BORINGS REVISED BORELBL06.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION	SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface.
								Air-knifed to 7 feet below ground surface.
5								
							SM	SILTY SAND: grayish brown (2.5Y 4/2); fine- to medium-grained; trace fine gravel; dry; medium dense.
10		OW-16-d10	6/9/13	0.0		▽		
15		OW-16-d15	8/12/14	0.0				
							CL	LEAN CLAY with SAND: gray (10YR 4/1); medium plasticity; high dry strength; no dilatancy; high toughness; fine-grained sand; trace fine to medium gravel; dry; hard.
20		OW-16-d20	9/13/19	0.0				
			11/14/17	0.0				Pale yellow (2.5Y 8/2).
								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.
25								

NOTES:

□ = sample interval
⊠ = no sample recovery
■ = laboratory sample
▽ = groundwater first encountered
▼ = static groundwater
PID = photoionization detector
NM = not measured
NA = not applicable
NR = not recorded
ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-16

PROJECT NUMBER 01-155-0059-06 | PAGE 1 OF 1

LOG OF BORINGS REVISED BORELBL06.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION		SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA	
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5							SP-SM	POORLY GRADED SAND with SILT: brownish gray (10YR 4/2); fine- to medium-grained; dry; loose.
10		OW-17-d10	8/12/14	0.0			SM	SILTY SAND: grayish brown (2.5Y 4/1); fine- to medium-grained; trace fine gravel; dry; medium dense.
15		OW-17-d15	17/21/25	25.4			CL	LEAN CLAY with SAND: pale yellow (2.5Y 8/2); medium plasticity; high dry strength; no dilatancy; high toughness; fine-grained sand; trace fine gravel; dry; hard.
20		OW-17-d20	17/4/25	0.0				Gray (10YR 4/2).
			7/10/14	0.0				
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:
- ☐ = sample interval
- ☒ = no sample recovery
- ■ = laboratory sample
- ▽ = groundwater first encountered
- ▼ = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-17

PROJECT NUMBER 01-155-0059-06

LOG OF BORINGS REVISED BOREL BL06.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION		SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA	
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2006
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface.
								Air-knifed to 7 feet below ground surface.
5								
							SM	SILTY SAND: brown (7.5YR 4/3); fine- to medium-grained; trace fine gravel; dry; loose.
10		OW-18-d10	NA	0.0		▽		
							CL	LEAN CLAY with SAND: gray (10YR 4/1); medium plasticity; high dry strength; no dilatancy; high toughness; fine-grained sand; dry; hard.
15		OW-18-d15	NA	4.5				
20		OW-18-d20	NA	0.0				Light yellowish brown (10YR 6/4).
			NA	0.0				
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:
- ☐ = sample interval
- ☒ = no sample recovery
- ▬ = laboratory sample
- ▽ = groundwater first encountered
- ▼ = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 1737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-18

PROJECT NUMBER 01-155-0059-06 | PAGE 1 OF 1

LOG OF BORINGS REVISED BOREL BL06.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION	SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5							SM	SILTY SAND: brown (10YR 4/4); fine-grained; dry; loose.
10		OW-19-d10	6/8/12	0.0				
15		OW-19-d15	8/10/11	0.0			CL	LEAN CLAY with SAND: light gray (10YR 6/1); medium plasticity; very high dry strength; no dilatancy; high toughness; fine-grained sand; dry; hard.
20		OW-19-d20	10/11/13	0.0				
			8/15/19	0.0				
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:
- = sample interval
- = no sample recovery
- = laboratory sample
- = groundwater first encountered
- = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

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MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-19

PROJECT NUMBER 01-155-0059-06 | PAGE 1 OF 1

LOG OF BORINGS REVISED BORELBL06.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION		SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA	
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5							SP	POORLY GRADED SAND: brown (2.5Y 4/2); fine- to medium-grained; dry; loose; trace silt.
10		OW-20-d10	7/8/12	0.0			CL	LEAN CLAY with SAND: grayish brown (10YR 4/2); medium plasticity; very high dry strength; no dilatancy; high toughness; fine-grained sand; trace fine gravel; dry; hard; visible oil stains.
15		OW-20-d15	4/6/8	0.0				Dark gray (10YR 4/1).
20		OW-20-d20	4/11/13	0.0				Light gray (10YR 6/1).
			10/11/16	0.0				Boring terminated at 23 feet below ground surface. Groundwater observed at 13 feet below ground surface.
25								

NOTES:
- ☐ = sample interval
- ☒ = no sample recovery
- ■ = laboratory sample
- ▽ = groundwater first encountered
- ▼ = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

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MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-20

PROJECT NUMBER 01-155-0059-06 | PAGE 1 OF 1

LOG OF BORINGS REVISED BORELBL06.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION	SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5							SP-SM	POORLY GRADED SAND with SILT: brown (10YR 4/3); fine- to medium-grained; moist; loose.
10		OW-21-d10	11/12/14	0.0			CL	LEAN CLAY with SAND: grayish brown (10YR 4/2); medium plasticity; very high dry strength; no dilatancy; high toughness; fine-grained sand; fine gravel; dry; hard; visible oil stains.
15		OW-21-d15	7/9/12	8.9			ML	SANDY SILT: gray (2.5YR 4/2); low plasticity; high dry strength; no dilatancy; medium toughness; fine-grained sand; wet; firm; visible oil stains.
20		OW-21-d20	9/11/13	4.3				
			11/13/21	19.6				
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:

- = sample interval
- = no sample recovery
- = laboratory sample
- = groundwater first encountered
- = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

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MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-21

PROJECT NUMBER 01-155-0059-06 | PAGE 1 OF 1

LOG OF BORINGS REVISED BORELBL06.GPJ MBE.GDT 5/5/05

PROJECT NAME:	SITE LOCATION:		
SHELL SERVICE STATION	23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5								
							SP	POORLY GRADED SAND: brown (2.5Y 4/2); fine- to medium-grained; dry; loose; trace silt.
10		OW-22-d10	9/15/16	0.0				
15		OW-22-d15	11/25/27	0.0				Brown (10YR 4/2); fine- to coarse-grained; wet; medium dense.
							GW	WELL GRADED GRAVEL: brown (10YR 4/3); fine- to coarse-grained sand; fine to medium gravel; wet; medium dense.
20		OW-22-d20	12/19/23	0.0				
			8/11/19	0.0			ML	SANDY SILT: grayish brown (2.5Y 4/1); medium plasticity; high dry strength; slow dilatancy; medium toughness; fine- to medium-grained sand; trace fine gravel; dry; hard. Gray (10YR 4/1).
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:

- = sample interval
- = no sample recovery
- = laboratory sample
- = groundwater first encountered
- = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

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MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-22

PROJECT NUMBER 01-155-0059-06

LOG OF BORINGS REVISED BORELBL06.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION	SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5								
							SP	POORLY GRADED SAND: brown (10YR 4/3); fine- to medium-grained; dry; loose.
10		OW-23-d10	7/11/13	0.0				
15		OW-23-d15	10/17/19	0.0				Gray (10YR 4/1); fine- to coarse-grained.
							SW	WELL GRADED SAND: brown (10YR 4/3); fine- to coarse-grained; fine to coarse gravel; wet; loose.
20		OW-23-d20	14/20/23	0.0				
			14/19/20	0.0				
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:

- ▭ = sample interval
- ⊠ = no sample recovery
- ▬ = laboratory sample
- ▽ = groundwater first encountered
- ▼ = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

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MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-23

PROJECT NUMBER 01-155-0059-06 | PAGE 1 OF 1

PROJECT NAME: SHELL SERVICE STATION	SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5								
							SP	POORLY GRADED SAND: brown (10YR 4/3); medium- to coarse-grained; dry; loose.
10		OW-24-d10	7/10/10	0.0				
							SW	WELL GRADED SAND with GRAVEL: gray (10YR 4/1); fine- to coarse-grained; fine to coarse gravel; wet; loose.
15		OW-24-d15	100(6")	0.0				
20		OW-24-d20	13/11/14	0.4			SP	POORLY GRADED SAND: gray (2.5Y 3/1); coarse-grained; wet; loose.
			10/10/30	0.5			ML	SANDY SILT: pale brown (10YR 7/4); medium plasticity; medium dry strength; slow dilatancy; medium toughness; fine- to medium-grained sand; trace fine gravel; moist; hard. Brown (10YR 4/3).
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:
- = sample interval
- = no sample recovery
- = laboratory sample
- = groundwater first encountered
- = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

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MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-24

PROJECT NUMBER 01-155-0059-08 | PAGE 1 OF 1

LOG OF BORINGS REVISED BORELB106.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION	SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5							SM	SILTY SAND: yellowish brown (10YR 4/4); fine- to medium-grained; trace fine gravel; dry; loose.
10		OW-25-d10	4/9/11	0.0			ML	SANDY SILT: gray (10YR 4/1); medium plasticity; medium dry strength; slow dilatancy; medium toughness; fine- to medium-grained sand; trace fine gravel; moist; hard.
15		OW-25-d15	11/13/15	0.0				
20		OW-25-d20	7/10/9	0.0				Brown (10YR 5/3).
			10/10/13	0.0				
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:
- = sample interval
- = no sample recovery
- = laboratory sample
- = groundwater first encountered
- = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-25

PROJECT NUMBER 01-155-0059-06

LOG OF BORINGS REVISED BOREL BL06.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION	SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5							SP	POORLY GRADED SAND: brown (10YR 4/3); medium- to coarse-grained; dry; loose.
10		OW-26-d10	6/6/9	0.0		▽	ML	SANDY SILT: gray (10YR 4/1); medium plasticity; medium dry strength; slow dilatancy; medium toughness; fine-grained sand; moist; hard.
15		OW-26-d15	9/10/11	0.0				
20		OW-26-d20	11/12/15	0.0				Yellowish brown (10YR 5/6).
			11/11/14	0.0				Light yellowish brown (10YR 6/4).
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:
- ▭ = sample interval
- ⊠ = no sample recovery
- ▬ = laboratory sample
- ▽ = groundwater first encountered
- ▼ = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-26

PROJECT NUMBER 01-155-0059-06

LOG OF BORINGS REVISED BORELBL06.GPJ MBE.GDT 5/5/05

PROJECT NAME:	SITE LOCATION:		
SHELL SERVICE STATION	23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface.
								Air-knifed to 7 feet below ground surface.
5								
							SP-SM	
10		OW-27-d10	7/8/10	0.0				
								POORLY GRADED SAND with SILT: yellowish brown (10YR 4/4); fine- to medium-grained; trace fine to medium gravel; dry; loose.
15		OW-27-d15	11/12/13	0.0				
							ML	SANDY SILT: olive brown (2.5Y 5/4); medium plasticity; medium dry strength; slow dilatancy; medium toughness; fine-grained sand; moist; hard.
20		OW-27-d20	10/13/22	0.0				
			10/13/4	0.0				
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:

= sample interval
= no sample recovery
= laboratory sample
= groundwater first encountered
= static groundwater
PID = photoionization detector
NM = not measured
NA = not applicable
NR = not recorded
ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-27

PROJECT NUMBER 01-155-0059-06

LOG OF BORINGS REVISED BORELBL05.GPJ MBE.GDT 5/5/05

PROJECT NAME:	SITE LOCATION:		
SHELL SERVICE STATION	23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 6	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5							SP	POORLY GRADED SAND: brown (10YR 4/3); medium- to coarse-grained; dry; loose.
10		OW-28-d10	8/11/15	0.0			SP-SM	POORLY GRADED SAND with SILT: yellowish brown (10YR 4/4); fine- to medium-grained; trace fine to medium gravel; dry; loose.
15		OW-28-d15	12/14/19	0.0			ML	SANDY SILT: olive brown (2.5Y 5/4); medium plasticity; medium dry strength; slow dilatancy; medium toughness; fine-grained sand; moist; hard.
20		OW-28-d20	7/9/13	0.0				
			8/11/12	0.0				
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:
- = sample interval
- = no sample recovery
- = laboratory sample
- = groundwater first encountered
- = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7157

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-28

PROJECT NUMBER 01-155-0059-06

LOG OF BORINGS REVISED BOREL BL06.GPJ MBE.GDT 5/5/05

PROJECT NAME:	SITE LOCATION:		
SHELL SERVICE STATION	23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA		
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2006
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5							SP-SM	POORLY GRADED SAND with SILT: brown (10YR 4/4); fine- to medium-grained; dry; loose.
10		OW29-d10	NA	0.0				Trace fine gravel.
15		OW29-d15	NA	0.0			CL	LEAN CLAY with SAND: yellowish brown (10YR 5/4); medium plasticity; high dry strength; no dilatancy; high toughness; fine-grained sand; dry; hard.
20		OW29-d20	NA	0.0				Brown (10YR 4/4).
			NA	0.0				Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.
25								

NOTES:
- = sample interval
- = no sample recovery
- = laboratory sample
- = groundwater first encountered
- = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW29

PROJECT NUMBER 01-155-0059-06

LOG OF BORINGS REVISED BORELBL08.GPJ MBE.GDT 5/5/05

PROJECT NAME: SHELL SERVICE STATION		SITE LOCATION: 23971 EL TORO ROAD, LAGUNA HILLS, CALIFORNIA	
DRILLING COMPANY: GREGG DRILLING	DRILL RIG: MOBILE B61	DRILL CREW: CRAIG, DEJUAN, JON	DATE DRILLED: MARCH 14, 2005
DRILLING METHOD: HOLLOW-STEM AUGER	BORING DIAMETER (IN): 8	TOTAL DEPTH OF BORING (FT): 23.0	LOGGED BY: B. MILLER
SAMPLING METHOD: SPLIT-SPOON	HAMMER WEIGHT (LBS): 140	HAMMER DROP (IN): 30	REVIEWED BY: W. GLENN

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								4-inch asphalt surface. Air-knifed to 7 feet below ground surface.
5								
							SP-SM	POORLY GRADED SAND with SILT: brown (10YR 4/4); fine- to medium-grained; trace fine to medium, subangular gravel (20 mm in size); dry; medium dense.
10		OW-30-d10	NA	0.0				Light brown (2.5Y 5/4); no trace gravel.
15		OW-30-d15	NA	0.0				
							CL	LEAN CLAY with SAND: yellowish brown (10YR 5/4); medium plasticity; high dry strength; no dilatancy; high toughness; fine-grained sand; trace fine gravel; dry; hard.
20		OW-30-d20	NA	0.0				Olive brown (2.5Y 5/3).
			NA	0.0				
25								Boring terminated at 23 feet below ground surface. Groundwater observed at 12 feet below ground surface.

NOTES:
- ☐ = sample interval
- ☒ = no sample recovery
- ▬ = laboratory sample
- ▽ = groundwater first encountered
- ▼ = static groundwater
- PID = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million

William S. Glenn, Jr., P.G. 7737

MILLER BROOKS Environmental, Inc.

LOG OF BORING OW-30

PROJECT NUMBER 01-155-0059-06 | PAGE 1 OF 1

LOG OF BORINGS REVISED BORELBL06.GPJ MBE.GDT 5/5/05

WAYNE PERRY, INC.
8281 Commonwealth Avenue
Buena Park, California 90621
(714) 826-0352
www.wpinc.com

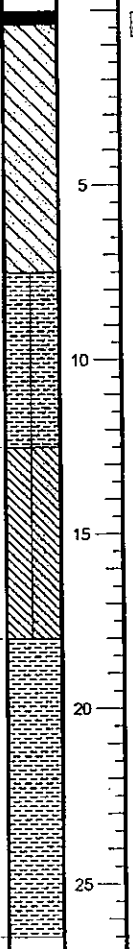
Log of Boring/Well OW-31

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *23971 El Toro Rd. Laguna Hills, Ca*	TOTAL DEPTH: *26.5 feet* / BORING DIAMETER: *8 inches*
PROJECT NO.: *06.351*	DEPTH TO FIRST SATURATION: *13 feet*
DATE BEGAN: *4/16/08* FINISHED: *4/24/08*	TOP OF WELL CASING ELEVATION: *N/A*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *N/A* DATE: *N/A*
DRILLING METHOD: *Hollow-Stem Auger*	LOGGED BY: *J. Korte* CHECKED BY: *D. Henry*

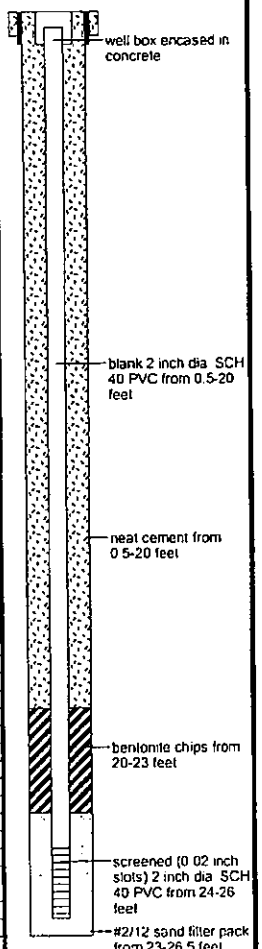
This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class
						ASPHALT, 4 inches.	
						SAND with Clay - medium- to coarse-grained, very dark grayish brown [2.5Y 3/2], medium dense, moist; trace gravel 1/4-inch in diameter.	sc
5	☒	OW-31d5	1246		52.5		
						SILT with Sand - light yellowish brown [2.5Y 6/3], hard, moist; oxidation staining; sand is medium- to coarse-grained.	ml
10	☒	OW-31d10	0750	11/20/36	0.0		
▽						**CLAY with Sand** - greenish gray [5/5GY], hard, saturated; sand is medium- to coarse-grained.	cl
15	☒	OW-31d15	0759	12/22/39	0.0		
						SILT - light olive gray [5Y 6/2], hard, saturated, trace clay; trace medium-grained sand.	ml
20	☒	OW-31d20	0810	10/17/20	0.0		
25	☒	OW-31d25	0819	7/14/22	0.0		
						Bottom at 26.5 feet.	
30							

Graphic Log



Well Diagram



Remarks/Notes: 1) PID Used
2) Airknifed to 7 feet

WAYNE PERRY, INC.
8281 Commonwealth Avenue
Buena Park, California 90621
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www.wpinc.com

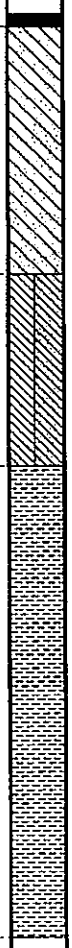
Log of Boring/Well OW-32

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *23971 El Toro Rd. Laguna Hills, Ca*	TOTAL DEPTH: *26.5 feet* / BORING DIAMETER: *8 inches*
PROJECT NO.: *06.351*	DEPTH TO FIRST SATURATION: *13 feet*
DATE BEGAN: *4/16/08* FINISHED: *4/24/08*	TOP OF WELL CASING ELEVATION: *N/A*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *N/A* DATE: *N/A*
DRILLING METHOD: *Hollow-Stem Auger*	LOGGED BY: *J. Korte* CHECKED BY: *D. Henry*

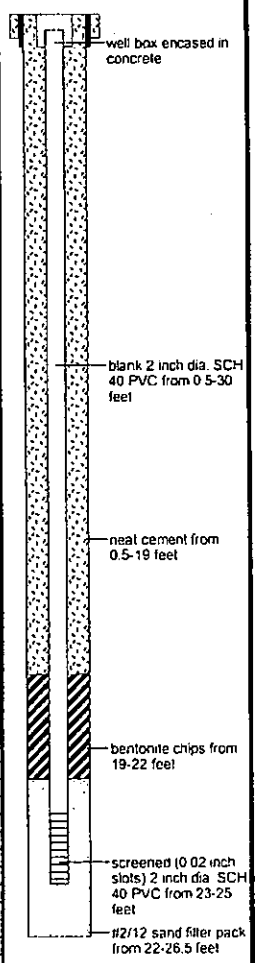
This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class
						ASPHALT, 4 inches.	
						SAND with Clay - medium- to coarse-grained, light olive brown [2.5Y 5/3], medium dense, moist.	sc
5	☒	OW-32d5	1142		0.0		
						CLAY with Sand - olive brown [2.5Y 4/3], hard, moist; sand is medium- to coarse-grained.	cl
10	☒	OW-32d10	1039	6/17/27	0.0		
▽						**SILT** - light brownish gray [2.5Y 6/2], very stiff, saturated; trace clay; trace medium-grained sand;	ml
15	☒	OW-32d15	1047	5/10/14	0.0		
20	☒	OW-32d20	1056	7/12/21	73.2	color change to greenish gray [5/6gy], hard, slightly micaceous;	
25	☒	OW-32d25	1108	9/11/30	4.0	color change to light brownish gray [2.5Y 6/2], oxidation stains at 25 feet.	
						Bottom at 26.5 feet.	
30							

Graphic Log



Well Diagram



Remarks/Notes: 1) PID Used:
2) Airknifed to 7 feet

WAYNE PERRY, INC.
8281 Commonwealth Avenue
Buena Park, California 90621
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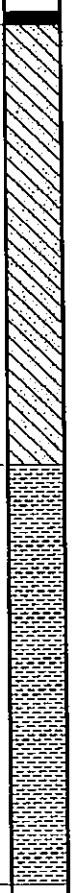
Log of Boring/Well OW-33

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *23971 El Toro Rd. Laguna Hills, Ca*	TOTAL DEPTH: *25 feet* / BORING DIAMETER: *8 inches*
PROJECT NO.: *06.351*	DEPTH TO FIRST SATURATION: *13 feet*
DATE BEGAN: *4/17/08* FINISHED: *4/24/08*	TOP OF WELL CASING ELEVATION: *N/A*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *N/A* DATE: *N/A*
DRILLING METHOD: *Hollow-Stem Auger*	LOGGED BY: *J. Korte/D. Arden* CHECKED BY: *D. Henry*

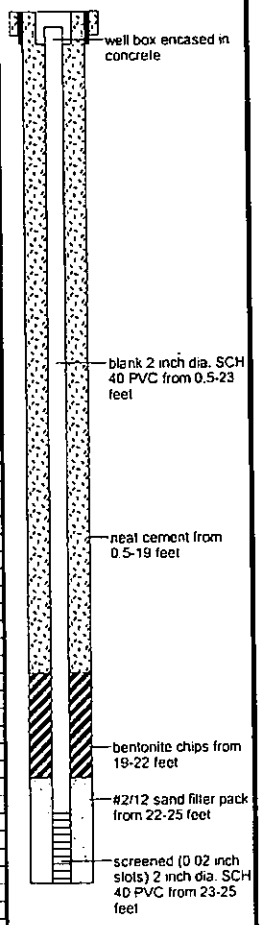
This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class
						ASPHALT, 4 inches.	
						SAND with Clay - fine- to coarse-grained, very dark grayish brown [2.5Y 3/2], medium dense, moist;	sc
5	☒				5.9		
10	☒	OW-33d10	1326	10/28/41	0.0	color change at 10 feet to light olive brown [2.5Y 5/3].	
▽						**SILT** - greenish gray [5/5gy], hard, saturated; trace clay;	ml
15	☒	OW-33d15	1335	14/20/28	0.0		
20	☒	OW-33d20	1345	5/10/21	6.7	oxidation stains at 20 feet;	
25	☒	OW-33d25	1357	20/35/32	5.4	color change at 24 feet to light yellowish brown [2.5Y 6/3].	
						Bottom at 25 feet.	
30							

Graphic Log



Well Diagram



Remarks/Notes: 1) PID Used.
2) Airknifed to 7 feet.

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Log of Boring/Well OW-34

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *23971 El Toro Rd. Laguna Hills, Ca*	TOTAL DEPTH: *25 feet* / BORING DIAMETER: *8 inches*
PROJECT NO.: *06.351*	DEPTH TO FIRST SATURATION: *13 feet*
DATE BEGAN: *4/17/08* FINISHED: *4/25/08*	TOP OF WELL CASING ELEVATION: *N/A*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *N/A* DATE: *N/A*
DRILLING METHOD: *Hollow-Stem Auger*	LOGGED BY: *J. Korte/D. Arden* CHECKED BY: *D. Henry*

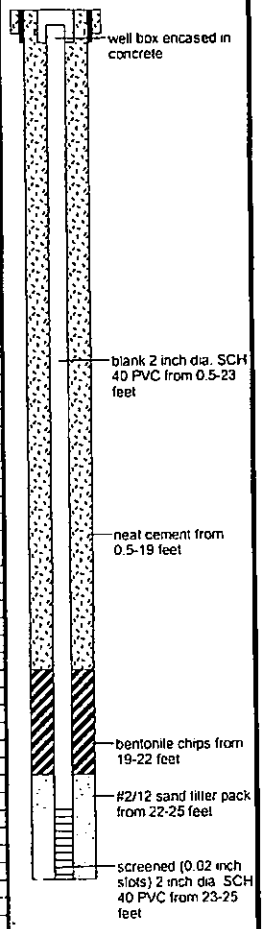
This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class
						ASPHALT, 4 inches.	
						SAND with Clay - fine- to coarse-grained, very dark grayish brown [2.5Y 3/2], medium dense, moist;	sc
5	X				10.1		
10	X	OW-34d10	0752	16/20/40	0.0	color change at 10 feet to light yellowish brown [2.5Y 6/4], very dense.	
▽							
						SILT with Clay - greenish gray [5/5g], hard, saturated; hydrocarbon odor, black striations.	ml
15	X	OW-34d15	0802	8/15/24	264.0		
20	X	OW-34d20	0811	11/11/22	502.0		
	X	OW-34d25	0827	48/58/52	98.4		
25						Bottom at 25 feet.	
30							

Graphic Log

DEPTH (feet): 5, 10, 15, 20, 25, 30

Well Diagram



Remarks/Notes. 1) PID Used:
2) Airknifed to 7 feet.

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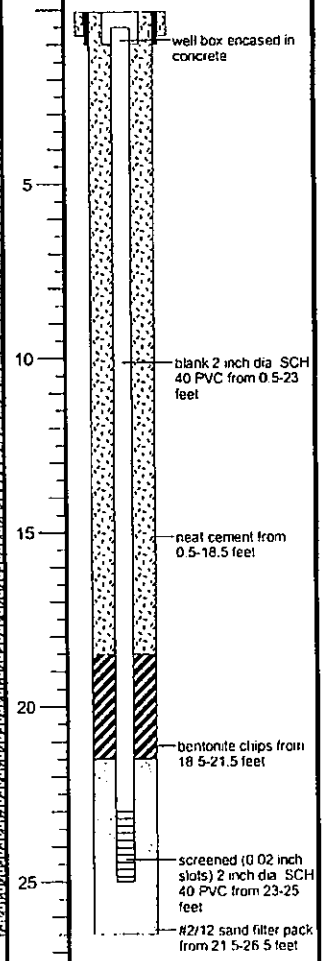
Log of Boring/Well OW-35

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *23971 El Toro Rd. Laguna Hills, Ca*	TOTAL DEPTH: *26.5 feet* / BORING DIAMETER: *8 inches*
PROJECT NO.: *06.351*	DEPTH TO FIRST SATURATION: *13 feet*
DATE BEGAN: *4/16/08* FINISHED: *4/23/08*	TOP OF WELL CASING ELEVATION: *N/A*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *N/A* DATE: *N/A*
DRILLING METHOD: *Hollow-Stem Auger (Limited Access Rig)*	LOGGED BY: *J. Korte* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class
						ASPHALT, 4 inches.	
						Clayey SAND - medium- to coarse-grained, olive brown [2.5Y 4/3], medium dense, moist.	sc
5	☒	OW-35d5	1208		6.1		
10	☒	OW-35d10	1238		0.0		
▽						**SILT with Clay** - greenish gray [5/10gy], stiff, saturated; hydrocarbon odor.	ml
15	☒	OW-35d15	1244		9999+		
20	☒	OW-35d20	1248		0.0		
						Clayey SILT - light yellowish brown [2.5Y 6/3], stiff, saturated	ml
25	☒	OW-35d25	1253				
						Bottom at 26 5 feet.	
30							

Graphic Log



Well Diagram

Remarks/Notes. 1) PID Used
2) Airknifed to 7 feet

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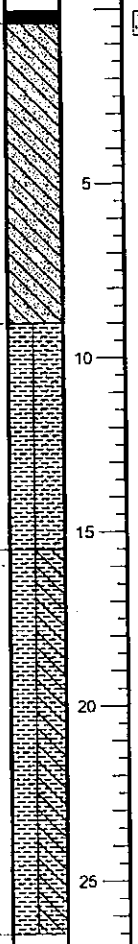
Log of Boring/Well OW-36

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *23971 El Toro Rd. Laguna Hills, Ca*	TOTAL DEPTH: *26.5 feet* / BORING DIAMETER: *8 inches*
PROJECT ND.: *06.351*	DEPTH TO FIRST SATURATION: *13 feet*
DATE BEGAN: *4/16/08* FINISHED: *4/23/06*	TOP OF WELL CASING ELEVATION: *N/A*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *N/A* DATE: *N/A*
DRILLING METHOD: *Hollow-Stem Auger (Limited Access Rig)*	LOGGED BY: *J. Korte* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class
						ASPHALT, 4 inches.	
						Clayey SAND - medium- to coarse-grained, [2.5Y 4/4], medium dense, moist.	sc
5	☒	OW-36d5	1030		0.0		
10	☒	OW-36d10	0946		0.0	**SILT with Sand** - light yellowish brown [2.5Y 6/4], stiff, moist; sand is medium- to coarse-grained; trace clay.	ml
▽							
15	☒	OW-36d15	0955		303.0	**SILT with Clay** - greenish gray [5/10gy], stiff, moist; hydrocarbon odor; trace medium- to coarse-grained sand;	ml
20	☒	OW-36d20	0958		5.9	saturated at 20 feet; black striations;	
25	☒	OW-36d25	1001		0.0	color change at 25 feet to light brownish gray [2 5Y 6/2].	
						Bottom at 26.5 feet	
30							

Graphic Log



Well Diagram

Remarks/Notes. 1) PID Used.
2) Aurknifed to 7 feet

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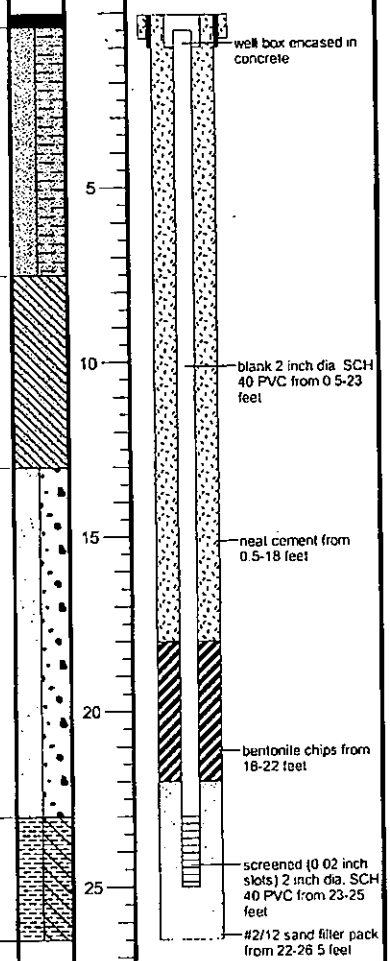
Log of Boring/Well OW-37

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *23971 El Toro Rd. Laguna Hills, Ca*	TOTAL DEPTH: *26.5 feet* / BORING DIAMETER: *8 inches*
PROJECT NO.: *06.351*	DEPTH TO FIRST SATURATION: *12 feet*
DATE BEGAN: *4/16/08* FINISHED: *4/22/08*	TOP OF WELL CASING ELEVATION: *N/A*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *N/A* DATE: *N/A*
DRILLING METHOD: *Hollow-Stem Auger (Limited Access Rig)*	LOGGED BY: *J. Korte* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class
						ASPHALT, 4 inches.	
						SAND with Silt - fine- to coarse-grained, olive yellow [2.5Y 6/6], medium dense, moist; trace gravel 1/4-inch in diameter.	sp
5	☒	OW-37d5	0947		0.0		
						Sandy CLAY - light brownish gray [2.5Y 6/2], very stiff, moist; sand is medium- to coarse-grained.	cl
10	☒	OW-37d10	1316		0.0		
▽							
						SAND with Gravel - medium- to coarse-grained, gravel is1/4-inch in diameter, grayish brown [2.5Y 5/2], medium dense, saturated; trace silt.	sp
15	☒	OW-37d15	1320		0.0		
20	☒	OW-37d20	1327		0.0		
						SILT with Clay - light brownish gray [2.5Y 6/2], stiff, saturated; oxidation stains; trace medium-grained sand	ml
25	☒	OW-37d25	1335		0.0		
						Bottom at 26.5 feet.	
30							



Remarks/Notes: 1) PID Used:
2) Airknifed to 7 feet

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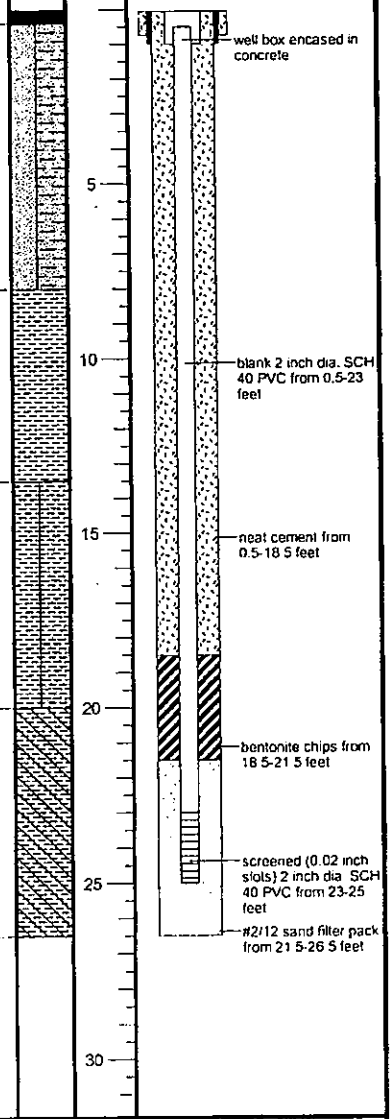
Log of Boring/Well OW-38

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *23971 El Toro Rd. Laguna Hills, Ca*	TOTAL DEPTH: *26.5 feet* / BORING DIAMETER: *8 inches*
PROJECT NO.: *06.351*	DEPTH TO FIRST SATURATION: *13 feet*
DATE BEGAN: *4/16/08* FINISHED: *4/22/08*	TOP OF WELL CASING ELEVATION: *N/A*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *N/A* DATE: *N/A*
DRILLING METHOD: *Hollow-Stem Auger (Limited Access Rig)*	LOGGED BY: *J. Korte* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class
						ASPHALT, 4 inches.	
						SAND with Silt - fine- to coarse-grained, olive yellow [2.5Y 6/6], medium dense, moist; trace gravel 1/4-inch in diameter	sp
5	☒	OW-38d5	0840		51.8		
						SILT - light yellowish brown [2.5Y 6/3], stiff, moist; medium-grained sand; trace clay; iron oxide staining.	ml
10	☒	OW-38d10	1009		0.0		
▽						**SILT with Sand** - greenish gray [5/10y], stiff, saturated; sand is medium- to coarse-grained; trace clay.	ml
15	☒	OW-38d15	1014		0 0		
20	☒	OW-38d20	1019		0.0	**Clayey SILT** - light brownish gray [2 5Y 6/2], stiff, saturated; trace coarse-grained sand.	ml
25	☒	OW-38d25	1025		0.0		
						Bottom at 26.5 feet.	
30							



Remarks/Notes: 1) PID Used:
2) Airknifed to 7 feet

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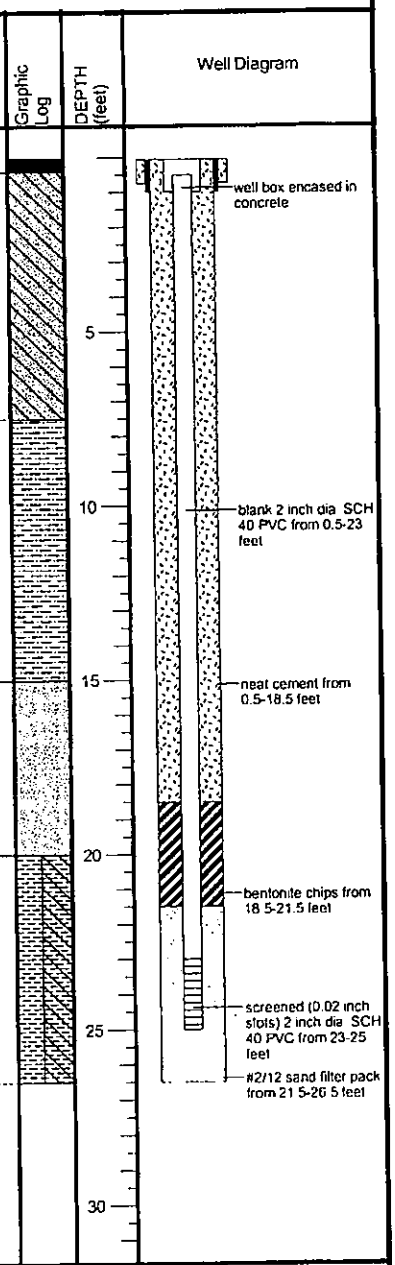
Log of Boring/Well OW-39

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *23971 El Toro Rd. Laguna Hills, Ca*	TOTAL DEPTH: *26.5 feet* / BORING DIAMETER: *8 inches*
PROJECT NO.: *06.351*	DEPTH TO FIRST SATURATION: *12 feet*
DATE BEGAN: *4/15/08* FINISHED: *4/22/08*	TOP OF WELL CASING ELEVATION: *N/A*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *N/A* DATE: *N/A*
DRILLING METHOD: *Hollow-Stem Auger (Limited Access Rig)*	LOGGED BY: *J. Korte* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class
						ASPHALT, 4 inches.	
						Clayey SAND - fine- to coarse-grained, light yellowish brown [2.5Y 6/3], medium dense, moist.	sc
5	☒	OW-39d5	0902		0.0		
						Silty SAND - medium- to coarse-grained, light brown [7.5YR 6/4], stiff, moist; trace clay.	sm
10	☒	OW-39d10	0800		0.0		
▽							
15	☒	OW-39d15	0806		0.0	**SAND** - medium- to coarse-grained, dark gray [10YR 4/1], medium dense, saturated; trace silt; trace gravel 1/4-inch in diameter.	sp
20	☒	OW-39d20	0812		0.0	**SILT with Clay** - light olive gray [5Y 6/2], stiff, saturated; micaceous:	ml
25						no recovery at 25 feet	
						Bottom at 26.5 feet	
30							



Remarks/Notes 1) PID Used
2) Airknifed to 7 feet.

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Buena Park, California 90621
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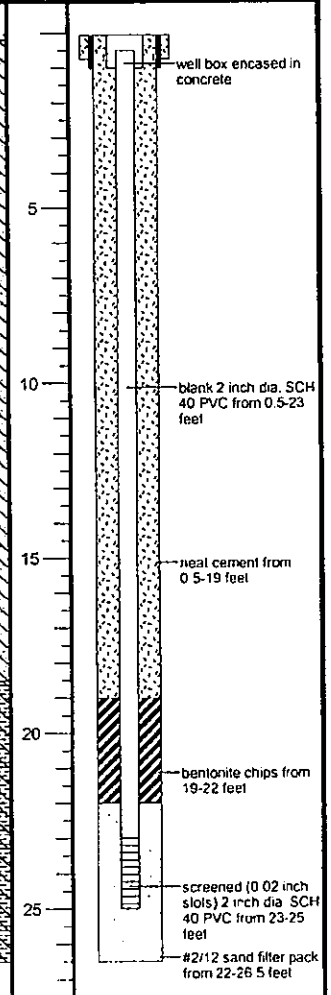
Log of Boring/Well OW-40

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *23971 El Toro Rd. Laguna Hills, Ca*	TOTAL DEPTH: *26.5 feet* / BORING DIAMETER: *8 inches*
PROJECT NO.: *06.351*	DEPTH TO FIRST SATURATION: *13 feet*
DATE BEGAN: *4/15/08* FINISHED: *4/21/08*	TOP OF WELL CASING ELEVATION: *N/A*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *N/A* DATE: *N/A*
DRILLING METHOD: *Hollow-Stem Auger (Limited Access Rig)*	LOGGED BY: *J. Korte* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class
						GRASS, 2 inches.	sc
						SAND with Clay - medium- to coarse-grained, light yellowish brown [2.5Y 6/4], medium dense, moist;	
5	⊠	OW-40d5	0955		0.0		
10	⊠	OW-40d10	1036		0.0	trace gravel 1/4-inch in diameter;	
▽							
15	⊠	OW-40d15	1048		0.0	saturated at 15 feet.	
						Clayey SILT - light olive gray [5Y 6/2], stiff, saturated; trace medium- to coarse-grained sand; micaceous.	ml
20	⊠	OW-40d20	1057		0.0		
25	⊠	OW-40d25	1101		0.0		
						Bottom at 26.5 feet.	
30							

Graphic Log / DEPTH (feet) / Well Diagram



Remarks/Notes: 1) PID Used:
2) Airknifed to 7 feet

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Log of Boring/Well OW-41

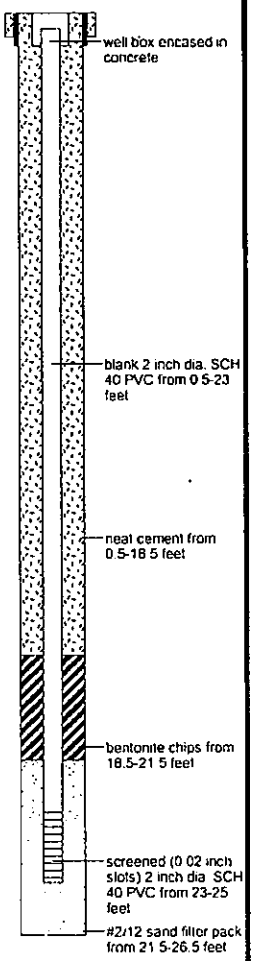
PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *23971 El Toro Rd. Laguna Hills, Ca*	TOTAL DEPTH: *26.5 feet* / BORING DIAMETER: *8 inches*
PROJECT NO.: *06.351*	DEPTH TO FIRST SATURATION: *13 feet*
DATE BEGAN: *4/15/08* FINISHED: *4/21/08*	TOP OF WELL CASING ELEVATION: *N/A*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *N/A* DATE: *N/A*
DRILLING METHOD: *Hollow-Stem Auger (Limited Access Rig)*	LOGGED BY: *J. Korte* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class
						GRASS, 2 inches.	sp
						SAND with Silt - medium- to coarse-grained, light yellowish brown [2.5Y 6/4], medium dense, moist.	
5	☒	OW-41d5	1433		0.0		
						SILT with Clay - light olive brown [2.5Y 5/4], stiff, moist; trace medium- to coarse-grained sand.	ml
10	☒	OW-41d10	1410		0.0		
▽							
						Clayey SAND - medium- to coarse-grained, light olive brown [2.5Y 5/3], stiff, saturated; trace gravel 1/4 to 2-inches in diameter.	sc
15	☒	OW-41d15	1416		0.0		
20	☒	OW-41d20	1421		0.0		
						Clayey SILT - olive [5Y 5/3], stiff, saturated; oxidized layers; trace medium-grained sand.	ml
25	☒	OW-41d25	1428		0.0		
						Bottom at 26.5 feet.	
30							

Graphic Log

Well Diagram



Remarks/Notes: 1) PID Used
2) Airknifed to 7 feet.

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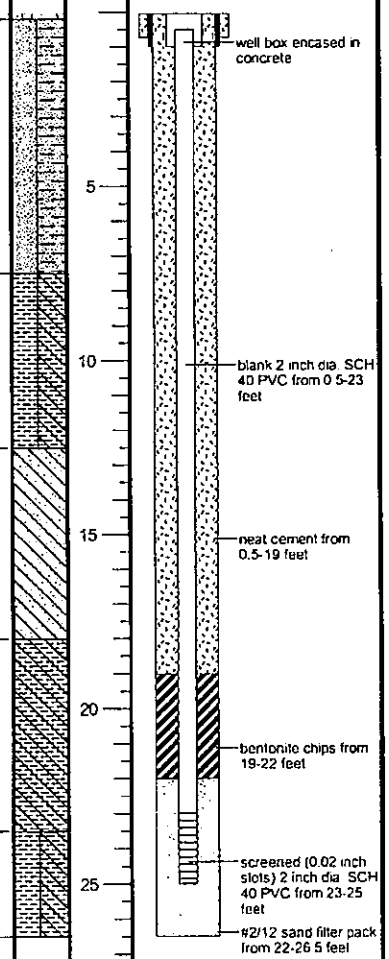
Log of Boring/Well OW-42

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *23971 El Toro Rd. Laguna Hills, Ca*	TOTAL DEPTH: *26.5 feet* / BORING DIAMETER: *8 inches*
PROJECT NO.: *06.351*	DEPTH TO FIRST SATURATION: *13 feet*
DATE BEGAN: *4/15/08* FINISHED: *4/21/08*	TOP OF WELL CASING ELEVATION: *N/A*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *N/A* DATE: *N/A*
DRILLING METHOD: *Hollow-Stem Auger (Limited Access Rig)*	LOGGED BY: *J. Korte* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class
						GRASS, 2 inches.	sp
						SAND with Silt - medium- to coarse-grained, light yellowish brown [2.5Y 6/4], medium dense, moist; trace clay; trace gravel 1/4-inch in diameter.	
5	X	OW-42d5	1105		0.0		
						SILT with Clay - light yellowish brown [2.5Y 6/4], stiff, moist.	ml
10	X	OW-42d10	0808		0.0		
▽						**SAND with Clay** - medium- to coarse-grained, light yellowish brown [2.5Y 6/4], medium dense, saturated.	sc
15	X	OW-42d15	0816		0.0		
						Clayey SILT - light yellowish brown [2.5Y 6/4], stiff, saturated; trace medium-grained sand.	ml
20	X	OW-42d20	0826		0.0		
						SILT with Clay - light yellowish brown [2.5Y 6/4], stiff, saturated; trace medium- to coarse-grained sand.	ml
25	X	OW-42d25	0833		0.0		
						Bottom at 26.5 feet.	
30							



Remarks/Notes: 1) PID Used:
2) Airknifed to 7 feet.

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Log of Boring GP-1

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *23971 El Toro Road, Laguna Hills, California*	TOTAL DEPTH: *20 feet* / BORING DIAMETER: *2 inches*
PROJECT NO.: *93.078*	DEPTH TO FIRST SATURATION: *14 feet*
DATE BEGAN: *4/19/00* FINISHED: *4/19/00*	BOREHOLE SEAL: *Bentonite Chips (hydrated)*
DRILLING COMPANY: *BC² Environmental, Inc.*	SURFACE COMPLETION: *None*
DRILLING METHOD: *Direct Push (Geoprobe)*	LOGGED BY: *M. Wielenga* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blows Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class	Graphic Log	DEPTH (feet)	Remarks
						Top soil and rootlets, 6 inches thick.				
						SAND, fine- to medium-grained, light red brown to very light brown, medium dense, moist.	sp			
5		GP1-5	08:00	--	0	**Silty SAND,** fine-grained, yellow brown, medium dense, moist; trace clay.	sm		5	
10		GP1-10	08:10	--	4				10	
						SAND, fine-grained, pale green, medium dense, very moist.	sp			
15		GP1-15	08:20	--	24	**Silty SAND,** fine- to coarse-grained, green, dense, moist to saturated; trace clay and gravel.	sm		15	
20		GP1-20	08:30	--	22	**SILT,** pale green, stiff, saturated.	ml		20	
						Bottom of boring at 20 feet.				
25									25	

Notes:
1) Contacts dashed where approximate.
2) PID was calibrated to 100 ppm isobutylene.
3) Boring was hand excavated from surface grade to a depth of 5 feet.

WELL LOG 93078.GPJ WPI.GDT 5/30/00

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Log of Boring GP-2

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *23971 El Toro Road, Laguna Hills, California*	TOTAL DEPTH: *20 feet* / BORING DIAMETER: *2 inches*
PROJECT NO.: *93.078*	DEPTH TO FIRST SATURATION: *14 feet*
DATE BEGAN: *4/19/00* FINISHED: *4/19/00*	BOREHOLE SEAL: *Bentonite Chips (hydrated)*
DRILLING COMPANY: *BC² Environmental, Inc.*	SURFACE COMPLETION: *Asphalt*
DRILLING METHOD: *Direct Push (Geoprobe)*	LOGGED BY: *M. Wielenga* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blows Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class	Graphic Log	DEPTH (feet)	Remarks
						Asphalt and aggregate base material, 7 inches thick.				
						SAND, fine-grained, light red brown to light brown, dense, moist.	sp			
5		GP2-5	10:05	–	1				5	
						Silty SAND, fine-grained, light brown, medium dense, moist; trace clay.	sm			
10		GP2-10	10:10	–	3				10	
						SAND, fine-grained, pale green, dense, very moist.	sp			
						SILT, pale green, stiff, very moist to saturated; trace clay and fine-grained sand.	ml			
15		GP2-15	10:20	–	0				15	
		GP2-20	10:30	–	0					
20						Bottom of boring at 20 feet.			20	
25									25	

Notes:
1) Contacts dashed where approximate.
2) PID was calibrated to 100 ppm isobutylene.
3) Boring was hand excavated from surface grade to a depth of 5 feet.

WELL_LOG 93078.GPJ WPI.GDT 5/30/00

Boring/Well Log Legend

KEY TO SYMBOLS/ABBREVIATIONS

- First encountered groundwater
- Static groundwater
- Soils logged by hand-auger or air-knife cuttings
- Soils logged by drill cuttings or disturbed sample
- Undisturbed soil sample interval
- Soil sample retained for submittal to analytical laboratory
- No recovery within interval
- Hydropunch screen interval

PID = Photo-ionization detector or organic vapor meter reading in parts per million (ppm)

fbg = Feet below grade

Blow Counts = Number of blows required to drive a California-modified split-spoon sampler using a 140-pound hammer falling freely 30 inches, recorded per 6-inch interval of a total 18-inch sample interval

(10YR 4/4) = Soil color according to Munsell Soil Color Charts

msl = Mean sea level

Soils logged according to the USCS.

UNIFIED SOILS CLASSIFICATION SYSTEM (USCS) SUMMARY

Major Divisions			Graphic	Group Symbol	Typical Description
Coarse-Grained Soils (>50% Sands and/or Gravels)	Gravel and Gravelly Soils	Clean Gravels (≤5% fines)		GW	Well-graded gravels, gravel-sand mixtures, little or no fines
				GP	Poorly-graded gravels, gravel-sand mixtures, little or no fines
		Gravels with Fines (≥15% fines)		GM	Silty gravels, gravel-sand-silt mixtures
				GC	Clayey gravels, gravel-sand-clay mixtures
	Sand and Sandy Soils	Clean Sands (≤5% fines)		SW	Well-graded sands, gravelly sands, little or no fines
				SP	Poorly-graded sands, gravelly sand, little or no fines
		Sands with Fines (≥15% fines)		SM	Silty sands, sand-silt mixtures
				SC	Clayey sands, sand-clay mixtures
Fine-Grained Soils (>50% Silts and/or Clays)	Silts and Clays			ML	Inorganic silts, very fine sands, silty or clayey fine sands, clayey silts with slight plasticity
				CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
				OL	Organic silts and organic silty clays of low plasticity
	Silts and Clays			MH	Inorganic silts, micaceous or diatomaceous fine sand or silty soils
				CH	Inorganic clays of high plasticity
				OH	Organic clays of medium to high plasticity, organic silts
Highly Organic Soils				PT	Peat, humus, swamp soils with high organic contents

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-1
JOB/SITE NAME	Lagu23971	**DRILLING STARTED**	17-Oct-11
LOCATION	23971 El Toro Road, Laguna Hills, CA	**DRILLING COMPLETED**	17-Oct-11
PROJECT NUMBER	060703	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc.	**GROUND SURFACE ELEVATION**	±375 ft above msl
DRILLING METHOD	Direct Push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	M. Urena	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	J. Schneider, PG 7914	**DEPTH TO WATER (Static)**	NA
REMARKS	Air-knifed to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							6" of asphalt at surface.	0.5	Concrete
					SC		**Clayey SAND:** light golden brown, moist, medium sand.	7.0	
0.0		SB-1-5		5					
					ML		**SILT with clay:** light gray, moist.	9.0	
0.1		SB-1-10		10	SM		**Silty SAND:** brown, moist, fine sand.	14.0	
0.4		SB-1-15		15	ML		**Clayey SILT:** gray, moist, trace medium sand.	19.0	
0.5		SB-1-20		20			**SILT:** brown, moist, soft, few medium sand.		
0.3		SB-1-25		25	ML				Bentonite grout
0.6		SB-1-30		30					

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WELL LOG (PID) - NO SIG C:\DOCUMENTS AND SETTINGS\MCMCDONALD\MY DOCUMENTS\PROJECT WORK AREA\0 - GINT BORING LOGS\060703 - LAGU23971\060703-BORING LOGS.GPJ DEFAULT.GDT 11/15/11

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-1
JOB/SITE NAME	Lagu23971	**DRILLING STARTED**	17-Oct-11
LOCATION	23971 El Toro Road, Laguna Hills, CA	**DRILLING COMPLETED**	17-Oct-11

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
								34.0	
1.0		SB-1-35		35	ML		**Clayey SILT:** brown, moist, few medium sand.		
1.5		SB-1-40		40			Silty SAND and Sandy SILT (See CPT data for additional detail).	40.0	
		SB-1-W		45					
				50				50.0	

Bottom of Boring @ 50 ft

WELL LOG (PID) - NO SIG C:\DOCUMENTS AND SETTINGS\MCMCDONALD\MY DOCUMENTS\PROJECT WORK AREA\0 - GINT BORING LOGS\060703 - LAGU23971\060703-BORING LOGS.GPJ DEFAULT.GDT 11/15/11

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-2
JOB/SITE NAME	Lagu23971	**DRILLING STARTED**	18-Oct-11
LOCATION	23971 El Toro Road, Laguna Hills, CA	**DRILLING COMPLETED**	18-Oct-11
PROJECT NUMBER	060703	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc.	**GROUND SURFACE ELEVATION**	±375 ft above msl
DRILLING METHOD	Direct Push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	M. Urena	**DEPTH TO WATER (First Encountered)**	20.0 ft (18-Oct-11) ▽
REVIEWED BY	J. Schneider, PG 7914	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air-knifed to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					SP		2.5" of asphalt at surface. **SAND:** reddish brown, moist, fine to medium sand.	0.2	Concrete
		SB-2-5		5			**Silty SAND:** light yellowish brown, moist, fine sand, trace clay.	5.0	
0.1		SB-2-10		10	SM				
0.0		SB-2-15		15			**Clayey SILT:** brown, moist, trace medium sand.	14.0	
0.2		SB-2-20		20			@ 20' saturated. ▽		
0.1		SB-2-25		25	ML				Bentonite grout
0.1		SB-2-30		30					

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WELL LOG (PID) - NO SIG C:\DOCUMENTS AND SETTINGS\MCMCDONALD\MY DOCUMENTS\PROJECT WORK AREA\0 - GINT BORING LOGS\060703 - LAGU23971\060703-BORING LOGS.GPJ DEFAULT.GDT 11/15/11

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-2
JOB/SITE NAME	Lagu23971	**DRILLING STARTED**	18-Oct-11
LOCATION	23971 El Toro Road, Laguna Hills, CA	**DRILLING COMPLETED**	18-Oct-11

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.6		SB-2-35		35					
0.2		SB-2-40		40			Silty SAND and Sandy SILT (See CPT data for additional detail).	40.0	
		SB-2-W		45					
				50				50.0	Bottom of Boring @ 50 ft

WELL LOG (PID) - NO SIG C:\DOCUMENTS AND SETTINGS\MCMCDONALD\MY DOCUMENTS\PROJECT WORK AREA\0 - GINT BORING LOGS\060703 - LAGU23971\060703-BORING LOGS.GPJ DEFAULT.GDT 11/15/11

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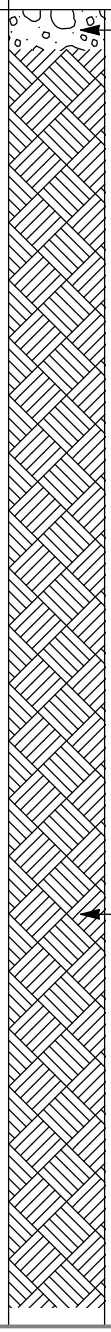
BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-3
JOB/SITE NAME	Lagu23971	**DRILLING STARTED**	18-Oct-11
LOCATION	23971 El Toro Road, Laguna Hills, CA	**DRILLING COMPLETED**	18-Oct-11
PROJECT NUMBER	060703	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc.	**GROUND SURFACE ELEVATION**	±375 ft above msl
DRILLING METHOD	Direct Push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	M. Urena	**DEPTH TO WATER (First Encountered)**	11.0 ft (18-Oct-11)
REVIEWED BY	J. Schneider, PG 7914	**DEPTH TO WATER (Static)**	NA
REMARKS	Air-knifed to 10 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)
							6" of concrete at surface.	0.5
					SP		**SAND:** brown, moist, fine to medium sand.	
							@ 4' rounded cobbles up to 3" diameter.	4.0
0.0		SB-3-5		5	SC		**Clayey SAND:** reddish brown, moist, fine to medium sand.	
					ML		**SILT:** gray, moist.	8.0
0.1		SB-3-10		10	SP		**SAND:** gray moist, fine sand. @ 11' saturated.	10.0
0.0		SB-3-15		15			@ 15' medium sand.	
							Clayey SILT: brown, saturated, trace medium sand.	18.0
0.0		SB-3-20		20				
0.1		SB-3-25		25	ML			
0.0		SB-3-30		30				

WELL DIAGRAM



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WELL LOG (PID) - NO SIG C:\DOCUMENTS AND SETTINGS\MCMCDONALD\MY DOCUMENTS\PROJECT WORK AREA\0 - GINT BORING LOGS\060703 - LAGU23971\060703-BORING LOGS.GPJ DEFAULT.GDT 11/15/11

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-3
JOB/SITE NAME	Lagu23971	**DRILLING STARTED**	18-Oct-11
LOCATION	23971 El Toro Road, Laguna Hills, CA	**DRILLING COMPLETED**	18-Oct-11

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.0		SB-3-35		35					
								38.5	
0.0		SB-3-40		40	CL		**CLAY:** gray, saturated.		
								43.0	
					ML		**Clayey SILT:** brown, saturated, few medium sand.		
0.0		SB-3-45		45				45.0	

Bottom of Boring @ 45 ft

WELL LOG (PID) - NO SIG C:\DOCUMENTS AND SETTINGS\MCMCDONALD\MY DOCUMENTS\PROJECT WORK AREA\0 - GINT BORING LOGS\060703 - LAGU23971\060703-BORING LOGS.GPJ DEFAULT.GDT 11/15/11

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-4
JOB/SITE NAME	Lagu23971	**DRILLING STARTED**	18-Oct-11
LOCATION	23971 El Toro Road, Laguna Hills, CA	**DRILLING COMPLETED**	18-Oct-11
PROJECT NUMBER	060703	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc.	**GROUND SURFACE ELEVATION**	±375 ft above msl
DRILLING METHOD	Direct Push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	M. Urena	**DEPTH TO WATER (First Encountered)**	35.0 ft (18-Oct-11)
REVIEWED BY	J. Schneider, PG 7914	**DEPTH TO WATER (Static)**	NA
REMARKS	Air-knifed to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							5" of asphalt at surface.	0.5	Concrete
							Clayey SAND: dark brown, moist, medium sand.		
0.3		SB-4-5		5	SC				
								9.0	
1.8		SB-4-10		10			**Silty SAND:** brown, moist, medium sand.		
0.1		SB-4-15		15	SM				
								19.0	
0.5		SB-4-20		20			**Clayey SILT:** gray, moist, few coarse sand.		
0.3		SB-4-25		25			@ 25' mottled brown and gray.		Bentonite grout
0.5		SB-4-30		30	ML				

Continued Next Page

WELL LOG (PID) - NO SIG C:\DOCUMENTS AND SETTINGS\MCMCDONALD\MY DOCUMENTS\PROJECT WORK AREA\0 - GINT BORING LOGS\060703 - LAGU23971\060703-BORING LOGS.GPJ DEFAULT.GDT 11/15/11

Conestoga-Rovers & Associates
175 Technology Drive, Suite 150
Irvine, CA 92618
Telephone: 949-648-5200
Fax: 949-648-5299

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-4
JOB/SITE NAME	Lagu23971	**DRILLING STARTED**	18-Oct-11
LOCATION	23971 El Toro Road, Laguna Hills, CA	**DRILLING COMPLETED**	18-Oct-11

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
12.6		SB-4-35		35			@ 35' wet.		
3.9		SB-4-40		40			@ 40' saturated.		
3.1		SB-4-45 SB-4-W		45			Silty SAND and Sandy SILT (See CPT data for additional detail).	45.0	
				50				50.0	Bottom of Boring @ 50 ft

WELL LOG (PID) - NO SIG C:\DOCUMENTS AND SETTINGS\MCMCDONALD\MY DOCUMENTS\PROJECT WORK AREA\0 - GINT BORING LOGS\060703 - LAGU23971\060703-BORING LOGS.GPJ DEFAULT.GDT 11/15/11

Conestoga-Rovers & Associates
175 Technology Drive, Suite 150
Irvine, CA 92618
Telephone: 949-648-5200
Fax: 949-648-5299

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-5
JOB/SITE NAME	Lagu23971	**DRILLING STARTED**	14-Oct-11
LOCATION	23971 El Toro Road, Laguna Hills, CA	**DRILLING COMPLETED**	14-Oct-11
PROJECT NUMBER	060703	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc.	**GROUND SURFACE ELEVATION**	±375 ft above msl
DRILLING METHOD	Direct Push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	M. Urena	**DEPTH TO WATER (First Encountered)**	24.0 ft (14-Oct-11)
REVIEWED BY	J. Schneider, PG 7914	**DEPTH TO WATER (Static)**	NA
REMARKS	Air-knifed to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	U.S.C.S.	SOIL DESCRIPTION	CONTACT DEPTH (fbg)
				8" of concrete at surface.	0.8
1.2		SB-5-5	SC	**Clayey SAND:** gray, moist, medium sand.	9.0
0.6		SB-5-10	ML	**SILT:** light gray, moist.	12.0
			SC	**CLAY:** light gray, moist.	14.0
1,320		SB-5-15	SM	**Silty SAND:** light gray, moist, medium sand.	18.0
13.4		SB-5-20	ML	**Clayey SILT:** light gray, moist, few medium sand.	24.0
			SM	**Silty SAND:** light gray, moist to wet, fine sand.	25.0
4.4		SB-5-25	ML	**Clayey SILT:** brown, wet.	30.0
3.4		SB-5-30	ML	**SILT:** brown, wet, trace medium sand.	32.0
			SM	**Silty SAND:** light gray, saturated, fine to medium sand.	35.0
2.2		SB-5-35	ML	**SILT:** brown, saturated, some medium sand.	41.0

EXTENT: DEPTH (fbg) 5, 10, 15, 20, 25, 30, 35, 40

GRAPHIC LOG

WELL DIAGRAM: Concrete; Bentonite grout; Bottom of Boring @ 41 ft

WELL LOG (PID) - NO SIG C:\DOCUMENTS AND SETTINGS\MCMCDONALD\MY DOCUMENTS\PROJECT WORK AREA\0 - GINT BORING LOGS\060703 - LAGU23971\060703-BORING LOGS.GPJ DEFAULT.GDT 11/15/11

Conestoga-Rovers & Associates
175 Technology Drive, Suite 150
Irvine, CA 92618
Telephone: 949-648-5200
Fax: 949-648-5299

BORING/WELL LOG

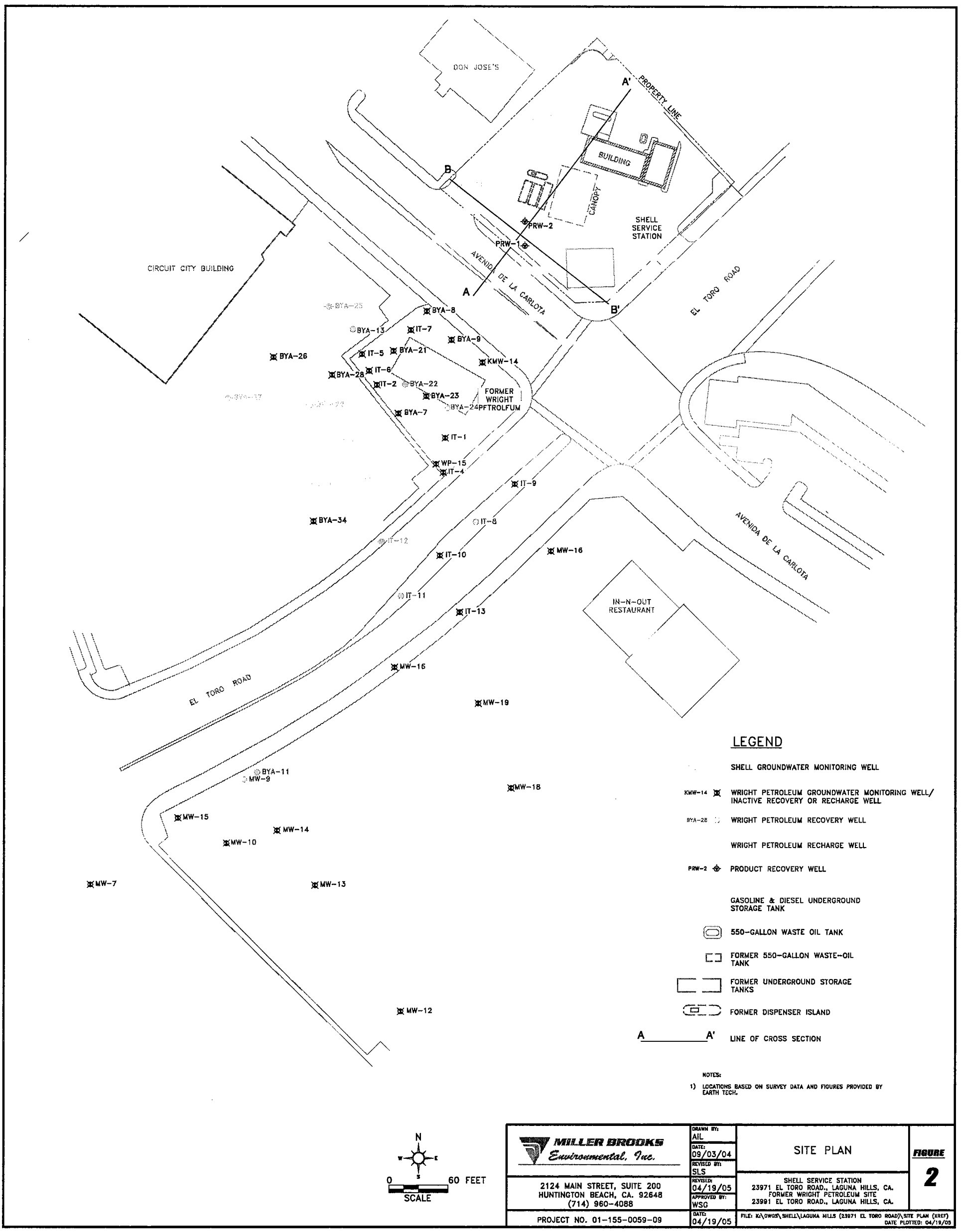
CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-6
JOB/SITE NAME	Lagu23971	**DRILLING STARTED**	27-Oct-11
LOCATION	23971 El Toro Road, Laguna Hills, CA	**DRILLING COMPLETED**	27-Oct-11
PROJECT NUMBER	060703	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc.	**GROUND SURFACE ELEVATION**	±375 ft above msl
DRILLING METHOD	Direct Push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	M. Urena	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	J. Schneider, PG 7914	**DEPTH TO WATER (Static)**	NA
REMARKS	Air-knifed to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					FILL		9" of asphalt over 15" of road base.	2.0	Concrete
					SP		**SAND:** brown, moist, medium to coarse sand, few angular and subrounded gravel.	5.0	
0.0		SB-6-5		5	SM		**Silty SAND:** brown, moist, fine to medium sand, few coarse sand, angular fragments of dark brown sandy siltstone.	9.0	
0.0		SB-6-10		10	ML		**SILT:** brown, moist, few medium sand.	14.0	
0.0		SB-6-15		15			**Clayey SILT:** olive brown, moist, trace medium sand.		
48		SB-6-20		20					Bentonite grout
101		SB-6-25		25	ML		@ 25' oxide stains.		
98		SB-6-30		30					
		SB-6-35		35					
		SB-6-40		40				40.0	Bottom of Boring @ 40 ft

WELL LOG (PID) - NO SIG C:\DOCUMENTS AND SETTINGS\MCMCDONALD\MY DOCUMENTS\PROJECT WORK AREA\0 - GINT BORING LOGS\060703 - LAGU23971\060703-BORING LOGS.GPJ DEFAULT.GDT 11/15/11

APPENDIX C

GEOLOGIC CROSS SECTIONS



MILLER BROOKS Environmental, Inc.

2124 MAIN STREET, SUITE 200
HUNTINGTON BEACH, CA. 92648
(714) 960-4088

PROJECT NO. 01-155-0059-09

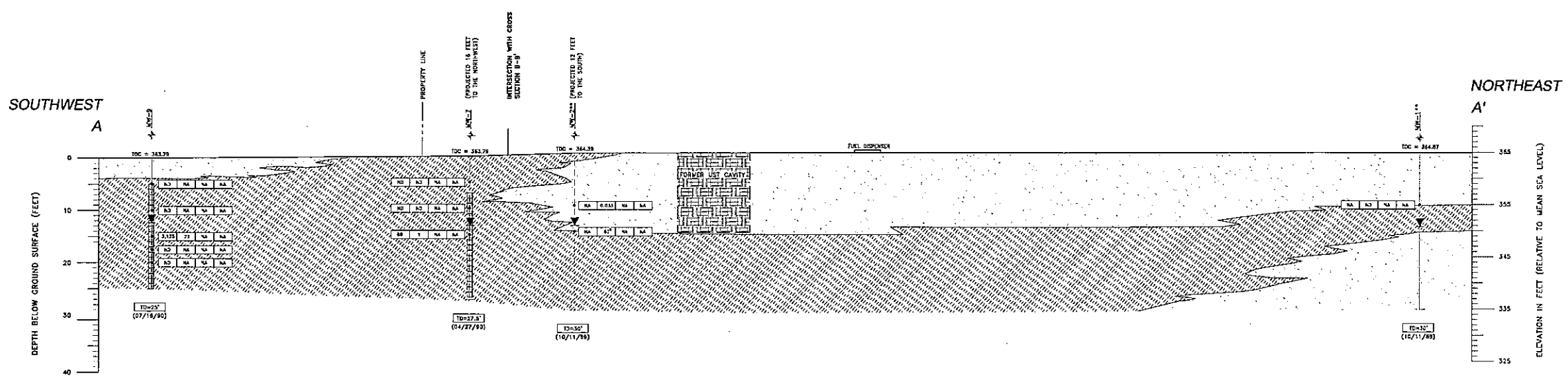
DRAWN BY: AIL
DATE: 09/03/04
REVISED BY: SLS
REVISED: 04/19/05
APPROVED BY: WSG
DATE: 04/19/05

SITE PLAN

SHELL SERVICE STATION
23971 EL TORO ROAD., LAGUNA HILLS, CA.
FORMER WRIGHT PETROLEUM SITE
23991 EL TORO ROAD., LAGUNA HILLS, CA.

FILE: K:\DWGS\SHELL\LAGUNA HILLS (23971 EL TORO ROAD)\SITE PLAN (XREF)
DATE PLOTTED: 04/19/05

FIGURE 2



LEGEND

- SHELL GROUNDWATER MONITORING WELL
- SCREEN INTERVAL OF WELLS
- TOC = 363.79 — TOP OF CASING ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- TD=25' — TOTAL DEPTH OF WELL/SOIL BORING IN FEET BELOW GROUND SURFACE
- (07/16/90) — DATE OF WELL INSTALLATION
- ND ND ND ND * — SOIL SAMPLE LOCATION WITH TPH-G/B/MTBE/TBA CONCENTRATIONS (IN mg/Kg)
- APPROXIMATE STATIC GROUNDWATER ELEVATION MEASURED JANUARY 4, 2005
- COARSE-GRAINED SOILS: SC – CLAYEY SANDS; SW – SILTY SANDS; SW – WELL GRADED SANDS
- FINE-GRAINED SOILS: CL – CLAYS; ML – SILTS
- BACKFILL MATERIAL
- APPROXIMATE STRATIGRAPHIC BOUNDARY
- PROPERTY LINE

NOTES:

1) TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE ANALYZED USING EPA METHOD 8015M OR THE CALIFORNIA DHS LUFT METHOD, B = BENZENE, MTBE = METHYL TERTIARY BUTYL ETHER, TBA = TERTIARY BUTYL ALCOHOL. EACH ANALYZED USING EPA METHOD 8020M OR 8260B. ug/L = MICROGRAMS PER LITER, mg/kg = MILLIGRAMS PER KILOGRAM. ND = NOT DETECTED AT LIMIT INDICATED ON OFFICIAL LABORATORY REPORT. NA = NOT ANALYZED.

2) DETAILS DEPICTED ON THIS CROSS SECTION ARE INTERPRETIVE, AND EMPHASIZE GEOLOGY OBTAINED FROM THE LOGGING OF SOIL BORINGS.

3) GROUNDWATER ELEVATION AND DISSOLVED-PHASE ANALYTICAL DATA ARE BASED ON GROUNDWATER GAUGING AND SAMPLING CONDUCTED ON JANUARY 4, 2005.

4) * = THE SAMPLE CHROMATOGRAM DID NOT MATCH THE CHROMATOGRAPHIC PATTERN OF THE SPECIFIED STANDARD.

5) ** = UNKNOWN SCREENED INTERVAL.

VERTICAL SCALE: 0 – 10 FEET; HORIZONTAL SCALE: 0 – 10 FEET

MILLER BROOKS Environmental, Inc.
2124 MAIN STREET, SUITE 200
HUNTINGTON BEACH, CA. 92648
(714) 960-4088
PROJECT NO. 01-155-0059-09

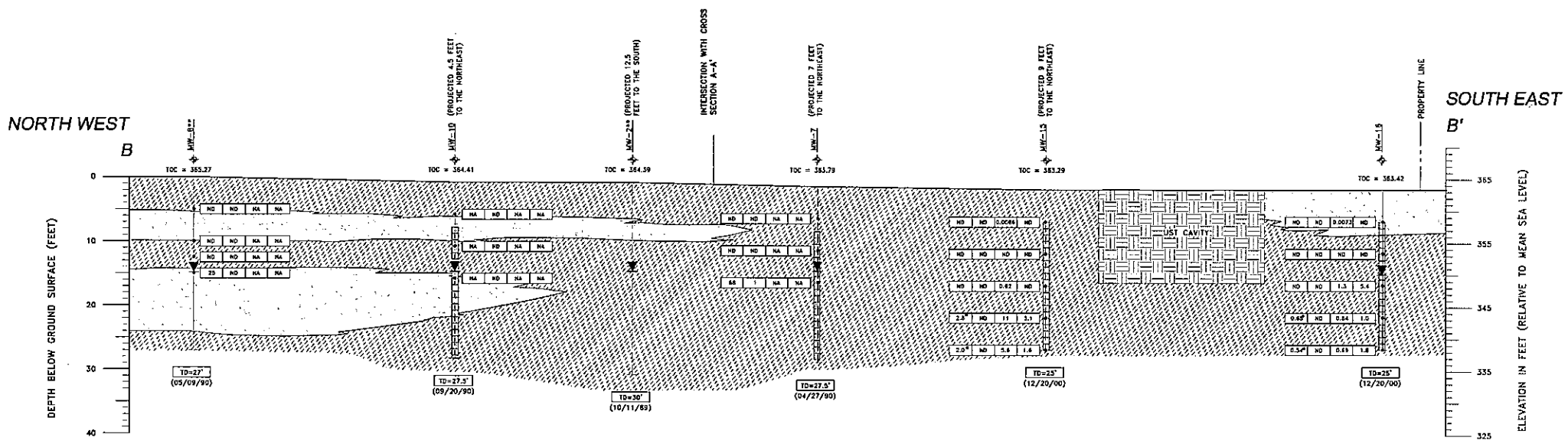
DRAWN BY: SLS
DATE: 04/12/05
REVIEWED BY: DCM
REVISED: 04/26/05
APPROVED BY: WSG
DATE: 04/28/05

GEOLOGIC CROSS SECTION A–A'

SHELL SERVICE STATION
23971 EL TORO ROAD, LAGUNA HILLS, CA.
FORMER WRIGHT PETROLEUM SITE
23991 EL TORO ROAD., LAGUNA HILLS, CA.

FIGURE 3

PATH: G:\SHELL (FKA EQUILON)\LAGUNA HILLS (23771 EL TORO)\FIGURE
FILE: CS 04-12-05.DWG TAB: [F3] DATE PLOTTED: 04/28/05



LEGEND

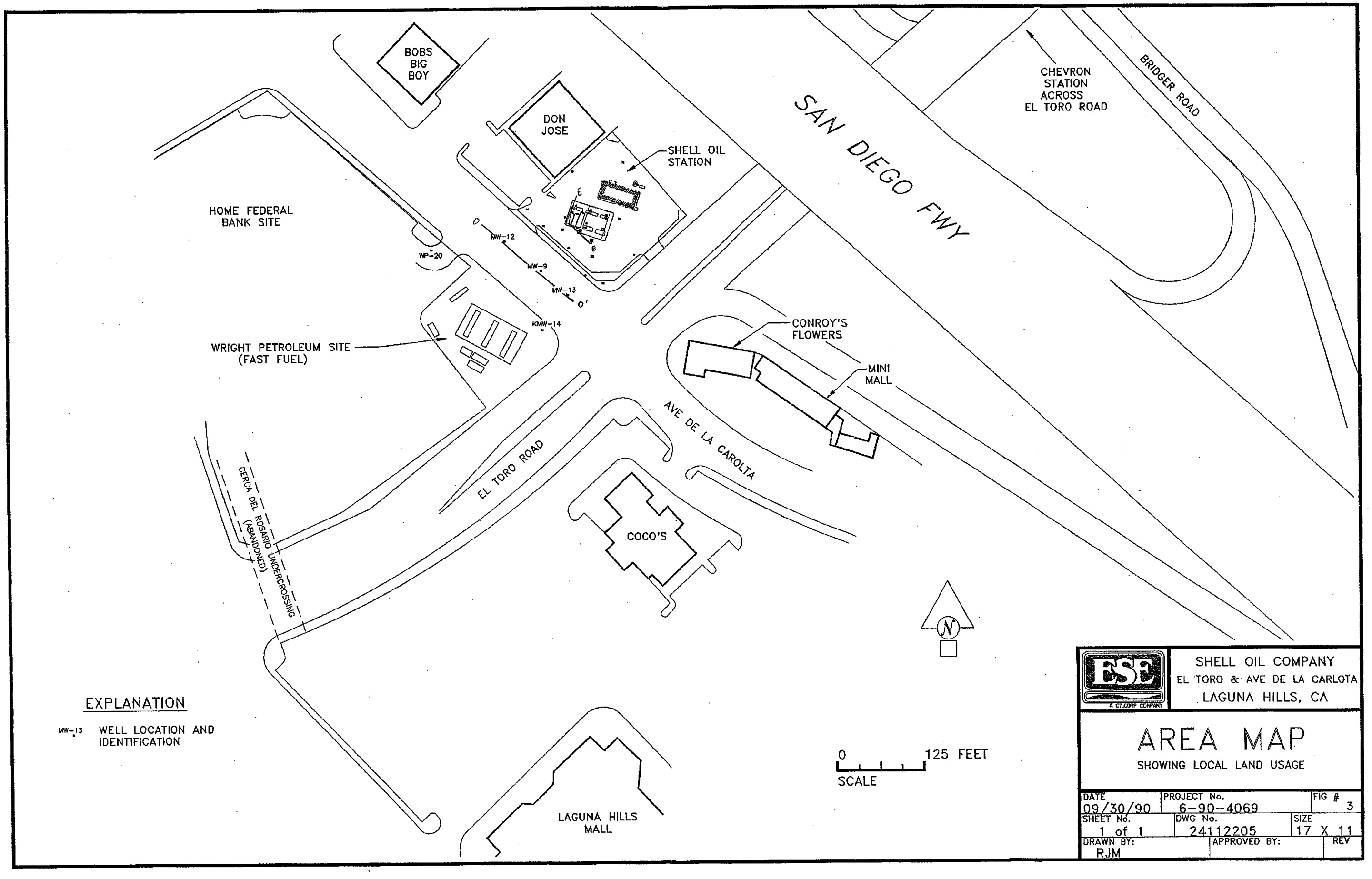
- MW-16 — GROUNDWATER MONITORING WELL
- SCREEN INTERVAL OF WELLS
- TOC = 363.42 — TOP OF CASING ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- TD=25' — TOTAL DEPTH OF WELL/SOIL BORING IN FEET BELOW GROUND SURFACE
- (12/20/00) — DATE OF WELL INSTALLATION
- ND | ND | ND | ND * — SOIL SAMPLE LOCATION WITH TPH-G/B/MTBE/TBA CONCENTRATIONS (IN mg/Kg)
- APPROXIMATE STATIC GROUNDWATER ELEVATION MEASURED JANUARY 4, 2005
- COARSE-GRAINED SOILS: SC – CLAYEY SANDS; SM – SILTY SANDS
- FINE-GRAINED SOILS: CL – CLAYS; ML – SILTS
- BACKFILL MATERIAL
- APPROXIMATE STRATIGRAPHIC BOUNDARY
- PROPERTY LINE

NOTES:

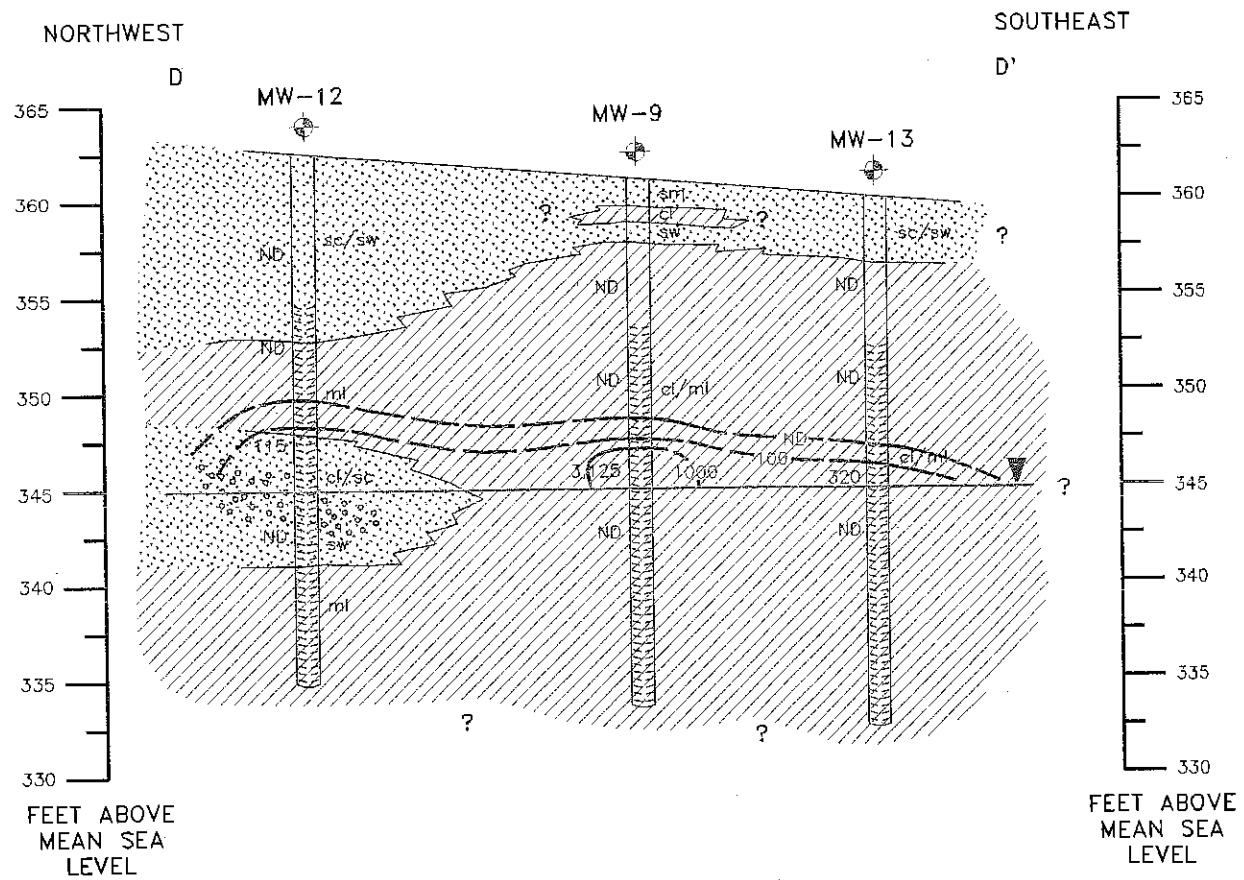
1) TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE ANALYZED USING EPA METHOD 8015M OR THE CALIFORNIA DHS LUFT METHOD, B = BENZENE, MTBE = METHYL TERTIARY BUTYL ETHER, TBA = TERTIARY BUTYL ALCOHOL, EACH ANALYZED USING EPA METHOD 8020M OR 8260B, ug/L = MICROGRAMS PER LITER, mg/kg = MILLIGRAMS PER KILOGRAM, ND = NOT DETECTED AT LIMIT INDICATED ON OFFICIAL LABORATORY REPORT, NA = NOT ANALYZED, NS = NOT SAMPLED.
2) DETAILS DEPICTED ON THIS CROSS SECTION ARE INTERPRETIVE, AND EMPHASIZE GEOLOGY OBTAINED FROM THE LOGGING OF SOIL BORINGS.
3) GROUNDWATER ELEVATION AND DISSOLVED-PHASE ANALYTICAL DATA ARE BASED ON GROUNDWATER GAUGING AND SAMPLING CONDUCTED ON JANUARY 4, 2005.
4) * = LAB ANALYTICAL REPORT INDICATES THAT THE SAMPLE CHROMATOGRAM DID NOT MATCH THE LABORATORY GASOLINE STANDARD.
5) ** = UNKNOWN SCREENED INTERVAL.

0 FEET — VERTICAL SCALE; 10 FEET — HORIZONTAL SCALE

MILLER BROOKS Environmental, Inc.	DRAWN BY: SLS	GEOLOGIC CROSS SECTION B–B'	FIGURE 4
2124 MAIN STREET, SUITE 200 HUNTINGTON BEACH, CA. 92648 (714) 960-4088	DATE: 04/12/05; REVISED BY: DCN; REVISED: 04/28/05; APPROVED BY: WSG	SHELL SERVICE STATION 23971 EL TORO ROAD, LAGUNA HILLS, CA. FORMER WRIGHT PETROLEUM SITE 23991 EL TORO ROAD, LAGUNA HILLS, CA.	
PROJECT NO. 01-155-0059-09	DATE: 04/28/05	PATH: K:\SHELL (FKA EQUILON)\LAGUNA HILLS (23971 EL TORO)\LAGUN FILE: CS 04-12-05.DWG TAB: (FA) DATE PLOTTED: 04/28/05	


BOBS BIG BOY
DON JOSE
SHELL OIL STATION
SAN DIEGO FWY
CHEVRON STATION ACROSS EL TORO ROAD
BRIDGER ROAD
HOME FEDERAL BANK SITE
MW-12
MW-9
MW-13
WP-20
KMW-14
WRIGHT PETROLEUM SITE (FAST FUEL)
CONROY'S FLOWERS
MINI MALL
AVE DE LA CAROLTA
EL TORO ROAD
CERCA DEL ROSARIO UNDERCROSSING (ABANDONED)
COCO'S
LAGUNA HILLS MALL
N
0
125 FEET
SCALE
EXPLANATION
MW-13 WELL LOCATION AND IDENTIFICATION
ESE
A CILCORP COMPANY
SHELL OIL COMPANY
EL TORO & AVE DE LA CARLOTA
LAGUNA HILLS, CA
AREA MAP
SHOWING LOCAL LAND USAGE
DATE 09/30/90
PROJECT No. 6-90-4069
FIG # 3
SHEET No. 1 of 1
DWG No. 24112205
SIZE 17 X 11
DRAWN BY: RJM
APPROVED BY:
REV

LOOKING NORTHEAST



EXPLANATION

COBBLES AND GRAVEL

SAND (sp, sw, sm, sc)

SILT AND CLAY (ml, cl)

APPROXIMATE LOCATION OF GROUND-WATER TABLE (NOV 1990) QUIERIED WHERE UNKNOWN

100 — LINE OF EQUAL TOTAL PETROLEUM HYDROCARBON (TPH-DHS) IN MILLIGRAMS PER KILOGRAM (mg/kg) DASHED WHERE APPROXIMATE

MW-13 — LOCATION OF GROUND-WATER MONITORING WELL SHOWING SCREENED INTERVAL AND TPH-DHS/418.1 CONCENTRATIONS IN mg/kg

SCALE

VERTICAL - 1" = 10'

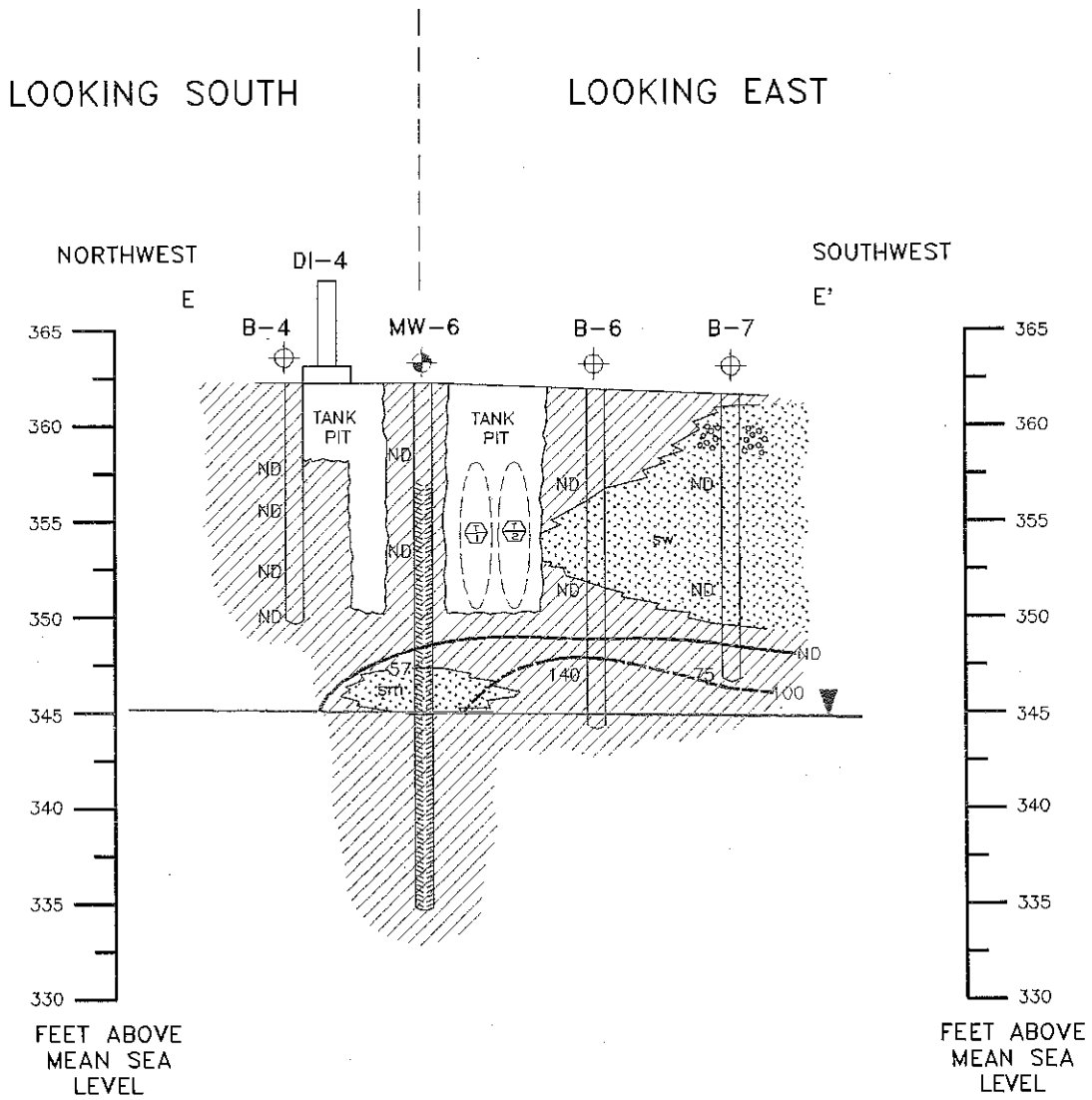
HORIZONTAL - 1" = 40' 0 20' 40'

ESE A GILCORP COMPANY

SHELL OIL COMPANY
EL TORO & AVE DE LA CARLOTA
LAGUNA HILLS, CA

LITHOGRAPHIC CROSS SECTION D - D'

DATE	PROJECT No.	FIG #
01/10/91	6-90-4069	7
SHEET No.	DWG No.	SIZE
1 of 1	24112210	17 X 11
DRAWN BY:	APPROVED BY:	REV
P. Leets		



EXPLANATION

- COBBLES AND GRAVEL
- SAND (sp, sw, sm, sc)
- SILT AND CLAY (ml, cl)
- APPROXIMATE LOCATION OF GROUND-WATER TABLE (NOV 1990) QUERIED WHERE UNKNOWN
- 100 — LINE OF EQUAL TOTAL PETROLEUM HYDROCARBON (TPH-DHS) IN MILLIGRAMS PER KILOGRAM (mg/kg) DASHED WHERE APPROXIMATE
- UNDERGROUND STORAGE TANK LOCATION AND NUMBER
- MW-6 — LOCATION OF GROUND-WATER MONITORING WELL SHOWING SCREENED INTERVAL AND TPH-DHS/418.1 CONCENTRATIONS IN mg/kg
- B-7 — LOCATION OF BORING SHOWING TPH-DHS IN mg/kg
- ND — NOT DETECTED

SCALE

VERTICAL - 1" = 10'

HORIZONTAL - 1" = 40' 0 20' 40'

ESE A CILCORP COMPANY

SHELL OIL COMPANY
EL TORO & AVE DE LA CARLOTA
LAGUNA HILLS, CA

LITHOGRAPHIC CROSS SECTION E - E'

DATE	PROJECT No.	FIG #
01/10/91	6-90-4069	8
SHEET No.	DWG No.	SIZE
1 of 1	24112211	17 X 11
DRAWN BY: P. Leets	APPROVED BY:	REV

APPENDIX D

HISTORICAL GROUNDWATER ANALYTICAL DATA

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-1	08/07/1990	200	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	09/11/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.02	16.99	0.00	345.03
MW-1	11/14/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.18	17.10	0.00	345.08
MW-1	11/21/1990	100	---	6.0	<1.0	6.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	362.18	---	---	---
MW-1	03/18/1991	200	---	4.0	<1.0	10	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	362.18	16.98	0.00	345.20
MW-1	07/03/1991	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	362.18	16.34	0.00	345.84
MW-1	09/12/1991	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	362.18	16.73	0.00	345.45
MW-1	01/15/1992	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	362.18	---	---	---
MW-1	01/30/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.18	17.43	0.00	344.75
MW-1	04/05/1992	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.18	16.41	0.00	345.77
MW-1	08/12/1992	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.18	16.40	0.00	345.78
MW-1	12/16/1992	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.18	16.91	0.00	345.27
MW-1	04/21/1993	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.18	13.99	0.00	348.19
MW-1	06/03/1993	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.11	14.02	0.00	348.09
MW-1	06/03/1993	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.11	14.02	0.00	348.09
MW-1	11/20/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.11	15.05	0.00	347.06
MW-1	12/01/1993	<500	---	<0.30	<0.30	<0.30	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.06	15.05	0.00	347.01
MW-1	01/13/1994	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.06	15.28	0.00	346.78
MW-1	03/31/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.06	15.55	0.00	346.51
MW-1	04/07/1994	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.06	15.55	0.00	346.51
MW-1	07/07/1994	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.06	15.73	0.00	346.33
MW-1	10/06/1994	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.06	16.31	0.00	345.75
MW-1	01/31/1995	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.06	15.15	0.00	346.91
MW-1	04/06/1995	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	1.3	362.06	14.50	0.00	347.56
MW-1	07/06/1995	<500	---	0.6	0.5	0.3	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	2.8	362.06	13.68	0.00	348.38
MW-1	10/05/1995	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	1.8	362.06	14.89	0.00	347.17
MW-1	01/03/1996	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	1.0	362.06	15.58	0.00	346.48
MW-1	04/04/1996	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	2.4	362.06	15.58	0.00	346.48
MW-1	06/06/1996	700	---	5.4	23	20	120	<10	---	---	---	---	---	---	---	---	---	---	---	2.1	362.06	15.70	0.00	346.36
MW-1	04/10/1997	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.8	362.06	14.90	0.00	347.16
MW-1	03/30/1998	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	2.5	362.06	12.98	0.00	349.08
MW-1	08/07/1998	<500	---	<0.30	<0.30	<0.30	<0.60	13	---	---	---	---	---	---	---	---	---	---	---	1.9	362.06	12.23	0.00	349.83
MW-1	09/25/1998	---	---	<5.0	<5.0	<5.0	<15	---	<20	---	---	---	---	---	---	---	---	---	---	2.4	362.06	12.82	0.00	349.24
MW-1	11/24/1998	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	2.8	362.06	13.38	0.00	348.68
MW-1	03/30/1999	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	2.9	362.06	13.96	0.00	348.10
MW-1	06/24/1999	<500	---	<0.50	<1.0	<1.0	<1.0	---	1.4	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	2.8	362.06	14.19	0.00	347.87
MW-1	09/16/1999	<500	---	<0.30	<0.30	<0.30	<0.60	<5.0	---	---	---	---	---	---	---	---	---	---	---	2.8	362.06	14.53	0.00	347.53
MW-1	12/27/1999	<500	---	<0.50	<1.0	<1.0	<2.0	---	5.4	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.8	362.06	15.09	0.00	346.97
MW-1	03/24/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	3.2	362.06	14.92	0.00	347.14
MW-1	06/13/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	1.2	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.8	362.06	14.55	0.00	347.51
MW-1	09/13/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	2.7	362.06	15.03	0.00	347.03
MW-1	12/28/2000	<500	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	99.13**	15.55	0.00	83.58

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-1	03/05/2001	<500	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	9.65	99.13**	14.74	0.00	84.39
MW-1	05/03/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	10.68	99.13**	14.13	0.00	85.00
MW-1	07/11/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	8.1	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.83	99.13**	14.17	0.00	84.96
MW-1	11/07/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	1.7	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	6.88	99.13**	14.55	0.00	84.58
MW-1	03/06/2002	<100	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.97	364.87	15.15	0.00	349.72
MW-1	06/21/2002	<100	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	8.92	364.87	15.85	0.00	349.02
MW-1	08/26/2002	<50	---	<1.0	<1.0	<1.0	<1.0	---	<5.0	<50	<10	<10	<10	---	---	---	---	---	---	---	364.87	15.85	0.00	349.02
MW-1	11/01/2002	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.87	17.96	0.00	346.91
MW-1	03/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.87	15.12	0.00	349.75
MW-1	03/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.87	---	---	---
MW-1	06/03/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.87	13.82	0.00	351.05
MW-1	09/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.87	14.07	0.00	350.80
MW-1	11/25/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	364.87	14.19	0.00	350.68
MW-1	02/24/2004	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.5	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	364.87	14.74	0.00	350.13
MW-1	06/03/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.87	14.22	0.00	350.65
MW-1	08/26/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.87	14.73	0.00	350.14
MW-1	10/06/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.87	14.80	0.00	350.07
MW-1	01/04/2005	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	364.87	14.12	0.00	350.75
MW-1	04/04/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.87	11.37	0.00	353.50
MW-1	07/19/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.87	11.63	0.00	353.24
MW-1	10/03/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.87	12.35	0.00	352.52
MW-1	01/09/2006	<50	---	<0.50	<0.50	<0.50	<1.0	---	5.4	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	364.87	13.05	0.00	351.82
MW-1	04/03/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.87	13.45	0.00	351.42
MW-1	07/10/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.87	13.43	0.00	351.44
MW-1	10/09/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.87	13.75	0.00	351.12
MW-1	01/08/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	15	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	364.87	14.42	0.00	350.45
MW-1	04/09/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.87	15.04	0.00	349.83
MW-1	07/09/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.87	15.22	0.00	349.65
MW-1	10/08/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.87	15.32	0.00	349.55
MW-1	01/28/2008	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	364.87	14.56	0.00	350.31
MW-1	05/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.87	14.03	0.00	350.84
MW-1	07/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.87	13.87	0.00	351.00
MW-1	10/03/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.52	14.41	0.00	350.11
MW-1	01/21/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<0.10	---	---	---	---	---	---	364.52	14.29	0.00	350.23
MW-1	04/02/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.52	13.80	0.00	350.72
MW-1	07/20/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.52	14.56	0.00	349.96
MW-1	10/20/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<0.10	<0.00100	<0.10	6.2	190	-200	0.69	364.52	15.19	0.00	349.33
MW-1	01/26/2010	61	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.52	15.33	0.00	349.19
MW-1	04/07/2010	57	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.52	14.50	0.00	350.02
MW-1	07/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	<50	<1.0	---	---	---	---	364.52	15.10	0.00	349.42
MW-1	10/18/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	<0.00100	<0.10	7.7	240	---	1.01	364.52	15.21	0.00	349.31
MW-1	01/13/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	<150	---	---	---	---	---	---	364.52	13.61	0.00	350.91

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-1	04/11/2011	54 e	<470	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	364.52	12.98	0.00	351.54
MW-1	07/12/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	364.52	13.22	0.00	351.30
MW-1	10/06/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	<0.001	<100	6.10	250	450	1.07	364.52	13.95	0.00	350.57
MW-1	**01/23/2012**	**<50**	**<470**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**364.87**	**14.52**	0.00	**350.35**
MW-2	09/11/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.54	18.07	1.64	344.78
MW-2	11/16/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.54	17.48	1.11	344.89
MW-2	03/14/1991	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.54	17.06	1.23	345.40
MW-2	01/17/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.54	17.71	0.94	344.54
MW-2	11/20/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.54	15.92	0.61	346.08
MW-2	12/01/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.63	16.15	0.63	345.95
MW-2	01/13/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.63	15.86	0.12	345.86
MW-2	03/31/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.63	16.10	0.30	345.76
MW-2	04/07/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.63	15.70	0.09	346.00
MW-2	07/07/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.63	16.14	0.13	345.59
MW-2	10/06/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.63	16.81	0.33	345.07
MW-2	01/31/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.63	15.61	0.02	346.04
MW-2	04/06/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.63	14.12	0.02	347.53
MW-2	07/06/1995	140300	---	11453	9829.8	3200.9	12824	---	---	---	---	---	---	---	---	---	---	---	---	1.0	361.63	15.00	0.00	346.63
MW-2	10/05/1995	101000	---	10194	8546	2473.3	10692	---	---	---	---	---	---	---	---	---	---	---	---	0.7	361.63	15.52	0.00	346.11
MW-2	01/03/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.63	16.57	0.02	345.08
MW-2	04/04/1996	41700	---	2397.8	2520.6	1233	4877.7	2130	---	---	---	---	---	---	---	---	---	---	---	1.2	361.63	15.65	0.00	345.98
MW-2	06/06/1996	60000	---	5400	5100	2100	9700	4300	---	---	---	---	---	---	---	---	---	---	---	1.6	361.63	15.92	0.00	345.71
MW-2	10/17/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.63	16.23	0.01	345.41
MW-2	12/19/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.63	15.87	0.02	345.78
MW-2	04/10/1997	33000	---	2200	1200	810	3700	2400	---	---	---	---	---	---	---	---	---	---	---	1.2	361.63	14.95	0.00	346.68
MW-2	07/24/1997	48000	---	2300	1100	790	2700	2600	6700	---	---	---	---	---	---	---	---	---	---	0.9	361.63	14.83	0.00	346.80
MW-2	10/14/1997	240000	---	6300	5900	6100	23000	4600	2370	---	---	---	---	---	---	---	---	---	---	0.8	361.63	15.14	0.00	346.49
MW-2	02/06/1998	11000	---	118	277	119	1104	28	---	---	---	---	---	---	---	---	---	---	---	1.1	361.63	14.34	0.00	347.29
MW-2	03/30/1998	38000	---	180	530	380	2500	700	---	---	---	---	---	---	---	---	---	---	---	1.8	361.63	12.78	0.00	348.85
MW-2	08/07/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.63	14.01	0.00	347.62
MW-2	09/25/1998	---	---	39	8.3	13	<15	---	40	---	---	---	---	---	---	---	---	---	---	1.5	361.63	13.24	0.00	348.39
MW-2	11/24/1998	70000	---	2500	1300	640	3700	1300	---	---	---	---	---	---	---	---	---	---	---	2.5	361.63	13.78	0.00	347.85
MW-2	03/30/1999	24000	---	520	350	280	1300	360	---	---	---	---	---	---	---	---	---	---	---	1.2	361.63	14.33	0.00	347.30
MW-2	06/24/1999	15000	---	1800	850	420	1710	---	1400	<1000	99	<40	<40	---	---	---	---	---	---	1.8	361.63	14.93	0.00	346.70
MW-2	09/16/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.63	14.85	0.00	346.78
MW-2	12/27/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.63	15.25	0.00	346.38
MW-2	03/24/2000	15000	---	390	260	270	1080	---	210	<1000	<40	<40	<40	---	---	---	---	---	---	1.9	361.63	15.04	0.00	346.59
MW-2	06/13/2000	5900	---	<10	<20	<20	<40	---	560	<1000	<40	<40	<40	---	---	---	---	---	---	0.9	361.63	15.96	0.00	345.67
MW-2	09/13/2000	9800	---	920	380	330	980	---	480	<500	68	<20	<20	---	---	---	---	---	---	1.3	361.63	14.87	0.00	346.76
MW-2	12/28/2000	10000	---	860	600	290	1050	---	330	<500	<20	<20	<20	---	---	---	---	---	---	---	98.63	15.57	0.00	83.06
MW-2	03/05/2001	25000	---	580	210	180	680	---	200	<500	<20	<20	<20	---	---	---	---	---	---	9.09	98.63	14.42	0.00	84.21

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-2	05/03/2001	11000	---	130	110	250	1130	---	<10	<500	25	<20	<20	---	---	---	---	---	---	9.02	98.63	14.54	0.00	84.09
MW-2	07/11/2001	7200	---	170	52	96	310	---	280	<500	<20	<20	<20	---	---	---	---	---	---	8.32	98.63	14.19	0.00	84.44
MW-2	11/07/2001	2500	---	220	9.6	34	77	---	350	<250	29	<10	<10	---	---	---	---	---	---	7.38	98.63	15.53	0.00	83.10
MW-2	03/06/2002	4900	---	260	<25	77	175	---	270	<1300	<50	<50	<50	---	---	---	---	---	---	8.32	364.39	15.07	0.00	349.32
MW-2	06/21/2002	16000	---	1400	590	480	1470	---	1000	2800	44	<4.0	<4.0	<200	---	---	---	---	---	8.54	364.39	16.40	0.00	347.99
MW-2	08/26/2002	60000	---	1000	310	360	1090	---	670	3200	50	<10	<10	---	---	---	---	---	---	---	364.39	15.89	0.00	348.50
MW-2	11/01/2002	9300	---	1500	200	420	1190	---	620	<100	56	<20	<20	<1000	---	---	---	---	---	---	364.39	16.05	0.00	348.34
MW-2	03/05/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.39	15.05	0.00	349.34
MW-2	03/06/2003	10000	---	2900	560	450	1030	---	840	4800	130	<20	<20	<1000	---	---	---	---	---	---	364.39	---	---	---
MW-2	03/06/2003	33000	---	2500	1000	800	2950	---	660	6200	110	<20	<20	<1000	---	---	---	---	---	---	364.39	---	---	---
MW-2	06/03/2003	22000	---	1400	210	360	1080	---	420	3300	92	<40	<40	<2000	---	---	---	---	---	---	364.39	14.00	0.00	350.39
MW-2	09/05/2003	11000	---	1000	53	180	456	---	270	2500	71	<40	<40	<100	---	---	---	---	---	---	364.39	14.45	0.00	349.94
MW-2	11/25/2003	3500	---	10000	660	2200	6100	---	2100	11000	660	<400	<400	---	---	---	---	---	---	---	364.39	14.64	0.00	349.75
MW-2	02/24/2004	23000	---	1600	200	360	920	---	400	2400	100	<40	<40	---	---	---	---	---	---	---	364.39	14.99	0.00	349.40
MW-2	06/03/2004	43000	---	2600	260	550	1470	---	440	2600	120	<40	<40	<2000	---	---	---	---	---	---	364.39	14.40	0.00	349.99
MW-2	08/26/2004	19000	---	1900	100	360	800	---	290	2200	100	<40	<40	---	---	---	---	---	---	---	364.39	14.81	0.00	349.58
MW-2	10/06/2004	12000	---	930	21	120	226	---	90	1700	79	<10	<10	---	---	---	---	---	---	---	364.39	14.76	0.00	349.63
MW-2	01/04/2005	8000	---	1100	23	190	351	---	140	2300	87	<20	<20	---	---	---	---	---	---	---	364.39	13.88	0.00	350.51
MW-2	04/04/2005	5300	---	540	11	160	302	---	100	1500	68	<20	<20	---	---	---	---	---	---	---	364.39	11.64	0.00	352.75
MW-2	07/19/2005	3800	---	510	8.7	95	138.3	---	84	810	43	<10	<10	<500	---	---	---	---	---	---	364.39	12.01	0.00	352.38
MW-2	10/03/2005	1500	---	2100	50	550	942	---	400	1400	100	<10	<10	---	---	---	---	---	---	---	364.39	12.69	0.00	351.70
MW-2	01/09/2006	9300	---	1100	32	420	708	---	220	630	61	<20	<20	---	---	---	---	---	---	1.7	364.39	13.53	0.00	350.86
MW-2	04/03/2006	10000	---	890	120	410	667	---	160	470	55	<20	<20	---	---	---	---	---	---	2.6	364.39	13.60	0.00	350.79
MW-2	07/10/2006	6500	---	56	9.0	47	234	110	---	170	20	<5.0	<5.0	---	1.1	1.0	<0.30	110	---	---	364.39	13.81	0.00	350.58
MW-2	10/09/2006	6700	---	180	28	36	231	---	76	180	25	<1.0	<1.0	---	0.18	0.70	<0.22	100	270	1.2	364.39	14.26	0.00	350.13
MW-2	01/08/2007	1500	---	290	13	28	143	---	79	210	30	<1.0	<1.0	---	---	0.60	<0.11	120	260	1.5	364.39	14.89	0.00	349.50
MW-2	04/09/2007	6600	---	1000	95	79	544	---	220	430	60	<10	<10	---	1.2	0.50	<0.11	73	---	---	364.39	15.21	0.00	349.18
MW-2	07/09/2007	15000	---	1500	290	170	1230	---	490	1700	95	<10	<10	---	1.5	2.0	<0.11	50	130	1.3	364.39	15.20	0.00	349.19
MW-2	10/08/2007	9800	---	2100	160	200	700	---	290	3000	86	<25	<25	---	1.9	2.0	<0.11	13	290	2.7	364.39	15.20	0.00	349.19
MW-2	01/28/2008	6800	---	1800	77	120	416	---	220	3700	110	<20	<20	---	1.1	0.80	0.49	35	390	3.6	364.39	14.54	0.00	349.85
MW-2	05/07/2008	12000	---	1300	25	89	322	---	95	2600	92	<40	<40	---	0.880	1.1	62	1.1	5.6	---	364.39	13.98	0.00	350.41
MW-2	07/07/2008	16000	---	2500	80	230	890	---	220	3300	140	<20	<20	<1000	1.110	1.3	<0.10	<100	-72	2.46	364.39	14.06	0.00	350.33
MW-2	10/03/2008	18000	---	2200	39	230	888	---	150	3500	120	<40	<40	<0.10	808	0.95	<0.10	54	-110	0.18	364.04	14.35	0.00	349.69
MW-2	01/21/2009	7600	2000	1700	<25	99	160	---	89	3300	110	<50	<50	<2.5	---	---	---	---	---	---	364.04	13.97	0.00	350.07
MW-2	04/02/2009	10000	1800	2200	<25	140	360	---	150	3300	110	<50	<50	<2500	---	---	---	---	---	---	364.04	13.98	0.00	350.06
MW-2	07/20/2009	34000	6700	2500	810	140	3100	---	750	2900	130	<40	<40	<2000	---	---	---	---	---	---	364.04	14.63	0.00	349.41
MW-2	10/20/2009	17000	3700	2100	410	130	1300	---	410	3100	110	<40	<40	<2.0	1120	3.3	<0.10	20	-210	0.85	364.04	15.12	0.00	348.92
MW-2	01/26/2010	5500	3100	400	25	12	190	---	490	3000	58	<10	<10	<500	---	---	---	---	---	---	364.04	14.11	0.00	349.93
MW-2	04/07/2010	15000	4300	2200	120	58	820	---	460	3100	110	<10	<10	<500	---	---	---	---	---	---	364.04	14.49	0.00	349.55
MW-2	07/07/2010	15000	6000	3900	89	93	690	---	310	3500	160	<40	<40	<2000	<1000	<20	<0.10	1.5	---	1.78	364.04	14.71	0.00	349.33
MW-2	10/18/2010	22000	9600	6700	110	94	920	---	420	4400	190	<100	<100	<5000	3.8	4.7	---	---	---	---	364.04	15.34	0.00	348.70
MW-2	01/13/2011	13000	15000 d	1700	60	110	1300	---	270	1700	96	<40	<40	<6000	---	---	---	---	---	---	364.04	13.12	0.00	350.92

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-2	04/11/2011	14000	4500 e	2800	24	120	1000	---	280	2900	140	<20	<20	---	---	---	---	---	---	---	364.04	12.95	0.00	351.09
MW-2	07/12/2011	9600	5600	1600	<25	90	530	---	130	1600	84	<50	<50	---	---	---	---	---	---	---	364.04	13.59	0.00	350.45
MW-2	10/06/2011	8500	2100	1900	<10	57	260	---	130	2200	100	<20	<20	---	0.72	1.00	<0.110	60	280	1.67	364.04	14.21	0.00	349.83
MW-2	**01/23/2012**	**9500**	**3900**	**3300**	**<20**	**68**	**250**	**---**	**170**	**3500**	**140**	**<40**	**<40**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**364.39**	**14.70**	0.00	**349.69**
MW-3	08/07/1990	200	---	<0.50	6.0	4.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	09/11/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.70	15.85	0.00	344.85
MW-3	11/16/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.87	15.83	0.00	345.04
MW-3	11/21/1990	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	360.87	---	---	---
MW-3	03/14/1991	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.87	15.63	0.00	345.24
MW-3	03/18/1991	100	---	20	4.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	360.87	---	---	---
MW-3	07/03/1991	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	360.87	15.07	0.00	345.80
MW-3	09/12/1991	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	360.87	15.53	0.00	345.34
MW-3	01/15/1992	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	360.87	---	---	---
MW-3	01/17/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.87	16.12	0.00	344.75
															---	---	---	---	---	---				
MW-4	08/07/1990	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	09/11/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	345.14	13.74	0.00	331.40
MW-4	11/14/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	345.25	13.71	0.00	331.54
MW-4	11/21/1990	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	345.25	---	---	---
MW-4	03/18/1991	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	345.25	13.45	0.00	331.80
MW-4	07/03/1991	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	345.25	12.88	0.00	332.37
MW-4	09/12/1991	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	345.25	13.26	0.00	331.99
MW-4	01/15/1992	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	345.25	---	---	---
MW-4	01/30/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	345.25	13.91	0.00	331.34
MW-4	06/03/1993	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	345.25	13.26	0.00	331.99
MW-4	11/20/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	345.25	12.74	0.00	332.51
MW-4	04/10/1997	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.8	345.25	12.50	0.00	332.75
MW-4	03/30/1998	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.8	345.25	10.51	0.00	334.74
MW-4	08/07/1998	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	2.1	345.25	10.58	0.00	334.67
MW-4	09/25/1998	---	---	<5.0	<5.0	<5.0	<15	---	<20	---	---	---	---	---	---	---	---	---	---	2.2	345.25	10.85	0.00	334.40
MW-4	11/24/1998	<500	---	<0.30	0.76	<0.30	<0.60	19	---	---	---	---	---	---	---	---	---	---	---	2.6	345.25	11.35	0.00	333.90
MW-4	03/30/1999	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	2.1	345.25	11.87	0.00	333.38
MW-4	06/24/1999	<500	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.7	345.25	12.09	0.00	333.16
MW-4	09/16/1999	<500	---	<0.30	<0.30	<0.30	<0.60	<5.0	---	---	---	---	---	---	---	---	---	---	---	2.8	345.25	12.29	0.00	332.96
MW-4	12/27/1999	<500	---	<0.50	<1.0	<1.0	<2.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	2.8	345.25	12.73	0.00	332.52
MW-4	03/24/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	2.5	345.25	12.52	0.00	332.73
MW-4	06/13/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	2.1	345.25	12.66	0.00	332.59
MW-4	09/13/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.6	345.25	12.41	0.00	332.84
MW-4	12/28/2000	<500	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	96.45	13.16	0.00	83.29
MW-4	03/05/2001	<500	---	<0.50	<1.0	<1.0	<1.0	---	1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	9.12	96.45	11.90	0.00	84.55
MW-4	05/03/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.35	96.45	11.77	0.00	84.68

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-4	07/11/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.53	96.45	11.83	0.00	84.62
MW-4	11/07/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	9.07	96.45	12.18	0.00	84.27
MW-4	03/06/2002	<100	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.63	362.19	12.78	0.00	349.41
MW-4	06/21/2002	<100	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	8.00	362.19	13.30	0.00	348.89
MW-4	08/26/2002	<50	---	<1.0	<1.0	<1.0	<1.0	---	<5.0	<50	<10	<10	<10	---	---	---	---	---	---	---	362.19	13.35	0.00	348.84
MW-4	11/01/2002	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.19	13.46	0.00	348.73
MW-4	03/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.19	12.13	0.00	350.06
MW-4	03/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.19	---	---	---
MW-4	06/03/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.19	11.44	0.00	350.75
MW-4	09/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.19	11.96	0.00	350.23
MW-4	11/25/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	362.19	12.23	0.00	349.96
MW-4	02/24/2004	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	362.19	12.44	0.00	349.75
MW-4	06/03/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.19	11.89	0.00	350.30
MW-4	08/26/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.19	12.42	0.00	349.77
MW-4	10/06/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.19	12.45	0.00	349.74
MW-4	01/04/2005	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	362.19	11.65	0.00	350.54
MW-4	04/04/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.19	9.61	0.00	352.58
MW-4	07/19/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.19	9.91	0.00	352.28
MW-4	10/03/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.19	10.52	0.00	351.67
MW-4	01/09/2006	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	362.19	11.19	0.00	351.00
MW-4	04/03/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.19	11.23	0.00	350.96
MW-4	07/10/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.19	11.51	0.00	350.68
MW-4	10/09/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.19	11.83	0.00	350.36
MW-4	01/08/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	361.84	12.31	0.00	349.53
MW-4	04/09/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.84	12.60	0.00	349.24
MW-4	07/09/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.84	12.69	0.00	349.15
MW-4	10/08/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.84	12.75	0.00	349.09
MW-4	01/28/2008	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	361.84	11.94	0.00	349.90
MW-4	05/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.84	11.56	0.00	350.28
MW-4	07/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.84	11.40	0.00	350.44
MW-4	10/03/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.84	11.99	0.00	349.85
MW-4	01/21/2009	71	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<0.10	---	---	---	---	---	---	361.84	11.72	0.00	350.12
MW-4	04/02/2009	89	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	361.84	11.72	0.00	350.12
MW-4	07/20/2009	140	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	361.84	12.10	0.00	349.74
MW-4	10/20/2009	69	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<0.10	0.00843	<0.10	5.3	250	-180	0.28	361.84	12.60	0.00	349.24
MW-4	01/26/2010	130	62	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	361.84	12.00	0.00	349.84
MW-4	04/07/2010	160	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	361.84	12.10	0.00	349.74
MW-4	07/07/2010	83	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	<50	<1.0	---	---	---	---	361.84	12.70	0.00	349.14
MW-4	10/18/2010	92	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	0.00162	<0.10	4.9	230	---	0.66	361.84	12.62	0.00	349.22
MW-4	01/13/2011	74 e	<470	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	<150	---	---	---	---	---	---	361.84	10.85	0.00	350.99
MW-4	04/11/2011	66 e	<470	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	361.84	10.70	0.00	351.14
MW-4	07/12/2011	65 QP	<470	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	361.84	11.22	0.00	350.62

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*TPHd (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260B (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*ETH (µg/L)*	*CH_4 (mg/L)*	*Fe^{2+} (mg/L)*	*NO_3 (mg/L)*	*SO_4 (mg/L)*	*ORP (mV)*	*DO (ppm)*	*TOC (ft MSL)*	*DTW (ft TOC)*	*SPH (ft)*	*GWE (ft MSL)*
MW-4	10/06/2011	83	<470	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	0.0039	<0.100	4.40	260	360	1.47	361.84	11.50	0.00	350.34
MW-4	**01/23/2012**	**63**	**<470**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**362.19**	**12.32**	0.00	**349.87**
																			---	---				
MW-5	08/07/1990	100	---	7.0	20	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	362.48	---	---	---
MW-5	09/11/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.48	17.63	0.00	344.85
MW-5	11/14/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.55	17.80	0.00	344.75
MW-5	11/21/1990	650	---	10	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	362.55	---	---	---
MW-5	03/18/1991	1000	---	40	20	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	362.55	17.62	0.00	344.93
MW-5	07/03/1991	1600	---	100	20	<2.0	10	---	---	---	---	---	---	---	---	---	---	---	---	---	362.55	16.90	0.00	345.65
MW-5	09/12/1991	1300	---	140	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	362.55	17.34	0.00	345.21
MW-5	01/15/1992	600	---	20	5.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	362.55	---	---	---
MW-5	01/30/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.55	18.08	0.00	344.47
MW-5	04/05/1992	<500	---	100	30	5.0	20	---	---	---	---	---	---	---	---	---	---	---	---	---	362.55	17.30	0.00	345.25
MW-5	08/12/1992	---	---	15	8.8	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.55	16.92	0.00	345.63
MW-5	12/16/1992	---	---	<0.30	3.0	<0.30	12.2	---	---	---	---	---	---	---	---	---	---	---	---	---	362.55	17.80	0.00	344.75
MW-5	04/21/1993	<500	---	2.7	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.55	14.54	0.00	348.01
MW-5	06/03/1993	<500	---	1.9	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.55	14.65	0.00	347.90
MW-5	06/03/1993	<500	---	1.9	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.55	14.65	0.00	347.90
MW-5	08/04/1993	---	---	1.2	1.0	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.55	15.02	0.00	347.53
MW-5	11/20/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.55	16.01	0.00	346.54
MW-5	12/01/1993	<500	---	<0.30	2.6	<0.30	1.0	---	---	---	---	---	---	---	---	---	---	---	---	---	362.75	16.10	0.00	346.65
MW-5	01/13/1994	<500	---	<0.30	1.4	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.75	16.44	0.00	346.31
MW-5	03/31/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.75	16.58	0.00	346.17
MW-5	04/07/1994	<500	---	<0.30	0.90	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.75	16.57	0.00	346.18
MW-5	07/07/1994	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.75	16.76	0.00	345.99
MW-5	10/06/1994	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.75	17.28	0.00	345.47
MW-5	01/31/1995	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.75	17.02	0.00	345.73
MW-5	04/06/1995	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	0.8	362.75	15.27	0.00	347.48
MW-5	07/06/1995	<500	---	0.30	0.40	0.50	0.90	---	---	---	---	---	---	---	---	---	---	---	---	2.0	362.75	15.01	0.00	347.74
MW-5	10/05/1995	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	2.8	362.75	15.94	0.00	346.81
MW-5	01/03/1996	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	0.8	362.75	16.82	0.00	345.93
MW-5	04/04/1996	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.8	362.75	16.66	0.00	346.09
MW-5	06/06/1996	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.7	362.75	16.87	0.00	345.88
MW-5	04/10/1997	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.2	362.75	15.89	0.00	346.86
MW-5	03/30/1998	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.5	362.75	13.72	0.00	349.03
MW-5	08/07/1998	<500	---	<0.30	<0.30	<0.30	<0.60	25	---	---	---	---	---	---	---	---	---	---	---	2.1	362.75	13.41	0.00	349.34
MW-5	09/25/1998	---	---	<5.0	<5.0	<5.0	<15	---	51	---	---	---	---	---	---	---	---	---	---	1.9	362.75	13.73	0.00	349.02
MW-5	11/24/1998	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	2.7	362.75	14.33	0.00	348.42
MW-5	03/30/1999	<500	---	<0.30	<0.30	<0.30	<0.60	200	---	---	---	---	---	---	---	---	---	---	---	2.2	362.75	14.40	0.00	348.35
MW-5	06/24/1999	<500	---	<0.50	<1.0	<1.0	<1.0	---	140	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.8	362.75	15.38	0.00	347.37
MW-5	09/16/1999	<500	---	<0.30	<0.30	<0.30	<0.60	550	---	---	---	---	---	---	---	---	---	---	---	2.6	362.75	15.66	0.00	347.09
MW-5	12/27/1999	<500	---	<5.0	<10	<10	<20	---	520	<500	<20	<20	<20	---	---	---	---	---	---	2.6	362.75	15.98	0.00	346.77

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-5	03/24/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	36	<500	<2.0	<2.0	<2.0	---	---	---	---	---	---	2.1	362.75	15.83	0.00	346.92
MW-5	06/13/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	60	<500	<2.0	<2.0	<2.0	---	---	---	---	---	---	2.2	362.75	15.76	0.00	346.99
MW-5	09/13/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	8.1	<500	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.6	362.75	15.95	0.00	346.80
MW-5	12/28/2000	<500	---	<0.50	<1.0	<1.0	<1.0	---	24	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	99.85	16.45	0.00	83.40
MW-5	03/05/2001	<500	---	<0.50	<1.0	<1.0	<1.0	---	3.4	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	9.73	99.85	15.58	0.00	84.27
MW-5	05/03/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	4.6	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	10.27	99.85	14.94	0.00	84.91
MW-5	07/11/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	26	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.07	99.85	15.05	0.00	84.80
MW-5	11/07/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	16	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.79	99.85	15.46	0.00	84.39
MW-5	03/06/2002	<100	---	<0.50	<1.0	<1.0	<1.0	---	13	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.93	365.59	16.10	0.00	349.49
MW-5	06/21/2002	<100	---	<0.50	<1.0	<1.0	<1.0	---	6.4	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	9.67	365.59	16.65	0.00	348.94
MW-5	08/26/2002	<50	---	<1.0	<1.0	<1.0	<1.0	---	10	<50	<10	<10	<10	---	---	---	---	---	---	---	365.59	16.74	0.00	348.85
MW-5	11/01/2002	<50	---	<0.50	<1.0	<1.0	<1.0	---	20	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	365.59	16.90	0.00	348.69
MW-5	03/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	365.59	15.91	0.00	349.68
MW-5	03/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	2.7	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	365.59	---	---	---
MW-5	06/03/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.2	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	365.59	14.78	0.00	350.81
MW-5	09/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	3.9	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	365.59	15.15	0.00	350.44
MW-5	11/25/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	4.6	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	365.59	15.37	0.00	350.22
MW-5	02/24/2004	66 A	---	<0.50	<1.0	<1.0	<1.0	---	80	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	365.59	15.88	0.00	349.71
MW-5	06/03/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.59	15.23	0.00	350.36
MW-5	08/26/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.59	15.65	0.00	349.94
MW-5	10/06/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.59	15.75	0.00	349.84
MW-5	01/04/2005	<50	---	<0.50	<1.0	<1.0	<1.0	---	20	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	365.59	14.96	0.00	350.63
MW-5	04/04/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.59	12.26	0.00	353.33
MW-5	07/19/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.59	12.44	0.00	353.15
MW-5	10/03/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.59	13.23	0.00	352.36
MW-5	01/09/2006	64	---	<0.50	<0.50	<0.50	<1.0	---	87	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	365.59	14.04	0.00	351.55
MW-5	04/03/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.59	14.36	0.00	351.23
MW-5	07/10/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.59	14.42	0.00	351.17
MW-5	10/09/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.59	14.88	0.00	350.71
MW-5	01/08/2007	52	<470	<0.50	<0.50	<0.50	<1.0	---	69	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	365.24	15.51	0.00	349.73
MW-5	04/09/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.24	15.97	0.00	349.27
MW-5	07/09/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.24	16.31	0.00	348.93
MW-5	10/08/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.24	16.39	0.00	348.85
MW-5	01/28/2008	<50	---	<0.50	<0.50	<0.50	<1.0	---	4.4	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	365.24	15.65	0.00	349.59
MW-5	05/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.24	14.94	0.00	350.30
MW-5	07/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.24	14.90	0.00	350.34
MW-5	10/03/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.24	15.29	0.00	349.95
MW-5	01/21/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	22	<10	<2.0	<2.0	<2.0	<0.10	---	---	---	---	---	---	365.24	15.08	0.00	350.16
MW-5	04/02/2009	58	<50	<0.50	<1.0	<1.0	<1.0	---	40	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	365.24	14.79	0.00	350.45
MW-5	07/20/2009	100	<50	<0.50	<1.0	<1.0	<1.0	---	60	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	365.24	15.55	0.00	349.69
MW-5	10/20/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	30	<10	<2.0	<2.0	<2.0	<0.10	<0.00100	<0.10	2.0	410	-180	2.87	365.24	16.19	0.00	349.05
MW-5	01/26/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	365.24	16.46	0.00	348.78

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*TPHd (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260B (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*ETH (µg/L)*	*CH_4 (mg/L)*	*Fe^{2+} (mg/L)*	*NO_3 (mg/L)*	*SO_4 (mg/L)*	*ORP (mV)*	*DO (ppm)*	*TOC (ft MSL)*	*DTW (ft TOC)*	*SPH (ft)*	*GWE (ft MSL)*
MW-5	04/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	1.6	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	365.24	15.50	0.00	349.74
MW-5	07/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	3.0	<10	<2.0	<2.0	<2.0	120	<50	5.8	---	---	---	---	365.24	16.05	0.00	349.19
MW-5	10/18/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	5.2	<10	<2.0	<2.0	<2.0	<100	<0.00100	<0.10	2.5	390	---	1.68	365.24	16.31	0.00	348.93
MW-5	01/13/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	<150	---	---	---	---	---	---	365.24	13.84	0.00	351.40
MW-5	04/11/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	3.6	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	365.24	13.77	0.00	351.47
MW-5	07/12/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	7.6	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	365.24	14.20	0.00	351.04
MW-5	10/06/2011	<50	<480	<0.50	<0.50	<0.50	<1.0	---	9.8	<10	<1.0	<1.0	<1.0	---	<0.0010	<0.100	2.10	290	420	1.91	365.24	12.32	0.00	352.92
MW-5	**01/23/2012**	**<50**	**<470**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**29**	**<10**	**<1.0**	**<1.0**	**<1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**365.59**	**15.52**	0.00	**350.07**
																			---	---				
MW-6	08/07/1990	2800	---	400	100	<2.0	70	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	09/11/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.45	16.70	0.00	344.75
MW-6	11/14/1990	2000	---	100	60	15	60	---	---	---	---	---	---	---	---	---	---	---	---	---	361.52	16.75	0.00	344.77
MW-6	03/18/1991	3500	---	300	20	30	100	---	---	---	---	---	---	---	---	---	---	---	---	---	361.52	16.45	0.00	345.07
MW-6	07/03/1991	4300	---	400	90	50	100	---	---	---	---	---	---	---	---	---	---	---	---	---	361.52	15.89	0.00	345.63
MW-6	09/12/1991	3600	---	<0.50	100	30	100	---	---	---	---	---	---	---	---	---	---	---	---	---	361.52	16.33	0.00	345.19
MW-6	01/30/1992	2000	---	40	4.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	361.52	16.96	0.00	344.56
MW-6	04/05/1992	1100	---	2500	300	200	400	---	---	---	---	---	---	---	---	---	---	---	---	---	361.52	15.57	0.00	345.95
MW-6	08/12/1992	---	---	1058.3	111.4	124	196	---	---	---	---	---	---	---	---	---	---	---	---	---	361.52	16.00	0.00	345.52
MW-6	12/16/1992	---	---	419.2	32.3	58.9	76.4	---	---	---	---	---	---	---	---	---	---	---	---	---	361.52	16.78	0.00	344.74
MW-6	04/21/1993	6400	---	214.3	67.5	129.6	196.3	---	---	---	---	---	---	---	---	---	---	---	---	---	361.52	13.99	0.00	347.53
MW-6	06/03/1993	4600	---	520.9	37.4	87.3	89.9	---	---	---	---	---	---	---	---	---	---	---	---	---	361.52	14.14	0.00	347.38
MW-6	11/20/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.52	15.39	0.00	346.13
MW-6	12/01/1993	1300	---	69.8	15.9	14	20	---	---	---	---	---	---	---	---	---	---	---	---	---	361.70	15.61	0.00	346.09
MW-6	01/13/1994	1300	---	82.5	13.9	15.2	15.9	---	---	---	---	---	---	---	---	---	---	---	---	---	361.70	15.75	0.00	345.95
MW-6	03/31/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.70	15.85	0.00	345.85
MW-6	04/07/1994	1700	---	82.3	17.4	8.4	3.8	---	---	---	---	---	---	---	---	---	---	---	---	---	361.70	15.67	0.00	346.03
MW-6	07/07/1994	<500	---	17	2.5	1.2	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	361.70	15.99	0.00	345.71
MW-6	10/06/1994	<500	---	32.1	7.1	3.5	3.6	---	---	---	---	---	---	---	---	---	---	---	---	---	361.70	16.53	0.00	345.17
MW-6	01/31/1995	2100	---	228.3	22.2	52.8	49.9	---	---	---	---	---	---	---	---	---	---	---	---	---	361.70	15.64	0.00	346.06
MW-6	04/06/1995	1000	---	66.3	9.5	9.2	8.3	---	---	---	---	---	---	---	---	---	---	---	---	1.0	361.70	14.15	0.00	347.55
MW-6	07/06/1995	1900	---	153.1	13.5	22.4	20.2	---	---	---	---	---	---	---	---	---	---	---	---	1.8	361.70	14.33	0.00	347.37
MW-6	10/05/1995	1000	---	15.4	5.9	4.1	2.4	---	---	---	---	---	---	---	---	---	---	---	---	2.8	361.70	15.45	0.00	346.25
MW-6	01/03/1996	900	---	20	6.7	8.6	3.2	---	---	---	---	---	---	---	---	---	---	---	---	0.9	361.70	16.42	0.00	345.28
MW-6	04/04/1996	900	---	22.5	11.1	5.5	5.9	310	---	---	---	---	---	---	---	---	---	---	---	1.3	361.70	15.65	0.00	346.05
MW-6	06/06/1996	900	---	35	6.2	6.3	6	430	---	---	---	---	---	---	---	---	---	---	---	1.8	361.70	15.92	0.00	345.78
MW-6	10/17/1996	<500	---	25	4.7	6	7.7	510	---	---	---	---	---	---	---	---	---	---	---	0.9	361.70	16.25	0.00	345.45
MW-6	12/19/1996	<500	---	22	6	5.6	4.7	490	---	---	---	---	---	---	---	---	---	---	---	2.2	361.70	15.88	0.00	345.82
MW-6	04/10/1997	540	---	46	7.1	13	12	530	---	---	---	---	---	---	---	---	---	---	---	1.7	361.70	14.99	0.00	346.71
MW-6	07/24/1997	650	---	23	3.4	8.7	8.8	630	---	---	---	---	---	---	---	---	---	---	---	0.5	361.70	14.86	0.00	346.84
MW-6	10/14/1997	1000	---	23	6.9	6.9	9.4	500	---	---	---	---	---	---	---	---	---	---	---	0.8	361.70	15.17	0.00	346.53
MW-6	02/06/1998	<500	---	10	4.0	4.0	7.0	186	---	---	---	---	---	---	---	---	---	---	---	1.3	361.70	14.40	0.00	347.30
MW-6	03/30/1998	600	---	43	6.2	19	21	400	---	---	---	---	---	---	---	---	---	---	---	1.4	361.70	12.81	0.00	348.89

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-6	08/07/1998	<500	---	51	3.3	5.3	2.4	210	---	---	---	---	---	---	---	---	---	---	---	2.0	361.70	13.74	0.00	347.96
MW-6	09/25/1998	---	---	5.7	<5.0	<5.0	<15	---	170	---	---	---	---	---	---	---	---	---	---	1.3	361.70	13.21	0.00	348.49
MW-6	11/24/1998	<500	---	5.9	5.1	3.5	7.5	210	---	---	---	---	---	---	---	---	---	---	---	2.0	361.70	13.80	0.00	347.90
MW-6	03/30/1999	<500	---	3.6	5.5	3.5	4.9	340	---	---	---	---	---	---	---	---	---	---	---	1.6	361.70	14.35	0.00	347.35
MW-6	06/24/1999	<500	---	3.8	<5.0	<5.0	<5.0	---	180	<250	33	<10	<10	---	---	---	---	---	---	1.4	361.70	14.84	0.00	346.86
MW-6	09/16/1999	<500	---	0.6	<0.30	0.6	0.6	150	---	---	---	---	---	---	---	---	---	---	---	2.7	361.70	14.83	0.00	346.87
MW-6	12/27/1999	<500	---	2.4	<2.0	<2.0	2.5	---	140	120	31	<4.0	<4.0	---	---	---	---	---	---	2.0	361.70	15.23	0.00	346.47
MW-6	03/24/2000	<500	---	14	<1.0	4.2	3.0	---	130	140	29	<2.0	<2.0	---	---	---	---	---	---	1.8	361.70	15.04	0.00	346.66
MW-6	06/13/2000	<500	---	7.3	<1.0	<1.0	<2.0	---	130	86	27	<2.0	<2.0	---	---	---	---	---	---	1.0	361.70	15.70	0.00	346.00
MW-6	09/13/2000	191	---	1.2	<1.0	1.0	1.0	---	110	54	28	<2.0	<2.0	---	---	---	---	---	---	1.8	361.70	14.92	0.00	346.78
MW-6	12/28/2000	<500	---	1.3	<1.0	<1.0	<1.0	---	110	110	18	<2.0	<2.0	---	---	---	---	---	---	---	99.02**	15.14	0.00	83.88
MW-6	03/05/2001	<500	---	1.8	<1.0	<1.0	<1.0	---	89	67	16	<2.0	<2.0	---	---	---	---	---	---	8.5	99.02**	13.96	0.00	85.06
MW-6	05/03/2001	260	---	9.5	<1.0	1.7	1.3	---	150	150	26	<2.0	<2.0	---	---	---	---	---	---	10.75	99.02**	14.04	0.00	84.98
MW-6	07/11/2001	360	---	1.9	<1.0	<1.0	<1.0	---	200	160	32	<2.0	<2.0	---	---	---	---	---	---	8.34	99.02**	14.55	0.00	84.47
MW-6	11/07/2001	180	---	0.80	<1.0	<1.0	<1.0	---	190	200	36	<2.0	<2.0	---	---	---	---	---	---	7.89	99.02**	14.66	0.00	84.36
MW-6	03/06/2002	230	---	1.80	<1.0	1.1	<1.0	---	130	140	20	<2.0	<2.0	---	---	---	---	---	---	8.81	364.75	15.30	0.00	349.45
MW-6	06/21/2002	360	---	7.3	<1.0	1.4	<1.0	---	120	110	19	<2.0	<2.0	<100	---	---	---	---	---	8.23	364.75	16.28	0.00	348.47
MW-6	08/26/2002	200	---	<1.0	<1.0	<1.0	<1.0	---	67	100	30	<10	<10	---	---	---	---	---	---	---	364.75	15.90	0.00	348.85
MW-6	11/01/2002	68	---	<0.50	<1.0	<1.0	<1.0	---	44	110	13	<2.0	<2.0	<100	---	---	---	---	---	---	364.75	16.10	0.00	348.65
MW-6	03/05/2003	72	---	0.56	<1.0	<1.0	<1.0	---	38	270	22	<2.0	<2.0	<100	---	---	---	---	---	---	364.25	14.38	0.00	349.87
MW-6	03/05/2003	200	---	7.0	<1.0	<1.0	<1.0	---	50	440	31	<2.0	<2.0	<100	---	---	---	---	---	---	364.25	---	---	---
MW-6	06/03/2003	210	---	11	<1.0	2.1	1.8	---	72	310	26	<2.0	<2.0	<100	---	---	---	---	---	---	364.25	13.50	0.00	350.75
MW-6	09/05/2003	230	---	4.7	<1.0	1.2	<1.0	---	62	200	20	<2.0	<2.0	<100	---	---	---	---	---	---	364.25	13.85	0.00	350.40
MW-6	11/25/2003	71	---	1.8	<1.0	<1.0	<1.0	---	26	40	9.6	<2.0	<2.0	---	---	---	---	---	---	---	364.25	14.13	0.00	350.12
MW-6	02/24/2004	330	---	5.5	<1.0	1.2	<1.0	---	54	240	33	<2.0	<2.0	---	---	---	---	---	---	---	364.25	14.62	0.00	349.63
MW-6	06/03/2004	270	---	3.6	<1.0	<1.0	<1.0	---	37	170	23	<2.0	<2.0	<100	---	---	---	---	---	---	364.25	13.98	0.00	350.27
MW-6	08/26/2004	260	---	3.0	<1.0	<1.0	<1.0	---	35	230	31	<2.0	<2.0	---	---	---	---	---	---	---	364.25	14.35	0.00	349.90
MW-6	10/06/2004	240	---	4.4	<1.0	1.2	<1.0	---	35	300	32	<2.0	<2.0	---	---	---	---	---	---	---	364.25	14.43	0.00	349.82
MW-6	01/04/2005	230	---	4.0	<1.0	1.3	1.2	---	29	250	27	<2.0	<2.0	---	---	---	---	---	---	---	364.25	13.25	0.00	351.00
MW-6	04/04/2005	640	---	10	<1.0	6.8	3.5	---	36	200	20	<2.0	<2.0	---	---	---	---	---	---	---	364.25	11.18	0.00	353.07
MW-6	07/19/2005	420	---	0.98	<1.0	1.6	<1.0	---	26	120	12	<2.0	<2.0	<100	---	---	---	---	---	---	364.25	11.59	0.00	352.66
MW-6	10/03/2005	440	---	<0.50	<1.0	<1.0	<1.0	---	20	84	10	<2.0	<2.0	---	---	---	---	---	---	---	364.25	12.24	0.00	352.01
MW-6	01/09/2006	470	---	<0.50	<0.50	0.54	<1.0	---	26	97	13	<1.0	<1.0	---	---	---	---	---	---	1.4	364.25	13.05	0.00	351.20
MW-6	04/03/2006	410	---	1.4	<0.50	1.4	<1.0	---	30	100	15	<1.0	<1.0	---	---	---	---	---	---	3.3	364.25	13.13	0.00	351.12
MW-6	07/10/2006	430	---	<0.50	<0.50	0.57	<1.50	35	---	92	10	<1.0	<1.0	---	1.2	0.40	<0.15	130	---	---	364.25	13.33	0.00	350.92
MW-6	10/09/2006	330	---	<0.50	<0.50	<0.50	<1.0	---	27	120	13	<1.0	<1.0	---	0.16	0.30	<0.11	130	260	1.9	364.25	13.86	0.00	350.39
MW-6	01/08/2007	370	---	<0.50	<0.50	<0.50	<1.0	---	35	120	14	<1.0	<1.0	---	---	0.20	<0.11	140	260	2.1	364.40	14.30	0.00	350.10
MW-6	04/09/2007	200	---	2.4	<0.50	<0.50	<1.0	---	35	87	12	<1.0	<1.0	---	0.28	0.40	<0.11	140	---	---	364.40	14.65	0.00	349.75
MW-6	07/09/2007	260	---	11	<0.50	0.51	<1.0	---	51	200	16	<1.0	<1.0	---	0.22	0.40	<0.11	200	140	2.2	364.40	14.83	0.00	349.57
MW-6	10/08/2007	230	---	<0.50	<0.50	<0.50	<1.0	---	52	180	13	<1.0	<1.0	---	0.14	0.60	0.13	180	330	3.1	364.40	14.73	0.00	349.67
MW-6	01/28/2008	340	---	6.3	<0.50	0.50	<1.0	---	44	220	13	<1.0	<1.0	---	0.21	0.60	<0.22	200	260	1.8	364.40	14.03	0.00	350.37
MW-6	05/07/2008	610	---	21	<1.0	2.0	<1.0	---	52	490	22	<2.0	<2.0	---	0.249	0.41	190	14	7.02	---	364.40	13.61	0.00	350.79

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*TPHd (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260B (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*ETH (µg/L)*	*CH_4 (mg/L)*	*Fe^{2+} (mg/L)*	*NO_3 (mg/L)*	*SO_4 (mg/L)*	*ORP (mV)*	*DO (ppm)*	*TOC (ft MSL)*	*DTW (ft TOC)*	*SPH (ft)*	*GWE (ft MSL)*
MW-6	07/07/2008	390	---	15	<1.0	1.7	1.0	---	46	240	20	<2.0	<2.0	<100	0.173	0.39	<0.10	230	-50	3.30	364.40	13.56	0.00	350.84
MW-6	10/03/2008	150	---	2.0	<1.0	<1.0	<1.0	---	27	62	5.6	<2.0	<2.0	<0.10	<1.00	0.33	<0.10	220	-69	0.17	364.40	14.18	0.00	350.22
MW-6	01/21/2009	350	93	3.9	<1.0	<1.0	<1.0	---	24	230	15	<2.0	<2.0	<0.10	---	---	---	---	---	---	364.40	13.65	0.00	350.75
MW-6	04/02/2009	290	63	9.0	<1.0	1.2	<1.0	---	31	120	11	<2.0	<2.0	<100	---	---	---	---	---	---	364.40	13.57	0.00	350.83
MW-6	07/20/2009	360	59	3.8	<1.0	<1.0	<1.0	---	38	200	16	<2.0	<2.0	<100	---	---	---	---	---	---	364.40	14.23	0.00	350.17
MW-6	10/20/2009	300	65	1.3	<1.0	<1.0	<1.0	---	28	220	17	<2.0	<2.0	<0.10	0.00297	0.38	<0.10	140	-150	2.86	364.40	14.81	0.00	349.59
MW-6	01/26/2010	450	92	47	<1.0	8.1	1.5	---	31	360	15	<2.0	<2.0	<100	---	---	---	---	---	---	364.40	14.33	0.00	350.07
MW-6	04/07/2010	750	77	39	<1.0	12	2.7	---	44	520	23	<2.0	<2.0	<100	---	---	---	---	---	---	364.40	14.12	0.00	350.28
MW-6	07/07/2010	360	72	11	<1.0	1.9	<1.0	---	25	480	31	<2.0	<2.0	<100	<50	<1.0	---	---	---	---	364.40	14.33	0.00	350.07
MW-6	10/18/2010	420	170	3.8	<1.0	<1.0	<1.0	---	21	320	24	<2.0	<2.0	<0.100	0.0933	0.58	<0.10	150	---	1.45	364.40	14.98	0.00	349.42
MW-6	01/13/2011	910	<470	290	4.2	41	23	---	56	500	21	<5.0	<5.0	<750	---	---	---	---	---	---	364.40	12.80	0.00	351.60
MW-6	04/11/2011	440	<470	17	<0.50	3.2	1.1	---	20	360	28	<1.0	<1.0	---	---	---	---	---	---	---	364.40	12.55	0.00	351.85
MW-6	07/12/2011	240	<470	4.8	<0.50	1.2	<1.0	---	18	150	16	<1.0	<1.0	---	---	---	---	---	---	---	364.40	13.18	0.00	351.22
MW-6	10/06/2011	340	<470	3.8	<0.50	0.80	<1.0	---	20	190	19	<1.0	<1.0	---	0.07	0.300	<0.110	130	330	1.56	364.40	13.51	0.00	350.89
MW-6	**01/23/2012**	**230**	**<470**	**1.5**	**<0.50**	**<0.50**	**<1.0**	**---**	**15**	**190**	**13**	**<1.0**	**<1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**364.25**	**14.36**	0.00	**349.89**
MW-7	09/11/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.95	17.48	1.64	344.78
MW-7	11/16/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.95	17.18	1.37	344.81
MW-7	03/14/1991	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.95	18.03	1.43	344.02
MW-7	12/27/1991	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.95	17.23	1.04	344.50
MW-7	04/05/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.95	15.38	0.02	345.59
MW-7	12/16/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.95	17.08	0.00	343.87
MW-7	08/04/1993	---	---	4815.8	6368.7	688.3	6827.8	---	---	---	---	---	---	---	---	---	---	---	---	---	360.95	14.89	0.00	346.06
MW-7	11/20/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.95	14.86	0.00	346.09
MW-7	12/01/1993	1200	---	5.6	80.2	4.5	3.9	---	---	---	---	---	---	---	---	---	---	---	---	---	361.01	15.17	0.00	345.84
MW-7	01/13/1994	7700	---	433.7	598.4	182.8	1099.6	---	---	---	---	---	---	---	---	---	---	---	---	---	361.01	15.26	0.00	345.75
MW-7	03/31/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.01	15.28	0.00	345.73
MW-7	04/07/1994	4700	---	170.3	253.9	85	396.3	---	---	---	---	---	---	---	---	---	---	---	---	---	361.01	15.06	0.00	345.95
MW-7	07/07/1994	19700	---	191.8	500.8	165.5	943.9	---	---	---	---	---	---	---	---	---	---	---	---	---	361.01	15.33	0.00	345.68
MW-7	10/06/1994	8800	---	414.1	694.8	194.8	919.4	---	---	---	---	---	---	---	---	---	---	---	---	---	361.01	15.97	0.00	345.04
MW-7	01/31/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.01	14.96	0.00	346.05
MW-7	04/06/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.01	13.48	0.00	347.53
MW-7	07/06/1995	10700	---	618	803	278.6	1355.7	---	---	---	---	---	---	---	---	---	---	---	---	0.9	361.01	14.92	0.00	346.09
MW-7	10/05/1995	6500	---	195.6	290.5	133.8	640.3	---	---	---	---	---	---	---	---	---	---	---	---	2.2	361.01	15.05	0.00	345.96
MW-7	01/03/1996	14300	---	521.3	484.5	261	1508.7	---	---	---	---	---	---	---	---	---	---	---	---	0.9	361.01	15.94	0.00	345.07
MW-7	04/04/1996	5500	---	118.2	179.8	99	401.5	---	---	---	---	---	---	---	---	---	---	---	---	1.0	361.01	15.06	0.00	345.95
MW-7	10/17/1996	4800	---	120	180	110	520	950	---	---	---	---	---	---	---	---	---	---	---	0.8	361.01	15.63	0.00	345.38
MW-7	12/19/1996	2300	---	66	78	51	220	980	---	---	---	---	---	---	---	---	---	---	---	1.6	361.01	15.26	0.00	345.75
MW-7	04/10/1997	<500	---	62	94	43	200	<1000	---	---	---	---	---	---	---	---	---	---	---	1.1	361.01	14.39	0.00	346.62
MW-7	07/24/1997	2100	---	48	55	34	112	1100	---	---	---	---	---	---	---	---	---	---	---	1.5	361.01	14.24	0.00	346.77
MW-7	02/06/1998	2600	---	118	98	77	285	384	---	---	---	---	---	---	---	---	---	---	---	1.4	361.01	13.83	0.00	347.18
MW-7	03/30/1998	3200	---	200	140	90	330	600	---	---	---	---	---	---	---	---	---	---	---	1.3	361.01	12.23	0.00	348.78

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-7	08/07/1998	8000	---	500	460	200	1000	2400	2600	---	---	---	---	---	---	---	---	---	---	0.8	361.01	13.78	0.00	347.23
MW-7	09/25/1998	---	---	11	8.1	6.3	<15	---	240	---	---	---	---	---	---	---	---	---	---	1.5	361.01	12.73	0.00	348.28
MW-7	11/24/1998	16000	---	110	46	32	160	2900	2390	---	---	---	---	---	---	---	---	---	---	1.7	361.01	13.24	0.00	347.77
MW-7	03/30/1999	3000	---	220	300	380	3000	3400	---	---	---	---	---	---	---	---	---	---	---	2.2	361.01	13.81	0.00	347.20
MW-7	06/24/1999	5300	---	370	210	170	680	---	1700	<500	52	<20	<20	---	---	---	---	---	---	1.4	361.01	14.69	0.00	346.32
MW-7	09/16/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.01	14.27	0.00	346.74
MW-7	12/27/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.01	14.67	0.00	346.34
MW-7	03/24/2000	4600	---	150	42	83	173	---	4100	<1000	49	<40	<40	---	---	---	---	---	---	1.2	361.01	14.45	0.00	346.56
MW-7	06/13/2000	8600	---	<25	<50	<50	<100	---	7100	10000	<100	<100	<100	---	---	---	---	---	---	1.3	361.01	15.80	0.00	345.21
MW-7	09/13/2000	8000	---	110	<100	<100	110	---	6200	13000	<200	<200	<200	---	---	---	---	---	---	1.7	361.01	14.14	0.00	346.87
MW-7	12/28/2000	6400	---	<50	<100	<100	<100	---	6900	33000	<200	<200	<200	---	---	---	---	---	---	---	98.05	15.04	0.00	83.01
MW-7	03/05/2001	3000	---	<100	<200	<200	<200	---	5100	14000	<400	<400	<400	---	---	---	---	---	---	9.31	98.05	13.86	0.00	84.19
MW-7	05/03/2001	3600	---	<100	<200	<200	<200	---	5600	25000	<400	<400	<400	---	---	---	---	---	---	9.34	98.05	13.61	0.00	84.44
MW-7	07/11/2001	3300	---	48	<50	<50	<50	---	5800	19000	<100	<100	<100	---	---	---	---	---	---	9.29	98.05	13.34	0.00	84.71
MW-7	11/07/2001	3800	---	54	13	39	47	---	5300	23000	<20	<20	<20	---	---	---	---	---	---	4.58	98.05	14.08	0.00	83.97
MW-7	03/06/2002	1500	---	11	9.5	12	24.6	---	4900	19000	13	2.4	<2.0	---	---	---	---	---	---	10.52	363.79	14.70	0.00	349.09
MW-7	06/21/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	363.79	---	---	---
MW-7	08/26/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	363.79	---	---	---
MW-7	11/01/2002	2400	---	1.1	<1.0	1.6	3.6	---	27	200	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.79	15.50	0.00	348.29
MW-7	03/05/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	363.79	14.33	0.00	349.46
MW-7	03/06/2003	2000	---	28	<1.0	24	9.8	---	39	190	6.1	<2.0	<2.0	<100	---	---	---	---	---	---	363.79	---	---	---
MW-7	03/06/2003	3100	---	59	20	69	190	---	2400	5800	17	<2.0	<2.0	<100	---	---	---	---	---	---	363.79	---	---	---
MW-7	06/03/2003	1000	---	27	<20	25	48	---	1700	4100	<40	<40	<40	<2000	---	---	---	---	---	---	363.79	13.40	0.00	350.39
MW-7	09/05/2003	1600	---	27	<20	22	40	---	1100	1900	<40	<40	<40	<100	---	---	---	---	---	---	363.79	13.66	0.00	350.13
MW-7	11/25/2003	1100	---	14	<20	<20	<20	---	1000	1100	<40	<40	<40	---	---	---	---	---	---	---	363.79	14.05	0.00	349.74
MW-7	02/24/2004	1600	---	43	<20	<20	26	---	1100	2000	<40	<40	<40	---	---	---	---	---	---	---	363.79	14.39	0.00	349.40
MW-7	06/03/2004	1200	---	32	<20	<20	<20	---	840	1100	<40	<40	<40	<2000	---	---	---	---	---	---	363.79	13.80	0.00	349.99
MW-7	08/26/2004	1400	---	36	<5.0	13	15	---	630	910	27	<10	<10	---	---	---	---	---	---	---	363.79	14.22	0.00	349.57
MW-7	10/06/2004	1000	---	45	<5.0	18	28.7	---	560	1200	33	<10	<10	---	---	---	---	---	---	---	363.79	14.30	0.00	349.49
MW-7	01/04/2005	1100	---	44	6.9	26	44.0	---	380	870	28	<10	<10	---	---	---	---	---	---	---	363.79	13.29	0.00	350.50
MW-7	04/04/2005	1700	---	48	6.0	61	69.3	---	120	810	28	<2.0	<2.0	---	---	---	---	---	---	---	363.79	11.15	0.00	352.64
MW-7	07/19/2005	1200	---	44	6.8	53	58.6	---	39	520	48	<2.0	<2.0	<100	---	---	---	---	---	---	363.79	11.46	0.00	352.33
MW-7	10/03/2005	2000	---	79	4.3	89	61.4	---	43	770	65	<2.0	<2.0	---	---	---	---	---	---	---	363.79	12.21	0.00	351.58
MW-7	01/09/2006	2300	---	95	12	100	111	---	52	810	65	<1.0	<1.0	---	---	---	---	---	---	1.2	363.79	13.04	0.00	350.75
MW-7	04/03/2006	1200	---	34	5.1	30	70	---	58	550	68	<2.0	<2.0	---	---	---	---	---	---	7.5	363.79	13.04	0.00	350.75
MW-7	07/10/2006	930	---	17	5.1	14	36.9	39	---	420	54	<1.0	<1.0	---	0.80	1.0	<0.30	78	---	---	363.79	13.28	0.00	350.51
MW-7	10/09/2006	970	---	18	3.6	12	29.3	---	45	330	53	<1.0	<1.0	---	0.10	0.50	0.62	79	260	2.0	363.79	13.76	0.00	350.03
MW-7	01/08/2007	1100	---	14	1.4	7.9	15.3	---	70	320	66	<1.0	<1.0	---	---	0.40	1.3	77	250	1.9	363.79	14.40	0.00	349.39
MW-7	04/09/2007	350	---	6.5	<1.0	3.7	5.9	---	33	260	67	<2.0	<2.0	---	0.50	0.80	0.18	64	---	---	363.79	14.55	0.00	349.24
MW-7	07/09/2007	530	---	13	0.59	6.4	10.5	---	39	270	50	<1.0	<1.0	---	0.31	0.40	0.54	71	140	3.2	363.79	14.63	0.00	349.16
MW-7	10/08/2007	1500	---	70	2.4	28	17.3	---	41	390	47	<1.0	<1.0	---	1.2	1.0	<0.11	17	300	2.1	363.79	14.60	0.00	349.19
MW-7	01/28/2008	1300	---	37	1.3	11	12.3	---	45	290	40	<1.0	<1.0	---	0.62	0.60	1.20	54	290	1.7	363.79	14.00	0.00	349.79

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-7	05/07/2008	1300	---	38	1.2	14	19.3	---	29	210	41	<2.0	<2.0	---	0.0787	0.76	61	-58	6.37	---	363.79	13.41	0.00	350.38
MW-7	07/07/2008	660	---	26	<1.0	8.8	11.4	---	24	210	38	<2.0	<2.0	<100	0.351	0.72	<0.10	84	-28	3.09	363.79	13.33	0.00	350.46
MW-7	10/03/2008	560	---	7.8	<1.0	2.3	2.3	---	24	210	30	<2.0	<2.0	<0.10	68.4	0.52	<0.10	72	-59	0.29	363.44	13.90	0.00	349.54
MW-7	01/21/2009	710	170	26	<1.0	8.8	7.5	---	18	220	31	<2.0	<2.0	<0.10	---	---	---	---	---	---	363.44	13.05	0.00	350.39
MW-7	04/02/2009	1200	530	53	2.7	12	35	---	32	240	32	<2.0	<2.0	<100	---	---	---	---	---	---	363.44	13.47	0.00	349.97
MW-7	07/20/2009	4600	1500	150	83	200	360	---	42	200	26	<4.0	<4.0	<200	---	---	---	---	---	---	363.44	14.04	0.00	349.40
MW-7	10/20/2009	2600	3400	3.1	<2.0	6.2	16	---	27	79	6.3	<4.0	<4.0	<0.2	0.00495	3.3	0.21	100	-160	0.93	363.44	14.71	0.00	348.73
MW-7	01/26/2010	860	470	<0.50	1.7	8.1	46	---	2.3	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.44	14.11	0.00	349.33
MW-7	04/07/2010	840	390	<0.50	<1.0	9.7	40	---	2.4	14	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.44	13.99	0.00	349.45
MW-7	07/07/2010	390	250	<0.50	<1.0	4.5	13	---	3.0	16	<2.0	<2.0	<2.0	<100	<50	<1.0	---	---	---	---	363.44	14.23	0.00	349.21
MW-7	10/18/2010	410	140	<0.50	<1.0	1.5	3.1	---	4.4	21	<2.0	<2.0	<2.0	<0.100	0.0378	0.20	0.14	83	---	0.91	363.44	14.79	0.00	348.65
MW-7	01/13/2011	300	590	<0.50	<0.50	2.1	4.8	---	5.6	26	2.7	<1.0	<1.0	<150	---	---	---	---	---	---	363.44	12.56	0.00	350.88
MW-7	04/11/2011	260	<470	<0.50	<0.50	<0.50	4.6	---	5.7	30	3.8	<1.0	<1.0	---	---	---	---	---	---	---	363.44	12.50	0.00	350.94
MW-7	07/12/2011	190	<470	<0.50	<0.50	1.0	2.4	---	4.9	25	3.8	<1.0	<1.0	---	---	---	---	---	---	---	363.44	13.26	0.00	350.18
MW-7	10/06/2011	220	<470	<0.50	<0.50	0.80	1.7	---	5.6	28	5.5	<1.0	<1.0	---	0.081	<0.100	0.42	91	350	0.80	363.44	13.39	0.00	350.05
MW-7	**01/23/2012**	**200**	**<500**	**<0.50**	**<0.50**	**0.5**	**1.1**	**---**	**3.1**	**28**	**3.6**	**<1.0**	**<1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**363.79**	**14.16**	0.00	**349.63**
MW-8	08/07/1990	70	---	<0.50	70	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	09/11/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.30	17.68	0.00	344.62
MW-8	11/14/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.39	17.82	0.00	344.57
MW-8	11/21/1990	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	362.39	---	---	---
MW-8	03/18/1991	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	362.39	17.53	0.00	344.86
MW-8	07/03/1991	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	362.39	16.99	0.00	345.40
MW-8	09/12/1991	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	362.39	17.45	0.00	344.94
MW-8	01/15/1992	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	362.39	---	---	---
MW-8	01/30/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.39	18.10	0.00	344.29
MW-8	04/05/1992	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.39	17.02	0.00	345.37
MW-8	08/12/1992	---	---	8.9	8.3	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.39	17.02	0.00	345.37
MW-8	12/16/1992	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.39	18.00	0.00	344.39
MW-8	04/21/1993	<500	---	<0.30	1.5	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.39	14.61	0.00	347.78
MW-8	06/03/1993	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.39	14.86	0.00	347.53
MW-8	08/04/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.39	15.48	0.00	346.91
MW-8	11/20/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.39	16.02	0.00	346.37
MW-8	12/01/1993	<500	---	<0.30	0.60	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.50	16.27	0.00	346.23
MW-8	01/13/1994	<500	---	0.60	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.50	16.53	0.00	345.97
MW-8	03/31/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.50	16.72	0.00	345.78
MW-8	04/07/1994	<500	---	<0.30	0.40	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.50	16.61	0.00	345.89
MW-8	07/07/1994	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.50	16.86	0.00	345.64
MW-8	10/06/1994	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.50	17.45	0.00	345.05
MW-8	01/31/1995	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	362.50	16.66	0.00	345.84
MW-8	04/06/1995	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	1.3	362.50	14.96	0.00	347.54
MW-8	07/06/1995	<500	---	0.50	1.0	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	1.6	362.50	15.24	0.00	347.26

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-8	10/05/1995	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	2.3	362.50	16.17	0.00	346.33
MW-8	01/03/1996	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	1.2	362.50	17.04	0.00	345.46
MW-8	04/04/1996	<500	---	<0.30	0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.8	362.50	16.59	0.00	345.91
MW-8	06/06/1996	<500	---	<0.30	0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	2.4	362.50	16.82	0.00	345.68
MW-8	04/10/1997	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.4	362.50	15.72	0.00	346.78
MW-8	03/30/1998	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.5	362.50	13.47	0.00	349.03
MW-8	08/07/1998	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.7	362.50	13.70	0.00	348.80
MW-8	09/25/1998	---	---	<5.0	<5.0	<5.0	<15	---	<20	---	---	---	---	---	---	---	---	---	---	2.2	362.50	13.80	0.00	348.70
MW-8	11/24/1998	<500	---	<0.30	<0.30	<0.30	0.69	<10	---	---	---	---	---	---	---	---	---	---	---	1.6	362.50	14.44	0.00	348.06
MW-8	03/30/1999	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.9	362.50	15.01	0.00	347.49
MW-8	06/24/1999	<500	---	<0.50	<1.0	<1.0	<1.0	---	1.2	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	2.0	362.50	15.35	0.00	347.15
MW-8	09/16/1999	<500	---	<0.30	<0.30	<0.30	<0.60	<5.0	---	---	---	---	---	---	---	---	---	---	---	2.3	362.50	15.62	0.00	346.88
MW-8	12/27/1999	<500	---	<0.50	<1.0	<1.0	<2.0	---	2.6	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.9	362.50	16.09	0.00	346.41
MW-8	03/24/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	5.3	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	2.0	362.50	15.87	0.00	346.63
MW-8	06/13/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	3.1	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.2	362.50	16.03	0.00	346.47
MW-8	09/13/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	6.5	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	2.1	362.50	15.92	0.00	346.58
MW-8	12/28/2000	<500	---	<0.50	<1.0	<1.0	<1.0	---	7.8	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	99.53	16.51	0.00	83.02
MW-8	03/05/2001	<500	---	<0.50	<1.0	<1.0	<1.0	---	2.3	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	9.5	99.53	15.29	0.00	84.24
MW-8	05/03/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	4.1	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	10.35	99.53	14.75	0.00	84.78
MW-8	07/11/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	3.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	7.45	99.53	15.02	0.00	84.51
MW-8	11/07/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	1.6	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.46	99.53	15.48	0.00	84.05
MW-8	03/06/2002	<100	---	<0.50	<1.0	<1.0	<1.0	---	2.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.61	365.27	16.15	0.00	349.12
MW-8	06/21/2002	170 a	---	<0.50	<1.0	<1.0	<1.0	---	2.9	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	8.93	365.27	16.80	0.00	348.47
MW-8	08/26/2002	<50	---	<1.0	<1.0	<1.0	<1.0	---	<5.0	<50	<10	<10	<10	---	---	---	---	---	---	---	365.27	16.72	0.00	348.55
MW-8	11/01/2002	<50	---	<25	<50	<50	<50	---	150	<500	<100	<100	<100	<5000	---	---	---	---	---	---	365.27	16.96	0.00	348.31
MW-8	03/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	365.27	16.04	0.00	349.23
MW-8	03/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.7	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	365.27	---	---	---
MW-8	06/03/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	2.4	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	365.27	14.80	0.00	350.47
MW-8	09/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.2	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	365.27	15.21	0.00	350.06
MW-8	11/25/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.2	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	365.27	15.37	0.00	349.90
MW-8	02/24/2004	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	365.27	16.10	0.00	349.17
MW-8	06/03/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.27	15.47	0.00	349.80
MW-8	08/26/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.27	15.67	0.00	349.60
MW-8	10/06/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.27	15.78	0.00	349.49
MW-8	01/04/2005	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	365.27	14.89	0.00	350.38
MW-8	04/04/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.27	12.10	0.00	353.17
MW-8	07/19/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.27	12.56	0.00	352.71
MW-8	10/03/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.27	13.28	0.00	351.99
MW-8	01/09/2006	<50	---	<0.50	<0.50	<0.50	<1.0	---	4.3	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	1.9	365.27	14.19	0.00	351.08
MW-8	04/03/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.27	14.35	0.00	350.92
MW-8	07/10/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.27	14.50	0.00	350.77
MW-8	10/09/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.27	15.06	0.00	350.21

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-8	01/08/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	27	<10	<1.0	<1.0	<1.0	---	---	<0.10	0.86	360	250	1.5	365.27	15.75	0.00	349.52
MW-8	04/09/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.27	16.16	0.00	349.11
MW-8	07/09/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.27	16.40	0.00	348.87
MW-8	10/08/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.27	16.47	0.00	348.80
MW-8	01/28/2008	<50	---	<0.50	<0.50	<0.50	<1.0	---	37	<10	<1.0	<1.0	<1.0	---	0.0010	<0.10	1.1	400	310	1.9	365.27	15.54	0.00	349.73
MW-8	05/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.27	14.96	0.00	350.31
MW-8	07/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	365.27	14.92	0.00	350.35
MW-8	10/03/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.92	15.36	0.00	349.56
MW-8	01/21/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	28	<10	<2.0	<2.0	<2.0	<0.10	---	---	---	---	---	---	364.92	15.04	0.00	349.88
MW-8	04/02/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	22	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.92	14.83	0.00	350.09
MW-8	07/20/2009	94	<50	0.93	<1.0	<1.0	2.5	---	20	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.92	15.69	0.00	349.23
MW-8	10/20/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	13	<10	<2.0	<2.0	<2.0	<0.10	<0.00100	<0.10	1.5	360	-160	0.66	364.92	16.29	0.00	348.63
MW-8	01/26/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	16	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.92	16.17	0.00	348.75
MW-8	04/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	10	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.92	15.44	0.00	349.48
MW-8	07/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	9.1	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.92	15.80	0.00	349.12
MW-8	10/18/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	8.5	<10	<2.0	<2.0	<2.0	<0.100	<0.00100	<0.10	2.2	350	---	0.82	364.92	16.47	0.00	348.45
MW-8	01/13/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	<150	---	---	---	---	---	---	364.92	14.11	0.00	350.81
MW-8	04/11/2011	<50	<490	<0.50	<0.50	<0.50	<1.0	---	5.2	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	364.92	13.87	0.00	351.05
MW-8	07/12/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	4.3	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	364.92	14.46	0.00	350.46
MW-8	10/06/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	3.6	<10	<1.0	<1.0	<1.0	---	<0.0010	<0.100	3.50	330	400	2.93	364.92	14.91	0.00	350.01
MW-8	**01/23/2012**	**<50**	**<480**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**4.7**	**<10**	**<1.0**	**<1.0**	**<1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**365.27**	**15.78**	0.00	**349.49**
MW-9	07/16/1990	14000	---	400	1800	400	2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	09/11/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.20	15.66	0.00	344.54
MW-9	11/14/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.31	15.85	0.00	344.46
MW-9	03/18/1991	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.31	16.15	0.87	344.81
MW-9	09/12/1991	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.31	16.05	0.87	344.91
MW-9	01/15/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.31	15.12	2.12	346.98
MW-9	04/05/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.31	15.49	0.72	345.36
MW-9	12/16/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.31	16.48	0.51	344.21
MW-9	04/21/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.31	13.51	0.17	346.93
MW-9	12/01/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.27	14.80	0.00	345.47
MW-9	01/13/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.27	14.98	0.14	345.40
MW-9	03/31/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.27	15.30	0.06	345.02
MW-9	04/07/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.27	14.88	0.03	345.41
MW-9	07/07/1994	39400	---	231.8	858.7	1249.5	5010.6	---	---	---	---	---	---	---	---	---	---	---	---	---	360.27	15.10	0.00	345.17
MW-9	10/06/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.27	16.13	0.08	344.20
MW-9	01/31/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.27	14.78	0.00	345.49
MW-9	04/06/1995	28400	---	227.3	114.3	1050.3	3781.6	---	---	---	---	---	---	---	---	---	---	---	---	0.5	360.27	13.08	0.00	347.19
MW-9	07/06/1995	18400	---	170.5	99.1	605.7	2205.8	---	---	---	---	---	---	---	---	---	---	---	---	1.0	360.27	13.94	0.00	346.33
MW-9	10/05/1995	16000	---	160.6	61.3	579.5	1921.3	---	---	---	---	---	---	---	---	---	---	---	---	2.3	360.27	14.89	0.00	345.38
MW-9	01/03/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.27	15.92	0.01	344.36

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-9	04/04/1996	3300	---	18.3	9.9	86.9	190.5	1010	---	---	---	---	---	---	---	---	---	---	---	1.8	360.27	14.81	0.00	345.46
MW-9	06/06/1996	2800	---	9.2	17	63	120	1000	---	---	---	---	---	---	---	---	---	---	---	1.8	360.27	15.24	0.00	345.03
MW-9	10/17/1996	1800	---	18	4.7	55	130	760	---	---	---	---	---	---	---	---	---	---	---	0.6	360.27	15.48	0.00	344.79
MW-9	12/19/1996	1900	---	39	<0.30	47	110	1100	---	---	---	---	---	---	---	---	---	---	---	1.2	360.27	15.10	0.00	345.17
MW-9	04/10/1997	1200	---	13	4.6	21	46	490	---	---	---	---	---	---	---	---	---	---	---	1.0	360.27	14.20	0.00	346.07
MW-9	07/24/1997	1900	---	29	3.8	37	60	650	---	---	---	---	---	---	---	---	---	---	---	0.5	360.27	13.99	0.00	346.28
MW-9	02/06/1998	1800	---	29	5.0	58	71	389	---	---	---	---	---	---	---	---	---	---	---	1.4	360.27	13.69	0.00	346.58
MW-9	03/30/1998	1000	---	9.5	2.9	20	26	600	---	---	---	---	---	---	---	---	---	---	---	1.4	360.27	12.05	0.00	348.22
MW-9	08/07/1998	1900	---	25	4.4	53	42	250	---	---	---	---	---	---	---	---	---	---	---	1.1	360.27	17.90	0.00	342.37
MW-9	09/25/1998	---	---	22	<5.0	29	<15	---	230	---	---	---	---	---	---	---	---	---	---	1.0	360.27	12.68	0.00	347.59
MW-9	11/24/1998	4300	---	43	5.8	64	6.1	370	---	---	---	---	---	---	---	---	---	---	---	0.9	360.27	13.11	0.00	347.16
MW-9	03/30/1999	880	---	17	6.5	24	24	490	---	---	---	---	---	---	---	---	---	---	---	1.5	360.27	13.70	0.00	346.57
MW-9	06/24/1999	780	---	7.7	<10	13	13	---	220	<500	24	<20	<20	---	---	---	---	---	---	2.0	360.27	13.99	0.00	346.28
MW-9	09/16/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.27	14.04	0.00	346.23
MW-9	12/27/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.27	14.55	0.00	345.72
MW-9	03/24/2000	1700	---	14	<5.0	17	10	---	740	<250	31	<10	<10	---	---	---	---	---	---	1.9	360.27	14.31	0.00	345.96
MW-9	06/13/2000	800	---	65	30	85	278	---	96	<500	<20	<20	<20	---	---	---	---	---	---	1.0	360.27	14.70	0.00	345.57
MW-9	09/13/2000	2700	---	27	<20	29	<40	---	1700	<1000	<40	<40	<40	---	---	---	---	---	---	1.6	360.27	14.17	0.00	346.10
MW-9	12/28/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.27	---	---	---
MW-9	03/05/2001	1900	---	27	---	---	---	---	3000	2800	<100	<100	<100	---	---	---	---	---	---	9.21	360.27	13.61	0.00	346.66
MW-9	05/03/2001	1400	---	<250	<500	<500	<500	---	17000	32000	<500	<500	<500	---	---	---	---	---	---	10.21	360.27	13.20	0.00	347.07
MW-9	07/11/2001	1700	---	<0.50	<1.0	<1.0	<1.0	---	2000	3700	<100	<100	<100	---	---	---	---	---	---	7.93	360.27	13.56	0.00	346.71
MW-9	11/07/2001	3600	---	63	<10	25	<10	---	3500	13000	<20	<20	<20	---	---	---	---	---	---	9.58	360.27	13.85	0.00	346.42
MW-9	03/06/2002	1200	---	<13	<25	<25	<25	---	4900	8600	<50	<50	<50	---	---	---	---	---	---	8.96	363.79	14.48	0.00	349.31
MW-9	06/21/2002	3200	---	<25	<50	<50	<50	---	6000	8100	<100	<100	<100	<5000	---	---	---	---	---	9.37	363.79	15.48	0.00	348.31
MW-9	08/26/2002	6000	---	4.0	<1.0	1.0	<1.0	---	4800	8900	10	<10	<10	---	---	---	---	---	---	---	363.79	15.03	0.00	348.76
MW-9	11/01/2002	1700	---	51	<50	<50	<50	---	3600	36000	<100	<100	<100	<5000	---	---	---	---	---	---	363.79	15.21	0.00	348.58
MW-9	03/05/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	363.29	13.60	0.00	349.69
MW-9	03/06/2003	1900	---	<25	<50	<50	<50	---	4500	34000	<100	<100	<100	<5000	---	---	---	---	---	---	363.29	---	---	---
MW-9	03/06/2003	3900	---	57	<50	<50	<50	---	8600	37000	<100	<100	<100	<5000	---	---	---	---	---	---	363.29	---	---	---
MW-9	06/03/2003	1100	---	<25	<50	<50	<50	---	7000	33000	<100	<100	<100	<5000	---	---	---	---	---	---	363.29	12.62	0.00	350.67
MW-9	09/05/2003	3200	---	<25	<50	<50	<50	---	5400	37000	<100	<100	<100	<100	---	---	---	---	---	---	363.29	13.06	0.00	350.23
MW-9	11/25/2003	1900	---	<25	<50	<50	<50	---	3200	31000	<100	<100	<100	---	---	---	---	---	---	---	363.29	13.20	0.00	350.09
MW-9	02/24/2004	2800	---	28	<50	<50	<50	---	5600	42000	<100	<100	<100	---	---	---	---	---	---	---	363.29	13.74	0.00	349.55
MW-9	06/03/2004	2200	---	<25	<50	<50	<50	---	2100	18000	<100	<100	<100	<5000	---	---	---	---	---	---	363.29	13.15	0.00	350.14
MW-9	08/26/2004	2200	---	<13	<25	<25	<25	---	610	20000	<50	<50	<50	---	---	---	---	---	---	---	363.29	13.45	0.00	349.84
MW-9	10/06/2004	1900	---	46	<25	<25	<25	---	230	20000	<50	<50	<50	---	---	---	---	---	---	---	363.29	13.53	0.00	349.76
MW-9	01/04/2005	1200	---	<25	<50	<50	<50	---	120	19000	<100	<100	<100	---	---	---	---	---	---	---	363.29	12.40	0.00	350.89
MW-9	04/04/2005	720	---	14	<25	<25	<25	---	<25	5200	<50	<50	<50	---	---	---	---	---	---	---	363.29	10.15	0.00	353.14
MW-9	07/19/2005	430	---	27	<10	<10	<10	---	<10	2300	46	<20	<20	<1000	---	---	---	---	---	---	363.29	11.18	0.00	352.11
MW-9	10/03/2005	340	---	35	<10	<10	<10	---	<10	1100	48	<20	<20	---	---	---	---	---	---	---	363.29	11.91	0.00	351.38
MW-9	01/09/2006	460	---	12	<0.50	0.58	<1.0	---	5.3	490	36	<1.0	<1.0	---	---	---	---	---	---	1.5	363.29	12.70	0.00	350.59

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*TPHd (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260B (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*ETH (µg/L)*	*CH_4 (mg/L)*	*Fe^{2+} (mg/L)*	*NO_3 (mg/L)*	*SO_4 (mg/L)*	*ORP (mV)*	*DO (ppm)*	*TOC (ft MSL)*	*DTW (ft TOC)*	*SPH (ft)*	*GWE (ft MSL)*
MW-9	04/03/2006	760	---	37	<1.0	<1.0	<2.0	---	5.9	1200	46	<2.0	<2.0	---	---	---	---	---	---	1.8	363.29	12.70	0.00	350.59
MW-9	07/10/2006	690	---	24	<2.0	<2.0	<6.0	7.4	---	980	49	<4.0	<4.0	---	3.1	0.40	0.44	90	---	---	363.29	12.95	0.00	350.34
MW-9	10/09/2006	650	---	20	<0.50	<0.50	<1.0	---	9.2	960	46	<1.0	<1.0	---	0.51	0.30	0.35	120	210	1.4	363.29	13.59	0.00	349.70
MW-9	01/08/2007	430	---	2.8	<0.50	<0.50	<1.0	---	26	470	33	<1.0	<1.0	---	---	0.30	0.11	110	250	1.2	363.29	13.96	0.00	349.33
MW-9	04/09/2007	230	---	5.6	<0.50	<0.50	<1.0	---	17	310	29	<1.0	<1.0	---	0.49	0.30	<0.11	85	---	---	363.29	14.37	0.00	348.92
MW-9	07/09/2007	360	---	5.3	<0.50	<0.50	<1.0	---	14	550	13	<1.0	<1.0	---	0.30	0.20	<0.11	150	130	2.6	363.29	14.51	0.00	348.78
MW-9	10/08/2007	790	---	2.5	<0.50	<0.50	<1.0	---	4.7	4400	12	<1.0	<1.0	---	0.81	0.10	<0.11	62	270	1.9	363.29	14.35	0.00	348.94
MW-9	01/28/2008	590	---	5.7	<2.5	<2.5	<5.0	---	45	3700	14	<5.0	<5.0	---	0.84	0.40	<0.22	100	260	<1.0	363.29	13.58	0.00	349.71
MW-9	05/07/2008	1100	---	17	<1.0	<1.0	<1.0	---	74	2700	18	<2.0	<2.0	---	0.120	0.28	110	5.5	5.31	---	363.29	13.13	0.00	350.16
MW-9	07/07/2008	490	---	4.8	<5.0	<5.0	<5.0	---	130	1500	15	<10	<10	<500	0.144	0.31	<0.10	140	-17	2.01	363.29	13.20	0.00	350.09
MW-9	10/03/2008	980	---	<1.0	<2.0	<2.0	<2.0	---	110	2200	13	<4.0	<4.0	<0.10	23.9	0.20	<0.10	120	-140	0.12	363.01	14.10	0.00	348.91
MW-9	01/21/2009	490	300	4.1	<2.0	<2.0	<2.0	---	46	640	9.5	<4.0	<4.0	<0.20	190	0.39	<0.10	98	-340	0.18	363.01	13.11	0.00	349.90
MW-9	04/02/2009	460	350	2.0	<2.0	<2.0	<2.0	---	19	880	13	<4.0	<4.0	<200	---	---	---	---	---	---	363.01	13.23	0.00	349.78
MW-9	07/20/2009	430	680	4.8	<1.0	<1.0	<1.0	---	21	530	11	<2.0	<2.0	<100	---	---	---	---	---	---	363.01	13.91	0.00	349.10
MW-9	10/20/2009	350	320	2.6	<1.0	<1.0	<1.0	---	14	320	8.0	<2.0	<2.0	<0.10	190	0.39	<0.10	98	-340	0.18	363.01	14.45	0.00	348.56
MW-9	01/26/2010	580	510	9.6	<1.0	<1.0	<1.0	---	4.9	420	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.01	13.95	0.00	349.06
MW-9	04/07/2010	950	470	5.2	<1.0	<1.0	<1.0	---	9.8	630	5.6	<2.0	<2.0	<100	---	---	---	---	---	---	363.01	13.29	0.00	349.72
MW-9	07/07/2010	810	1000	5.1	<1.0	<1.0	<1.0	---	6.6	710	5.9	<2.0	<2.0	<100	<50	<1.0	---	---	---	---	363.01	14.03	0.00	348.98
MW-9	10/18/2010	680	420	1.9	<1.0	<1.0	<1.0	---	8.7	380	3.6	<2.0	<2.0	<0.100	0.112	0.31	<0.10	110	---	0.84	363.01	14.61	0.00	348.40
MW-9	01/13/2011	420	1100	5.0	<0.50	<0.50	<1.0	---	10	580	2.0	<1.0	<1.0	<150	---	---	---	---	---	---	363.01	12.42	0.00	350.59
MW-9	04/11/2011	480	1100	2.7	<0.50	<0.50	<1.0	---	4	470	6.0	<1.0	<1.0	---	---	---	---	---	---	---	363.01	12.30	0.00	350.71
MW-9	07/12/2011	310	580	1.0	<0.50	<0.50	<1.0	---	2.9	530	15	<1.0	<1.0	---	---	---	---	---	---	---	363.01	12.85	0.00	350.16
MW-9	10/06/2011	340	800	1.4	<0.50	<0.50	<1.0	---	8.6	270	18	<1.0	<1.0	---	0.32	0.40	<0.110	100	310	0.85	363.01	12.19	0.00	350.82
MW-9	**01/27/2012**	**590**	**1000**	**3.9**	**<0.50**	**<0.50**	**<1.0**	**---**	**5.5**	**390**	**11**	**<1.0**	**<1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**363.29**	**13.94**	**0.00**	**349.35**
MW-10	09/11/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	16.72	0.00	343.96
MW-10	09/20/1990	500	---	60	4.0	3.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	11/14/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	16.75	0.00	343.93
MW-10	11/21/1990	500	---	20	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	---	---	---
MW-10	03/18/1991	800	---	20	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	16.47	0.00	344.21
MW-10	07/03/1991	1000	---	100	<1.0	8	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	15.88	0.00	344.80
MW-10	09/12/1991	1300	---	200	30	30	50	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	16.32	0.00	344.36
MW-10	01/15/1992	1300	---	70	20	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	---	---	---
MW-10	01/30/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	16.98	0.00	343.70
MW-10	04/05/1992	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	16.00	0.00	344.68
MW-10	08/12/1992	---	---	310.5	52	<0.30	49	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	16.00	0.00	344.68
MW-10	12/16/1992	---	---	552.1	6.1	69.3	113.4	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	16.87	0.00	343.81
MW-10	04/21/1993	<500	---	24.5	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	14.61	0.00	346.07
MW-10	06/03/1993	900	---	7.3	3.4	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	14.04	0.00	346.64
MW-10	11/20/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	15.16	0.00	345.52
MW-10	04/07/1994	<500	---	15.8	5.9	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	15.55	0.00	345.13
MW-10	04/06/1995	<500	---	<0.30	1.9	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	0.9	360.68	14.04	0.00	346.64

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-10	07/06/1995	<500	---	1.8	4.8	0.4	2.0	---	---	---	---	---	---	---	---	---	---	---	---	1.3	360.68	14.70	0.00	345.98
MW-10	10/05/1995	<500	---	<0.30	1.9	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	2.8	360.68	15.45	0.00	345.23
MW-10	01/03/1996	<500	---	2.8	1.4	0.5	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	1.0	360.68	16.39	0.00	344.29
MW-10	04/04/1996	<500	---	5.3	4.5	0.7	<0.60	20	---	---	---	---	---	---	---	---	---	---	---	2.0	360.68	15.68	0.00	345.00
MW-10	06/06/1996	<500	---	0.9	3.0	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	2.0	360.68	15.96	0.00	344.72
MW-10	04/10/1997	<500	---	<0.30	3.0	<0.30	0.8	10	---	---	---	---	---	---	---	---	---	---	---	1.7	360.68	14.98	0.00	345.70
MW-10	03/30/1998	<500	---	<0.30	2.2	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.3	360.68	12.75	0.00	347.93
MW-10	08/07/1998	<500	---	<0.30	0.8	<0.30	<0.60	13	---	---	---	---	---	---	---	---	---	---	---	1.7	360.68	13.39	0.00	347.29
MW-10	09/25/1998	---	---	<5.0	<5.0	<5.0	<15	---	<20	---	---	---	---	---	---	---	---	---	---	1.8	360.68	13.15	0.00	347.53
MW-10	11/24/1998	<500	---	<0.30	1.1	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.4	360.68	13.72	0.00	346.96
MW-10	03/30/1999	<500	---	0.64	0.99	<0.30	<0.60	44	---	---	---	---	---	---	---	---	---	---	---	1.1	360.68	14.28	0.00	346.40
MW-10	06/24/1999	<500	---	<0.50	<1.0	<1.0	<1.0	---	35	<50	4.4	<2.0	<2.0	---	---	---	---	---	---	1.1	360.68	14.72	0.00	345.96
MW-10	09/16/1999	<500	---	<0.30	<0.30	<0.30	<0.60	31	---	---	---	---	---	---	---	---	---	---	---	1.6	360.68	14.82	0.00	345.86
MW-10	12/27/1999	<500	---	<0.50	<1.0	<1.0	<2.0	---	17	<50	7.0	<2.0	<2.0	---	---	---	---	---	---	1.4	360.68	15.22	0.00	345.46
MW-10	03/24/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	11	79	6.4	<2.0	<2.0	---	---	---	---	---	---	2.6	360.68	15.05	0.00	345.63
MW-10	06/13/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	7.2	<50	6.4	<2.0	<2.0	---	---	---	---	---	---	1.2	360.68	15.50	0.00	345.18
MW-10	09/13/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	6.5	<50	5.2	<2.0	<2.0	---	---	---	---	---	---	1.5	360.68	14.97	0.00	345.71
MW-10	12/28/2000	<500	---	<0.50	<1.0	<1.0	<1.0	---	6.0	<50	5.6	<2.0	<2.0	---	---	---	---	---	---	---	360.68	15.68	0.00	345.00
MW-10	03/05/2001	<500	---	<0.50	<1.0	<1.0	<1.0	---	5.8	<50	6.0	<2.0	<2.0	---	---	---	---	---	---	9.06	360.68	14.48	0.00	346.20
MW-10	05/03/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	5.4	<50	8.5	<2.0	<2.0	---	---	---	---	---	---	11.71	360.68	14.04	0.00	346.64
MW-10	07/11/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	5.8	<50	6.4	<2.0	<2.0	---	---	---	---	---	---	7.25	360.68	14.26	0.00	346.42
MW-10	11/07/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	9.1	<50	6.5	<2.0	<2.0	---	---	---	---	---	---	7.38	360.68	14.66	0.00	346.02
MW-10	03/06/2002	<100	---	<0.50	<1.0	<1.0	<1.0	---	5.4	<50	3.0	<2.0	<2.0	---	---	---	---	---	---	9.12	364.41	15.38	0.00	349.03
MW-10	06/21/2002	<100	---	<0.50	<1.0	<1.0	<1.0	---	6.7	14	---	<2.0	<2.0	<100	---	---	---	---	---	9.02	364.41	16.18	0.00	348.23
MW-10	08/26/2002	<50	---	<1.0	<1.0	<1.0	<1.0	---	6	<50	<10	<10	<10	---	---	---	---	---	---	---	364.41	15.85	0.00	348.56
MW-10	11/01/2002	<50	---	<0.50	<1.0	<1.0	<1.0	---	9.8	51	4.3	<2.0	<2.0	<100	---	---	---	---	---	---	364.41	16.10	0.00	348.31
MW-10	03/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	5.5	<10	3.2	<2.0	<2.0	<100	---	---	---	---	---	---	364.41	15.04	0.00	349.37
MW-10	03/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	5.2	<10	2.9	<2.0	<2.0	<100	---	---	---	---	---	---	364.41	---	---	---
MW-10	06/03/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	6.4	25	4.9	<2.0	<2.0	<100	---	---	---	---	---	---	364.41	13.95	0.00	350.46
MW-10	09/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	3.7	15	3.3	<2.0	<2.0	<100	---	---	---	---	---	---	364.41	14.30	0.00	350.11
MW-10	11/25/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	3.4	19	2.2	<2.0	<2.0	---	---	---	---	---	---	---	364.41	14.48	0.00	349.93
MW-10	02/24/2004	70	---	<0.50	<1.0	<1.0	<1.0	---	18	99	10	<2.0	<2.0	---	---	---	---	---	---	---	364.41	15.04	0.00	349.37
MW-10	06/03/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.41	14.54	0.00	349.87
MW-10	08/26/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.41	14.80	0.00	349.61
MW-10	10/06/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.41	14.91	0.00	349.50
MW-10	01/04/2005	<50	---	<0.50	<1.0	<1.0	<1.0	---	4.5	16	3.7	<2.0	<2.0	---	---	---	---	---	---	---	364.41	13.90	0.00	350.51
MW-10	04/04/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.41	11.35	0.00	353.06
MW-10	07/19/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.41	11.80	0.00	352.61
MW-10	10/03/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.41	12.58	0.00	351.83
MW-10	01/09/2006	51	---	1.6	<0.50	<0.50	<1.0	---	58	18	1.6	<1.0	<1.0	---	---	---	---	---	---	3.9	364.41	13.44	0.00	350.97
MW-10	04/03/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.41	13.59	0.00	350.82
MW-10	07/10/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.41	13.73	0.00	350.68

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*TPHd (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260B (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*ETH (µg/L)*	*CH_4 (mg/L)*	*Fe^{2+} (mg/L)*	*NO_3 (mg/L)*	*SO_4 (mg/L)*	*ORP (mV)*	*DO (ppm)*	*TOC (ft MSL)*	*DTW (ft TOC)*	*SPH (ft)*	*GWE (ft MSL)*
MW-10	10/09/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.41	14.34	0.00	350.07
MW-10	01/08/2007	59	---	<0.50	<0.50	<0.50	<1.0	---	61	<10	<1.0	<1.0	<1.0	---	---	0.10	<0.11	460	250	4.5	364.41	14.35	0.00	350.06
MW-10	04/09/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.41	15.18	0.00	349.23
MW-10	07/09/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.41	15.47	0.00	348.94
MW-10	10/08/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.41	15.53	0.00	348.88
MW-10	01/28/2008	<50	---	<0.50	<0.50	<0.50	<1.0	---	29	<10	1.2	<1.0	<1.0	---	0.0099	2.0	<0.22	260	250	3.9	364.41	14.62	0.00	349.79
MW-10	05/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.41	14.04	0.00	350.37
MW-10	07/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00580	0.72	<0.10	300	-180	2.34	364.41	13.94	0.00	350.47
MW-10	10/03/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.06	14.54	0.00	349.52
MW-10	01/21/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	9.7	<10	<2.0	<2.0	<2.0	<0.10	---	---	---	---	---	---	364.06	14.09	0.00	349.97
MW-10	04/02/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	8.5	<10	<2.0	<2.0	<2.0	<100	<50	<1.0	---	---	---	---	364.06	13.85	0.00	350.21
MW-10	07/20/2009	53	<50	<0.50	<1.0	<1.0	<1.0	---	5.0	<10	<2.0	<2.0	<2.0	<100	0.0113	2.9	<0.10	270	---	1.39	364.06	14.71	0.00	349.35
MW-10	10/20/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	3.4	<10	<2.0	<2.0	<2.0	<0.10	0.00580	0.72	<0.10	300	-180	2.34	364.06	15.23	0.00	348.83
MW-10	01/26/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	9.3	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.06	15.05	0.00	349.01
MW-10	04/07/2010	87	<50	<0.50	<1.0	<1.0	<1.0	---	6.8	10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.06	14.52	0.00	349.54
MW-10	07/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	2.4	<10	<2.0	<2.0	<2.0	<100	<50	<1.0	---	---	---	---	364.06	14.87	0.00	349.19
MW-10	10/18/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	3.0	<10	<2.0	<2.0	<2.0	<0.100	0.0113	2.9	<0.10	270	---	1.39	364.06	15.49	0.00	348.57
MW-10	01/13/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	5.1	<10	<1.0	<1.0	<1.0	<150	---	---	---	---	---	---	364.06	13.31	0.00	350.75
MW-10	04/11/2011	<50	<480	<0.50	<0.50	<0.50	<1.0	---	2.1	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	364.06	12.92	0.00	351.14
MW-10	07/12/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	1.3	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	364.06	13.62	0.00	350.44
MW-10	10/06/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	1.8	<10	<1.0	<1.0	<1.0	---	0.0061	2.0	<0.110	380	260	1.65	364.06	13.98	0.00	350.08
MW-10	**01/23/2012**	**<50**	**<500**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**1.6**	**<10**	**<1.0**	**<1.0**	**<1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**364.41**	**14.84**	0.00	**349.57**
MW-11	09/30/1990	70	---	10	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	10/01/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.60	15.64	0.00	344.96
MW-11	11/14/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	15.58	0.00	345.10
MW-11	11/21/1990	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	---	---	---
MW-11	03/18/1991	200	---	3.0	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	15.28	0.00	345.40
MW-11	07/03/1991	70	---	10	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	14.71	0.00	345.97
MW-11	09/12/1991	170	---	10	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	15.10	0.00	345.58
MW-11	01/15/1992	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	---	---	---
MW-11	01/30/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	15.75	0.00	344.93
MW-11	04/05/1992	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	14.62	0.00	346.06
MW-11	08/12/1992	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	14.96	0.00	345.72
MW-11	12/16/1992	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	15.34	0.00	345.34
MW-11	04/21/1993	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	12.87	0.00	347.81
MW-11	06/03/1993	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	13.05	0.00	347.63
MW-11	08/04/1993	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	13.40	0.00	347.28
MW-11	11/20/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.68	13.74	0.00	346.94
MW-11	12/01/1993	<500	---	0.50	0.80	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.47	13.92	0.00	346.55
MW-11	01/13/1994	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.47	14.10	0.00	346.37
MW-11	03/31/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.47	14.12	0.00	346.35

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-11	04/07/1994	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.47	14.10	0.00	346.37
MW-11	07/07/1994	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.47	14.15	0.00	346.32
MW-11	10/06/1994	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.47	14.83	0.00	345.64
MW-11	01/31/1995	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.47	14.05	0.00	346.42
MW-11	04/06/1995	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	1.0	360.47	12.84	0.00	347.63
MW-11	07/06/1995	<500	---	<0.30	0.6	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	1.2	360.47	12.80	0.00	347.67
MW-11	10/05/1995	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	2.3	360.47	13.72	0.00	346.75
MW-11	01/03/1996	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	1.6	360.47	14.48	0.00	345.99
MW-11	04/04/1996	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.8	360.47	14.11	0.00	346.36
MW-11	06/06/1996	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.8	360.47	14.29	0.00	346.18
MW-11	04/10/1997	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.3	360.47	13.54	0.00	346.93
MW-11	03/30/1998	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.5	360.47	11.50	0.00	348.97
MW-11	08/07/1998	<500	---	<0.30	<0.30	<0.30	<0.60	12	---	---	---	---	---	---	---	---	---	---	---	1.0	360.47	11.47	0.00	349.00
MW-11	09/25/1998	---	---	<5.0	<5.0	<5.0	<15	---	<20	---	---	---	---	---	---	---	---	---	---	1.8	360.47	11.76	0.00	348.71
MW-11	11/24/1998	<500	---	<0.30	0.37	<0.30	<0.60	17	---	---	---	---	---	---	---	---	---	---	---	2.3	360.47	12.26	0.00	348.21
MW-11	03/30/1999	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.3	360.47	12.83	0.00	347.64
MW-11	06/24/1999	<500	---	<0.50	<1.0	<1.0	<1.0	---	1.6	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.3	360.47	13.06	0.00	347.41
MW-11	09/16/1999	<500	---	<0.30	<0.30	<0.30	<0.60	<5.0	---	---	---	---	---	---	---	---	---	---	---	2.4	360.47	13.29	0.00	347.18
MW-11	12/27/1999	<500	---	<0.50	<1.0	<1.0	<2.0	---	1.6	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.6	360.47	13.75	0.00	346.72
MW-11	06/13/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	1.2	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	2.3	360.47	13.66	0.00	346.81
MW-11	09/13/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	1.7	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.4	360.47	13.46	0.00	347.01
MW-11	12/28/2000	<500	---	<0.50	<1.0	<1.0	<1.0	---	1.1	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	97.50	14.18	0.00	83.32
MW-11	03/05/2001	<500	---	<0.50	<1.0	<1.0	<1.0	---	1.3	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.55	97.50	12.99	0.00	84.51
MW-11	05/03/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	1.4	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	10.25	97.50	12.76	0.00	84.74
MW-11	07/11/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	1.2	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	9.27	97.50	12.83	0.00	84.67
MW-11	11/07/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.34	97.50	13.20	0.00	84.30
MW-11	03/06/2002	<100	---	<0.50	<1.0	<1.0	<1.0	---	3.1	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.99	363.24	13.80	0.00	349.44
MW-11	06/21/2002	<100	---	<0.50	<1.0	<1.0	<1.0	---	3.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	8.45	363.24	14.36	0.00	348.88
MW-11	08/26/2002	<50	---	<1.0	<1.0	<1.0	<1.0	---	<5.0	<50	<10	<10	<10	---	---	---	---	---	---	---	363.24	14.42	0.00	348.82
MW-11	11/01/2002	<50	---	<0.50	<1.0	<1.0	<1.0	---	2.5	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.24	14.60	0.00	348.64
MW-11	03/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.24	13.28	0.00	349.96
MW-11	03/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.4	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.24	---	---	---
MW-11	06/03/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.8	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.24	12.45	0.00	350.79
MW-11	09/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.24	12.95	0.00	350.29
MW-11	11/25/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.4	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	363.24	13.23	0.00	350.01
MW-11	02/24/2004	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.9	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	363.24	13.46	0.00	349.78
MW-11	06/03/2004	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.24	13.00	0.00	350.24
MW-11	08/26/2004	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	363.24	13.44	0.00	349.80
MW-11	10/06/2004	70	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	363.24	13.48	0.00	349.76
MW-11	01/04/2005	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	363.24	12.58	0.00	350.66
MW-11	04/04/2005	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	363.24	10.43	0.00	352.81
MW-11	07/19/2005	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.24	10.74	0.00	352.50

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*TPHd (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260B (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*ETH (µg/L)*	*CH_4 (mg/L)*	*Fe^{2+} (mg/L)*	*NO_3 (mg/L)*	*SO_4 (mg/L)*	*ORP (mV)*	*DO (ppm)*	*TOC (ft MSL)*	*DTW (ft TOC)*	*SPH (ft)*	*GWE (ft MSL)*
MW-11	10/03/2005	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	363.24	11.37	0.00	351.87
MW-11	01/09/2006	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	363.24	12.07	0.00	351.17
MW-11	04/03/2006	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	363.24	12.16	0.00	351.08
MW-11	07/10/2006	<50	---	<0.50	<0.50	<0.50	<1.50	2.1	---	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	363.24	12.42	0.00	350.82
MW-11	10/09/2006	<50	---	<0.50	<0.50	<0.50	<1.0	---	2.2	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	363.24	12.85	0.00	350.39
MW-11	01/08/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	2.9	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	363.24	13.27	0.00	349.97
MW-11	04/09/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	2.4	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	363.24	13.63	0.00	349.61
MW-11	07/09/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	2.7	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	363.24	13.77	0.00	349.47
MW-11	10/08/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	1.5	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	363.24	13.71	0.00	349.53
MW-11	01/28/2008	<50	---	<0.50	<0.50	<0.50	<1.0	---	1.4	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	363.24	12.95	0.00	350.29
MW-11	05/07/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	363.24	12.63	0.00	350.61
MW-11	07/07/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.3	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.24	12.56	0.00	350.68
MW-11	10/03/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.5	<10	<2.0	<2.0	<2.0	<0.10	---	---	---	---	---	---	362.89	13.05	0.00	349.84
MW-11	01/21/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<0.10	---	---	---	---	---	---	362.89	12.76	0.00	350.13
MW-11	04/02/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.89	12.60	0.00	350.29
MW-11	07/20/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.89	13.16	0.00	349.73
MW-11	10/20/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<0.10	<0.00100	<0.10	3.8	230	-150	0.78	362.89	13.64	0.00	349.25
MW-11	01/26/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.89	13.21	0.00	349.68
MW-11	04/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.89	13.14	0.00	349.75
MW-11	07/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	<50	<1.0	---	---	---	---	362.89	13.80	0.00	349.09
MW-11	10/18/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<0.100	<0.00100	<0.10	<0.00100	3.6	---	1	362.89	13.86	0.00	349.03
MW-11	01/13/2011	<50	<480	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	<150	---	---	---	---	---	---	362.89	11.92	0.00	350.97
MW-11	04/11/2011	<50	<490	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	362.89	11.72	0.00	351.17
MW-11	07/12/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	362.89	12.19	0.00	350.70
MW-11	10/06/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	<0.0010	<0.100	4.80	220	420	1.88	362.89	12.96	0.00	349.93
MW-11	**01/23/2012**	**<50**	**<470**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**363.24**	**13.24**	0.00	**350.00**
															---	---	---	---	---					
MW-12	11/14/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.76	17.46	0.00	344.30
MW-12	11/21/1990	3000	---	200	500	60	400	---	---	---	---	---	---	---	---	---	---	---	---	---	361.76	---	---	---
MW-12	03/18/1991	19000	---	3000	3000	400	2000	---	---	---	---	---	---	---	---	---	---	---	---	---	361.76	16.98	0.00	344.78
MW-12	07/03/1991	3300	---	800	600	10	200	---	---	---	---	---	---	---	---	---	---	---	---	---	361.76	16.49	0.00	345.27
MW-12	09/12/1991	9600	---	1400	2500	200	1700	---	---	---	---	---	---	---	---	---	---	---	---	---	361.76	16.74	0.00	345.02
MW-12	01/15/1992	1600	---	200	100	<2.0	100	---	---	---	---	---	---	---	---	---	---	---	---	---	361.76	---	---	---
MW-12	04/05/1992	<500	---	2000	1000	50	700	---	---	---	---	---	---	---	---	---	---	---	---	---	361.76	16.05	0.00	345.71
MW-12	08/12/1992	---	---	370.7	129.5	21	184	---	---	---	---	---	---	---	---	---	---	---	---	---	361.76	16.60	0.00	345.16
MW-12	12/16/1992	---	---	405.8	246.5	42	223.3	---	---	---	---	---	---	---	---	---	---	---	---	---	361.76	17.63	0.00	344.13
MW-12	04/21/1993	<500	---	7.6	6.6	11.3	13.1	---	---	---	---	---	---	---	---	---	---	---	---	---	361.76	14.66	0.00	347.10
MW-12	08/04/1993	---	---	8391.8	3935.4	1049.2	3433.1	---	---	---	---	---	---	---	---	---	---	---	---	---	361.76	15.46	0.00	346.30
MW-12	12/01/1993	11500	---	5066	886.8	740.4	1351.6	---	---	---	---	---	---	---	---	---	---	---	---	---	361.70	15.85	0.00	345.85
MW-12	01/13/1994	13500	---	5604.7	1140	930.6	1654.2	---	---	---	---	---	---	---	---	---	---	---	---	---	361.70	16.47	0.00	345.23
MW-12	03/31/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.70	16.88	0.00	344.82
MW-12	04/07/1994	7700	---	2338.9	226.9	608.6	1070.5	---	---	---	---	---	---	---	---	---	---	---	---	---	361.70	16.52	0.00	345.18

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-12	07/07/1994	2300	---	559.4	8.0	337.4	149.4	---	---	---	---	---	---	---	---	---	---	---	---	---	361.70	16.75	0.00	344.95
MW-12	10/06/1994	3400	---	930.4	12.1	217.3	149.6	---	---	---	---	---	---	---	---	---	---	---	---	---	361.70	17.61	0.00	344.09
MW-12	01/31/1995	<500	---	19.8	0.8	3.1	2.1	---	---	---	---	---	---	---	---	---	---	---	---	---	361.70	16.46	0.00	345.24
MW-12	04/06/1995	1300	---	309.1	<0.30	109.1	219.3	---	---	---	---	---	---	---	---	---	---	---	---	1.4	361.70	14.61	0.00	347.09
MW-12	07/06/1995	8000	---	1116	96.4	576.2	1173.7	---	---	---	---	---	---	---	---	---	---	---	---	1.6	361.70	15.38	0.00	346.32
MW-12	10/05/1995	4200	---	696.3	7.5	267	317.9	---	---	---	---	---	---	---	---	---	---	---	---	1.9	361.70	16.40	0.00	345.30
MW-12	01/03/1996	19100	---	4278.6	32.9	1488.3	462.5	---	---	---	---	---	---	---	---	---	---	---	---	1.3	361.70	17.33	0.00	344.37
MW-12	04/04/1996	<500	---	17	1.8	9.6	6.9	<10	---	---	---	---	---	---	---	---	---	---	---	1.9	361.70	16.47	0.00	345.23
MW-12	06/06/1996	500	---	42	1.2	17	15	<10	---	---	---	---	---	---	---	---	---	---	---	1.4	361.70	16.81	0.00	344.89
MW-12	10/17/1996	1100	---	120	2.4	73	5.8	<10	---	---	---	---	---	---	---	---	---	---	---	---	361.70	17.04	0.00	344.66
MW-12	12/19/1996	<500	---	22	<0.30	11	1.9	<10	---	---	---	---	---	---	---	---	---	---	---	1.8	361.70	16.65	0.00	345.05
MW-12	04/10/1997	3000	---	260	6.5	120	170	<10	---	---	---	---	---	---	---	---	---	---	---	1.2	361.70	15.63	0.00	346.07
MW-12	07/24/1997	10000	---	850	9.8	200	720	<10	---	---	---	---	---	---	---	---	---	---	---	1.3	361.70	15.53	0.00	346.17
MW-12	02/06/1998	1500	---	117	3	25	64	<5.0	---	---	---	---	---	---	---	---	---	---	---	2.4	361.70	15.25	0.00	346.45
MW-12	03/30/1998	1200	---	160	4.1	38	33	<10	---	---	---	---	---	---	---	---	---	---	---	1.6	361.70	13.46	0.00	348.24
MW-12	08/07/1998	<1000	---	77	<1.0	<1.0	22	<10	---	---	---	---	---	---	---	---	---	---	---	2.1	361.70	14.11	0.00	347.59
MW-12	09/25/1998	---	---	170	<5.0	21	<15	---	<20	---	---	---	---	---	---	---	---	---	---	1.5	361.70	14.09	0.00	347.61
MW-12	11/24/1998	2600	---	130	0.56	27	29	22	---	---	---	---	---	---	---	---	---	---	---	1.0	361.70	14.60	0.00	347.10
MW-12	03/30/1999	1200	---	73	7.8	20	130	11	---	---	---	---	---	---	---	---	---	---	---	1.2	361.70	15.14	0.00	346.56
MW-12	06/24/1999	660	---	62	<1.0	4.6	47	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.3	361.70	15.39	0.00	346.31
MW-12	09/16/1999	1100	---	96	1.6	9.9	68	<5.0	---	---	---	---	---	---	---	---	---	---	---	2.6	361.70	15.57	0.00	346.13
MW-12	12/27/1999	740	---	19	<1.0	8.2	11	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.4	361.70	16.11	0.00	345.59
MW-12	03/24/2000	<500	---	22	<1.0	5.5	7.7	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.8	361.70	15.88	0.00	345.82
MW-12	06/13/2000	500	---	19	<1.0	35	29	---	1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.7	361.70	16.09	0.00	345.61
MW-12	09/13/2000	409	---	20	<1.0	17	11.8	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.8	361.70	15.74	0.00	345.96
MW-12	12/28/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	361.70	---	---	---
MW-12	03/05/2001	<500	---	5.3	<1.0	2.4	3.8	---	---	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.93	361.70	15.22	0.00	346.48
MW-12	05/03/2001	6800	---	---	<0.50	2.2	2.3	---	45000	9300	<2.0	5.2	46	---	---	---	---	---	---	9.78	361.70	14.70	0.00	347.00
MW-12	07/11/2001	1100	---	17	1.2	59	81	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	7.58	361.70	14.96	0.00	346.74
MW-12	11/07/2001	600	---	16	<1.0	4.7	13.6	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	6.99	361.70	15.41	0.00	346.29
MW-12	03/06/2002	390	---	3.2	<1.0	1.2	3.7	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.70	364.99	16.06	0.00	348.93
MW-12	06/21/2002	130	---	3.0	<1.0	1.4	2.1	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	10.20	364.99	16.90	0.00	348.09
MW-12	08/26/2002	400	---	32	1.0	22	4.0	---	<5.0	<50	<10	<10	<10	---	---	---	---	---	---	---	364.99	16.55	0.00	348.44
MW-12	11/01/2002	1900	---	110	3.1	23	5.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.99	16.85	0.00	348.14
MW-12	03/05/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	364.99	15.80	0.00	349.19
MW-12	03/06/2003	<50	---	<0.50	<1.0	1.0	4.4	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.99	---	---	---
MW-12	03/06/2003	120	---	0.50	<1.0	2.1	16.8	---	<1.0	14	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.99	---	---	---
MW-12	06/03/2003	1000	---	13	7.2	29	166	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.99	14.72	0.00	350.27
MW-12	09/05/2003	1200	---	17	3.1	23	198	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.99	15.29	0.00	349.70
MW-12	11/25/2003	2000	---	29	<2.0	30	195.8	---	<2.0	<20	<4.0	<4.0	<4.0	---	---	---	---	---	---	---	364.99	15.25	0.00	349.74
MW-12	02/24/2004	1900	---	14	<1.0	10	41.5	---	7.3	16	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	364.99	16.03	0.00	348.96
MW-12	06/03/2004	640	---	5.2	<1.0	9.0	18.7	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.99	15.33	0.00	349.66

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-12	08/26/2004	670	---	5.4	<1.0	4.8	22	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	364.99	15.53	0.00	349.46
MW-12	10/06/2004	570	---	4.6	<1.0	4.7	10.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	364.99	15.60	0.00	349.39
MW-12	01/04/2005	800	---	5.7	2.0	24	101.1	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	364.99	14.59	0.00	350.40
MW-12	04/04/2005	1000	---	6.7	6.4	110	244	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	364.99	11.96	0.00	353.03
MW-12	07/19/2005	340	---	2.3	<1.0	19	12.2	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.99	12.63	0.00	352.36
MW-12	10/03/2005	300	---	1.4	<1.0	7.5	8.6	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	364.99	13.36	0.00	351.63
MW-12	01/09/2006	240	---	1.1	<0.50	4.7	6.8	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	1.9	364.99	14.24	0.00	350.75
MW-12	04/03/2006	220	---	0.66	<0.50	3.0	5.5	---	<1.0	19	<1.0	<1.0	<1.0	---	---	---	---	---	---	2.5	364.99	14.33	0.00	350.66
MW-12	07/10/2006	370	---	0.86	<0.50	6.9	18	<1.0	---	<10	<1.0	<1.0	<1.0	---	2.4	1.0	<0.15	62	---	---	364.99	14.51	0.00	350.48
MW-12	10/09/2006	150	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	0.11	1.0	<0.11	70	230	1.4	364.99	14.94	0.00	350.05
MW-12	01/08/2007	250	---	<0.50	<0.50	1.7	1.5	---	<1.0	<10	<1.0	<1.0	<1.0	---	1.3	1.0	<0.11	74	250	1.9	364.99	15.54	0.00	349.45
MW-12	04/09/2007	190	---	0.61	<0.50	2.3	7.2	---	<1.0	<10	<1.0	<1.0	<1.0	---	2.1	2.0	<0.11	51	---	---	364.99	16.00	0.00	348.99
MW-12	07/09/2007	120	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	0.74	1.0	<0.11	64	140	3.3	364.99	16.47	0.00	348.52
MW-12	10/08/2007	73	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	0.48	0.60	<0.11	36	300	2.5	364.99	16.20	0.00	348.79
MW-12	01/28/2008	300	---	0.74	<0.50	7.6	5.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	0.78	1.0	<0.11	43	260	1.6	364.99	15.29	0.00	349.70
MW-12	05/07/2008	820	---	2.8	1.1	8.2	22	---	<1.0	<10	<2.0	<2.0	<2.0	---	0.681	1.1	36	-23	6.21	---	364.99	14.80	0.00	350.19
MW-12	07/07/2008	390	---	1.9	<1.0	2.4	5.1	---	<1.0	<10	<2.0	<2.0	<2.0	<100	0.251	0.66	<0.10	39	39	3.49	364.99	14.83	0.00	350.16
MW-12	10/03/2008	610	---	1.4	<1.0	1.0	1.2	---	<1.0	<10	<2.0	<2.0	<2.0	<0.10	168	1.0	<0.10	40	-100	0.29	364.64	15.68	0.00	348.96
MW-12	01/21/2009	500	310	0.84	<1.0	2.2	4.6	---	<1.0	<10	<2.0	<2.0	<2.0	<0.10	---	---	---	---	---	---	364.64	14.84	0.00	349.80
MW-12	04/02/2009	720	330	2.5	<1.0	7.4	23	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.64	14.88	0.00	349.76
MW-12	07/20/2009	500	210	0.92	<1.0	<1.0	3.7	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.64	15.58	0.00	349.06
MW-12	10/20/2009	230	140	0.52	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<0.10	473	1.1	<0.10	39	-150	0.37	364.64	16.20	0.00	348.44
MW-12	01/26/2010	77	61	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.64	15.90	0.00	348.74
MW-12	04/07/2010	410	200	0.98	<1.0	7.3	7.5	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	364.64	15.64	0.00	349.00
MW-12	07/07/2010	720	350	1.3	<1.0	5.8	50	---	<1.0	<10	<2.0	<2.0	<2.0	<100	<50	<1.0	---	---	---	---	364.64	15.73	0.00	348.91
MW-12	10/18/2010	380	260	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<0.100	0.287	1.3	<0.10	39	---	2.38	364.64	16.32	0.00	348.32
MW-12	01/13/2011	110	<480	<0.50	<0.50	2.9	9.5	---	<1.0	<10	<1.0	<1.0	<1.0	<150	---	---	---	---	---	---	364.64	14.01	0.00	350.63
MW-12	04/11/2011	1300	480	1.8	0.73	81	110	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	364.64	13.80	0.00	350.84
MW-12	07/12/2011	460	<470	0.71	<0.50	18	13	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	364.64	14.32	0.00	350.32
MW-12	10/06/2011	260	<470	<0.50	<0.50	1.1	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	0.41	0.60	0.21	66	420	2.09	364.64	14.94	0.00	349.70
MW-12	**01/27/2012**	**200**	**<470**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**364.99**	**15.70**	**0.00**	**349.29**
MW-13	11/14/1990	600	---	40	20	<2.0	80	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	14.95	0.00	344.25
MW-13	03/18/1991	400	---	20	15	<2.0	60	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	14.51	0.00	344.69
MW-13	07/03/1991	80	---	6.0	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	14.03	0.00	345.17
MW-13	09/12/1991	<50	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	14.45	0.00	344.75
MW-13	01/15/1992	100	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	---	---	---
MW-13	01/30/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	15.05	0.00	344.15
MW-13	04/05/1992	---	---	100	100	70	300	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	13.94	0.00	345.26
MW-13	12/16/1992	---	---	140.8	69.4	76.7	167	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	14.96	0.00	344.24
MW-13	04/21/1993	13800	---	977.9	1174.4	443.1	1252.4	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	12.44	0.00	346.76
MW-13	08/04/1993	---	---	105.9	37	26.6	57.4	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	---	---	---

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-13	08/04/1993	---	---	105.9	37	26.6	57.4	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	13.15	0.00	346.05
MW-13	12/01/1993	1100	---	125.6	37.4	46.2	146.3	---	---	---	---	---	---	---	---	---	---	---	---	---	359.54	13.61	0.00	345.93
MW-13	01/13/1994	2000	---	260.7	91.8	91.4	293.5	---	---	---	---	---	---	---	---	---	---	---	---	---	359.54	13.79	0.00	345.75
MW-13	03/31/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	359.54	14.05	0.00	345.49
MW-13	04/07/1994	900	---	49	27.1	26.6	43.5	---	---	---	---	---	---	---	---	---	---	---	---	---	359.54	13.80	0.00	345.74
MW-13	07/07/1994	700	---	105.1	31.5	32	110.9	---	---	---	---	---	---	---	---	---	---	---	---	---	359.54	13.98	0.00	345.56
MW-13	10/06/1994	<500	---	55.7	10	16.7	83.5	---	---	---	---	---	---	---	---	---	---	---	---	---	359.54	14.81	0.00	344.73
MW-13	01/31/1995	<500	---	16.4	8.1	7.3	32	---	---	---	---	---	---	---	---	---	---	---	---	---	359.54	13.66	0.00	345.88
MW-13	04/06/1995	<500	---	34.4	4.5	10.7	36.7	---	---	---	---	---	---	---	---	---	---	---	---	0.8	359.54	12.16	0.00	347.38
MW-13	07/06/1995	600	---	34	21	12.4	65.7	---	---	---	---	---	---	---	---	---	---	---	---	1.7	359.54	12.91	0.00	346.63
MW-13	10/05/1995	800	---	38.3	15	17.4	98.5	---	---	---	---	---	---	---	---	---	---	---	---	1.9	359.54	13.72	0.00	345.82
MW-13	01/03/1996	3300	---	245.3	26.3	78.1	183.9	---	---	---	---	---	---	---	---	---	---	---	---	0.7	359.54	14.60	0.00	344.94
MW-13	04/04/1996	<500	---	9.9	1.9	4.6	25.9	20	---	---	---	---	---	---	---	---	---	---	---	1.9	359.54	13.83	0.00	345.71
MW-13	06/06/1996	500	---	17	8.3	18	72	70	---	---	---	---	---	---	---	---	---	---	---	1.7	359.54	14.11	0.00	345.43
MW-13	10/17/1996	<500	---	11	2.7	9.2	50	110	---	---	---	---	---	---	---	---	---	---	---	0.7	359.54	14.39	0.00	345.15
MW-13	12/19/1996	<500	---	7.0	1.8	5.1	23	65	---	---	---	---	---	---	---	---	---	---	---	1.0	359.54	13.97	0.00	345.57
MW-13	04/10/1997	<500	---	1.1	0.70	0.90	3.9	550	---	---	---	---	---	---	---	---	---	---	---	0.9	359.54	13.21	0.00	346.33
MW-13	07/24/1997	<500	---	2.1	0.50	0.80	5.0	1200	---	---	---	---	---	---	---	---	---	---	---	3.6	359.54	12.94	0.00	346.60
MW-13	02/06/1998	<500	---	0.4	1.0	1.0	2.0	746	1490	---	---	---	---	---	---	---	---	---	---	2.2	359.54	12.60	0.00	346.94
MW-13	03/30/1998	<500	---	<0.30	<0.30	<0.30	<0.60	2000	1600	---	---	---	---	---	---	---	---	---	---	1.5	359.54	11.06	0.00	348.48
MW-13	08/07/1998	<500	---	0.80	0.50	0.60	1.6	1200	---	---	---	---	---	---	---	---	---	---	---	1.2	359.54	11.78	0.00	347.76
MW-13	09/25/1998	---	---	<5.0	<5.0	<5.0	<15	---	1700	---	---	---	---	---	---	---	---	---	---	1.3	359.54	11.63	0.00	347.91
MW-13	11/24/1998	<500	---	2.2	1.0	3.1	5.3	2700	---	---	---	---	---	---	---	---	---	---	---	1.8	359.54	12.09	0.00	347.45
MW-13	03/30/1999	<500	---	2.2	1.9	3.9	8.6	5400	4300	---	---	---	---	---	---	---	---	---	---	1.7	359.54	12.65	0.00	346.89
MW-13	06/24/1999	1900	---	<5.0	<10	<10	<10	---	5700	<500	<20	<20	25	---	---	---	---	---	---	1.9	359.54	12.98	0.00	346.56
MW-13	09/16/1999	3900	---	<0.30	<0.30	4.9	11	8200	8500	---	---	---	---	---	---	---	---	---	---	1.3	359.54	12.99	0.00	346.55
MW-13	12/27/1999	3800	---	<50	<100	<100	<200	---	8900	<5000	<200	<200	<200	---	---	---	---	---	---	1.5	359.54	13.48	0.00	346.06
MW-13	03/24/2000	6600	---	<50	<100	<100	<200	---	18000	<5000	<200	<200	<200	---	---	---	---	---	---	2.5	359.54	13.30	0.00	346.24
MW-13	06/13/2000	8100	---	230	<200	<200	400	---	13000	<10000	<400	<400	<400	---	---	---	---	---	---	1.1	359.54	13.70	0.00	345.84
MW-13	09/13/2000	24000	---	<250	<500	<500	<1000	---	29000	<25000	<1000	<1000	<1000	---	---	---	---	---	---	1.5	359.54	13.00	0.00	346.54
MW-13	12/28/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	359.54	---	---	---
MW-13	03/05/2001	3300	---	<130	<250	<250	<250	---	36000	<13000	<500	<500	<500	---	---	---	---	---	---	9.24	359.54	12.58	0.00	346.96
MW-13	05/03/2001	2400	---	<130	<250	<250	400	---	11000	<13000	<500	<500	<500	---	---	---	---	---	---	10.42	359.54	12.24	0.00	347.30
MW-13	07/11/2001	14000	---	<130	<250	<250	<250	---	47000	<13000	<500	<500	<500	---	---	---	---	---	---	8.85	359.54	12.83	0.00	346.71
MW-13	11/07/2001	32000	---	<5.0	<10	<10	<10	---	43000	37000	<20	<20	47	<100	---	---	---	---	---	10.61	359.54	12.86	0.00	346.68
MW-13	03/06/2002	2400	---	<250	<500	<500	<500	---	55000	<25000	<1000	<1000	<1000	---	---	---	---	---	---	8.44	362.42	13.40	0.00	349.02
MW-13	06/21/2002	14000 a	---	<250	<500	<500	<500	---	39000	5400	<1000	<1000	<1000	<5000	---	---	---	---	---	9.90	362.42	14.30	0.00	348.12
MW-13	08/26/2002	42000	---	<1.0	<1.0	<1.0	<1.0	---	37000	6700 J	<10	<10	30	<5000	---	---	---	---	---	---	362.42	14.06	0.00	348.36
MW-13	11/01/2002	1500	---	<250	<500	<500	<500	---	49000	18000	<1000	<1000	<1000	<50000	---	---	---	---	---	---	362.42	14.21	0.00	348.21
MW-13	03/05/2003	9700	---	<250	<500	<500	<500	---	23000	17000	<1000	<1000	<1000	<100	---	---	---	---	---	---	362.42	13.05	0.00	349.37
MW-13	03/05/2003	1700	---	<130	<250	<250	<250	---	22000	16000	<500	<500	<500	<100	---	---	---	---	---	---	362.42	---	---	---
MW-13	06/03/2003	910	---	<130	<250	<250	<250	---	32000	20000	<500	<500	<500	<25000	---	---	---	---	---	---	362.42	12.14	0.00	350.28

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-13	09/05/2003	8400	---	<130	<250	<250	<250	---	22000	19000	<500	<500	<500	<100	---	---	---	---	---	---	362.42	12.53	0.00	349.89
MW-13	11/25/2003	2900	---	<130	<250	<250	<250	---	21000	26000	<500	<500	<500	---	---	---	---	---	---	---	362.42	12.83	0.00	349.59
MW-13	02/24/2004	3400	---	<130	<250	<250	<250	---	17000	26000	<500	<500	<500	<100	---	---	---	---	---	---	362.42	13.22	0.00	349.20
MW-13	06/03/2004	4100	---	<130	<250	<250	<250	---	14000	21000	<500	<500	<500	<25000	---	---	---	---	---	---	362.42	12.60	0.00	349.82
MW-13	08/26/2004	11000 a	---	<50	<100	<100	<100	---	13000	18000	<200	<200	<200	<10000	---	---	---	---	---	---	362.42	12.95	0.00	349.47
MW-13	10/06/2004	8000 a	---	<25	<50	<50	<50	---	7700	27000	<100	<100	<100	---	---	---	---	---	---	---	362.42	13.01	0.00	349.41
MW-13	01/04/2005	5100 a	---	<25	<50	<50	<50	---	8900	27000	<100	<100	<100	<5000	---	---	---	---	---	---	362.42	12.13	0.00	350.29
MW-13	04/04/2005	2600 a	---	<25	<50	<50	<50	---	3400	29000	<100	<100	<100	---	---	---	---	---	---	---	362.42	10.02	0.00	352.40
MW-13	07/19/2005	730	---	<25	<50	<50	<50	---	1900	14000	<100	<100	<100	<5000	---	---	---	---	---	---	362.42	10.35	0.00	352.07
MW-13	10/03/2005	980	---	<25	<50	<50	<50	---	1000	12000	<100	<100	<100	---	---	---	---	---	---	---	362.42	10.88	0.00	351.54
MW-13	01/09/2006	710	---	<25	<25	<25	<50	---	930	13000	<50	<50	<50	<7500	---	---	---	---	---	1.7	362.42	11.75	0.00	350.67
MW-13	04/03/2006	<1200	---	<12	<12	<12	<25	---	1200	12000	<25	<25	<25	---	---	---	---	---	---	2.6	362.42	11.84	0.00	350.58
MW-13	07/10/2006	1100	---	<10	<10	<10	<30	1100	---	11000	<20	<20	<20	<3000	0.59	0.40	<15	180	---	---	362.42	12.10	0.00	350.32
MW-13	10/09/2006	1000	---	<0.50	<0.50	<0.50	<1.0	---	1400	7000	6.2	<1.0	<1.0	---	0.070	0.30	<0.11	190	230	1.6	362.42	12.44	0.00	349.98
MW-13	01/08/2007	1200	---	<10	<10	<10	<20	---	1900	7800	<20	<20	<20	<3000	0.42	0.20	<0.11	210	240	2.1	362.42	12.99	0.00	349.43
MW-13	04/09/2007	1800	---	<10	<10	<10	<20	---	2700	7100	<20	<20	<20	---	0.34	0.20	<0.11	180	---	---	362.42	13.31	0.00	349.11
MW-13	07/09/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	362.42	able to acc	---	---
MW-13	07/27/2007	<2000	---	<20	<20	<20	<40	---	2800	7900	<40	<40	<40	---	0.46	0.20	<0.11	130	230	1.8	362.42	13.37	0.00	349.05
MW-13	10/08/2007	510	---	<1.0	<1.0	<1.0	<2.0	---	31	9900	<2.0	<2.0	<2.0	---	1.1	0.40	<0.11	98	320	2.5	362.42	13.23	0.00	349.19
MW-13	01/28/2008	1300	---	<5.0	<5.0	<5.0	<10	---	2400	5000	<10	<10	<10	<1500	0.14	0.40	<0.11	160	260	1.8	362.42	12.60	0.00	349.82
MW-13	05/07/2008	1300	---	<0.50	<1.0	1.1	1.5	---	1400	3300	2.1	<2.0	<2.0	---	0.0504	0.35	170	3.4	7.40	---	362.42	12.20	0.00	350.22
MW-13	07/07/2008	1100	---	<5.0	<10	<10	<10	---	1300	1800	<20	<20	<20	<1000	0.122	0.22	<0.10	200	42	2.04	362.42	12.13	0.00	350.29
MW-13	10/03/2008	2700	---	<5.0	<10	<10	<10	---	1700	2600	<20	<20	<20	<0.10	25.5	0.27	<0.10	170	-100	0.25	362.07	12.87	0.00	349.20
MW-13	01/21/2009	1100	<50	<5.0	<10	<10	<10	---	810	1300	<20	<20	<20	<1.0	---	---	---	---	---	---	362.07	12.30	0.00	349.77
MW-13	04/02/2009	1300	<50	<5.0	<10	<10	<10	---	1200	560	<20	<20	<20	<1000	---	---	---	---	---	---	362.07	12.34	0.00	349.73
MW-13	07/20/2009	1300	<50	<5.0	<10	<10	<10	---	770	450	<20	<20	<20	<1000	---	---	---	---	---	---	362.07	12.93	0.00	349.14
MW-13	10/20/2009	320	<50	<1.0	<2.0	<2.0	<2.0	---	270	380	<4.0	<4.0	<4.0	<0.2	298	0.38	<0.10	150	-150	0.21	362.07	13.39	0.00	348.68
MW-13	01/26/2010	220	62	<0.50	<1.0	<1.0	<1.0	---	140	180	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.07	12.74	0.00	349.33
MW-13	04/07/2010	580	<50	<0.50	<1.0	1.5	1.2	---	490	180	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.07	12.83	0.00	349.24
MW-13	07/07/2010	320	<50	<1.0	<2.0	<2.0	<2.0	---	280	170	<4.0	<4.0	<4.0	<200	---	---	---	---	---	---	362.07	13.03	0.00	349.04
MW-13	10/18/2010	620	<50	<2.5	<5.0	<5.0	<5.0	---	420	75	<10	<10	<10	<0.500	0.0823	0.29	<0.10	180	---	2.12	362.07	13.49	0.00	348.58
MW-13	01/13/2011	350 e	<470	<2.5	<2.5	<2.5	<5.0	---	460	<50	<5.0	<5.0	<5.0	<750	---	---	---	---	---	---	362.07	11.44	0.00	350.63
MW-13	04/11/2011	290	<470	<2.5	<2.5	<2.5	<5.0	---	300	<50	<5.0	<5.0	<5.0	---	---	---	---	---	---	---	362.07	11.30	0.00	350.77
MW-13	07/12/2011	<250	<470	<2.5	<2.5	<2.5	<5.0	---	250	67	<5.0	<5.0	<5.0	---	---	---	---	---	---	---	362.07	11.91	0.00	350.16
MW-13	10/06/2011	180	<470	<0.50	<0.50	<0.50	<1.0	---	170	25	<1.0	<1.0	<1.0	---	0.12	0.100	<0.110	190	420	1.09	362.07	13.24	0.00	348.83
MW-13	**01/27/2012**	**390**	**<470**	**<1.0**	**<1.0**	**<1.0**	**<2.0**	**---**	**280**	**<20**	**<2.0**	**<2.0**	**<2.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**362.42**	**12.90**	**0.00**	**349.52**
MW-14	01/30/1992	<500	---	<0.50	<1.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	14.20	0.00	345.00
MW-14	04/05/1992	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	13.00	0.00	346.20
MW-14	08/12/1992	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	13.26	0.00	345.94
MW-14	12/16/1992	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	13.57	0.00	345.63
MW-14	04/21/1993	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	11.41	0.00	347.79

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-14	06/03/1993	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	11.58	0.00	347.62
MW-14	08/04/1993	---	---	0.40	0.90	<0.30	1.0	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	12.05	0.00	347.15
MW-14	11/20/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	359.20	12.81	0.00	346.39
MW-14	12/01/1993	<500	---	2.9	9.4	0.90	5.2	---	---	---	---	---	---	---	---	---	---	---	---	---	360.29	12.91	0.00	347.38
MW-14	01/13/1994	<500	---	0.70	1.7	1.1	7.2	---	---	---	---	---	---	---	---	---	---	---	---	---	360.29	13.05	0.00	347.24
MW-14	03/31/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360.29	13.14	0.00	347.15
MW-14	04/07/1994	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.29	13.09	0.00	347.20
MW-14	07/07/1994	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.29	13.30	0.00	346.99
MW-14	10/06/1994	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.29	13.79	0.00	346.50
MW-14	01/31/1995	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	---	360.29	12.97	0.00	347.32
MW-14	04/06/1995	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	0.9	360.29	11.83	0.00	348.46
MW-14	07/06/1995	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	2.8	360.29	11.90	0.00	348.39
MW-14	10/05/1995	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	1.8	360.29	12.77	0.00	347.52
MW-14	01/03/1996	<500	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	---	---	---	---	---	---	1.6	360.29	13.54	0.00	346.75
MW-14	04/04/1996	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	2.0	360.29	13.11	0.00	347.18
MW-14	06/06/1996	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.0	360.29	13.30	0.00	346.99
MW-14	04/10/1997	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.7	360.29	12.58	0.00	347.71
MW-14	03/30/1998	<500	---	<0.30	<0.30	<0.30	<0.60	100	---	---	---	---	---	---	---	---	---	---	---	1.5	360.29	10.55	0.00	349.74
MW-14	08/07/1998	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.9	360.29	10.66	0.00	349.63
MW-14	09/25/1998	---	---	<5.0	<5.0	<5.0	<15	---	<20	---	---	---	---	---	---	---	---	---	---	1.6	360.29	10.92	0.00	349.37
MW-14	11/24/1998	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.3	360.29	11.42	0.00	348.87
MW-14	03/30/1999	<500	---	<0.30	<0.30	<0.30	<0.60	<10	---	---	---	---	---	---	---	---	---	---	---	1.5	360.29	11.99	0.00	348.30
MW-14	06/24/1999	<500	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.4	360.29	12.17	0.00	348.12
MW-14	09/16/1999	<500	---	<0.30	<0.30	<0.30	<0.60	<5.0	---	---	---	---	---	---	---	---	---	---	---	2.6	360.29	12.37	0.00	347.92
MW-14	12/27/1999	<500	---	<0.50	<1.0	<1.0	<2.0	---	1.6	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.6	360.29	12.81	0.00	347.48
MW-14	03/24/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	1.2	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	2.3	360.29	12.60	0.00	347.69
MW-14	06/13/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	1.1	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.7	360.29	12.75	0.00	347.54
MW-14	09/13/2000	<500	---	<0.50	<1.0	<1.0	<2.0	---	4.2	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	1.30	360.29	12.10	0.00	348.19
MW-14	12/28/2000	<500	---	<0.50	<1.0	<1.0	<1.0	---	2.1	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	96.49	13.22	0.00	83.27
MW-14	03/05/2001	<500	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.59	96.49	11.98	0.00	84.51
MW-14	05/03/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	4.7	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	9.58	96.49	11.80	0.00	84.69
MW-14	07/11/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	5.2	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.37	96.49	11.91	0.00	84.58
MW-14	11/07/2001	<100	---	<0.50	<1.0	<1.0	<1.0	---	4.6	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	7.30	96.49	12.23	0.00	84.26
MW-14	03/06/2002	<100	---	<0.50	<1.0	<1.0	<1.0	---	1.2	<50	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.62	362.22	12.88	0.00	349.34
MW-14	06/21/2002	<100	---	<0.50	<1.0	<1.0	<1.0	---	1.8	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	7.82	362.22	13.38	0.00	348.84
MW-14	08/26/2002	<50	---	<1.0	<1.0	<1.0	<1.0	---	<5.0	<50	<10	<10	<10	---	---	---	---	---	---	---	362.22	13.42	0.00	348.80
MW-14	11/01/2002	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.22	13.57	0.00	348.65
MW-14	03/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.22	12.22	0.00	350.00
MW-14	03/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.22	---	---	---
MW-14	06/03/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.22	11.50	0.00	350.72
MW-14	09/05/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.7	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.22	12.00	0.00	350.22
MW-14	11/25/2003	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	362.22	12.29	0.00	349.93

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-14	02/24/2004	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	362.22	12.54	0.00	349.68
MW-14	06/03/2004	<50	---	<0.50	<1.0	<1.0	<1.0	---	3.5	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.22	12.04	0.00	350.18
MW-14	08/26/2004	<50	---	<0.50	<1.0	<1.0	<1.0	---	2.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	362.22	12.40	0.00	349.82
MW-14	10/06/2004	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.3	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	362.22	12.54	0.00	349.68
MW-14	01/04/2005	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.7	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	362.22	11.69	0.00	350.53
MW-14	04/04/2005	<50	---	<0.50	<1.0	<1.0	<1.0	---	2.1	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	362.22	9.68	0.00	352.54
MW-14	07/19/2005	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.3	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.22	9.98	0.00	352.24
MW-14	10/03/2005	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	362.22	10.59	0.00	351.63
MW-14	01/09/2006	<50	---	<0.50	<0.50	<0.50	<1.0	---	1.1	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	362.22	11.23	0.00	350.99
MW-14	04/03/2006	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	362.22	11.25	0.00	350.97
MW-14	07/10/2006	<50	---	<0.50	<0.50	<0.50	<1.50	<1.0	---	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	362.22	11.57	0.00	350.65
MW-14	10/09/2006	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	362.22	11.88	0.00	350.34
MW-14	01/08/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	362.22	12.35	0.00	349.87
MW-14	04/09/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	362.22	12.66	0.00	349.56
MW-14	07/09/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	362.22	12.75	0.00	349.47
MW-14	10/08/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	362.22	12.71	0.00	349.51
MW-14	01/28/2008	62	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	362.22	11.99	0.00	350.23
MW-14	05/07/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	362.22	11.67	0.00	350.55
MW-14	07/07/2008	59	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.22	11.59	0.00	350.63
MW-14	10/03/2008	90	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<0.10	---	---	---	---	---	---	361.87	12.10	0.00	349.77
MW-14	01/21/2009	72	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<0.10	---	---	---	---	---	---	361.87	11.79	0.00	350.08
MW-14	04/02/2009	79	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	361.87	11.80	0.00	350.07
MW-14	07/20/2009	130	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	361.87	12.18	0.00	349.69
MW-14	10/20/2009	71	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<0.10	0.00407	<0.10	4.8	240	-150	0.25	361.87	12.71	0.00	349.16
MW-14	01/26/2010	110	51	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	361.87	12.03	0.00	349.84
MW-14	04/07/2010	170	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	361.87	12.20	0.00	349.67
MW-14	07/07/2010	77	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	<50	<1.0	---	---	---	---	361.87	12.38	0.00	349.49
MW-14	10/18/2010	93	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<0.100	<0.00100	0.13	4.6	230	---	0.59	361.87	12.87	0.00	349.00
MW-14	01/13/2011	69 e	<480	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	<150	---	---	---	---	---	---	361.87	10.90	0.00	350.97
MW-14	04/11/2011	59	<470	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	361.87	10.80	0.00	351.07
MW-14	07/12/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	361.87	11.28	0.00	350.59
MW-14	10/06/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	0.0041	<0.100	2.7	250	410	1.84	361.87	11.54	0.00	350.33
MW-14	**01/23/2012**	**54**	**<470**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**362.22**	**12.33**	0.00	**349.89**
MW-15	12/28/2000	55000	---	<10	<20	<20	<20	---	82000	31000	<40	<40	69	---	---	---	---	---	---	---	97.56	14.51	0.00	83.05
MW-15	03/05/2001	4300	---	<250	<500	<500	<500	---	69000	29000	<1000	<1000	<1000	---	---	---	---	---	---	9.06	97.56	13.31	0.00	84.25
MW-15	05/03/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-15	07/11/2001	24000	---	<250	<500	<500	<500	---	90000	51000	<1000	<1000	<1000	---	---	---	---	---	---	8.37	97.56	13.19	---	84.37
MW-15	11/07/2001	53000 a	---	<10	<20	<20	<20	---	120000	400000	<40	<40	63	<100	---	---	---	---	---	7.41	97.56	13.50	0.00	84.06
MW-15	03/06/2002	1800 a	---	<130	<250	<250	<250	---	24000	50000	<500	<500	<500	---	---	---	---	---	---	10.95	363.29	14.15	0.00	349.14
MW-15	06/21/2002	13000 a	---	<130	<250	<250	<250	---	24000	96000	<500	<500	<500	<25000	---	---	---	---	---	8.36	363.29	15.05	0.00	348.24
MW-15	08/26/2002	9200	---	<1.0	<1.0	<1.0	<1.0	---	8600	44000	<10	<10	<10	<5000	---	---	---	---	---	---	363.29	14.71	0.00	348.58

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*TPHd (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260B (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*ETH (µg/L)*	*CH_4 (mg/L)*	*Fe^{2+} (mg/L)*	*NO_3 (mg/L)*	*SO_4 (mg/L)*	*ORP (mV)*	*DO (ppm)*	*TOC (ft MSL)*	*DTW (ft TOC)*	*SPH (ft)*	*GWE (ft MSL)*
MW-15	11/01/2002	960	---	<13	<25	<25	<25	---	550	7300	<50	<50	<50	<2500	---	---	---	---	---	---	363.29	14.85	0.00	348.44
MW-15	03/05/2003	2200	---	<5.0	<10	<10	<10	---	3000	56000	<20	<20	<20	<100	---	---	---	---	---	---	363.29	13.62	0.00	349.67
MW-15	03/05/2003	510	---	<13	<25	<25	<25	---	2200	43000	<50	<50	<50	<100	---	---	---	---	---	---	363.29	---	---	---
MW-15	06/03/2003	500	---	<130	<250	<250	<250	---	3700	68000	<500	<500	<500	<25000	---	---	---	---	---	---	363.29	12.82	0.00	350.47
MW-15	09/05/2003	2700	---	<100	<200	<200	<200	---	4000	39000	<400	<400	<400	<100	---	---	---	---	---	---	363.29	13.25	0.00	350.04
MW-15	11/25/2003	1400 a	---	<50	<100	<100	<100	---	6200	29000	<200	<200	<200	---	---	---	---	---	---	---	363.29	13.63	0.00	349.66
MW-15	02/24/2004	1600 a	---	<50	<100	<100	<100	---	5600	40000	<200	<200	<200	<100	---	---	---	---	---	---	363.29	13.88	0.00	349.41
MW-15	06/03/2004	2300	---	<50	<100	<100	<100	---	3800	24000	<200	<200	<200	<10000	---	---	---	---	---	---	363.29	13.30	0.00	349.99
MW-15	08/26/2004	3700 a	---	<25	<50	<50	<50	---	3400	20000	<100	<100	<100	<5000	---	---	---	---	---	---	363.29	13.72	0.00	349.57
MW-15	10/06/2004	2000 a	---	<13	<25	<25	<25	---	2900	25000	<50	<50	<50	---	---	---	---	---	---	---	363.29	13.80	0.00	349.49
MW-15	01/04/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	363.29	---	---	---
MW-15	04/04/2005	1900 a	---	<25	<50	<50	<50	---	2200	28000	<100	<100	<100	---	---	---	---	---	---	---	363.29	10.67	0.00	352.62
MW-15	07/19/2005	350	---	<25	<50	<50	<50	---	2800	14000	<100	<100	<100	<5000	---	---	---	---	---	---	363.29	11.17	0.00	352.12
MW-15	10/03/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	363.29	---	---	---
MW-15	10/04/2005	370	---	<13	<25	<25	<25	---	1400	11000	<50	<50	<50	1	---	---	---	---	---	---	363.29	11.89	0.00	351.40
MW-15	01/09/2006	810	---	<2.5	<2.5	<2.5	<5.0	---	170	1100	<5.0	<5.0	<5.0	<750	---	---	---	---	---	2.4	363.29	12.46	0.00	350.83
MW-15	04/03/2006	880	---	<12	<12	<12	<25	---	1600	6100	<25	<25	<25	---	---	---	---	---	---	17	363.29	12.55	0.00	350.74
MW-15	07/10/2006	560	<0.47	<10	<10	<10	<30	620	---	1600	<20	<20	<20	<3000	<0.050	<0.10	0.35	190	---	---	363.29	12.82	0.00	350.47
MW-15	10/09/2006	<50	<530	<0.50	<0.50	<0.50	<1.0	---	29	270	<1.0	<1.0	<1.0	---	<0.050	<0.10	0.25	260	270	15	363.29	13.18	0.00	350.11
MW-15	01/08/2007	110	<470	<1.0	<1.0	<1.0	<2.0	---	55	1900	<2.0	<2.0	<2.0	<300	<0.050	<0.10	<0.11	320	240	2.5	363.29	13.68	0.00	349.61
MW-15	04/09/2007	930	<470	<10	<10	<10	<20	---	1600	8600	<20	<20	<20	---	<0.050	<0.10	<0.11	170	---	---	363.29	13.97	0.00	349.32
MW-15	07/09/2007	<1000	<470	<10	<10	<10	<20	---	430	8500	<20	<20	<20	<3000	0.0082	<0.10	<0.11	190	140	2.8	363.29	14.03	0.00	349.26
MW-15	10/08/2007	140	---	<1.0	<1.0	<1.0	<2.0	---	24	8100	<2.0	<2.0	<2.0	---	0.0080	<0.10	<0.11	170	340	3.0	363.29	13.98	0.00	349.31
MW-15	01/28/2008	<500	---	<5.0	<5.0	<5.0	<10	---	36	3700	<10	<10	<10	<1500	0.0084	<0.10	<0.11	160	290	1.8	363.29	13.28	0.00	350.01
MW-15	05/07/2008	150	---	<1.0	<2.0	<2.0	<2.0	---	24	1800	<4.0	<4.0	<4.0	---	0.0030	<0.10	220	82	6.54	---	363.29	12.93	0.00	350.36
MW-15	07/07/2008	250	<500	<0.50	<1.0	<1.0	<1.0	---	16	2700	<2.0	<2.0	<2.0	<100	0.00662	<0.10	<0.10	260	260	4.17	363.29	12.90	0.00	350.39
MW-15	10/03/2008	180	---	<0.50	<1.0	<1.0	<1.0	---	23	4300	<2.0	<2.0	<2.0	<0.10	2.32	<0.10	<0.10	270	-50	0.11	362.93	13.44	0.00	349.49
MW-15	01/21/2009	110	<50	<0.50	<1.0	<1.0	<1.0	---	14	950	<2.0	<2.0	<2.0	<0.10	---	---	---	---	---	---	362.93	15.05	0.00	347.88
MW-15	04/02/2009	75	<50	<0.50	<1.0	<1.0	<1.0	---	42	87	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.93	12.95	0.00	349.98
MW-15	07/20/2009	110	<50	<0.50	<1.0	<1.0	<1.0	---	61	16	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.93	13.50	0.00	349.43
MW-15	10/20/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	5.3	<10	<2.0	<2.0	<2.0	<0.10	0.00300	<0.10	<0.10	320	-150	0.92	362.69	13.82	0.00	348.87
MW-15	01/26/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	2.6	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.69	13.13	0.00	349.56
MW-15	04/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	18	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	362.69	13.20	0.00	349.49
MW-15	07/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	6.3	<10	<2.0	<2.0	<2.0	<100	<50	<1.0	---	---	---	---	362.69	13.45	0.00	349.24
MW-15	10/18/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	---	14	<10	<2.0	<2.0	<2.0	<0.100	0.00746	0.19	<0.10	230	---	1.12	362.69	14.01	0.00	348.68
MW-15	01/13/2011	<50	<480	<0.50	<0.50	<0.50	<1.0	---	15	<10	<1.0	<1.0	<1.0	<150	---	---	---	---	---	---	362.69	11.88	0.00	350.81
MW-15	04/11/2011	59	<470	<0.50	<0.50	<0.50	<1.0	---	76	170	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	362.69	11.75	0.00	350.94
MW-15	07/12/2011	160 QP	<480	<0.50	<0.50	<0.50	<1.0	---	220	860	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	362.69	12.45	0.00	350.24
MW-15	10/06/2011	130	<470	<1.2	<1.2	<1.2	<2.5	---	110	690	<2.5	<2.5	<2.5	---	43	<0.100	<110	290	410	0.40	362.69	12.63	0.00	350.06
MW-15	**01/23/2012**	**<50**	**<500**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**17**	**31**	**<1.0**	**<1.0**	**<1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**363.29**	**13.34**	0.00	**349.95**
MW-16	12/28/2000	7000	---	<10	<20	<20	<20	---	11000	6200	<40	<40	<40	---	---	---	---	---	---	---	97.68	14.64	0.00	83.04

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	Date	TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETH (µg/L)	CH_4 (mg/L)	Fe^{2+} (mg/L)	NO_3 (mg/L)	SO_4 (mg/L)	ORP (mV)	DO (ppm)	TOC (ft MSL)	DTW (ft TOC)	SPH (ft)	GWE (ft MSL)
MW-16	03/05/2001	1900	---	<50	<100	<100	<100	---	8600	5700	<200	<200	<200	---	---	---	---	---	---	8.64	97.68	13.31	0.00	84.37
MW-16	05/03/2001	2900	---	<50	<100	<100	<100	---	9700	11000	<200	<200	<200	---	---	---	---	---	---	8.84	97.68	13.13	0.00	84.55
MW-16	07/11/2001	2400	---	<50	<100	<100	<100	---	7000	7500	<200	<200	<200	---	---	---	---	---	---	8.72	97.68	13.24	0.00	84.44
MW-16	11/07/2001	2200 a	---	<0.50	<1.0	<1.0	<1.0	---	4500	14000	<2.0	<2.0	3.5	---	---	---	---	---	---	7.51	97.68	14.15	0.00	83.53
MW-16	03/06/2002	520 a	---	<0.50	<1.0	<1.0	<1.0	---	1800	4200	<2.0	<2.0	<2.0	---	---	---	---	---	---	8.43	363.42	14.20	0.00	349.22
MW-16	06/21/2002	900 a	---	<10	<20	<20	<20	---	1300	3200	<40	<40	<40	<2000	---	---	---	---	---	8.55	363.42	14.85	0.00	348.57
MW-16	08/26/2002	1100	---	<1.0	<1.0	<1.0	<1.0	---	800	2400	<10	<10	<10	---	---	---	---	---	---	---	363.42	14.77	0.00	348.65
MW-16	11/01/2002	350	---	<5.0	<10	<10	<10	---	750	3000	<20	<20	<20	<1000	---	---	---	---	---	---	363.42	14.99	0.00	348.43
MW-16	03/05/2003	170	---	<5.0	<10	<10	<10	---	360	1500	<20	<20	<20	<1000	---	---	---	---	---	---	363.42	13.59	0.00	349.83
MW-16	03/05/2003	150	---	<5.0	<10	<10	<10	---	360	770	<20	<20	<20	<1000	---	---	---	---	---	---	363.42	---	---	---
MW-16	06/03/2003	110	---	<5.0	<10	<10	<10	---	370	1100	<20	<20	<20	<1000	---	---	---	---	---	---	363.42	12.89	0.00	350.53
MW-16	09/05/2003	150	---	<2.5	<5.0	<5.0	<5.0	---	230	1500	<10	<10	<10	<100	---	---	---	---	---	---	363.42	13.35	0.00	350.07
MW-16	11/25/2003	160 a	---	<2.5	<5.0	<5.0	<5.0	---	270	620	<10	<10	<10	---	---	---	---	---	---	---	363.42	13.64	0.00	349.78
MW-16	02/24/2004	190	---	<2.5	<5.0	<5.0	<5.0	---	250	300	<10	<10	<10	---	---	---	---	---	---	---	363.42	14.90	0.00	348.52
MW-16	06/03/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	363.42	---	---	---
MW-16	08/26/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	363.42	---	---	---
MW-16	10/06/2004	140 a	---	<0.50	<1.0	<1.0	<1.0	---	130	28	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	363.42	13.85	0.00	349.57
MW-16	01/04/2005	75 a	---	<0.50	<1.0	<1.0	<1.0	---	110	10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	363.42	12.90	0.00	350.52
MW-16	04/04/2005	<50	---	<0.50	<1.0	<1.0	<1.0	---	40	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	363.42	11.01	0.00	352.41
MW-16	07/19/2005	<50	---	<0.50	<1.0	<1.0	<1.0	---	26	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.42	11.33	0.00	352.09
MW-16	10/03/2005	<50	---	<0.50	<1.0	<1.0	<1.0	---	20	<10	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	363.42	11.99	0.00	351.43
MW-16	01/09/2006	<50	---	<0.50	<0.50	<0.50	<1.0	---	52	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	1.6	363.42	12.60	0.00	350.82
MW-16	04/03/2006	<50	---	<0.50	<0.50	<0.50	<1.0	---	42	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	3.8	363.42	12.66	0.00	350.76
MW-16	07/10/2006	<50	<0.47	<0.50	<0.50	<0.50	<1.50	45	---	<10	<1.0	<1.0	<1.0	---	<0.050	<0.10	0.86	140	---	---	363.42	12.93	0.00	350.49
MW-16	10/09/2006	<50	<470	<0.50	<0.50	<0.50	<1.0	---	33	<10	<1.0	<1.0	<1.0	---	<0.050	<0.10	1.3	160	250	2.8	363.42	13.26	0.00	350.16
MW-16	01/08/2007	50	<470	<0.50	<0.50	<0.50	<1.0	---	47	<10	<1.0	<1.0	<1.0	---	<0.050	<0.10	1.9	180	300	2.5	363.42	13.90	0.00	349.52
MW-16	04/09/2007	<50	<470	<0.50	<0.50	<0.50	<1.0	---	48	<10	<1.0	<1.0	<1.0	---	<0.050	<0.10	2.0	170	---	---	363.42	14.05	0.00	349.37
MW-16	07/09/2007	<50	<470	<0.50	<0.50	<0.50	<1.0	---	40	<10	<1.0	<1.0	<1.0	---	<0.001	<0.10	2.4	250	150	3.1	363.42	14.12	0.00	349.30
MW-16	10/08/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	21	<10	<1.0	<1.0	<1.0	---	<0.0010	<0.10	1.7	260	370	3.3	363.42	14.15	0.00	349.27
MW-16	01/28/2008	<50	---	<0.50	<0.50	<0.50	<1.0	---	25	<10	<1.0	<1.0	<1.0	---	<0.0010	<0.10	4.0	210	300	2.0	363.42	13.35	0.00	350.07
MW-16	05/07/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	25	<10	<2.0	<2.0	<2.0	---	<0.0010	<0.10	240	86	3.58	---	363.42	13.05	0.00	350.37
MW-16	07/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.0010	<0.10	220	190	4.19	---	363.42	able to acc	---	---
MW-16	08/06/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	19	<10	<2.0	<2.0	<2.0	<100	<1.00	<0.10	1.6	240	-35	0.18	363.08	13.22	0.00	349.86
MW-16	10/03/2008	77	---	<0.50	<1.0	<1.0	<1.0	---	27	<10	<2.0	<2.0	<2.0	<0.10	---	---	---	---	---	---	363.08	13.39	0.00	349.69
MW-16	01/21/2009	110	<50	14	<1.0	<1.0	2.2	---	20	<10	<2.0	<2.0	<2.0	<0.10	---	---	---	---	---	---	363.08	13.13	0.00	349.95
MW-16	04/02/2009	150	<50	22	4.1	1.5	4.3	---	22	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.08	13.10	0.00	349.98
MW-16	07/20/2009	150	<50	22	8.6	3.7	5.4	---	22	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.08	13.58	0.00	349.50
MW-16	10/20/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	---	14	10	<2.0	<2.0	<2.0	<0.10	0.00500	<0.10	2.2	260	-140	0.91	363.08	14.00	0.00	349.08
MW-16	01/26/2010	65	<50	<0.50	<1.0	<1.0	<1.0	---	10	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.08	13.46	0.00	349.62
MW-16	04/07/2010	100	<50	<0.50	<1.0	<1.0	<1.0	---	18	<10	<2.0	<2.0	<2.0	<100	---	---	---	---	---	---	363.08	13.50	0.00	349.58
MW-16	07/07/2010	58	<50	<0.50	<1.0	<1.0	<1.0	---	16	<10	<2.0	<2.0	<2.0	<100	<50	<1.0	---	---	---	---	363.08	14.19	0.00	348.89
MW-16	10/18/2010	77	<50	<0.50	<1.0	<1.0	<1.0	---	15	<10	<2.0	<2.0	<2.0	<0.100	0.00125	<0.10	3.9	220	---	0.35	363.08	14.22	0.00	348.86

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*TPHd (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260B (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*ETH (µg/L)*	*CH_4 (mg/L)*	*Fe^{2+} (mg/L)*	*NO_3 (mg/L)*	*SO_4 (mg/L)*	*ORP (mV)*	*DO (ppm)*	*TOC (ft MSL)*	*DTW (ft TOC)*	*SPH (ft)*	*GWE (ft MSL)*
MW-16	01/13/2011	63 e	<480	<0.50	42	1.8	<1.0	---	12	<10	<1.0	<1.0	<1.0	<150	---	---	---	---	---	---	363.08	12.22	0.00	350.86
MW-16	04/11/2011	53	<470	<0.50	<0.50	<0.50	<1.0	---	22	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	363.08	12.17	0.00	350.91
MW-16	07/12/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	19	<10	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	363.08	12.68	0.00	350.40
MW-16	10/06/2011	<50	<470	<0.50	<0.50	<0.50	<1.0	---	16	<10	<1.0	<1.0	<1.0	---	0.0097	<0.100	1.50	200	410	1.51	363.08	12.95	0.00	350.13
MW-16	**01/23/2012**	**<50**	**<470**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**12**	**<10**	**<1.0**	**<1.0**	**<1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**363.42**	**13.68**	0.00	**349.74**
MW-17	03/21/2002	780 a	---	<5.0	<10	<10	<10	---	16000	1000	<20	<20	<20	<1000	---	---	---	---	---	10.48	361.59	12.92	0.00	348.67
MW-17	06/21/2002	8100 a	---	<50	<100	<100	<100	---	15000	<1000	<200	<200	<200	<10000	---	---	---	---	---	9.93	361.59	13.69	0.00	347.90
MW-17	08/26/2002	14000	---	<1.0	<1.0	<1.0	<1.0	---	13000	920	<10	<10	10	---	---	---	---	---	---	---	361.59	13.48	0.00	348.11
MW-17	11/01/2002	1100	---	<50	<100	<100	<100	---	18000	6900	<200	<200	<200	<10000	---	---	---	---	---	---	361.59	13.67	0.00	347.92
MW-17	03/05/2003	5000	---	<50	<100	<100	<100	---	17000	1600	<200	<200	<200	<10000	---	---	---	---	---	---	361.59	12.39	0.00	349.20
MW-17	03/05/2003	960	---	<100	<200	<200	<200	---	11000	<2000	<400	<400	<400	<20000	---	---	---	---	---	---	361.59	---	---	---
MW-17	06/03/2003	620	---	<50	<100	<100	<100	---	9300	1100	<200	<200	<200	<10000	---	---	---	---	---	---	361.59	11.63	0.00	349.96
MW-17	09/05/2003	3700	---	<50	<100	<100	<100	---	8400	1100	<200	<200	<200	<100	---	---	---	---	---	---	361.59	12.30	0.00	349.29
MW-17	11/25/2003	1500 a	---	<50	<100	<100	<100	---	7400	<1000	<200	<200	<200	---	---	---	---	---	---	---	361.59	12.34	0.00	349.25
MW-17	02/24/2004	1700	---	<50	<100	<100	<100	---	6700	<1000	<200	<200	<200	---	---	---	---	---	---	---	361.59	12.65	0.00	348.94
MW-17	06/03/2004	2700	---	<50	<100	<100	<100	---	5700	<1000	<200	<200	<200	<10000	---	---	---	---	---	---	361.59	12.14	0.00	349.45
MW-17	08/26/2004	3600 a	---	<25	<50	<50	<50	---	5200	<500	<100	<100	<100	---	---	---	---	---	---	---	361.59	12.39	0.00	349.20
MW-17	10/06/2004	2200 a	---	<13	<25	<25	<25	---	3700	<250	<50	<50	<50	---	---	---	---	---	---	---	361.59	12.53	0.00	349.06
MW-17	01/04/2005	2700 a	---	<13	<25	<25	<25	---	5100	<250	<50	<50	<50	---	---	---	---	---	---	---	361.59	11.63	0.00	349.96
MW-17	04/04/2005	3100 a	---	<25	<50	<50	<50	---	5200	<500	<100	<100	<100	---	---	---	---	---	---	---	361.59	9.63	0.00	351.96
MW-17	07/19/2005	390 a	---	<25	<50	<50	<50	---	3900	1600	<100	<100	<100	<5000	---	---	---	---	---	---	361.59	9.97	0.00	351.62
MW-17	10/03/2005	3200 a	---	<25	<50	<50	<50	---	5400	4600	<100	<100	<100	---	---	---	---	---	---	---	361.59	10.61	0.00	350.98
MW-17	01/09/2006	1200	---	<50	<50	<50	<100	---	5300	4100	<100	<100	<100	---	---	---	---	---	---	3.2	361.59	11.30	0.00	350.29
MW-17	04/03/2006	<5000	---	<50	<50	<50	<100	---	6100	5900	<100	<100	<100	---	---	---	---	---	---	3.9	361.59	11.35	0.00	350.24
MW-17	07/10/2006	1600	<0.47	<12	<12	<12	<37	5600	---	7800	<25	<25	<25	---	<0.050	<0.10	0.34	180	---	---	361.59	11.58	0.00	350.01
MW-17	10/09/2006	2000	<470	<0.50	<0.50	<0.50	<1.0	---	5000	5600	<1.0	<1.0	4.4	---	<0.050	<0.10	<0.22	190	250	1.9	361.59	12.21	0.00	349.38
MW-17	01/08/2007	2200	<470	<10	<10	<10	<20	---	5100	5000	<20	<20	<20	---	<0.050	<0.10	<0.11	190	280	2.6	361.59	12.52	0.00	349.07
MW-17	04/09/2007	<5000	<470	<50	<50	<50	<100	---	3800	3100	<100	<100	<100	---	<0.050	<0.10	<0.11	170	---	---	361.59	12.54	0.00	349.05
MW-17	07/09/2007	2600	<470	<25	<25	<25	<50	---	3600	3800	<50	<50	<50	---	0.0024	<0.10	<0.11	210	150	3.8	361.59	12.78	0.00	348.81
MW-17	10/08/2007	1000	---	<1.0	<1.0	<1.0	<2.0	---	3600	2900	<2.0	<2.0	3.2	---	0.0041	<0.10	<0.11	170	580	2.8	361.59	12.70	0.00	348.89
MW-17	01/28/2008	<2000	---	<20	<20	<20	<40	---	2900	1100	<40	<40	<40	---	0.0032	<0.10	0.16	180	320	2.7	361.59	12.02	0.00	349.57
MW-17	05/07/2008	1500	---	<5.0	<10	<10	<10	---	1200	<100	<20	<20	<20	---	<0.0010	<0.10	180	94	7.84	---	361.59	11.77	0.00	349.82
MW-17	07/07/2008	1400	<500	<0.50	<1.0	<1.0	<1.0	---	2100	66	<2.0	<2.0	<2.0	<100	0.00596	<0.10	<0.10	230	140	3.19	361.59	11.57	0.00	350.02
MW-17	10/03/2008	3600	---	<10	<20	<20	<20	---	2800	<200	<40	<40	<40	<0.10	<1.00	<0.10	<0.10	200	-42	0.25	361.59	12.40	0.00	349.19
MW-17	01/21/2009	1600	<50	<10	<20	<20	<20	---	1300	<200	<40	<40	<40	<2.0	---	---	---	---	---	---	361.59	11.89	0.00	349.70
MW-17	04/02/2009	2400	<50	<10	<20	<20	<20	---	2300	<200	<40	<40	<40	<2000	---	---	---	---	---	---	361.59	11.70	0.00	349.89
MW-17	07/20/2009	1700	<50	<5.0	<10	<10	<10	---	1300	<100	<20	<20	<20	<1000	---	---	---	---	---	---	361.59	12.37	0.00	349.22
MW-17	10/20/2009	1000	<50	<5.0	<10	<10	<10	---	940	<100	<20	<20	<20	<1.0	<0.00100	<0.10	0.36	180	-130	0.62	361.59	12.78	0.00	348.81
MW-17	01/26/2010	990	<50	<5.0	<10	<10	<10	---	830	<100	<20	<20	<20	<1000	---	---	---	---	---	---	361.59	12.11	0.00	349.48
MW-17	04/07/2010	840	<50	<5.0	<10	<10	<10	---	1100	<100	<20	<20	<20	<1000	---	---	---	---	---	---	361.59	12.10	0.00	349.49
MW-17	07/07/2010	790	<50	<5.0	<10	<10	<10	---	820	<100	<20	<20	<20	<1000	<500	<10	---	---	---	---	361.59	12.60	0.00	348.99

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*TPHd (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260B (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*ETH (µg/L)*	*CH_4 (mg/L)*	*Fe^{2+} (mg/L)*	*NO_3 (mg/L)*	*SO_4 (mg/L)*	*ORP (mV)*	*DO (ppm)*	*TOC (ft MSL)*	*DTW (ft TOC)*	*SPH (ft)*	*GWE (ft MSL)*
MW-17	10/18/2010	110	66	<0.50	<1.0	<1.0	<1.0	---	93	<10	<2.0	<2.0	<2.0	<0.100	<0.00100	<0.10	0.92	190	---	1.82	361.59	13.02	0.00	348.57
MW-17	01/13/2011	310	<480	<2.5	<2.5	<2.5	<5.0	---	560	<50	<5.0	<5.0	<5.0	<750	---	---	---	---	---	---	361.59	10.84	0.00	350.75
MW-17	04/11/2011	630 e	<470	<5.0	<5.0	<5.0	<10	---	1200	<100	<10	<10	<10	---	---	---	---	---	---	---	361.59	10.82	0.00	350.77
MW-17	07/12/2011	280 QP	<470	<2.0	<2.0	<2.0	<4.0	---	430	110	<4.0	<4.0	<4.0	---	---	---	---	---	---	---	361.59	11.40	0.00	350.19
MW-17	10/06/2011	240	<470	<1.2	<1.2	<1.2	<2.5	---	250	<25	<2.5	<2.5	<2.5	---	<0.0010	<0.100	1.50	230	410	3.14	361.59	11.68	0.00	349.91
MW-17	**01/27/2012**	**420**	**<470**	**<2.0**	**<2.0**	**<2.0**	**<4.0**	**---**	**420**	**<40**	**<4.0**	**<4.0**	**<4.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**361.59**	**12.36**	0.00	**349.23**

Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline, analyzed by California EPA Method 8015B or EPA 8260B
TPHd = Total petroleum hydrocarbons as diesel, analyzed by EPA Method 8015B
BTEX = Benzene, toluene, ethylbenzene, xylenes, analyzed by California EPA Method 8015B or EPA 8260B
MTBE = Methyl tertiary butyl ether analyzed by California EPA Method 8020 or EPA 8260B
TBA = Tertiary-butyl alcohol, analyzed by California EPA Method 8015B or EPA 8260B
DIPE = Di-isopropyl ether, analyzed by California EPA Method 8015B or EPA 8260B
ETBE = Ethyl tertiary-butyl ether, analyzed by California EPA Method 8015B or EPA 8260B
TAME = Tertiary-amyl methyl ether, analyzed by California EPA Method 8015B or EPA 8260B
ETH = Ethanol, analyzed by California EPA Method 8015B or EPA 8260B
CH_4 = Methane is analyzed by RSK-175M
Fe^{2+} = Ferrous Iron is analyzed by SM 3500-Fe D
NO_3 = Nitrate-N, analyzed by EPA 300.0
SO_4 = Sulfate are analyzed by EPA 300.0
ORP = Oxidation reduction potential
DO = Dissolved oxygen
TOC = Top of casing
DTW = Depth to water
SPH = Separate phase hydrocarbons, thickness measured
GWE = Groundwater elevation
µg/L = Micrograms per liter
mg/L = Milligrams per liter
mV = millivolts
ppm = Parts per million
ft MSL = Feet above mean sea level
ft TOC = Feet below TOC
ft = feet
--- = Not applicable
<n = Below detection limit

TABLE 3

HISTORICAL GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*TPHd (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260B (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*ETH (µg/L)*	*CH_4 (mg/L)*	*Fe^{2+} (mg/L)*	*NO_3 (mg/L)*	*SO_4 (mg/L)*	*ORP (mV)*	*DO (ppm)*	*TOC (ft MSL)*	*DTW (ft TOC)*	*SPH (ft)*	*GWE (ft MSL)*

Notes:

a = The sample chromatographic pattern for TPD

d = The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide usef

e = Hydrocarbon result partly due to iividual peak(s) in quantitation range.

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-1	12/27/1999	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-1	3/24/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-1	6/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-1	9/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-1	12/28/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW-1	3/5/2001	---	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	---	<1.0	<1.0	---	
MW-1	5/3/2001	17	---	---	<0.50	<0.50	<1.0	<10	<1.0	2.3	<1.0	<1.0	<1.0	---	
MW-1	7/11/2001	<10	---	---	<1.0	<0.50	<1.0	10	<1.0	1.2	<1.0	<1.0	<1.0	---	
MW-1	11/7/2001	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-1	3/6/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-1	6/21/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-1	8/26/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	---	<1.0	<1.0	---	
MW-1	11/1/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-1	3/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	Pre-purge sample
MW-1	3/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	1.1	<1.0	<1.0	<1.0	---	Post-purge sample
MW-1	6/3/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	2.1	<1.0	<1.0	<1.0	---	
MW-1	9/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-1	11/25/2003	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-1	11/26/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	4	---	<1.0	<1.0	---	
MW-1	2/24/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-1	1/4/2005	<10	---	---	2.4	<1.0	<1.0	<10	<1.0	7.8	<1.0	<1.0	<1.0	---	
MW-1	1/9/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-1	1/8/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-1	1/28/2008	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	8.5	<1.0	<1.0	<1.0	<500	
MW-1	1/21/2009	---	---	---	---	---	<1.0	<10	<1.0	<1.0	---	<1.0	---	---	
MW-1	4/2/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	3.3	<1.0	<1.0	<1.0	---	
MW-1	7/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	4	<1.0	<1.0	<1.0	---	
MW-1	10/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	6.9	<1.0	<1.0	<1.0	<100	
MW-1	1/26/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	24	1.6	<1.0	<1.0	---	
MW-1	4/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	20	1.9	<1.0	<1.0	---	
MW-1	7/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	14	1.3	<1.0	<1.0	---	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-1	10/18/2010	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	---	
MW-1	1/13/2011	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	18	1.1	<1.0	<1.0	---	
MW-1	4/11/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	51	<1.0	<1.0	<1.0	---	
MW-1	7/12/2011	<10 L	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	17	<1.0	<1.0	<1.0	---	
MW-1	10/6/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	12	<1.0	<1.0	<1.0	<500	
MW-1	**1/23/2012**	**<10**	**<1.0**	**<1.0**	**<1.0**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**9.6**	**<1.0**	**<1.0**	**<1.0**	**---**	
MW-2	3/24/2000	---	---	---	---	---	---	---	---	---	<20	---	---		
MW-2	6/13/2000	---	---	---	---	---	---	---	---	---	<20	---	---	---	
MW-2	9/13/2000	---	---	---	---	---	---	---	---	---	<10	---	---	---	
MW-2	12/28/2000	---	---	---	---	---	17	140	77	---	---	210	220	---	
MW-2	3/5/2001	---	---	---	<10	<5.0	23	120	83	<10	---	850	320	---	
MW-2	5/3/2001	170	---	---	<10	<5.0	28	110	100	<10	<10	820	260	---	
MW-2	7/11/2001	<100	---	---	<10	<5.0	<10	<100	37	<10	<10	390	140	---	
MW-2	11/7/2001	<50	---	---	<5.0	<2.5	<5.0	<50	14	<5.0	<5.0	96	30	---	
MW-2	3/6/2002	<250	---	---	<25	<13	<25	<250	28	<25	<25	220	58	---	
MW-2	6/21/2002	23	---	---	<2.0	<0.50	43	250	150	<2.0	<2.0	1100	290	---	
MW-2	8/26/2002	<100	---	---	<5.0	<5.0	54	160	190	<5.0	---	1200	330	---	
MW-2	11/1/2002	<100	---	---	<10	35	47	210	170	<10	<10	1200	340	---	
MW-2	3/5/2003	<100	---	---	<10	<5.0	42	190	130	<10	---	840	250	---	Pre-purge sample
MW-2	3/5/2003	<100	---	---	<10	<5.0	78	540	270	<10	---	2400	780	---	Post-purge sample
MW-2	3/6/2003	---	---	---	---	---	---	---	---	---	<10	---	---	---	
MW-2	3/6/2003	---	---	---	---	---	---	---	---	---	<10	---	---	---	
MW-2	6/3/2003	<200	110	21	<20	<10	46	240	180	<20	<20	1300	410	---	
MW-2	9/5/2003	<200	26	80	<200	<20	26	<200	100	<20	<20	620	190	---	
MW-2	11/25/2003	<2000	---	---	<200	<100	240	<2000	940	<200	<200	6800	2200	---	
MW-2	2/24/2004	<200	63	---	<20	<10	35	<200	130	<20	<20	900	260	---	
MW-2	6/3/2004	<200	72	---	<20	<10	50	240	180	<20	<20	1400	420	---	
MW-2	8/26/2004	<200	91	---	<20	<10	40	<200	150	<20	<20	900	260	---	
MW-2	10/6/2004	---	---	---	---	---	---	---	---	---	<5.0	---	---	---	
MW-2	10/12/2004	<50	32	8.5	<5.0	<2.5	25	61	82	<5.0	---	240	70	---	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-2	1/4/2005	<100	---	---	<10	<5.0	28	<100	96	<10	<10	330	93	---	
MW-2	4/4/2005	---	---	---	---	---	---	---	---	---	<10	---	---	---	
MW-2	7/19/2005	---	---	---	---	---	---	---	---	---	<5.0	---	---	---	
MW-2	10/3/2005	---	---	---	---	---	---	---	---	---	<5.0	---	---	---	
MW-2	1/9/2006	---	---	---	---	---	---	---	---	---	<20	---	---	---	
MW-2	4/3/2006	---	---	---	---	---	---	---	---	---	<20	---	---	---	
MW-2	5/17/2006	---	---	---	---	---	48	160	140	---	---	390	110	---	
MW-2	7/10/2006	---	---	---	---	---	---	---	---	---	<5.0	---	---	---	
MW-2	10/9/2006	---	---	---	---	---	9	52	26	---	---	200	70	<500	
MW-2	1/8/2007	---	---	---	---	---	9.9	52	29	---	---	<1.0	24	<500	
MW-2	4/9/2007	---	---	---	---	---	15	110	39	---	---	390	120	<500	
MW-2	7/9/2007	---	---	---	---	---	21	260	41	---	---	780	210	<500	
MW-2	10/8/2007	---	---	---	---	---	26	210	54	---	---	480	150	<500	
MW-2	1/28/2008	<200	<20	<20	<20	<10	<20	81	35	<20	<20	350	93	<500	
MW-2	5/7/2008	---	---	---	---	---	<20	<200	34	---		200	57	<0.0001	
MW-2	7/7/2008	<500	---	---	<10	<5.0	25	200	58	<10	<10	700	210	<100	
MW-2	10/3/2008	---	---	---	---	---	21	220	61	---	---	660	200	<100	
MW-2	1/21/2009		---	---			<25	<250	52	54	---	<25	---	---	
MW-2	4/2/2009	<1200	<25	<25	<25	<12	<25	<250	52.0	<25	<25	230.0	78.0	---	
MW-2	7/20/2009	<1000	62	<20	<20	<10	<20	380	32	<20	<20	1300	390	---	
MW-2	10/20/2009	<1000	32	<20	<20	<10	<20	200	27	---	<20	740	240	<100	
MW-2	1/26/2010	<250	15	<5.0	<5.0	<2.5	<5.0	<50	<5.0	<5.0	<5.0	81	91	---	
MW-2	4/7/2010	<250	29.0	<5.0	<5.0	<2.5	10.0	120.0	17.0	<5.0	<5.0	240.0	200.0	---	
MW-2	7/7/2010	<1000	35	<20	<20	<10	21	<200	51	<20	<20	240	200	---	
MW-2	10/18/2010	---	---	---	---	---	<50	<500	58	---	---	200	110	<100	
MW-2	1/13/2011	<50	40	<40	<20	<40	<40	190	43	<40	<40	550	280	---	
MW-2	4/11/2011	<200	<20	<20	<20	<10	26	200	58	<20	<20	530	280	---	
MW-2	7/12/2011	<500 L	<50	<50	<50	<25	<50	140	60	<50	<50	290	150	---	
MW-2	10/6/2011	<200	<20	<20	<20	<10	31	120	69	<20	<20	150	88	<500	
MW-2	**1/23/2012**	**<400**	**<40**	**<40**	**<40**	**<20**	**43**	**250**	**93**	**<40**	**<40**	**130**	**77**	**---**	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-4	12/27/1999	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-4	3/24/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-4	6/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-4	9/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-4	12/28/2000	---	---	---	---	---	---	---	---	1.7	---	---	---	---	
MW-4	3/5/2001	---	---	---	<1.0	<0.50	<1.0	<10	<1.0	1.7	---	<1.0	<1.0	---	
MW-4	5/3/2001	<10	---	---	<1.0	<1.0	<1.0	<10	<1.0	2.8	<1.0	<1.0	<1.0	---	
MW-4	7/11/2001	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	3.1	<1.0	<1.0	<1.0	---	
MW-4	11/7/2001	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	2.9	2.9	<1.0	<1.0	---	
MW-4	3/6/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	3.9	<1.0	<1.0	<1.0	---	
MW-4	6/21/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	6.1	<1.0	<1.0	<1.0	---	
MW-4	8/26/2002	<100	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	9	---	<5.0	<5.0	---	
MW-4	11/1/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	7.5	<1.0	<1.0	<1.0	---	
MW-4	3/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	13	<1.0	<1.0	<1.0	---	Pre-purge sample
MW-4	3/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	12	<1.0	<1.0	<1.0	---	Post-purge sample
MW-4	6/3/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	14	<1.0	<1.0	<1.0	---	
MW-4	9/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	16	<1.0	<1.0	<1.0	---	
MW-4	11/25/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	20	<1.0	<1.0	<1.0	---	
MW-4	2/24/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	21	<1.0	<1.0	<1.0	---	
MW-4	8/26/2004	<10	---	---	<1.0	0.59	<1.0	<10	<1.0	<1.0	---	<1.0	<1.0	---	
MW-4	1/4/2005	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	24	<1.0	<1.0	<1.0	---	
MW-4	1/9/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-4	10/9/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW-4	1/8/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-4	1/28/2008	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	50	<1.0	<1.0	<1.0	<500	
MW-4	1/21/2009	---	---	---	---	---	<1.0	<10	<1.0	<1.0	---	<1.0	---	---	
MW-4	4/2/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	33	1.1	<1.0	<1.0	---	
MW-4	7/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	44	1.2	<1.0	<1.0	---	
MW-4	10/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	47	1.1	<1.0	<1.0	<100	
MW-4	1/26/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	84	1.9	<1.0	<1.0	---	
MW-4	4/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	84	2	<1.0	<1.0	---	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-4	7/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	57	1.6	<1.0	<1.0	---	
MW-4	10/18/2010	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-4	1/13/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	59	1.6	<1.0	<1.0	---	
MW-4	4/11/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	63	1.4	<1.0	<1.0	---	
MW-4	7/12/2011	<10 L	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	59	1.4	<1.0	<1.0	---	
MW-4	10/6/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	70	1.4	<1.0	<1.0	<500	
MW-4	**1/23/2012**	**<10**	**<1.0**	**<1.0**	**<1.0**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**65**	**1.3**	**<1.0**	**<1.0**	**---**	
MW-5	12/27/1999	---	---	---	---	---	---	---	---	---	<10	---	---	---	
MW-5	3/24/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-5	6/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-5	9/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-5	5/3/2001	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-5	7/11/2001	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-5	11/7/2001	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-5	3/6/2002	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-5	6/21/2002	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-5	11/1/2002	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-5	3/5/2003	---	---	---	4.9	---	---	---	---	---	<1.0	---	---	---	Pre-purge sample
MW-5	3/5/2003	---	---	---	6.8	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	Post-purge sample
MW-5	6/3/2003	<10	---	---	6.7	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-5	9/5/2003	<10	---	---	2.2	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-5	11/25/2003	<10	---	---	1.5	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-5	2/24/2004	<10	---	---	1.8	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-5	1/4/2005	<10	---	---	3.2	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-5	1/9/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-5	10/9/2006	<100	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	---	<5.0	<5.0	---	
MW-5	1/8/2007	<10	---	---	2.5	<0.50	<1.0	<10	<1.0	<1.0	---	<1.0	<1.0	<500	
MW-5	1/28/2008	<10	<1.0	<1.0	7.6	<0.50	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<1.0	<500	
MW-5	1/21/2009	---	---	---	---	---	<1.0	<10	<1.0	<1.0	---	<1.0	---	---	
MW-5	4/2/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-5	7/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-5	10/20/2009	<50	<1.0	<1.0	1.20	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<100	
MW-5	1/26/2010	<50	<1.0	<1.0	7.80	<0.50	<1.0	<10	<1.0	3.20	<1.0	<1.0	<1.0	---	
MW-5	4/7/2010	<50	<1.0	<1.0	10.0	<0.50	<1.0	<10	<1.0	9.7	1.3	<1.0	<1.0	---	
MW-5	7/7/2010	<50	<1.0	<1.0	5.8	<0.50	<1.0	<10	<1.0	5.6	<1.0	<1.0	<1.0	---	
MW-5	10/18/2010	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-5	1/13/2011	<10	<1.0	<1.0	11.0	<0.50	<1.0	<1.0	<1.0	21.0	1.6	<1.0	<1.0	---	
MW-5	4/11/2011	<10	<1.0	<1.0	4.8	<0.50	<1.0	<1.0	<1.0	11.0	<1.0	<1.0	<1.0	---	
MW-5	7/12/2011	<10 L	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	1.60	<1.0	<1.0	<1.0	---	
MW-5	10/6/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<500	
MW-5	**1/23/2012**	**<10**	**<1.0**	**<1.0**	**<1.0**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**1.3**	**<1.0**	**<1.0**	**<1.0**	**---**	
MW-6	12/27/1999	---	---	---	---	---	---	---	---	---	<2.0	---	---	---	
MW-6	3/24/2000	---	---	---	---	---	---	---	---	---	1.4	---	---	---	
MW-6	6/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-6	9/13/2000	---	---	---	---	---	---	---	---	---	1.5	---	---	---	
MW-6	5/3/2001	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-6	7/11/2001	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-6	11/7/2001	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-6	3/6/2002	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-6	6/21/2002	---	---	---	---	0.59	---	---	---	---	<1.0	---	---	---	
MW-6	8/26/2002	---	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	---	<1.0	<1.0	---	
MW-6	11/1/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	1.40	<1.0	---	
MW-6	3/5/2003	16	---	---	<1.0	1.5	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	Pre-purge sample
MW-6	3/5/2003	<10	---	---	<1.0	1	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	Post-purge sample
MW-6	6/3/2003	15	---	---	<1.0	1	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-6	9/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-6	11/25/2003	<100	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	---	
MW-6	2/24/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-6	6/3/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-6	8/26/2004	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-6	10/6/2004	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-6	10/8/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	---	<1.0	<1.0	---	
MW-6	1/4/2005	<10	---	---	<1.0	1	<1.0	<10	<1.0	<1.0	<1.0	2	<1.0	---	
MW-6	4/4/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-6	7/19/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-6	10/3/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-6	1/9/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-6	4/3/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-6	5/17/2006	<10	---	---	<1.0	1	<1.0	<10	<1.0	<1.0	---	<1.0	<1.0	---	
MW-6	7/10/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-6	10/9/2006	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	---	<1.0	<1.0	<500	
MW-6	1/8/2007	<10	---	---	<1.0	1	<1.0	<10	<1.0	<1.0	---	<1.0	<1.0	<500	
MW-6	4/9/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-6	7/9/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-6	10/8/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-6	1/28/2008	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<500	
MW-6	5/7/2008	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<0.0001	
MW-6	7/7/2008	<50	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<100	
MW-6	10/3/2008	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-6	1/21/2009	---	---	---	---	---	<1.0	<10	<1.0	<1.0	---	<1.0	---	---	
MW-6	4/2/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-6	7/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-6	10/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<100	
MW-6	1/26/2010	<50	<1.0	<1.0	<1.0	<0.50	2	<10	2	<1.0	<1.0	<1.0	<1.0	---	
MW-6	4/7/2010	<50	<1.0	<1.0	<1.0	<0.50	3	<10	3	<1.0	<1.0	1	<1.0	---	
MW-6	7/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-6	10/18/2010	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-6	1/13/2011	<400	<5.0	<5.0	<5.0	3	6	<5.0	12	<5.0	<5.0	<5.0	<5.0	---	
MW-6	4/11/2011	<10	<1.0	<1.0	<1.0	<0.50	1	2	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-6	7/12/2011	<10 L	<1.0	<1.0	<1.0	<0.50	1	2	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-6	10/6/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<500	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-6	**1/23/2012**	**<10**	**<1.0**	**<1.0**	**<1.0**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**---**	
MW-7	3/24/2000	---	---	---	---	---	---	---	---	---	<20	---	---	---	
MW-7	6/13/2000	---	---	---	---	---	---	---	---	---	<50	---	---	---	
MW-7	9/13/2000	---	---	---	---	---	---	---	---	---	<100	---	---	---	
MW-7	12/28/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW-7	3/5/2001	---	---	---	<200	<200	<200	<2000	<200	<200	---	<200	<200	---	
MW-7	5/3/2001	<2000	---	---	<200	<100	<200	<2000	<200	<200	<200	<200	<200	---	
MW-7	7/11/2001	<500	---	---	<50	<25	<50	<500	<50	<50	<50	<50	<50	---	
MW-7	11/7/2001	<100	---	---	<10	<5.0	<10	<100	11	<10	<10	25	<10	---	
MW-7	3/6/2002	<10	---	---	<1.0	<0.5	1	<10	3	<1.0	<1.0	8	2	---	
MW-7	6/21/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	---	<1.0	<1.0	---	
MW-7	11/1/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	5	1	---	
MW-7	3/5/2003	<10	---	---	<1.0	<0.50	5	<10	13	<1.0	---	20	3	---	Pre-purge sample
MW-7	3/5/2003	<10	---	---	<1.0	<0.50	8	46	21	<1.0	---	140	35	---	Post-purge sample
MW-7	3/6/2003	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-7	3/6/2003	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-7	6/3/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<20	<1.0	<1.0	---	
MW-7	9/5/2003	<200	---	---	<20	<10	<20	<200	<20	<20	<20	23	<20	---	
MW-7	11/25/2003	<200	---	---	<20	<10	<20	<200	<20	<20	<20	<20	<20	---	
MW-7	2/24/2004	<200	---	---	<20	<10	<20	<200	<20	<20	<20	<20	<20	---	
MW-7	6/3/2004	<200	---	---	<20	<10	<20	<200	<20	<20	<20	<20	<20	---	a
MW-7	8/26/2004	<50	---	---	<5.0	<2.5	<5.0	<50	<5.0	<5.0	<5.0	5	<5.0	---	
MW-7	10/6/2004	---	---	---	---	---	---	---	---	---	<5.0	---	---	---	
MW-7	10/8/2004	<50	---	---	<5.0	<2.5	<5.0	<50	<5.0	<5.0	---	9	<5.0	---	
MW-7	1/4/2005	<50	---	---	<5.0	<2.5	<5.0	<50	7	<5.0	<5.0	20	<5.0	---	
MW-7	4/4/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-7	7/19/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-7	10/3/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-7	1/9/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-7	4/3/2006	---	---	---	---	---	---	---	---	---	<2.0	---	---	---	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-7	5/17/2006	---	---	---	---	---	3	23	5	---	---	35	---	---	
MW-7	7/10/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-7	10/9/2006	---	---	---	---	---	2	10	3	---	---	17	5	<500	
MW-7	1/8/2007	---	---	---	---	---	1	8	2	---	---	11	4	<500	
MW-7	4/9/2007	---	---	---	---	---	<2.0	<2.0	<2.0	---	---	2.2	<2.0	<500	
MW-7	7/9/2007	---	---	---	---	---	1	4	2	---	---	4	1	<500	
MW-7	10/8/2007	---	---	---	---	---	6	11	13	---	---	21	5	<500	
MW-7	1/28/2008	<10	<1.0	1.2	<1.0	<0.50	3.3	9.3	6.5	<1.0	<1.0	9.4	3.5	<500	
MW-7	5/7/2008	---	---	---	---	---	1.6	<10	3.3	---	---	9.4	2.9	<0.0001	
MW-7	7/7/2008	<50	---	---	<1.0	<0.50	1	<10	2	<1.0	<1.0	5	2	<100	
MW-7	10/3/2008	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-7	1/21/2009	---	---	---	---	---	1.1	<10	2.2	3.3	---	1.2	---	---	
MW-7	4/2/2009	<50	1	<1.0	<1.0	<0.50	1	25	2	<1.0	<1.0	19	7	---	
MW-7	7/20/2009	<100	4.1	<2.0	<2.0	<1.0	7.7	150	17	<2.0	<2.0	140	27	---	
MW-7	10/20/2009	<100	4	<2.0	<2.0	<1.0	<2.0	<20	<2.0	<2.0	<2.0	52	4	<100	
MW-7	1/26/2010	<50	2	<1.0	<1.0	<0.50	1	16	2	<1.0	<1.0	45	13	---	
MW-7	4/7/2010	<50	2	<1.0	<1.0	<0.50	2	10	4	<1.0	<1.0	36	9	---	
MW-7	7/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	2	<1.0	<1.0	10	3	---	
MW-7	10/18/2010	---	---	---	---	---	<1.0	<10	1	---	---	3	2	<100	
MW-7	1/13/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	6	2	<1.0	<1.0	6	3	---	
MW-7	4/11/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	4	2	<1.0	<1.0	6	2	---	
MW-7	7/12/2011	<10 L	<1.0	<1.0	<1.0	<0.50	<1.0	4	2	<1.0	<1.0	3	1	---	
MW-7	10/6/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	3.4	1.5	<1.0	<1.0	2.1	<1.0	<500	
MW-7	**1/23/2012**	**<10**	**<1.0**	**<1.0**	**1.4**	**<0.50**	**<1.0**	**1.4**	**1.7**	**<1.0**	**<1.0**	**1.4**	**<1.0**	**---**	
MW-8	12/27/1999	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-8	3/24/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-8	6/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-8	9/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-8	12/28/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW-8	3/5/2001	---	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	---	<1.0	<1.0	---	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-8	5/3/2001	12	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-8	7/11/2001	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-8	11/7/2001	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-8	3/6/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-8	6/21/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-8	8/26/2002	<100	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	---	<5.0	<5.0	---	
MW-8	11/1/2002	<500	---	---	<50	<25	<50	<500	<50	<50	<50	<50	<50	---	
MW-8	3/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	Pre-purge sample
MW-8	3/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-8	6/3/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-8	9/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	Post-purge sample
MW-8	11/25/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-8	2/24/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-8	1/4/2005	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	---	<1.0	<1.0	---	
MW-8	1/9/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-8	1/8/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-8	1/28/2008	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<500	
MW-8	1/21/2009	---	---	---	---	---	<1.0	<10	<1.0	<1.0	---	<1.0	---	---	
MW-8	4/2/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-8	7/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	2	<1.0	---	
MW-8	10/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	1	<1.0	<1.0	<1.0	<100	
MW-8	1/26/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	2	<1.0	<1.0	<1.0	---	
MW-8	4/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	2	<1.0	<1.0	<1.0	---	
MW-8	7/7/2010	<50	<1.0	<1.0	2	<0.50	<1.0	<10	<1.0	3	<1.0	<1.0	<1.0	---	
MW-8	10/18/2010	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-8	1/13/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-8	4/11/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	4	<1.0	<1.0	<1.0	---	
MW-8	7/12/2011	<10 L	<1.0	<1.0	1	<0.50	<1.0	<1.0	<1.0	9	1	<1.0	<1.0	---	
MW-8	10/6/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	13	1.6	<1.0	<1.0	<500	
MW-8	**1/23/2012**	**<10**	**<1.0**	**<1.0**	**4.6**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**13**	**1.6**	**<1.0**	**<1.0**	**---**	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-9	3/24/2000	---	---	---	---	---	---	---	---	---	<5.0	---	---	---	
MW-9	6/13/2000	---	---	---	---	---	---	---	---	---	<10	---	---	---	
MW-9	9/13/2000	---	---	---	---	---	---	---	---	---	<40	---	---	---	
MW-9	12/28/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW-9	3/5/2001	---	---	---	<50	<25	<50	<500	<50	<50	---	<50	<50	---	
MW-9	5/3/2001	5300	---	---	<500	<250	<500	<5000	<500	<500	<500	<500	<500	---	
MW-9	7/11/2001	<500	---	---	<50	<25	<50	<500	<50	<50	<.50	<50	<50	---	
MW-9	11/7/2001	<100	---	---	<10	<5.0	<10	<100	26	<10	<10	<10	<10	---	
MW-9	3/6/2002	<250	---	---	<25	<13	<25	<250	<25	<25	<25	<25	<25	---	
MW-9	6/21/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<50	<1.0	<1.0	---	
MW-9	8/26/2002	<100	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	---	<5.0	<5.0	---	
MW-9	11/1/2002	<500	---	---	<50	<25	<50	<500	<50	<50	<50	<50	<50	---	
MW-9	3/5/2003	<500	---	---	<50	<25	<50	<500	<50	<50	---	<50	<50	---	Pre-purge sample
MW-9	3/5/2003	<500	---	---	<50	<25	<50	<500	<50	<50	---	<50	<50	---	Post-purge sample
MW-9	3/6/2003	---	---	---	---	---	---	---	---	---	<50	---	---	---	
MW-9	3/6/2003	---	---	---	---	---	---	---	---	---	<50	---	---	---	
MW-9	6/3/2003	<500	---	---	<50	<25	<50	<500	<50	<50	<50	<50	<50	---	
MW-9	9/5/2003	<500	---	---	<50	<25	<50	<500	<50	<50	<50	<50	<50	---	
MW-9	11/25/2003	<500	---	---	<50	<25	<50	<500	<50	<50	<50	<50	<50	---	
MW-9	2/24/2004	<500	---	---	<50	<25	<50	<500	<50	<50	<50	<50	<50	---	
MW-9	6/3/2004	<500	---	---	<50	<25	<50	<500	<50	<50	<50	<50	<50	---	b
MW-9	8/26/2004	<250	---	---	<25	<13	<25	<250	<25	<25	<25	<25	<25	---	
MW-9	10/6/2004	---	---	---	---	---	---	---	---	---	<25	---	---	---	
MW-9	10/8/2004	<250	---	---	<25	<13	<25	<250	<25	<25	---	<25	<25	---	
MW-9	1/4/2005	<250	---	---	<25	<13	<25	<250	<25	<25	<50	<25	<25	---	
MW-9	4/4/2005	---	---	---	---	---	---	---	---	---	<25	---	---	---	
MW-9	7/19/2005	---	---	---	---	---	---	---	---	---	<10	---	---	---	
MW-9	10/3/2005	---	---	---	---	---	---	---	---	---	<10	---	---	---	
MW-9	1/9/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-9	4/3/2006	---	---	---	---	---	---	---	---	---	<2.0	---	---	---	
MW-9	5/17/2006	---	---	2	---	---	4	7	13	---	---	---	---	---	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-9	7/10/2006	---	---	---	---	---	---	---	---	---	<4.0	---	---	---	
MW-9	10/9/2006	---	---	---	---	---	3	5	11	---	---	<1.0	<1.0	<500	
MW-9	1/8/2007	---	---	---	---	---	<1.0	1	2	---	---	<1.0	<1.0	<500	
MW-9	4/9/2007	---	---	---	---	---	1	1	4	---	---	<1.0	<1.0	<500	
MW-9	7/9/2007	---	---	---	---	---	1.4	2.3	4.7	---	---	<1.0	<1.0	<500	
MW-9	10/8/2007	---	---	---	---	---	2	1	5	---	---	<1.0	<1.0	<500	
MW-9	1/28/2008	<50	<5.0	<5.0	<5.0	<2.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<500	
MW-9	5/7/2008	---	---	---	---	---	2.6	<10	9	---	---	<1.0	<1.0	<0.0001	
MW-9	7/7/2008	<250	---	---	<5.0	<2.5	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<100	
MW-9	10/3/2008	---	---	---	---	---	<2.0	<20	<2.0	---	---	<2.0	<2.0	<100	
MW-9	1/21/2009	---	---	---	---	---	<2.0	<20	2.8	<2.0	---	<2.0	---	---	
MW-9	4/2/2009	<100	<2.0	<2.0	<2.0	<1.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	---	
MW-9	7/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	3.3	<1.0	<1.0	<1.0	<1.0	---	
MW-9	10/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	2.3	<1.0	<1.0	<1.0	<1.0	<100	
MW-9	1/26/2010	<50	2	2	<1.0	<0.50	2	<10	8	<1.0	<1.0	<1.0	<1.0	---	
MW-9	4/7/2010	<50	<1.0	1	<1.0	<0.50	2	<10	6	<1.0	<1.0	<1.0	<1.0	---	
MW-9	7/7/2010	<50	<1.0	1	<1.0	<0.50	1	<10	4	<1.0	<1.0	<1.0	<1.0	---	
MW-9	10/18/2010	---	---	---	---	---	<1.0	<10	2	---	---	<1.0	<1.0	<100	
MW-9	1/13/2011	<10	<1.0	1	<1.0	<0.50	1	<1.0	3	<1.0	<1.0	<1.0	<1.0	---	
MW-9	4/11/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	1	3	<1.0	<1.0	<1.0	<1.0	---	
MW-9	7/12/2011	<10 L	<1.0	<1.0	<1.0	<0.50	<1.0	1	2	<1.0	<1.0	<1.0	<1.0	---	
MW-9	10/6/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	<1.0	<500	
MW-9	**1/27/2012**	**<10**	**1.2**	**<1.0**	**<1.0**	**<0.50**	**2.2**	**4.7**	**7.7**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**---**	
MW-10	12/27/1999	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-10	3/24/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-10	6/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-10	9/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-10	12/28/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW-10	3/5/2001	---	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	---	<1.0	<1.0	---	
MW-10	5/3/2001	13	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-10	7/11/2001	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-10	11/7/2001	26	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-10	3/6/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-10	6/21/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-10	8/26/2002	<100	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	---	<5.0	<5.0	---	
MW-10	11/1/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-10	3/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	Pre-purge sample
MW-10	3/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	Post-purge sample
MW-10	6/3/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	1	<1.0	<1.0	---	
MW-10	9/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-10	11/25/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-10	2/24/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-10	1/4/2005	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-10	1/9/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-10	10/9/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW-10	1/8/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-10	1/28/2008	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<500	
MW-10	1/21/2009	---	---	---	---	---	<1.0	<10	<1.0	<1.0	---	<1.0	---	---	
MW-10	4/2/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-10	7/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	2	<1.0	<1.0	---	
MW-10	10/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	2	<1.0	<1.0	<100	
MW-10	1/26/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-10	4/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-10	7/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	2	<1.0	<1.0	---	
MW-10	10/18/2010	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-10	1/13/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-10	4/11/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	2	<1.0	<1.0	---	d
MW-10	7/12/2011	<10 L	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	5	<1.0	<1.0	---	d
MW-10	10/6/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	3.1	<1.0	<1.0	<500	
MW-10	**1/23/2012**	**<10**	**<1.0**	**<1.0**	**<1.0**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**3.4**	**<1.0**	**<1.0**	**---**	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-11	12/27/1999	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-11	6/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-11	9/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-11	12/28/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW-11	3/5/2001	---	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-11	5/3/2001	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-11	7/11/2001	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-11	11/7/2001	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-11	3/6/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-11	6/21/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-11	8/26/2002	<100	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	---	<5.0	<5.0	---	
MW-11	11/1/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-11	3/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	Pre-purge sample
MW-11	3/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	Post-purge sample
MW-11	6/3/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-11	6/3/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	---	<1.0	<1.0	---	
MW-11	9/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-11	11/25/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-11	2/24/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	1	<1.0	<1.0	<1.0	---	
MW-11	6/3/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	2	<1.0	<1.0	<1.0	---	
MW-11	8/26/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	2	<1.0	<1.0	<1.0	---	
MW-11	10/8/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	2	---	<1.0	<1.0	---	
MW-11	1/4/2005	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	1	<1.0	<1.0	<1.0	---	
MW-11	4/4/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-11	7/19/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-11	10/3/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-11	1/9/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-11	4/3/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-11	7/10/2006	---	---	---	1.60	---	---	---	---	1.60	<1.0	---	---	---	
MW-11	10/9/2006	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-11	1/8/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-11	4/9/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-11	7/9/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-11	10/8/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-11	1/28/2008	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<500	
MW-11	5/7/2008	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<0.0001	
MW-11	7/7/2008	<50	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<100	
MW-11	10/3/2008	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-11	1/21/2009	---	---	---	---	---	<1.0	<10	<1.0	<1.0	---	<1.0	---	---	
MW-11	4/2/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	1.8	<1.0	<1.0	<1.0	---	
MW-11	7/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	3.4	<1.0	<1.0	<1.0	---	
MW-11	10/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	6.3	<1.0	<1.0	<1.0	<100	
MW-11	1/26/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	4.3	<1.0	<1.0	<1.0	---	
MW-11	4/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	4.4	<1.0	<1.0	<1.0	---	
MW-11	7/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	3.700	<1.0	<1.0	<1.0	---	
MW-11	10/18/2010	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-11	1/13/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	4	<1.0	<1.0	<1.0	---	
MW-11	4/11/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	4	<1.0	<1.0	<1.0	---	
MW-11	7/12/2011	<10 L	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	11	<1.0	<1.0	<1.0	---	
MW-11	10/6/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	17	1.2	<1.0	<1.0	<500	
MW-11	**1/23/2012**	**<10**	**<1.0**	**<1.0**	**<1.0**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**19**	**1.1**	**<1.0**	**<1.0**	**---**	
MW-12	12/27/1999	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-12	3/24/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-12	6/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-12	9/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-12	12/28/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW-12	3/5/2001	---	---	---	<1.0	3	<1.0	<10	2	<1.0	<1.0	<1.0	<1.0	---	
MW-12	5/3/2001	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-12	7/11/2001	<10	---	---	<1.0	<0.50	21	53	31	<1.0	<1.0	110	21	---	
MW-12	11/7/2001	<10	---	---	<1.0	2	16	56	29	<1.0	<1.0	43	5	---	
MW-12	3/6/2002	10	---	---	<1.0	<0.50	9	19	12	<1.0	<1.0	5	2	---	

TABLE 4

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SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-12	6/21/2002	<10	---	---	<1.0	2	4	<10	4	<1.0	<1.0	<1.0	<1.0	---	
MW-12	8/26/2002	<100	---	---	<5.0	<5.0	20	10	20	<5.0	---	10	<5.0	---	
MW-12	11/1/2002	<10	---	---	<1.0	<0.50	75	140	130	<1.0	<1.0	6	4	---	
MW-12	3/5/2003	<10	---	---	<1.0	<0.50	2	<10	<1.0	<1.0	---	<1.0	<1.0	---	Pre-purge sample
MW-12	3/5/2003	<10	---	---	<1.0	1	5	<10	2	<1.0	---	6	1	---	Post-purge sample
MW-12	3/6/2003	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-12	3/6/2003	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-12	6/3/2003	<10	4	3	<1.0	<0.50	15	46	27	<1.0	<1.0	63	16	---	
MW-12	9/5/2003	<10	7	5	<1.0	1	24	80	48	<1.0	<1.0	150	32	---	
MW-12	11/25/2003	<20			<2.0	<1.0	39	140	86	<2.0	<2.0	210	41	---	
MW-12	2/24/2004	<10	8	5	<1.0	<0.50	26	110	54	<1.0	<1.0	120	19	---	
MW-12	6/3/2004	<10	3	2	<1.0	<0.50	10	37	17	<1.0	<1.0	11	2	---	
MW-12	8/26/2004	<10	5	3	<1.0	<0.50	12	45	24	<1.0	<1.0	28	5	---	
MW-12	10/6/2004	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-12	10/8/2004	<10	3	2	<1.0	<0.50	7	33	13	<1.0	---	9	1	---	
MW-12	1/4/2005	<10	2	2	<1.0	<0.50	16	38	18	<1.0	<1.0	46	13	---	
MW-12	4/4/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-12	7/19/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-12	10/3/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-12	1/9/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-12	4/3/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-12	5/17/2006	---	---			---	2	2	1		---	2		---	
MW-12	7/10/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---		
MW-12	10/9/2006	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-12	1/8/2007	---	---	---	---	---	2	7	1	---	---	<1.0	<1.0	<500	
MW-12	4/9/2007	---	---	---	---	---	2	5	2	---	---	<1.0	<1.0	<500	
MW-12	7/9/2007	---	---	---	---	---	<1.0	3	<1.0	---	---	<1.0	<1.0	<500	
MW-12	10/8/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-12	1/28/2008	11	<1.0	3	<1.0	<0.50	12	11	7	<1.0	<1.0	<1.0	<1.0	<500	
MW-12	5/7/2008	---	---	---	---	---	10	35	13		---	4	4	<0.0001	
MW-12	7/7/2008	<50	---	---	<1.0	<0.50	7	35	10	<1.0	<1.0	2	2	<100	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-12	10/3/2008	---	---	---	---	---	7	44	12		---	<1.0	<1.0	<100	
MW-12	1/21/2009	---	---	---	---	---	12	16	6	<1.0	---	<1.0		---	
MW-12	4/2/2009	<50	2	3	<1.0	<0.50	13	17	6	<1.0	<1.0	3	7	---	
MW-12	7/20/2009	<50	2	<1.0	<1.0	<0.50	5	35	10	<1.0	<1.0	<1.0	<1.0	---	
MW-12	10/20/2009	<50	<1.0	<1.0	<1.0	<0.50	3	19	6	<1.0	<1.0	<1.0	<1.0	<100	
MW-12	1/26/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-12	4/7/2010	<50	2	<1.0	<1.0	<0.50	5	24	8	<1.0	<1.0	2	3	---	
MW-12	7/7/2010	<50	3	2	<1.0	<0.50	15	60	27	<1.0	<1.0	15	5	---	
MW-12	10/18/2010	---	---	---	---	---	3	10	5	---	---	<1.0	<1.0	<100	
MW-12	1/13/2011	<10	<1.0	<1.0	<1.0	<0.50	1	3	2	<1.0	<1.0	5	1	---	
MW-12	4/11/2011	<10	5	5	<1.0	<0.50	28	63	41	<1.0	<1.0	39	14	---	
MW-12	7/12/2011	<10 L	<1.0	1	<1.0	<0.50	7	12	11	<1.0	<1.0	9	3	---	
MW-12	10/6/2011	<10	<1.0	<1.0	<1.0	<0.50	1.9	4.3	1.8	<1.0	<1.0	<1.0	<1.0	<500	
MW-12	**1/27/2012**	**<10**	**<1.0**	**<1.0**	**<1.0**	**<0.50**	**<1.0**	**1.1**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**---**	
MW-13	12/27/1999	---	---	---	---	---	---	---	---	---	<100	---	---	---	
MW-13	3/24/2000	---	---	---	---	---	---	---	---	---	<100	---	---	---	
MW-13	6/13/2000	---	---	---	---	---	---	---	---	---	<200	---	---	---	
MW-13	9/13/2000	---	---	---	---	---	---	---	---	---	<500	---	---	---	
MW-13	12/28/2000	---	---	---	---	---	---	---	---	1.30	---	---	---	---	
MW-13	3/5/2001	---	---	---	<1.0	<0.50	<1.0	<10	<1.0	2.70	<250	<1.0	<1.0	---	
MW-13	5/3/2001	10.00	---	---	<1.0	<0.50	<1.0	<10	<1.0	2.10	<250	<1.0	<1.0	---	
MW-13	7/11/2001	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	2.90	<250	<1.0	<1.0	---	
MW-13	11/7/2001	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	3.4	<10	<1.0	<1.0	---	
MW-13	3/6/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	3.70	<500	<1.0	<1.0	---	
MW-13	6/21/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	6.60	<500	<1.0	<1.0	---	
MW-13	8/26/2002	<100	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	6.00	---	<5.0	<5.0	---	
MW-13	11/1/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	7.30	<500	<1.0	<1.0	---	
MW-13	3/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	4	<500	<1.0	<1.0	---	Pre-purge sample
MW-13	3/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	13	<250	<1.0	<1.0	---	Post-purge sample
MW-13	6/3/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	15	<250	<1.0	<1.0	---	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-13	9/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	10.0	<250	<1.0	<1.0	---	
MW-13	11/25/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	11	<250	<1.0	<1.0	---	
MW-13	2/24/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	10	<250	<1.0	<1.0	---	
MW-13	6/3/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	10	<250	<1.0	<1.0	---	c
MW-13	8/26/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	15.00	<100	<1.0	<1.0	---	
MW-13	10/6/2004	---	---	---	---	---	---	---	---	---	<50	---	---	---	
MW-13	10/8/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	15	---	<1.0	<1.0	---	
MW-13	1/4/2005	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	10	<50	<1.0	<1.0	---	
MW-13	4/4/2005	---	---	---	---	---	---	---	---	---	<50	---	---	---	
MW-13	7/19/2005	---	---	---	---	---	---	---	---	---	<50	---	---	---	
MW-13	10/3/2005	---	---	---	---	---	---	---	---	---	<50	---	---	---	
MW-13	1/9/2006	---	---	---	---	---	---	---	---	---	<50	---	---	---	
MW-13	4/3/2006	---	---	---	---	---	---	---	---	---	<25	---	---	---	
MW-13	5/17/2006	---	---	---	6	---	---	---	---	6	---	---	---	---	
MW-13	7/10/2006	---	---	---	---	---	---	---	---	---	<20	---	---	---	
MW-13	10/9/2006	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-13	1/8/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-13	4/9/2007	---	---	---	---	---	<20	<20	<20	---	---	<20	<20	<500	
MW-13	7/27/2007	---	---	---	---	---	<40	<40	<40	---	---	<40	<40	<500	
MW-13	10/8/2007	---	---	---	---	---	<2.0	<2.0	<2.0	---	---	<2.0	<2.0	<500	
MW-13	1/28/2008	<100	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<500	
MW-13	5/7/2008	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<0.0001	
MW-13	7/7/2008	<500	---	---	<10	<5.0	<10	<100	<10	<10	<5.0	<10	<10	<100	
MW-13	10/3/2008	---	---	---	---	---	<10	<100	<10	---	---	<10	<10	<100	
MW-13	1/21/2009	---	---	---	---	---	<10	<100	<10	<10	---	<10	---	---	
MW-13	4/2/2009	<500	<10	<10	<10	<5.0	<10	<100	<10	<10	<10	<10	<10	---	
MW-13	7/20/2009	<500	<10	<10	<10	<5.0	<10	<100	<10	<10	<10	<10	<10	---	
MW-13	10/20/2009	<100	<2.0	<2.0	<2.0	<1.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<100	
MW-13	1/26/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-13	4/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-13	7/7/2010	<100	<2.0	<2.0	<2.0	<1.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	---	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-13	10/18/2010	---	---	---	---	---	<5.0	<50	<5.0	---	---	<5.0	<5.0	<100	
MW-13	1/13/2011	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	---	
MW-13	4/11/2011	<50	<5.0	<5.0	<5.0	<2.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	---	
MW-13	7/12/2011	<50 L	<5.0	<5.0	<5.0	<2.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	---	
MW-13	10/6/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<500	
MW-13	**1/27/2012**	**<20**	**<2.0**	**<2.0**	**<2.0**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<2.0**	**<2.0**	**<2.0**	**<2.0**	**---**	
MW-14	12/27/1999	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-14	3/24/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-14	6/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-14	9/13/2000	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-14	12/28/2000	---	---	---	---	---	---	---	---	1	---	---	---	---	
MW-14	3/5/2001	---	---	---	<1.0	<0.50	<1.0	<10	<1.0	3	<1.0	<1.0	<1.0	---	
MW-14	5/3/2001	10	---	---	<1.0	<0.50	<1.0	<10	<1.0	2	<1.0	<1.0	<1.0	---	
MW-14	7/11/2001	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	3	<1.0	<1.0	<1.0	---	
MW-14	11/7/2001	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	3	3	<1.0	<1.0	---	
MW-14	3/6/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	4	<1.0	<1.0	<1.0	---	
MW-14	6/21/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	7	<1.0	<1.0	<1.0	---	
MW-14	8/26/2002	<100	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	6	---	<5.0	<5.0	---	
MW-14	11/1/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	7	<1.0	<1.0	<1.0	---	
MW-14	3/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	4	<1.0	<1.0	<1.0	---	Pre-purge sample
MW-14	3/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	13	<1.0	<1.0	<1.0	---	Post-purge sample
MW-14	6/3/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	15	<1.0	<1.0	<1.0	---	
MW-14	9/5/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	10	<1.0	<1.0	<1.0	---	
MW-14	11/25/2003	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	11	<1.0	<1.0	<1.0	---	
MW-14	2/24/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	10	<1.0	<1.0	<1.0	---	
MW-14	6/3/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	10	<1.0	<1.0	<1.0	---	
MW-14	8/26/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	15	<1.0	<1.0	<1.0	---	
MW-14	10/6/2004	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-14	10/8/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	15	---	<1.0	<1.0	---	
MW-14	1/4/2005	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	10	<1.0	<1.0	<1.0	---	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-14	4/4/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-14	7/19/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-14	10/3/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-14	1/9/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-14	4/3/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-14	5/17/2006	---	---	---	6	---	---	---	---	6	---	---	---	---	
MW-14	7/10/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-14	10/9/2006	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-14	1/8/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-14	4/9/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-14	7/9/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-14	10/8/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-14	1/28/2008	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	68	2	<1.0	<1.0	<500	
MW-14	5/7/2008	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<0.0001	
MW-14	7/7/2008	<50	---	---	<1.0	<0.50	<1.0	<10	<1.0	33	1	<1.0	<1.0	<100	
MW-14	10/3/2008	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-14	1/21/2009	---	---	---	---	---	<1.0	<10	<1.0	<1.0	---	<1.0	---	---	
MW-14	4/2/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	29.0	1.2	<1.0	<1.0	---	
MW-14	7/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	36	2	<1.0	<1.0	---	
MW-14	10/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	42	1	<1.0	<1.0	<100	
MW-14	1/26/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	72	2	<1.0	<1.0	---	
MW-14	4/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	91.0	2.3	<1.0	<1.0	---	
MW-14	7/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	52	2	<1.0	<1.0	---	
MW-14	10/18/2010	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-14	1/13/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	56	2	<1.0	<1.0	---	
MW-14	4/11/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	43	1	<1.0	<1.0	---	
MW-14	7/12/2011	<10 L	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	34	1	<1.0	<1.0	---	
MW-14	10/6/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	42	1.1	<1.0	<1.0	<500	
MW-14	**1/23/2012**	**<10**	**<1.0**	**<1.0**	**<1.0**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**40**	**1.1**	**<1.0**	**<1.0**	**---**	
MW-15	12/28/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-15	3/5/2001	---	---	---	<500	<250	<500	<5000	<500	<500	<1000	<500	<500	---	
MW-15	7/11/2001	<5000	---	---	<500	<250	<500	<5000	<500	<500	<500	<500	<500	---	
MW-15	11/7/2001	<200	---	---	<20	<10	<20	<200	<20	<20	<20	<20	<20	---	
MW-15	3/6/2002	<2500	---	---	<250	<130	<250	<2500	<250	<250	<250	<250	<250	---	
MW-15	6/21/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<250	<1.0	<1.0	---	
MW-15	8/26/2002	<100	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	---	<5.0	<5.0	---	
MW-15	11/1/2002	<250	---	---	<25	<13	<25	<250	<25	<25	<25	<25	<25	---	
MW-15	3/5/2003	<100	---	---	<10	<5.0	<10	<100	<10	<10	<10	<10	<10	---	Pre-purge sample
MW-15	3/5/2003	<250	---	---	<25	<13	<25	<250	<25	<25	<25	<25	<25	---	Post-purge sample
MW-15	6/3/2003	<2500	---	---	<250	<130	<250	<2500	<250	<250	<250	<250	<250	---	
MW-15	9/5/2003	<2000	---	---	<200	<100	<200	<2000	<200	<200	<200	<200	<200	---	
MW-15	11/25/2003	<1000	---	---	<100	<50	<100	<1000	<100	<100	<100	<100	<100	---	
MW-15	2/24/2004	<1000	---	---	<100	<50	<100	<1000	<100	<100	<100	<100	<100	---	
MW-15	6/3/2004	<1000	---	---	<100	<50	<100	<1000	<100	<100	<100	<100	<100	---	
MW-15	8/26/2004	---	---	---	---	---	---	---	---	---	<50	---	---	---	
MW-15	10/6/2004	---	---	---	---	---	---	---	---	---	<25	---	---	---	
MW-15	10/8/2004	<250	---	---	<25	<13	<25	<250	<25	<25	---	<25	<25	---	
MW-15	4/4/2005	---	---	---	---	---	---	---	---	---	<50	---	---	---	
MW-15	7/19/2005	---	---	---	---	---	---	---	---	---	<50	---	---	---	
MW-15	10/4/2005	---	---	---	---	---	---	---	---	---	<25	---	---	---	
MW-15	1/9/2006	---	---	---	---	---	---	---	---	---	<5.0	---	---	---	
MW-15	4/3/2006	---	---	---	---	---	---	---	---	---	<25	---	---	---	
MW-15	7/10/2006	---	---	---	---	---	---	---	---	---	<20	---	---	---	
MW-15	10/9/2006	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-15	1/8/2007	---	---	---	---	---	<2.0	<2.0	<2.0	---	---	<2.0	<2.0	<500	
MW-15	4/9/2007	---	---	---	---	---	<20	<20	<20	---	---	<20	<20	<500	
MW-15	7/9/2007	---	---	---	---	---	<20	<20	<20	---	---	<20	<20	<500	
MW-15	10/8/2007	---	---	---	---	---	<2.0	<2.0	<2.0	---	---	<2.0	<2.0	<500	
MW-15	1/28/2008	<100	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<500	
MW-15	5/7/2008	---	---	---	---	---	<2.0	<20	<2.0	---	---	<2.0	<2.0	<0.0001	
MW-15	7/7/2008	<50	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<100	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-15	10/3/2008	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-15	1/21/2009	---	---	---	---	---	<1.0	<10	<1.0	<1.0	---	<1.0	---	---	
MW-15	4/2/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-15	7/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-15	10/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<100	
MW-15	1/26/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-15	4/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-15	7/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-15	10/18/2010	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-15	1/13/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-15	4/11/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-15	7/12/2011	<10 L	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-15	10/6/2011	<25	<2.5	<2.5	<2.5	<1.2	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<500	
MW-15	**1/23/2012**	**<10**	**<1.0**	**<1.0**	**12**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**---**	
MW-16	12/28/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW-16	3/5/2001	---	---	---	<100	<50	<100	<1000	<100	<100	<100	<100	<100	---	
MW-16	5/3/2001	<1000	---	---	<100	<50	<100	<1000	<100	<100	<100	<100	<100	---	
MW-16	7/11/2001	<1000	---	---	<100	<50	<100	<1000	<100	<100	<100	<100	<100	---	
MW-16	11/7/2001	<10	---	---	<1.0	<0.5	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-16	3/6/2002	<10	---	---	<1.0	<0.5	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-16	6/21/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<20	<1.0	<1.0	---	
MW-16	8/26/2002	<100	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	---	<5.0	<5.0	---	
MW-16	11/1/2002	<100	---	---	<10	<5.0	<10	<100	<10	<10	<10	<10	<10	---	
MW-16	3/5/2003	<100	---	---	<10	<5.0	<10	<100	<10	<10	<10	<10	<10	---	Pre-purge sample
MW-16	3/5/2003	<100	---	---	<10	<5.0	<10	<100	<10	<10	<10	<10	<10	---	Post-purge sample
MW-16	6/3/2003	<100	---	---	<10	<5.0	<10	<100	<10	<10	<10	<10	<10	---	
MW-16	9/5/2003	<50	---	---	<5.0	<2.5	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	---	
MW-16	11/25/2003	<50	---	---	<5.0	<2.5	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	---	
MW-16	2/24/2004	<50	---	---	<5.0	<2.5	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	---	
MW-16	10/6/2004	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-16	10/12/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0		<1.0	<1.0	---	
MW-16	1/4/2005	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	---	
MW-16	4/4/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-16	7/19/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-16	10/3/2005	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-16	1/9/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-16	4/3/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-16	7/10/2006	---	---	---	---	---	---	---	---	---	<1.0	---	---	---	
MW-16	10/9/2006	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-16	1/8/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-16	4/9/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-16	7/9/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-16	10/8/2007	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-16	1/28/2008	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	11.00	<1.0	<1.0	<1.0	<500	
MW-16	5/7/2008	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<0.0001	
MW-16	8/6/2008	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-16	10/3/2008	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-16	1/21/2009	---	---	---	---	---	<1.0	<10	<1.0	<1.0	---	<1.0	---	---	
MW-16	4/2/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	6.90	<1.0	<1.0	<1.0	---	
MW-16	7/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	7.60	1.20	1.00	<1.0	---	
MW-16	10/20/2009	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	11.00	<1.0	<1.0	<1.0	<100	
MW-16	1/26/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	25.00	1.20	<1.0	<1.0	---	
MW-16	4/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	35.00	1.70	<1.0	<1.0	---	
MW-16	7/7/2010	<50	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0	24	2	<1.0	<1.0	---	
MW-16	10/18/2010	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-16	1/13/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	42.00	2.20	1.70	<1.0	---	
MW-16	4/11/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	16	2	<1.0	<1.0	---	
MW-16	7/12/2011	<10 L	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	11	2	<1.0	<1.0	---	
MW-16	10/6/2011	<10	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	12	1.7	<1.0	<1.0	<500	
MW-16	**1/23/2012**	**<10**	**<1.0**	**<1.0**	**<1.0**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**10**	**1.3**	**<1.0**	**<1.0**	**---**	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-17	3/21/2002	<100	---	---	<10	<5.0	<10	<100	<10	<10	<10	<10	<10	---	
MW-17	6/21/2002	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<100	<1.0	<1.0	---	
MW-17	8/26/2002	<100	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	---	<5.0	<5.0	---	
MW-17	11/1/2002	<1000	---	---	<100	<50	<100	<1000	<100	<100	<100	<100	<100	---	
MW-17	3/5/2003	<1000	---	---	<100	<50	<100	<1000	<100	<100	<100	<100	<100	---	Pre-purge sample
MW-17	3/5/2003	<2000	---	---	<200	<100	<200	<2000	<200	<200	<200	<200	<200	---	Post-purge sample
MW-17	6/3/2003	<1000	---	---	<100	<50	<100	<1000	<100	<100	<100	<100	<100	---	
MW-17	9/5/2003	<1000	---	---	<100	<50	<100	<1000	<100	<100	<100	<100	<100	---	
MW-17	11/25/2003	<1000	---	---	<100	<50	<100	<1000	<100	<100	<100	<100	<100	---	
MW-17	2/24/2004	<1000	---	---	<100	<50	<100	<1000	<100	<100	<100	<100	<100	---	
MW-17	6/3/2004	<1000	---	---	<100	<50	<100	<1000	<100	<100	<100	<100	<100	---	
MW-17	8/26/2004	<500	---	---	<50	<25	<50	<500	<50	<50	<50	<50	<50	---	
MW-17	10/6/2004	---	---	---	---	---	---	---	---	---	<25	---	---	---	
MW-17	10/12/2004	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	---	<1.0	<1.0	---	
MW-17	1/4/2005	<10	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<25	<1.0	<1.0	---	
MW-17	4/4/2005	---	---	---	---	---	---	---	---	---	<50	---	---	---	
MW-17	7/19/2005	---	---	---	---	---	---	---	---	---	<50	---	---	---	
MW-17	10/3/2005	---	---	---	---	---	---	---	---	---	<50	---	---	---	
MW-17	1/9/2006	---	---	---	---	---	---	---	---	---	<100	---	---	---	
MW-17	4/3/2006	---	---	---	---	---	---	---	---	---	<100	---	---	---	
MW-17	7/10/2006	---	---	---	---	---	---	---	---	---	<25	---	---	---	
MW-17	10/9/2006	---	---	---	---	---	<1.0	<1.0	<1.0	---	---	<1.0	<1.0	<500	
MW-17	1/8/2007	---	---	---	---	---	<20	<20	<20	---	---	<20	<20	<500	
MW-17	4/9/2007	---	---	---	---	---	<100	<100	<100	---	---	<100	<100	<500	
MW-17	7/9/2007	---	---	---	---	---	<50	<50	<50	---	---	<50	<50	<500	
MW-17	10/8/2007	---	---	---	---	---	<2.0	<2.0	<2.0	---	---	<2.0	<2.0	<500	
MW-17	1/28/2008	<400	<40	<40	<40	<20	<40	<40	<40	<40	<40	<40	<40	<500	
MW-17	5/7/2008	---	---	---	---	---	<10	<100	<10	---	---	<10	<10	<0.0001	
MW-17	7/7/2008	<50	---	---	<1.0	<0.50	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<100	
MW-17	10/3/2008	---	---	---	---	---	<20	<200	<20	---	---	<20	<20	<100	
MW-17	1/21/2009	---	---	---	---	---	<20	<200	<20	<20	---	<20	---	---	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*
MW-17	4/2/2009	<1000	<20	<20	<20	<10	<20	<200	<20	<20	<20	<20	<20	---	
MW-17	7/20/2009	<500	<10	<10	<10	<5.0	<10	<100	<10	<10	<10	<10	<10	---	
MW-17	10/20/2009	<500	<10	<10	<10	<5.0	<10	<100	<10	<10	<10	<10	<10	<100	
MW-17	1/26/2010	<500	<10	<10	<10	<5.0	<10	<100	<10	<10	<10	<10	<10	---	
MW-17	4/7/2010	<500	<10	<10	<10	<5.0	<10	<100	<10	<10	<10	<10	<10	---	
MW-17	7/7/2010	<500	<10	<10	<10	<5.0	<10	<100	<10	<10	<10	<10	<10	---	
MW-17	10/18/2010	---	---	---	---	---	<1.0	<10	<1.0	---	---	<1.0	<1.0	<100	
MW-17	1/13/2011	<50	<5.0	<5.0	<5.0	<2.5	<5.0	<5.0	<5.0	10	<5.0	<5.0	<5.0	---	
MW-17	4/11/2011	<100	<10	<10	<10	<5.0	<10	<10	<10	21	<10	<10	<10	---	
MW-17	7/12/2011	<40 L	<4.0	<4.0	<4.0	<2.0	<4.0	<4.0	<4.0	20	<4.0	<4.0	<4.0	---	
MW-17	10/6/2011	<25	<2.5	<2.5	<2.5	<1.2	<2.5	<2.5	<2.5	25	<2.5	<2.5	<2.5	<500	
MW-17	**1/27/2012**	**<40**	**<4.0**	**<4.0**	**<4.0**	**<2.0**	**<4.0**	**<4.0**	**<4.0**	**17**	**<4.0**	**<4.0**	**<4.0**	**---**	

TABLE 4

HISTORICAL GROUNDWATER DATA - ADDITIONAL VOCs
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*Acetone (µg/L)*	*n-Butyl-benzene (µg/L)*	*sec-Butyl-benzene (µg/L)*	*Chloro-form (µg/L)*	*1,2-DCA (µg/L)*	*Isopropyl-benzene (µg/L)*	*Naph-thalene (µg/L)*	*n-Propyl-benzene (µg/L)*	*PCE (µg/L)*	*TCE (µg/L)*	*1,2,4-Trimethyl-benzene (µg/L)*	*1,3,5-Trimethyl-benzene (µg/L)*	*Methanol (µg/L)*	*Comments*

Abbreviations:
VOCs = Volatile organic compounds analyzed using EPA Method 8260B
PCE = Tetrachloroethene
TCE = Trichloroethene
µg/L = Micrograms per liter
<n = Below reporting limit n
--- = Not applicable

Notes:
L = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

APPENDIX E

FORMER DRY CLEANING EXPRESS DATA

Table 3: Summary of On-Site Wells and Well MW-103 Ground Water Analytical Results
The Shops at Lake Forest
Lake Forest, California

Well Number[2]	Sampling Date	Concentrations (µg/l)[3]						
		PCE[4]	TCE[5]	cis-1,2-DCE[6]	trans-1,2-DCE[7]	1,1-DCE[8]	1,2-DCA[9]	Other
MW-1A	7/31/1996	31,000	870	ND[10]	68	0.63	ND	-
	2/6/1997	40,000	1,800	NR[11]	ND <0.5	ND <0.5	ND <0.5	-
	11/16/1997	33,000	600	14	10	ND <0.5	ND <0.5	-
	4/19/1998	29,000	1,800	ND	ND	ND	ND	-
	8/29/1998	21,000	2,200	ND <0.5	180	ND <0.5	ND <0.5	-
	9/9/1999	26,000	ND <1,000	ND <1,000	ND <1,000	ND <1,000	ND <1,000	-
	3/9/2000	5,800	ND <250	ND <250	ND <250	ND <250	ND <250	-
	4/6/2000	6,900	ND <200	ND <200	ND <200	ND <200	ND <200	-
	6/20/2000	5,300	ND <130	ND <130	ND <130	ND <130	ND <130	-
	7/31/2000	5,000	ND <130	ND <130	ND <130	ND <130	ND <130	-
	9/19/2000	4,300	ND <100	ND <100	ND <100	ND <100	ND <100	-
	11/3/2000	2,000	ND <130	ND <130	ND <130	ND <130	ND <130	-
	12/21/2000	3,600	ND <100	ND <100	ND <100	ND <100	ND <100	-
	3/1/2001	220	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	-
	3/28/2001	110	ND <5	ND <5	ND <5	ND <5	ND <5	-
	4/23/2001	110	ND <5	ND <5	ND <5	ND <5	ND <5	-
	5/30/2001	51	ND <5	ND <5	ND <5	ND <5	ND <5	-
	6/28/2001	44	ND <2.5	ND <2.5	ND <2.5	ND <2.5	ND <2.5	-
	9/25/2001	33	ND <2.5	ND <2.5	ND <2.5	ND <2.5	ND <2.5	-
	12/28/2001	56	ND <1	ND <1	ND <1	ND <1	ND <1	-
	3/13/2002	51	ND <1	ND <1	ND <1	ND <1	ND <1	-
	6/12/2002	42	ND <1	ND <1	ND <1	ND <1	ND <1	-
	9/13/2002	NS[12]	NS	NS	NS	NS	NS	-
	12/10/2002	47	ND <1.2	ND <1.2	ND <1.2	ND <1.2	ND <1.2	-
	6/13/2003	130	ND <5	ND <5	ND <5	ND <5	ND <5	-
	9/26/2003	NS	NS	NS	NS	NS	NS	-
	12/17/2003	190	ND <5	ND <5	ND <5	ND <5	ND <5	-
	1/29/2004	570	ND <12	ND <12	ND <12	ND <12	ND <12	-
	2/26/2004	230	ND <5	ND <5	ND <5	ND <5	ND <5	-
	3/22/2004	110	ND<5	ND<5	ND<5	ND<5	ND<5	-
	6/4/2004	91	ND <5	ND <5	ND <5	ND <5	ND <5	-
	9/16/2004	3,000	ND<120	ND<120	ND<120	ND<120	ND<120	-
	10/13/2004	2,600	ND<20	ND<20	ND<20	ND<20	ND<20	-
	1/17/2005	5,000	41	31	ND<20	ND<20	ND<20	-
	5/2/2005	170	2.1	0.65	ND<0.50	ND<0.50	ND<0.50	-
	5/2/2005 [13]	180	2.0	0.66	ND<0.50	ND<0.50	ND<0.50	-
	7/19/2005	2,200	20	11	ND<10	ND<10	ND<10	-
	8/30/2005	1,700	16	ND<12	ND<12	ND<12	ND<12	-
	11/7/2005	1,300	12	ND<10	ND<10	ND<10	ND<10	-
	11/7/2005 [13]	1,600	15	ND<10	ND<10	ND<10	ND<10	-
	2/14/2006	2,600	19	ND<20	ND<20	ND<20	ND<20	Benzene - 100
	2/14/2006 [13]	2,100	17	7.6	ND<10	ND<10	ND<10	Methylene chloride - 32
	6/8/2006	1,200	11	ND<10	ND<10	ND<10	ND<10	-
	6/8/2006 [13]	1,400	13	ND<10	ND<10	ND<10	ND<10	-
	10/6/2006	1,700	17	ND<5	ND<5	ND<5	ND<5	-
	10/6/2006 [13]	1,100	16	4.5	ND<0.50	ND<0.50	ND<0.50	Cholorform - 1.1
	12/15/2006	1,300	14	ND<10	ND<10	ND<10	ND<10	-
	12/15/2006 [13]	1,800	16	ND<10	ND<10	ND<10	ND<10	-
	3/16/2007	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	Bromoform - 56
	3/16/2007 [13]	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	Bromoform - 57
	5/17/2007	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	Bromoform - 73
	5/17/2007 [13]	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	Bromoform - 82
	8/13/2007	830	32	2.1	ND<0.50	ND<0.50	ND<0.50	Chloroform - 0.87
	8/13/2007 [13]	820	38	2.2	ND<0.50	ND<0.50	ND<0.50	Chloroform - 0.97
	11/19/2007	1,100	220	7.2	ND<5.0	ND<5.0	ND<5.0	-
	3/20/2008	450	35	ND<5.0	ND<5.0	ND<5.0	ND<2.5	-
	3/20/2008 [13]	440	34	ND<5.0	ND<5.0	ND<5.0	ND<2.5	-
	6/2/2008	720	68	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-
	6/2/2008 [13]	860	70	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-
	12/23/2008	65	6.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-
	12/23/2008 [13]	65	5.9	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-

Table 3: Summary of On-Site Wells and Well MW-103 Ground Water Analytical Results
The Shops at Lake Forest
Lake Forest, California

Well Number[2]	Sampling Date	Concentrations (µg/l)[3]						
		PCE[4]	TCE[5]	cis-1,2-DCE[6]	trans-1,2-DCE[7]	1,1-DCE[8]	1,2-DCA[9]	Other
MW-1A	3/11/2009	490	45	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-
	3/11/2009 [13]	440	44	2.6	ND<2.5	ND<2.5	ND<2.5	-
	9/11/2009	520	53	2.8	ND<0.50	0.70	ND<0.50	-
	9/11/2009 [13]	510	57	3.0	ND<2.0	ND<2.0	ND<2.0	-
	3/12/2010	430	40	2.4	ND<2.0	ND<2.0	ND<2.0	-
	8/26/2010	520	52	2.6	ND<2.5	ND<2.5	ND<2.5	-
	8/26/2010 [13]	560	53	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-
	3/7/2011	430	44	ND<2.5	ND<2.5	ND<2.5	ND<2.5	-
	3/7/2011 [13]	410	42	ND<2.5	ND<2.5	ND<2.5	ND<2.5	-
	9/9/2011	**500**	**43**	**2.6**	**ND<2.5**	**ND<2.5**	**ND<2.5**	**-**
	9/9/2011 [13]	**440**	**45**	**2.4**	**ND<1.0**	**ND<1.0**	**ND<1.0**	**MTBE - 4.3**
MW-2	12/23/2008	Abandoned[17]						
MW-3	2/6/2004	Abandoned						
MW-4	2/6/2004	Abandoned						
MW-5	2/6/2004	Abandoned						
MW-6	2/6/2004	Abandoned						
SVE-1	6/12/2002	6,000	ND <250	ND <250	ND <250	ND <250	ND <250	-
	7/23/2002	6,800	ND <250	ND <250	ND <250	ND <250	ND <250	-
	8/5/2002 [16]	2,600	ND <50	ND <50	ND <50	ND <50	ND <50	-
	8/21/2002	6,100	120	58	ND <25	ND <25	ND <25	-
	9/13/2002 [16]	5,300	110	51	ND <50	ND <50	ND <25	-
	11/5/2002	25,000	ND <500	ND <500	ND <500	ND <500	ND <500	-
	12/10/2002	390	ND <12	ND <12	ND <12	ND <12	ND <12	-
	2/3/2003	850	ND <25	ND <25	ND <25	ND <25	ND <25	-
	2/28/2003	770	ND <25	ND <25	ND <25	ND <25	ND <25	-
	3/28/2003	6,000	ND <100	ND <100	ND <100	ND <100	ND <100	-
	6/13/2003	2,400	ND <100	120	ND <100	ND <100	ND <100	-
	9/26/2003	1,000	ND <50	ND <50	ND <50	ND <50	ND <50	-
	12/17/2003	540	ND <12	ND <12	ND <12	ND <12	ND<12	-
	1/29/2004	640	17	15	ND <12	ND <12	ND <12	-
	3/22/2004	1,100	ND <25	ND <25	ND <25	ND <25	ND <25	-
	6/4/2004	1,900	ND <50	ND <50	ND <50	ND <50	ND <50	-
	9/16/2004	1,300	ND<50	ND<50	ND<50	ND<50	ND<50	-
	1/17/2005	2,000	46	ND<10	ND<10	ND<10	ND<10	-
	1/17/2005 [13]	2,000	49	ND<10	ND<10	ND<10	ND<10	-
	5/2/2005	1,300	44	ND<10	ND<10	ND<10	ND<10	Naphthalene - 11
	7/19/2005	1,400	52	12	ND<10	ND<10	ND<10	-
	7/19/2005 [13]	1,300	44	7.4	5.4	ND<5	ND<5	-
	8/30/2005	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	Bromodichloromethane - 5.0 Bromoform - 32 Dibromochloromethane - 9.0
	11/7/2005	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	Bromoform - 39
	2/14/2006	14,000	66	ND<50	ND<50	ND<50	ND<50	-
	6/8/2006	13,000	ND<100	ND<100	ND<100	ND<100	ND<100	-
	10/6/2006	8,100	ND<50	ND<50	ND<50	ND<50	ND<50	-
	12/15/2006	13,000	140	ND<50	ND<50	ND<50	ND<50	-
	3/16/2007	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	Bromoform - 43 Dicromochloromethane - 7.4
	5/17/2007	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	Bromoform - 67 Dicromochloromethane - 5.1
	11/19/2007	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	Bromoform - 83 Dicromochloromethane - 5.1
	3/20/2008	ND<10	ND<10	ND<10	ND<10	ND<10	ND<5.0	Bromoform - 69 Dicromochloromethane - 37
	3/11/2009	2,100	4.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	Bromoform - 4.7
	4/2/2009 [20]	1,300	ND<10	ND<10	ND<10	ND<10	ND<10	Bromoform - 13
	9/11/2009	8,600	54	ND<10	ND<10	ND<10	ND<10	-
	3/12/2010	5,300	36	ND<20	ND<20	ND<20	ND<20	-
	3/12/2010 [13]	3,600	36	ND<25	ND<25	ND<25	ND<25	-
	8/26/2010	13,000	77	ND<25	ND<25	ND<25	ND<25	-
	3/17/2011	4,100	53	ND<25	ND<25	ND<25	ND<25	-
	9/9/2011	**7,800**	**70**	**ND<25**	**ND<25**	**ND<25**	**ND<25**	**-**

Table 3: Summary of On-Site Wells and Well MW-103 Ground Water Analytical Results
The Shops at Lake Forest
Lake Forest, California

Well Number[2]	Sampling Date	Concentrations (µg/l)[3]						
		PCE[4]	TCE[5]	cis-1,2-DCE[6]	trans-1,2-DCE[7]	1,1-DCE[8]	1,2-DCA[9]	Other
PF-1	12/13/2002 [16]	110	ND <5	ND <5	ND <5	ND <5	ND <5	-
	3/28/2003	1,900	ND <50	ND <50	ND <50	ND <50	ND <50	-
	6/13/2003	460	ND <25	ND <25	ND <25	ND <25	ND <25	-
	9/26/2003	1,000	ND <50	ND <50	ND <50	ND <50	ND <50	-
	12/17/2003	300	ND <10	ND <10	ND <10	ND <10	ND <10	-
	1/29/2004	700	ND <25	ND <25	ND <25	ND <25	ND <25	-
	3/22/2004	710	ND <25	ND <25	ND <25	ND <25	ND <25	-
	6/4/2004	860	ND <25	ND <25	ND <25	ND <25	ND <25	-
	9/16/2004	1,200	ND<50	ND<50	ND<50	ND<50	ND<50	-
	1/17/2005	200	5.1	0.53	0.57	ND<0.50	ND<0.50	-
	5/2/2005	200	7.8	ND<0.50	0.60	ND<0.50	ND<0.50	-
	7/19/2005	230	9.1	ND<1	0.59	ND<1	ND<1	-
	8/30/2005	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	Bromoform - 19
	11/7/2005	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	Bromoform - 40
	2/14/2006	100	3.8	ND<0.50	ND<0.50	ND<0.50	ND<0.50	Bromodichloromethane - 0.42 Chloroform - 1.4
	6/8/2006	300	25	ND<2.5	ND<2.5	ND<2.5	ND<2.5	-
	10/6/2006	210	28	0.68	ND<0.50	ND<0.50	ND<0.50	Cholorform - 0.57
	12/15/2006	210	29	0.73	ND<0.50	ND<0.50	ND<0.50	-
	3/16/2007	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	Bromoform - 120 Dicromochloromethane - 6.5
	5/17/2007	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	Bromoform - 65
	8/13/2007	230	7.8	ND<0.50	ND<0.50	ND<0.50	ND<0.50	Chloroform - 0.50
	11/19/2007 [18]	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	Bromoform - 30 Carbon tetrachloride - 13
	11/19/2007 [19]	160	5.7	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-
	3/20/2008	510	27	ND<5.0	ND<5.0	ND<5.0	ND<2.5	-
	6/2/2008	570	23	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-
	12/23/2008	700	39	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-
	3/11/2009	960	61	ND<2.5	ND<2.5	ND<2.5	ND<2.5	-
	9/11/2009	610	30	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-
	3/12/2010	1,100	46	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-
	8/26/2010	910	31	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-
	3/7/2011	1100	47	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-
	9/9/2011	**1,100**	**36**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**	-
BW-1	1/15/2001	880	ND<25	ND <25	ND <25	ND <25	ND <25	-
	3/28/2001	990	ND <50	ND <50	ND <50	ND <50	ND <50	-
	6/28/2001	600	ND <50	ND <50	ND <50	ND <50	ND <50	-
	7/30/2001	1,000	ND <25	ND <25	ND <25	ND <25	ND <25	-
	8/24/2001	750	ND<25	ND<25	ND<25	ND<25	ND<25	-
	9/25/2001	250	ND <25	ND <25	ND <25	ND <25	ND <25	-
	12/28/2001	2,600	ND <62	ND <62	ND <62	ND <62	ND <62	-
	3/13/2002	730	ND <62	ND <62	ND <62	ND <62	ND <62	-
	4/22/2002	980	ND <25	ND <25	ND <25	ND <25	ND <25	-
	5/2/2002	1,200	16	12	0.51	ND <0.5	ND <0.5	-
	6/12/2002	1,100	ND <25	ND <25	ND <25	ND <25	ND <25	-
	7/23/2002	900	ND <25	ND <25	ND <25	ND <25	ND <25	-
	9/13/2002	790	12	ND <10	ND <10	ND <10	ND <5	-
	11/5/2002	480	ND <25	ND <25	ND <25	ND <25	ND <25	-
	12/10/2002	660	ND <25	ND <25	ND <25	ND <25	ND <25	-
	2/3/2003	410	ND<12	ND<12	ND<12	ND<12	ND<12	-
	2/28/2003	31	ND<1	ND<1	ND<1	ND<1	ND<1	-
	3/28/2003	38	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	-
	6/13/2003	140	ND <50	6.4	ND <50	ND <50	ND <50	-
	9/26/2003	140	8.8	3.2	2.6	ND <2.5	ND <2.5	-
	12/17/2003	84	5.7	ND <2.5	ND <2.5	ND <2.5	ND <2.5	-
	3/22/2004	84	3.1	ND <2.5	ND <2.5	ND <2.5	ND <2.5	-
	6/4/2004	130	5.9	ND <2.5	ND <2.5	ND <2.5	ND <2.5	-
	9/16/2004	49	3.4	ND<2.5	ND<2.5	ND<2.5	ND<2.5	-
	1/17/2005	14	0.82	1.5	1.6	ND<0.50	ND<0.50	-
	5/2/2005	78	5.6	3.1	3.1	ND<0.50	ND<0.50	-
	7/19/2005	1,900	32	ND<5	ND<5	ND<5	ND<5	-
	8/30/2005	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	Bromoform - 48
	11/7/2005	600	ND<5	ND<5	ND<5	ND<5	ND<5	-

Table 3: Summary of On-Site Wells and Well MW-103 Ground Water Analytical Results
The Shops at Lake Forest
Lake Forest, California

Well Number[2]	Sampling Date	Concentrations (µg/l)[3]						
		PCE[4]	TCE[5]	cis-1,2-DCE[6]	trans-1,2-DCE[7]	1,1-DCE[8]	1,2-DCA[9]	Other
BW-1	2/14/2006	320	14	ND<2.5	ND<2.5	ND<2.5	ND<2.5	Chloroform - 1.7
	6/8/2006	870	35	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-
	10/6/2006	5,300	350	ND<25	ND<25	ND<25	ND<25	-
	12/15/2006	5,000	300	ND<50	ND<50	ND<50	ND<50	-
	3/16/2007	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	Bromoform - 85
	5/17/2007	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	Bromoform - 79
	8/13/2007	10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	Bromoform - 75
	11/19/2007	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	Bromoform - 55 Naphthalene - 9.9
	3/20/2008	88	ND<10	ND<10	ND<10	ND<10	ND<5.0	Bromoform - 32
	3/11/2009	76	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	Bromoform - 35
	9/11/2009	950	30	ND<10	ND<10	ND<10	ND<10	-
	3/12/2010	290	17	3.5	3.8	ND<0.50	ND<0.50	-
	8/26/2010	1400	44	ND<2.5	2.6	ND<2.5	ND<2.5	-
	3/7/2011	750	22	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-
	9/9/2011	**1,600**	**51**	**ND<10**	**ND<10**	**ND<10**	**ND<10**	**-**
BW-2	1/15/2001	820	29	73	ND <25	ND <25	ND <25	-
	3/28/2001	340	ND <10	ND <10	ND <10	ND <10	ND <10	-
	6/28/2001	130	ND <10	ND <10	ND <10	ND <10	ND <10	-
	7/30/2001	81	ND <5	ND <5	ND <5	ND <5	ND <5	-
	9/25/2001	56	ND <2.5	ND <2.5	ND <2.5	ND <2.5	ND <2.5	-
	12/28/2001	47	ND <2.5	ND <2.5	ND <2.5	ND <2.5	ND <2.5	-
	3/13/2002	43	ND <2.5	ND <2.5	ND <2.5	ND <2.5	ND <2.5	-
	6/12/2002	45	ND <2.5	ND <2.5	ND <2.5	ND <2.5	ND <2.5	-
	9/13/2002	110	3.4	1.2	ND <1	ND <1	ND <0.5	-
	12/10/2002	66	ND <2.5	ND <2.5	ND <2.5	ND <2.5	ND <2.5	-
	3/28/2003	42	ND <2.5	ND <2.5	ND <2.5	ND <2.5	ND <2.5	-
	6/13/2003	150	6.2	6.6	ND <5	ND <5	ND <5	-
	9/26/2003	60	1.9	ND <1.2	ND <1.2	ND <1.2	ND <1.2	-
	12/17/2003	56	ND <2.5	ND <2.5	ND <2.5	ND <2.5	ND <2.5	-
	3/22/2004	52	2.0	ND <1.2	ND <1.2	ND <1.2	ND <1.2	-
	6/4/2004	56	ND <2.5	ND <2.5	ND <2.5	ND <2.5	ND <2.5	-
	9/16/2004	19	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-
	1/17/2005	3.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-
	5/2/2005	4.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-
	7/19/2005	9.3	0.53	0.57	ND<0.50	ND<0.50	ND<0.50	Chloroform - 0.68
	11/7/2005	79	17	6.7	8.7	ND<0.50	3.2	-
	2/14/2006	43	2.9	1.2	0.77	ND<0.50	ND<0.50	-
	6/8/2006	140	5.9	0.92	0.70	ND<0.50	ND<0.50	-
	10/6/2006	31	2.7	1.10	0.54	ND<0.50	ND<0.50	-
	12/15/2006	27	3.4	1.50	0.91	ND<0.50	ND<0.50	-
	3/16/2007	12	2.7	1.8	0.84	ND<0.50	ND<0.50	-
	5/17/2007	14	3.3	1.8	0.84	ND<0.50	ND<0.50	-
	8/13/2007	55	9.4	3.5	4.1	0.58	ND<0.50	-
	11/19/2007	17	4.3	2.1	0.8	ND<0.50	ND<0.50	-
	3/20/2008	19	4.4	1.9	ND<1.0	ND<1.0	ND<0.50	-
	3/11/2009	34	5.4	2.6	0.81	ND<0.50	0.66	-
	9/11/2009	49	17	17	25	ND<0.50	3.6	Benzene - 0.54 Vinyl chloride - 19
	3/12/2010	44	20	18	37	ND<0.50	4.2	Benzene - 1.2 Vinyl chloride - 32
	8/26/2010	78	55	39	84	ND<0.50	5.8	Benzene - 4.3 Vinyl chloride - 77 MTBE [21] - 1,200
	3/27/2011	56	81	47	ND<0.50	ND<0.50	8.6	Benzene - 6.2 Vinyl chloride - 69 MTBE - 2,300
	9/9/2011	**69**	**250**	**140**	**200**	**ND<10**	**ND<10**	**Vinyl chloride - 110 MTBE - 2,200 TBA[22] - 9,300**
DMW-1	2/6/2004	Abandoned						
DMW-2	2/6/2004	Abandoned						
DMW-3	2/6/2004	Abandoned						

Table 3: Summary of On-Site Wells and Well MW-103 Ground Water Analytical Results
The Shops at Lake Forest
Lake Forest, California

Well Number[2]	Sampling Date	Concentrations (µg/l)[3]						
		PCE[4]	TCE[5]	cis-1,2-DCE[6]	trans-1,2-DCE[7]	1,1-DCE[8]	1,2-DCA[9]	Other
MW-103	7/31/1996	1,400	29	ND	0.84	ND	ND	-
	2/6/1997	1,400	37	NR	8.6	ND <0.5	ND <0.5	-
	11/16/1997	2,700	16	5.4	1.2	ND <0.5	7.4	-
	4/6/2000	1,200	ND <50	ND <50	ND <50	ND <50	ND <50	-
	6/20/2000	2,500	ND <100	ND <100	ND <100	ND <100	ND <100	-
	9/19/2000	2,200	ND <50	ND <50	ND <50	ND <50	ND <50	-
	12/21/2000	990	ND <50	ND <50	ND <50	ND <50	ND <50	-
	3/28/2001	41	ND <1	ND <1	ND <1	ND <1	ND <1	-
	6/28/2001	40	1.2	ND <1	ND <1	ND <1	ND <1	-
	7/30/2001	240	ND <12	ND <12	ND <12	ND <12	ND <12	-
	9/25/2001	190	ND <5	ND <5	ND <5	ND <5	ND <5	-
	12/28/2001	260	8.9	ND <5	ND <5	ND <5	ND <5	-
	3/13/2002	28	1.3	ND <1	ND <1	ND <1	ND <1	-
	6/12/2002	34	1.4	ND <1	ND <1	ND <1	ND <1	-
	9/13/2002	52	2.6	ND <1	ND <1	ND <1	ND <0.5	-
	12/10/2002	26	1.3	ND <0.5	ND <0.5	ND <0.5	ND <0.5	-
	6/12/2003	120	11	ND <5	ND <5	ND <5	ND <5	-
	9/26/2003	NS	NS	NS	NS	NS	NS	-
	12/17/2003	120	7.8	ND <5	ND <5	ND <5	ND <5	-
	1/29/2004	190	17	5.1	ND <5	ND <5	ND <5	-
	3/22/2004	84	5.2	ND <5	ND <5	ND <5	ND <5	-
	6/4/2004	46	3.6	ND <2.5	ND <2.5	ND <2.5	ND <2.5	-
	9/16/2004	16	0.94	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-
	1/17/2005	27	1.8	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-
	5/2/2005	12	1.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-
	7/19/2005	8.0	0.76	ND<0.50	ND<0.50	ND<0.50	ND<0.50	Bromodichloromethane - 2.5 Chloroform - 3.7 Dibromochloroethane - 1.1
	11/7/2005	76	14	7.2	0.97	ND<0.50	1.3	Bromodichloromethane - 0.95 Chloroform - 1.0
	2/14/2006	5.2	0.49	<0.50	<0.50	<0.50	<0.50	Naphthalene - 0.45
	6/8/2006	46	11	7.1	1.4	<0.50	0.94	-
	10/6/2006	19	3.3	2.0	<0.50	<0.50	<0.50	-
	12/15/2006	86	23.0	18.0	4.0	0.98	1.60	-
	3/16/2007	51	12	12	2.1	ND<0.50	1.3	1,2,4-Trimethylbenzene - 2.9 1,3,5-Trimethylbenzene - 0.72
	5/17/2007	220	42	39	9.7	ND<0.50	2.3	-
	8/13/2007	240	50	49	12	ND<0.50	3.1	-
	11/19/2007	140	26	26	6.4	ND<0.50	1.5	1,1-DCA - 1.6
	3/20/2008	86	13	14	4.2	ND<1.0	0.74	-
	3/11/2009	280	22	24	8.0	ND<2.0	ND<2.0	-
	9/11/2009	12	0.81	<0.50	<0.50	<0.50	<0.50	-
	3/12/2010	5.8	<0.50	<0.50	<0.50	<0.50	<0.50	-
	8/26/2010	14	1.1	0.82	<0.50	<0.50	<0.50	-
	3/7/2011	160	39.0	45.00	20	<0.50	1.8	MTBE - 200
	9/9/2011	**5.4**	**0.66**	**0.76**	**<0.50**	**<0.50**	**<0.50**	**MTBE - 200**

P:\B\Bosc\GW Sampling\2011 2nd Semiannual\Tables\[2011 Sept Table 3.xls]Data

Notes:

[1] Ground water samples collected from June 2002 to September 2004 were analyzed by Environmental Protection Agency (EPA) Method 8021. Samples collected from January 2005 to present were analyzed by EPA Method 8260.

[2] Shallow-Zone Wells: MW-1A, MW-2, MW-3, MW-4, MW-5, MW-6, BW-1, and BW-2. (MW-5 wes previously designated MW-1)
Deep-Zone Wells: DMW-1, DMW-2, and DMW-3. Mixed-Zone Well: MW-103.

[3] µg/l: micrograms per liter

[4] PCE: tetrachloroethene

[5] TCE: trichloroethene

[6] cis-1,2-DCE: cis-1,2-dichloroethene

[7] trans-1,2-DCE: trans-1,2-dichloroethene

[8] 1,1-DCE: 1,1-dichloroethene

[9] 1,2-DCA: 1,2-dichloroethane

[10] ND: constituent was not found at concentrations above laboratory reporting limits

[11] NR: analysis was not reported

[12] NS: not sampled

[13] Duplicate Sample

[14] In Wells MW-3 and DMW-3, the laboratory reported TCE concentrations of 1.1 mg/l and 1.9 mg/l, respectively. However, because these concentrations were less than five times the highest reported concentration in an associated blank sample, or 4.6 mg/l, the samples must be qualified as not detected below 4.6 mg/l according to data validation procedures.

[15] The result for PCE in this well is estimated.

[16] Ground water sample was collected from stagnant water in the well (i.e., well was not purged prior to sample collection).

[17] Data presented in Table 2 are for acrive wells only, see previous quarterly reports for results of abandoned wells.

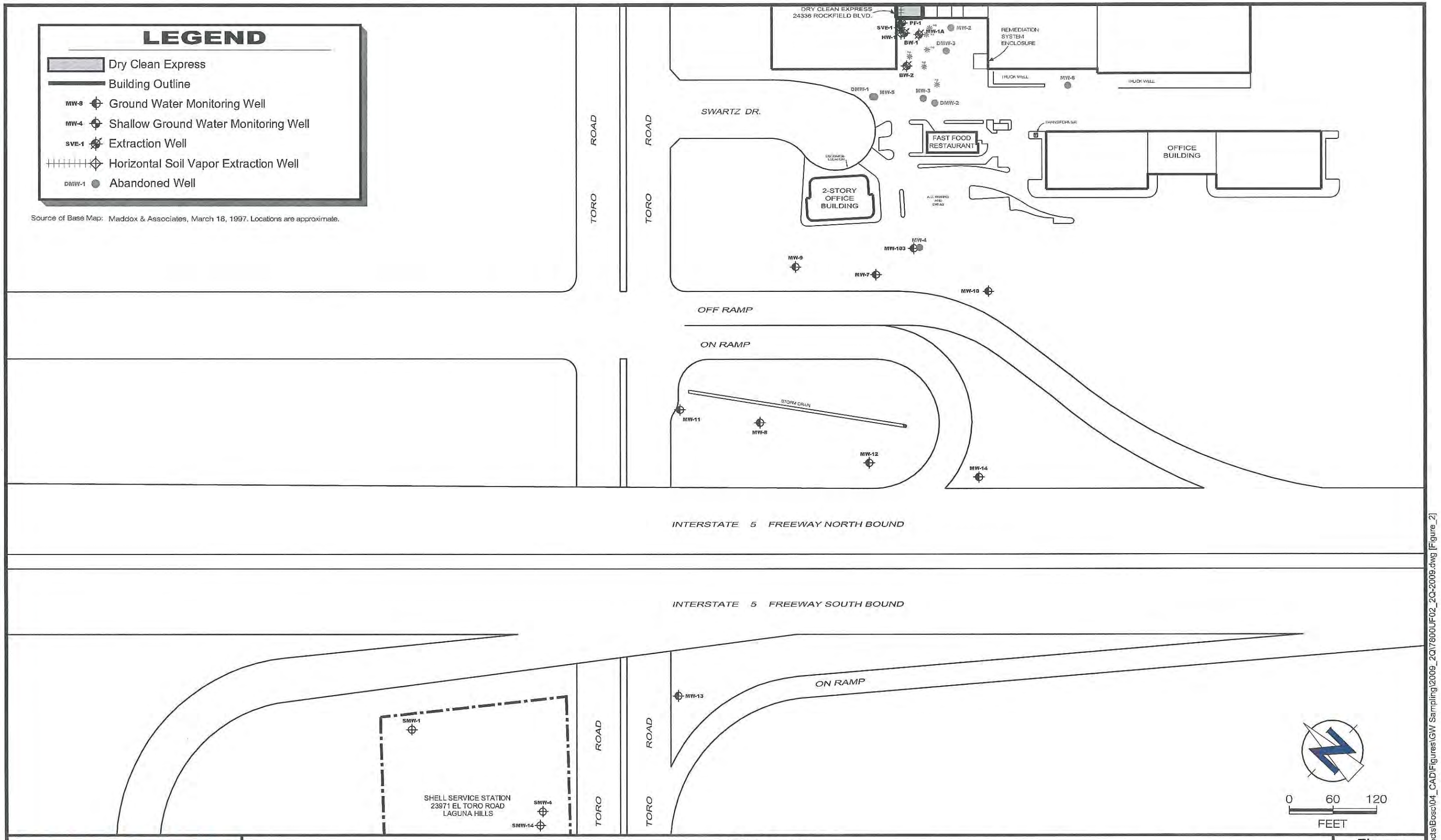
[18] Sample was collected in deep interval where purplish color was observed.

[19] Sample was collected in shallow interval where no purplish color was observed.

[20] Sample was collected to verify the March 11, 2009 analytical results.

[21] MTBE: methyl-tert-butyl ether

[22] TBA: tert-Butanol



ENVIRON

DRAWN BY: JJC | DATE: 9/25/09 | REVISED:

Site Plan

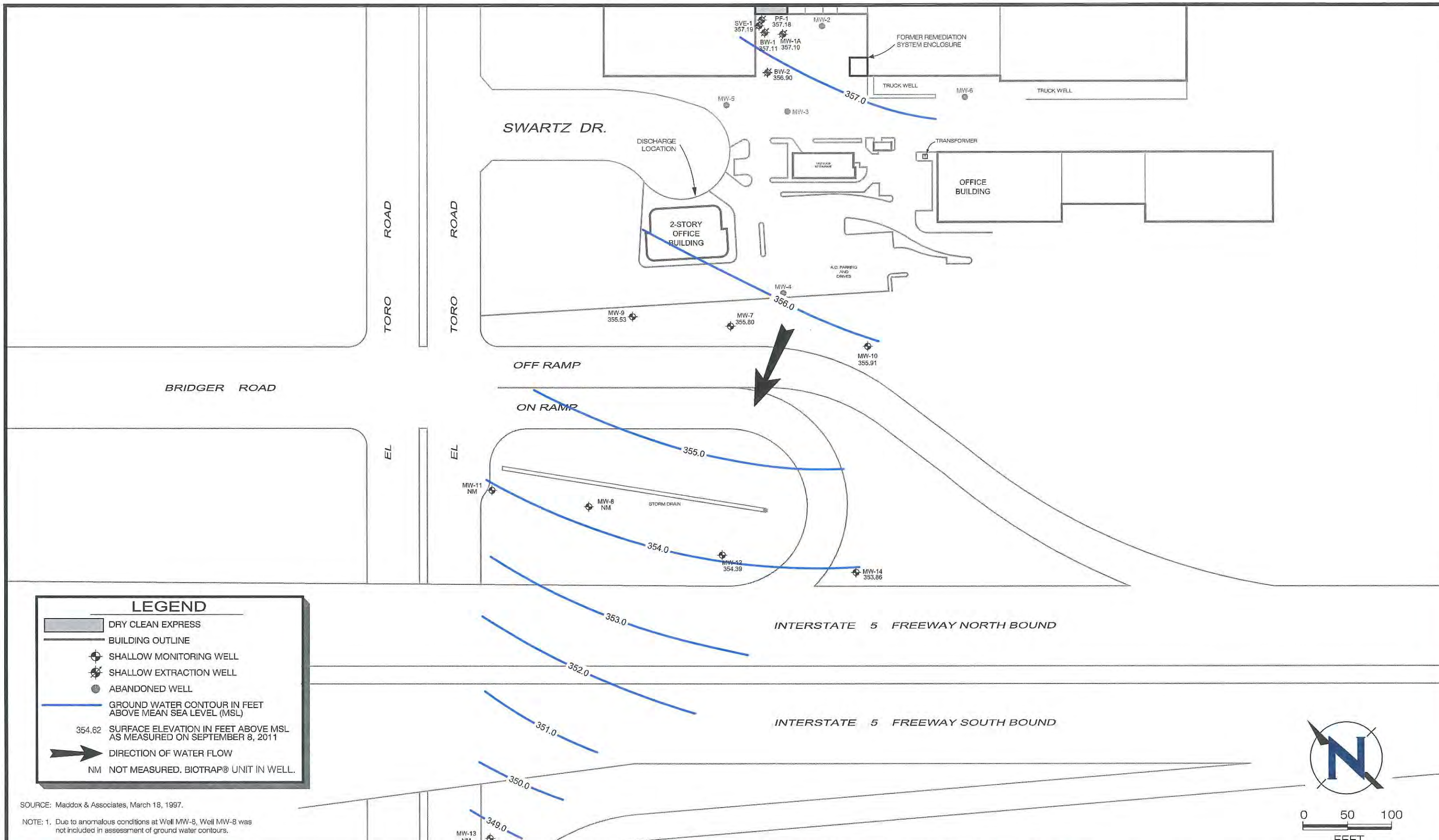
The Shops at Lake Forest

24312-24422 Rockfield Blvd., Lake Forest, California

PROJECT NO.: 04-7800U

Figure 2

File: Z:\01_Projects\Bosc\04_CAD\Figures\GW Sampling\2009_2Q\7800UF02_2Q-2009.dwg [Figure_2]



SOURCE: Maddox & Associates, March 18, 1997.

NOTE: 1. Due to anomalous conditions at Well MW-8, Well MW-8 was not included in assessment of ground water contours.

ENVIRON

DRAWN BY: SSS | DATE: 09/29/2011 | REVISED:

Ground Water Elevation Contour Map

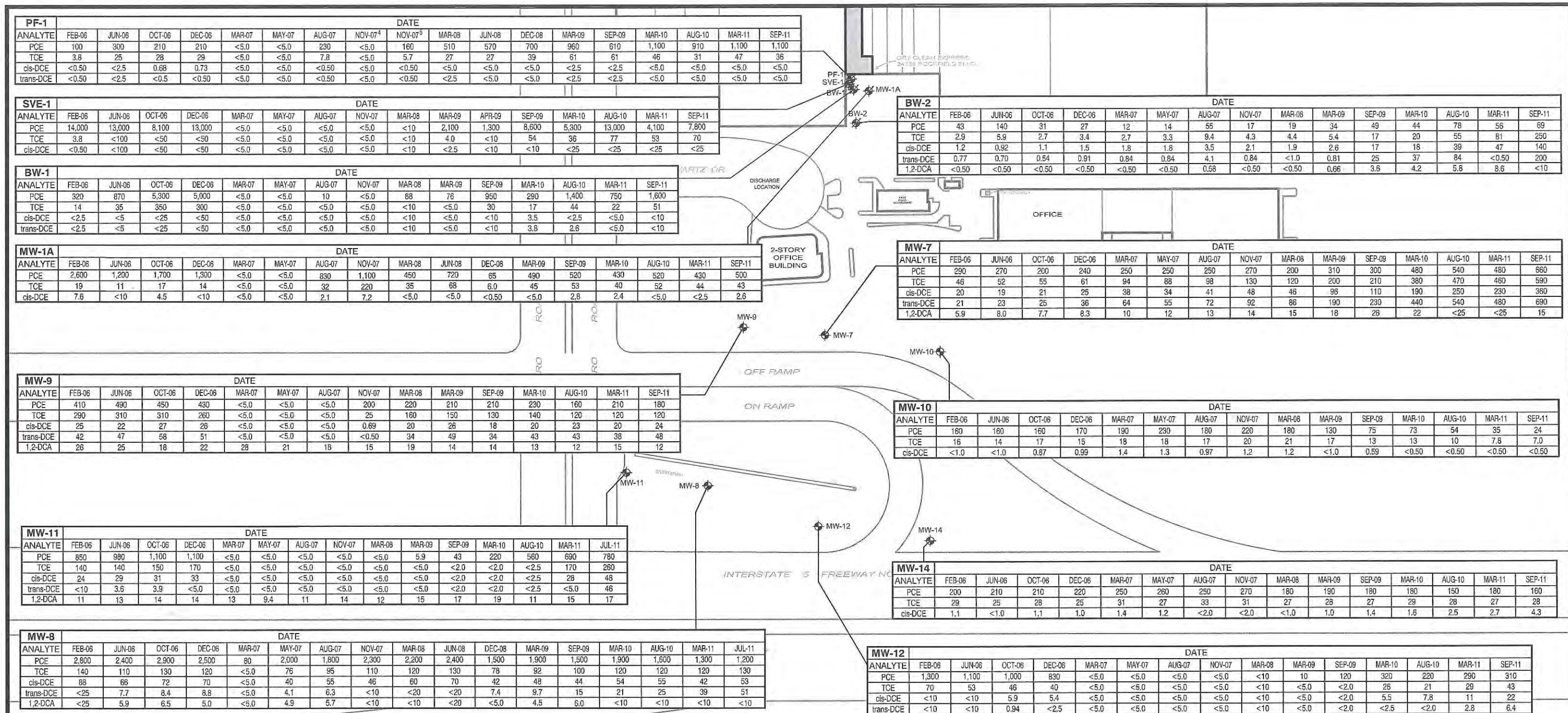
The Shops at Lake Forest

24312-24422 Rockfield Blvd., Lake Forest, California

PROJECT NO.: 04-7800U

Figure 3

File: Z:\01 Projects\Bosch\04_CAD\Figures\GW Sampling\2011_Q2\7800UF03_2Q-2011.dwg [Figure 3]



PF-1	DATE																	
ANALYTE	FEB-06	JUN-06	OCT-06	DEC-06	MAR-07	MAY-07	AUG-07	NOV-07[4]	NOV-07[5]	MAR-08	JUN-08	DEC-08	MAR-09	SEP-09	MAR-10	AUG-10	MAR-11	SEP-11
PCE	100	300	210	210	<5.0	<5.0	230	<5.0	160	510	570	700	960	610	1,100	910	1,100	1,100
TCE	3.8	25	28	29	<5.0	<5.0	7.8	<5.0	5.7	27	27	39	61	61	46	31	47	36
cis-DCE	<0.50	<2.5	0.68	0.73	<5.0	<5.0	<0.50	<5.0	<0.50	<5.0	<5.0	<5.0	<2.5	<2.5	<5.0	<5.0	<5.0	<5.0
trans-DCE	<0.50	<2.5	<0.5	<0.50	<5.0	<5.0	<0.50	<5.0	<0.50	<2.5	<5.0	<5.0	<2.5	<2.5	<5.0	<5.0	<5.0	<5.0

SVE-1	DATE															
ANALYTE	FEB-06	JUN-06	OCT-06	DEC-06	MAR-07	MAY-07	AUG-07	NOV-07	MAR-08	MAR-09	APR-09	SEP-09	MAR-10	AUG-10	MAR-11	SEP-11
PCE	14,000	13,000	8,100	13,000	<5.0	<5.0	<5.0	<5.0	<10	2,100	1,300	8,600	5,300	13,000	4,100	7,800
TCE	3.8	<100	<50	<50	<5.0	<5.0	<5.0	<5.0	<10	4.0	<10	54	36	77	53	70
cis-DCE	<0.50	<100	<50	<50	<5.0	<5.0	<5.0	<5.0	<10	<2.5	<10	<10	<25	<25	<25	<25

BW-1	DATE															
ANALYTE	FEB-06	JUN-06	OCT-06	DEC-06	MAR-07	MAY-07	AUG-07	NOV-07	MAR-08	MAR-09	SEP-09	MAR-10	AUG-10	MAR-11	SEP-11
PCE	320	870	5,300	5,000	<5.0	<5.0	10	<5.0	88	76	950	290	1,400	750	1,600
TCE	14	35	350	300	<5.0	<5.0	<5.0	<5.0	<10	<5.0	30	17	44	22	51
cis-DCE	<2.5	<5	<25	<50	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	3.5	<2.5	<5.0	<10
trans-DCE	<2.5	<5	<25	<50	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	3.8	2.6	<5.0	<10

MW-1A	DATE																
ANALYTE	FEB-06	JUN-06	OCT-06	DEC-06	MAR-07	MAY-07	AUG-07	NOV-07	MAR-08	JUN-08	DEC-08	MAR-09	SEP-09	MAR-10	AUG-10	MAR-11	SEP-11
PCE	2,600	1,200	1,700	1,300	<5.0	<5.0	830	1,100	450	720	85	490	520	430	520	430	500
TCE	19	11	17	14	<5.0	<5.0	32	220	35	68	6.0	45	53	40	52	44	43
cis-DCE	7.6	<10	4.5	<10	<5.0	<5.0	2.1	7.2	<5.0	<5.0	<0.50	<5.0	2.8	2.4	<5.0	<2.5	2.6

MW-9	DATE															
ANALYTE	FEB-06	JUN-06	OCT-06	DEC-06	MAR-07	MAY-07	AUG-07	NOV-07	MAR-08	MAR-09	SEP-09	MAR-10	AUG-10	MAR-11	SEP-11
PCE	410	490	450	430	<5.0	<5.0	<5.0	200	220	210	210	230	160	210	180
TCE	290	310	310	260	<5.0	<5.0	<5.0	25	160	150	130	140	120	120	120
cis-DCE	25	22	27	26	<5.0	<5.0	<5.0	0.69	20	26	18	20	23	20	24
trans-DCE	42	47	58	51	<5.0	<5.0	<5.0	<0.50	34	49	34	43	43	38	48
1,2-DCA	26	25	18	22	28	21	18	15	19	14	14	13	12	15	12

MW-11	DATE														
ANALYTE	FEB-06	JUN-06	OCT-06	DEC-06	MAR-07	MAY-07	AUG-07	NOV-07	MAR-08	MAR-09	SEP-09	MAR-10	AUG-10	MAR-11	JUL-11
PCE	850	980	1,100	1,100	<5.0	<5.0	<5.0	<5.0	<5.0	5.9	43	220	560	690	780
TCE	140	140	150	170	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.5	170	260
cis-DCE	24	29	31	33	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.5	28	48
trans-DCE	<10	3.6	3.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.5	<5.0	46
1,2-DCA	11	13	14	14	13	9.4	11	14	12	15	17	19	11	15	17

MW-8	DATE																
ANALYTE	FEB-06	JUN-06	OCT-06	DEC-06	MAR-07	MAY-07	AUG-07	NOV-07	MAR-08	JUN-08	DEC-08	MAR-09	SEP-09	MAR-10	AUG-10	MAR-11	JUL-11
PCE	2,800	2,400	2,900	2,500	80	2,000	1,800	2,300	2,200	2,400	1,500	1,900	1,500	1,900	1,600	1,300	1,200
TCE	140	110	130	120	<5.0	76	95	110	120	130	78	92	100	120	120	120	130
cis-DCE	88	66	72	70	<5.0	40	55	46	60	70	42	48	44	54	55	42	53
trans-DCE	<25	7.7	8.4	8.8	<5.0	4.1	6.3	<10	<20	<20	7.4	9.7	15	21	25	39	51
1,2-DCA	<25	5.9	6.5	5.0	<5.0	4.9	5.7	<10	<10	<20	<5.0	4.5	6.0	<10	<10	<10	<10

BW-2	DATE															
ANALYTE	FEB-06	JUN-06	OCT-06	DEC-06	MAR-07	MAY-07	AUG-07	NOV-07	MAR-08	MAR-09	SEP-09	MAR-10	AUG-10	MAR-11	SEP-11
PCE	43	140	31	27	12	14	55	17	19	34	49	44	78	56	69
TCE	2.9	5.9	2.7	3.4	2.7	3.3	9.4	4.3	4.4	5.4	17	20	55	81	250
cis-DCE	1.2	0.92	1.1	1.5	1.8	1.8	3.5	2.1	1.9	2.6	17	18	39	47	140
trans-DCE	0.77	0.70	0.54	0.91	0.84	0.84	4.1	0.84	<1.0	0.81	25	37	84	<0.50	200
1,2-DCA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.58	<0.50	<0.50	0.66	3.6	4.2	5.8	8.6	<10

MW-7	DATE															
ANALYTE	FEB-06	JUN-06	OCT-06	DEC-06	MAR-07	MAY-07	AUG-07	NOV-07	MAR-08	MAR-09	SEP-09	MAR-10	AUG-10	MAR-11	SEP-11
PCE	290	270	200	240	250	250	250	270	200	310	300	480	540	480	660
TCE	46	52	55	61	94	88	98	130	120	200	210	380	470	460	590
cis-DCE	20	19	21	25	38	34	41	48	46	96	110	190	250	230	360
trans-DCE	21	23	25	36	64	55	72	92	86	190	230	440	540	480	690
1,2-DCA	5.9	8.0	7.7	8.3	10	12	13	14	15	18	26	22	<25	<25	15

MW-10	DATE															
ANALYTE	FEB-06	JUN-06	OCT-06	DEC-06	MAR-07	MAY-07	AUG-07	NOV-07	MAR-08	MAR-09	SEP-09	MAR-10	AUG-10	MAR-11	SEP-11
PCE	160	160	160	170	190	230	180	220	180	130	75	73	54	35	24
TCE	16	14	17	15	18	18	17	20	21	17	13	13	10	7.8	7.0
cis-DCE	<1.0	<1.0	0.87	0.99	1.4	1.3	0.97	1.2	1.2	<1.0	0.59	<0.50	<0.50	<0.50	<0.50

MW-14	DATE															
ANALYTE	FEB-06	JUN-06	OCT-06	DEC-06	MAR-07	MAY-07	AUG-07	NOV-07	MAR-08	MAR-09	SEP-09	MAR-10	AUG-10	MAR-11	SEP-11
PCE	200	210	210	220	250	260	250	270	180	190	180	180	150	180	160
TCE	29	25	28	25	31	27	33	31	27	28	27	29	28	27	28
cis-DCE	1.1	<1.0	1.1	1.0	1.4	1.2	<2.0	<2.0	<1.0	1.0	1.4	1.6	2.5	2.7	4.3

MW-12	DATE															
ANALYTE	FEB-06	JUN-06	OCT-06	DEC-06	MAR-07	MAY-07	AUG-07	NOV-07	MAR-08	MAR-09	SEP-09	MAR-10	AUG-10	MAR-11	SEP-11
PCE	1,300	1,100	1,000	830	<5.0	<5.0	<5.0	<5.0	<10	10	120	320	220	290	310
TCE	70	53	46	40	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<2.0	26	21	29	43
cis-DCE	<10	<10	5.9	5.4	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<2.0	5.5	7.8	11	22
trans-DCE	<10	<10	0.94	<2.5	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<2.0	<2.5	<2.0	2.8	6.4
1,2-DCA		<10	<10 2.6	<2.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	2.0	<2.5	<2.0	2.3	2.6

MW-13	DATE																
ANALYTE	FEB-06	JUN-06	OCT-06	DEC-06	MAR-07	MAY-07	AUG-07	NOV-07	MAR-08	JUN-08	DEC-08	MAR-09	SEP-09	MAR-10	AUG-10	MAR-11	JUL-11
PCE	52	50	58	58	70	88	100	140	150	120	130	150	150	170	200	280	350
TCE	2.7	2.0	2.2	2.4	3.2	3.8	4.4	6.9	7.5	6.1	5.8	7.8	9.6	9.2	9.3	15	18
cis-DCE	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.85	1.1	0.88	<1.0	1.4	2.1	1.7	1.5	3.0	3.7

LEGEND

- DRY CLEAN EXPRESS
- BUILDING OUTLINE
- SHALLOW MONITORING WELL
- SHALLOW EXTRACTION WELL
- PCE TETRACHLOROETHENE
- TCE TRICHLOROETHENE
- cis-DCE cis-1,2-DICHLOROETHENE
- trans-DCE trans-1,2-DICHLOROETHENE
- 1,2-DCA 1,2-DICHLOROETHANE

SOURCE: Maddox & Associates, March 18, 1997

NOTES:
1. Concentrations are in units of micrograms per liter (µg/l).
2. On-site permanganate injections was performed on August and February 2007.
3. Data provided in Figure 4 were from year 2006 and on, see Tables 3 & 4 for all analytical results.
4. Sample was collected in shallow interval where no purplish color was observed.
5. Sample was collected in deep interval where purplish color was observed.

0 65 130
FEET

ENVIRON

DRAWN BY: SSS | DATE: 09/29/2011 | REVISED:

Selected HVOC Concentrations in Ground Water

The Shops at Lake Forest
24312-24422 Rockfield Blvd., Lake Forest, California

PROJECT NO.: 04-7800U

Figure 4

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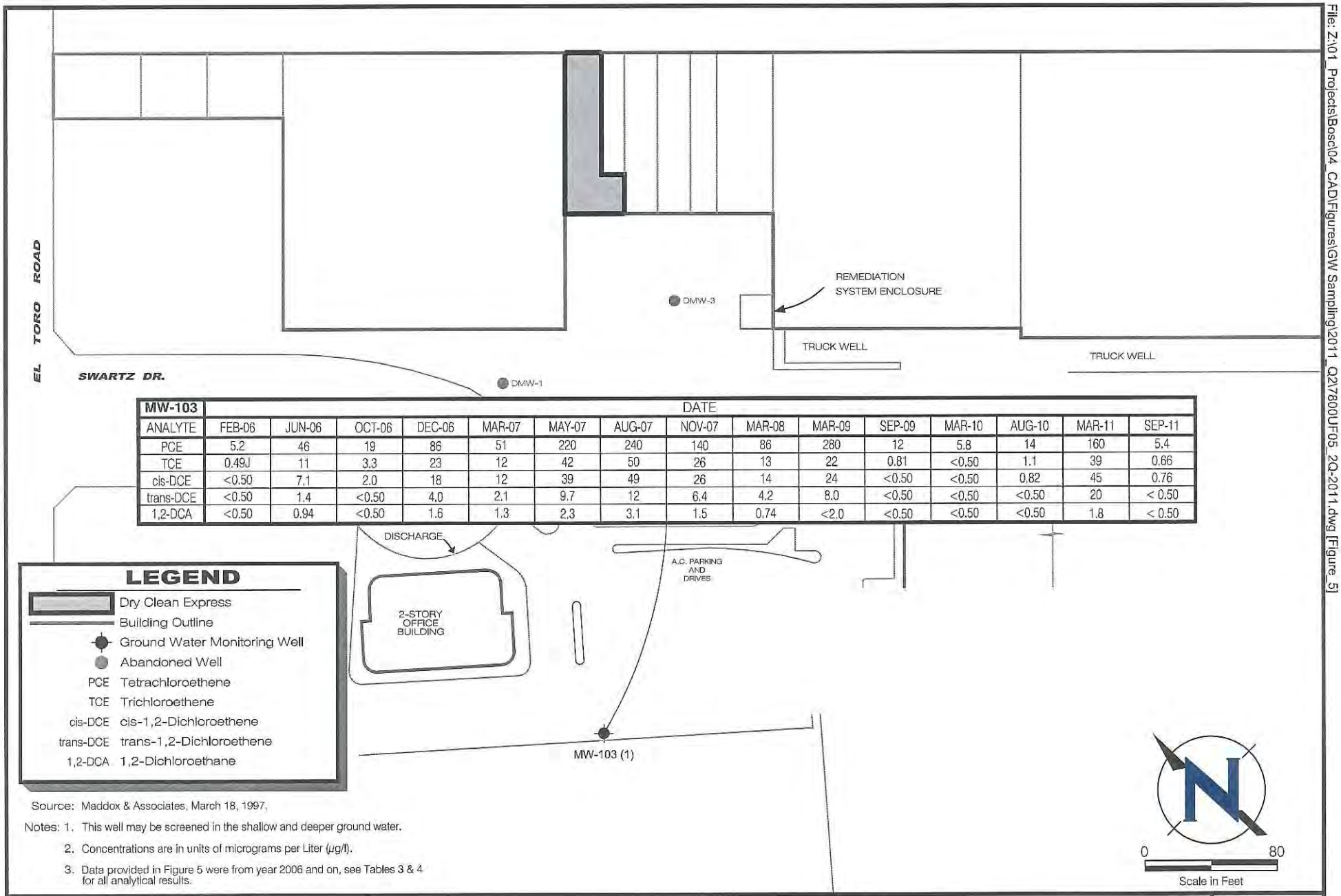


MW-103	DATE														
ANALYTE	FEB-06	JUN-06	OCT-06	DEC-06	MAR-07	MAY-07	AUG-07	NOV-07	MAR-08	MAR-09	SEP-09	MAR-10	AUG-10	MAR-11	SEP-11
PCE	5.2	46	19	86	51	220	240	140	86	280	12	5.8	14	160	5.4
TCE	0.49J	11	3.3	23	12	42	50	26	13	22	0.81	<0.50	1.1	39	0.66
cis-DCE	<0.50	7.1	2.0	18	12	39	49	26	14	24	<0.50	<0.50	0.82	45	0.76
trans-DCE	<0.50	1.4	<0.50	4.0	2.1	9.7	12	6.4	4.2	8.0	<0.50	<0.50	<0.50	20	< 0.50
1,2-DCA	<0.50	0.94	<0.50	1.6	1.3	2.3	3.1	1.5	0.74	<2.0	<0.50	<0.50	<0.50	1.8	< 0.50

Source: Maddox & Associates, March 18, 1997.

Notes: 1. This well may be screened in the shallow and deeper ground water.

2. Concentrations are in units of micrograms per Liter (µg/l).

3. Data provided in Figure 5 were from year 2006 and on, see Tables 3 & 4 for all analytical results.

ENVIRON

Selected HVOC Concentrations in Deeper Ground Water

The Shops at Lake Forest

24312-24422 Rockfield Blvd., Lake Forest, California

Figure 5

Drafter: SSS | Date: 09/29/2011 | Contract Number: 04-7800U | Approved: | Revised:

File: Z:\01_Projects\Bosc\04_CAD\Figures\GW Sampling\2011_Q2\7800UF05_2Q-2011.dwg [Figure_5]

APPENDIX F

DEGRADATION MODELING

Table A - Summary of Degradation Rate Calculations
Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

Well	Analyte	Maximum Concentration [a] (ug/L)	Current Concentration (ug/L)	Half-Life (years)	Date to Reach WQO	Years to WQO
MW-2	TPHd	15,000	3,900	0.53	Jul 2014	2
	TPHg	240,000	9,500	12.85	Sep 2106	94
	Benzene	11,453	3,300	NA	Stable	Stable
	MTBE	4,600	170	11.19	May 2070	58
	TBA	11,000	3,500	NA	Stable	Stable
MW-5	MTBE	520	29	11.60	Aug 2019	7
MW-6	TPHg	6,400	230	7.86	Dec 2027	15
	Benzene	2,500	1.5	4.30	Jan 2017	5
	MTBE	200	15	5.69	Aug 2023	11
	TBA	520	190	1.03	Dec 2015	3
MW-7	TPHg	19,700	200	3.69	Feb 2023	11
	MTBE	7,100	3.1	1.02	Oct 2010	Below WQO
	TBA	33,000	28	1.18	Sep 2012	Near WQO
MW-9	TPHd	1,100	1,000	3.82	Aug 2023	11
	TPHg	39,400	590	4.29	Jan 2024	12
	Benzene	400	3.9	3.74	Jan 2018	6
	MTBE	17,000	5.5	0.90	Nov 2010	Near WQO
	TBA	42,000	390	1.57	Oct 2018	6
MW-12	TPHg	19,100	200	4.94	Mar 2022	10
MW-13	TPHg	42,000	390	2.17	Jun 2017	5
	MTBE	55,000	280	1.23	Oct 2017	5
MW-14	TPHg	170	54	1.21	Oct 2011	Near WQO
MW-15	MTBE	120,000	17	0.90	Mar 2012	Near WQO
	TBA	400,000	31	1.02	May 2015	3
MW-16	MTBE	11,000	12	1.24	Oct 2011	Near WQO
MW-17	TPHg	14,000	420	3.47	Jan 2024	12
	MTBE	18,000	420	1.82	Sep 2023	11

Notes and Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline
TPHd = Total petroleum hydrocarbons as diesel
MTBE = Methyl tertiary butyl ether
TBA = Tertiary butyl alcohol
ug/L = micrograms per liter
WQO = Water Quality Objective

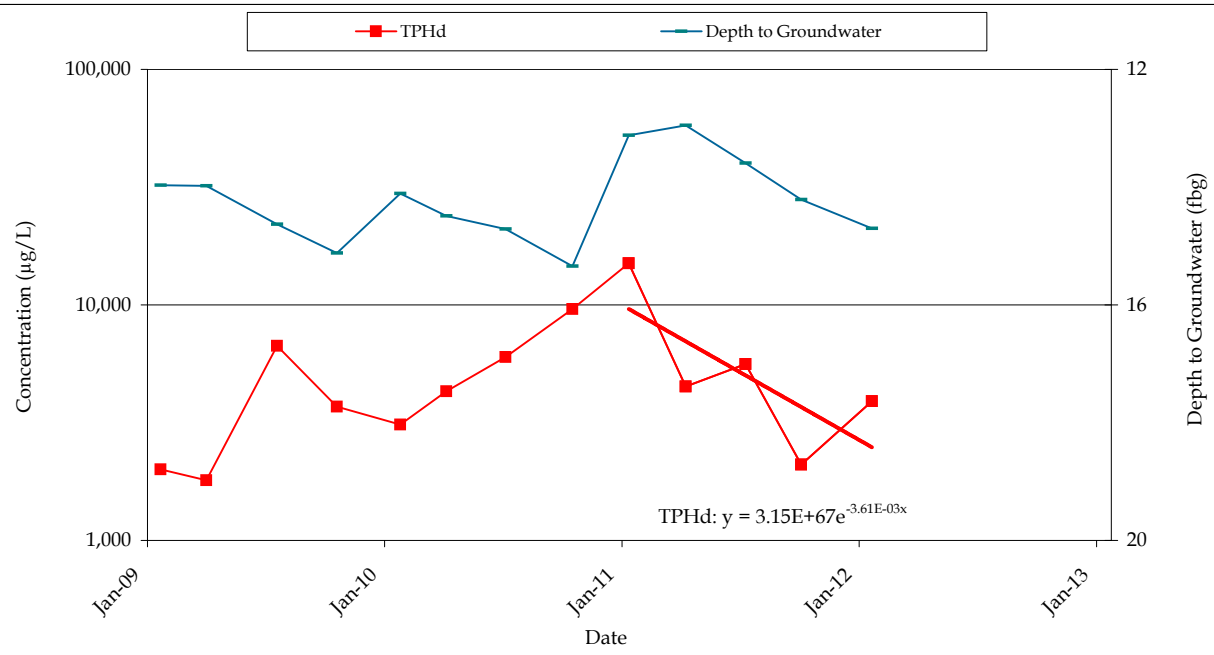
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-2

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L — a = decay constant
b = concentration at time (x) — x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Diesel (TPHd)
Given		
WQO :	y	100
Constant:	b	3.15E+67
Constant:	a	-3.61E-03
Starting date for current trend:		1/13/2011
Calculate		
Attenuation Half Life (years):	(-ln(2)/a)/365.25	0.53
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Jul 2014



SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-2: TPHd CONCENTRATIONS AND DEPTH TO GROUNDWATER

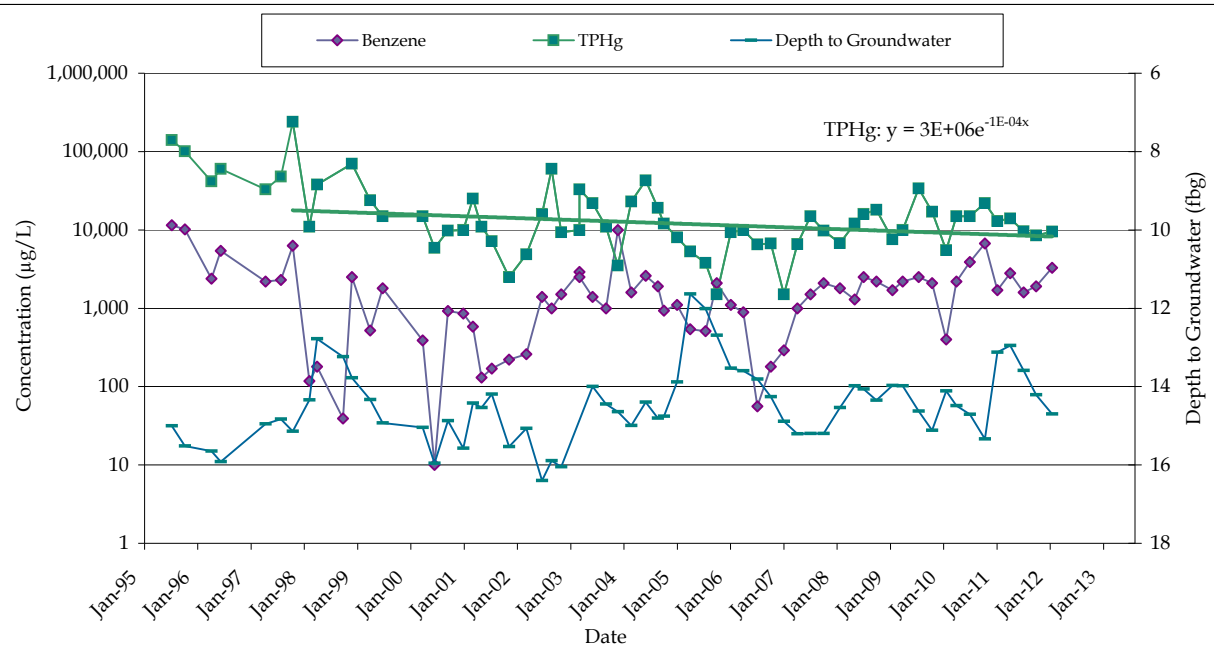
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-2

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Given			
WQO :	y	50	1
Constant:	b	3.47E+06	NA
Constant:	a	-1.48E-04	NA
Starting date for current trend:		10/14/1997	NA
Calculate			
Attenuation Half Life (years):	(-ln(2)/a)/365.25	12.85	NA
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Sep 2106	Stable



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MW-2: TPHg AND BENZENE CONCENTRATIONS AND DEPTH TO GROUNDWATER

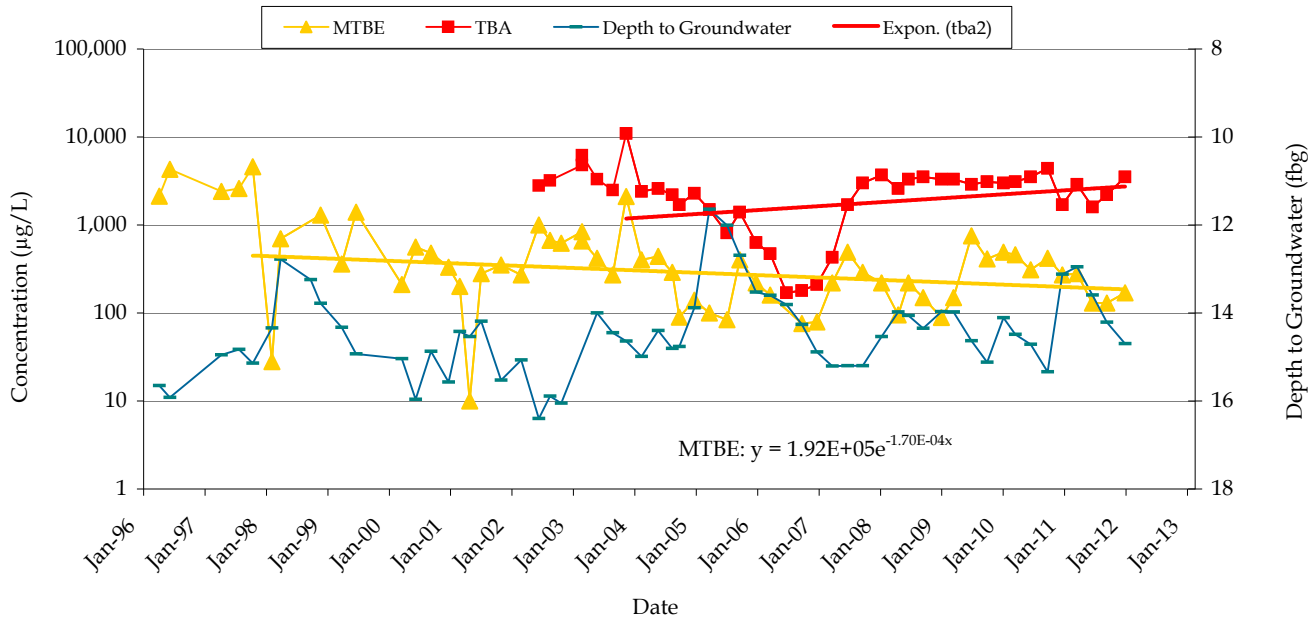
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-2

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L — a = decay constant
b = concentration at time (x) — x = time (x) in days

	Constituent	Methyl Tertiary Butyl Ether (MTBE)	Tertiary butyl alcohol (TBA)
Given			
WQO:	y	5	12
Constant:	b	1.92E+05	NA
Constant:	a	-1.70E-04	NA
Starting date for current trend:		10/14/1997	NA
Calculate			
Attenuation Half Life (years):	(-ln(2)/a)/365.25	11.19	NA
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	May 2070	Stable



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MW-2: MTBE AND TBA CONCENTRATIONS AND DEPTH TO GROUNDWATER

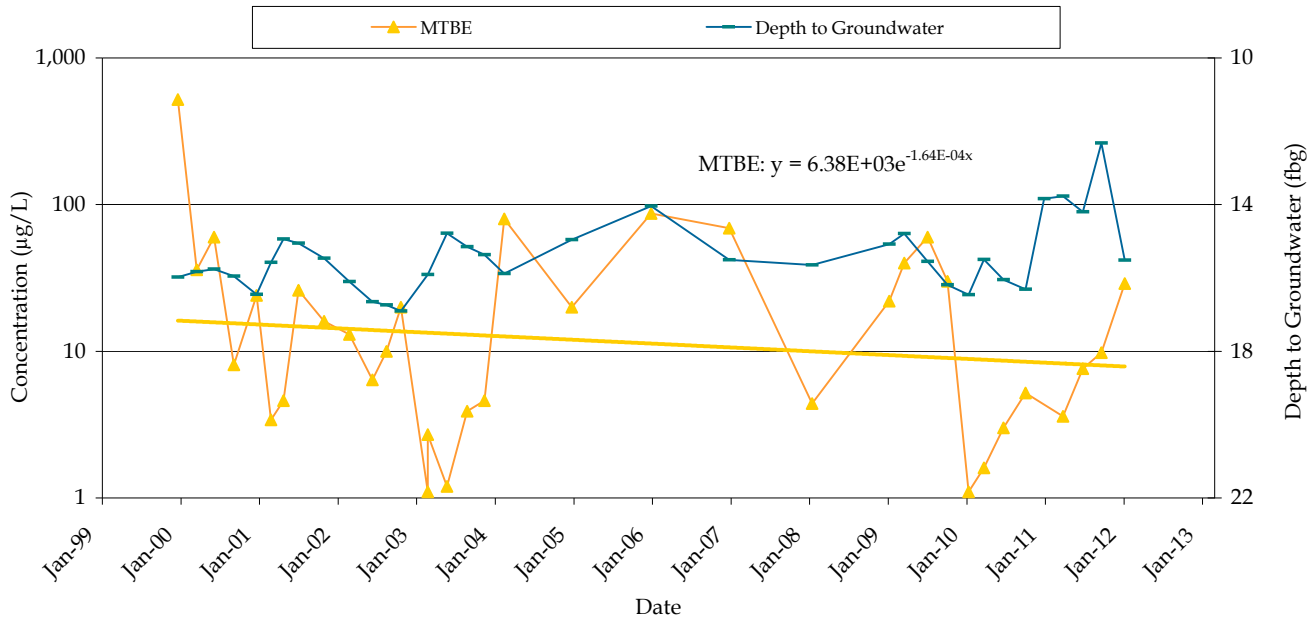
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-5

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L — a = decay constant
b = concentration at time (x) — x = time (x) in days

	Constituent	Methyl Tertiary Butyl Ether (MTBE)
Given		
WQO:	y	5
Constant:	b	6.38E+03
Constant:	a	-1.64E-04
Starting date for current trend:		12/27/1999
Calculate		
Attenuation Half Life (years):	(-ln(2)/a)/365.25	11.60
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Aug 2019



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MW-5: MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

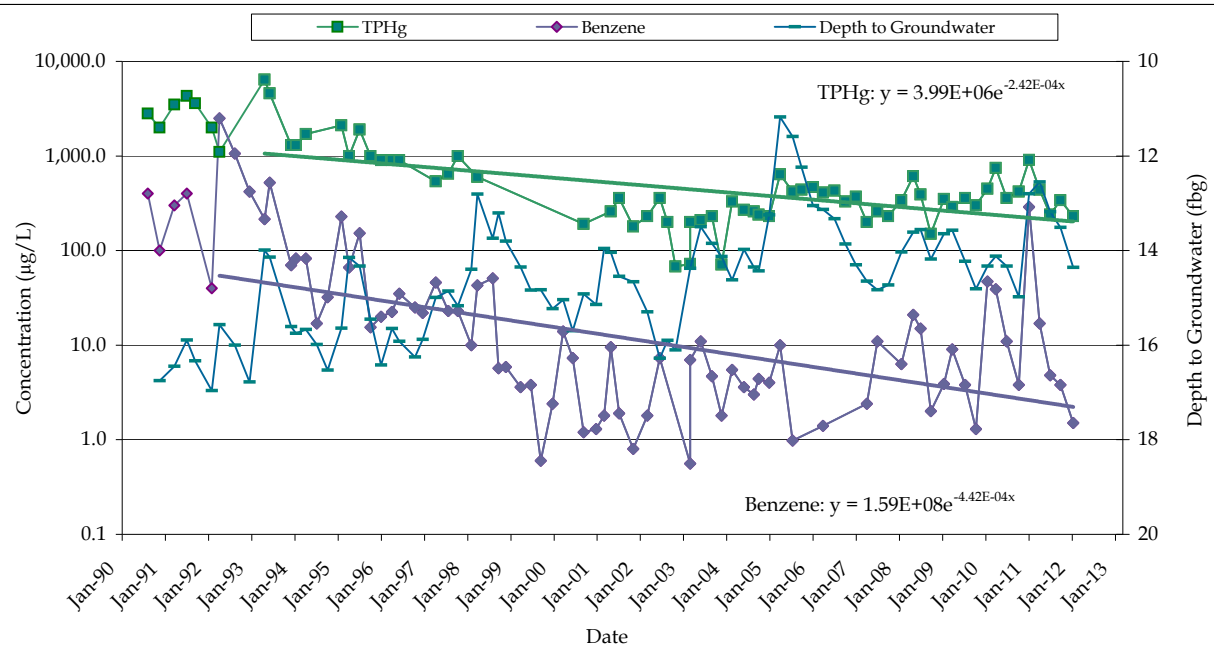
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-6

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Given			
WQO :	y	50	1
Constant:	b	3.99E+06	1.59E+08
Constant:	a	-2.42E-04	-4.42E-04
Starting date for current trend:		4/21/1993	4/5/1992
Calculate			
Attenuation Half Life (years):	(-ln(2)/a)/365.25	7.86	4.30
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Dec 2027	Jan 2017



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MW-6: TPHg AND BENZENE CONCENTRATIONS AND DEPTH TO GROUNDWATER

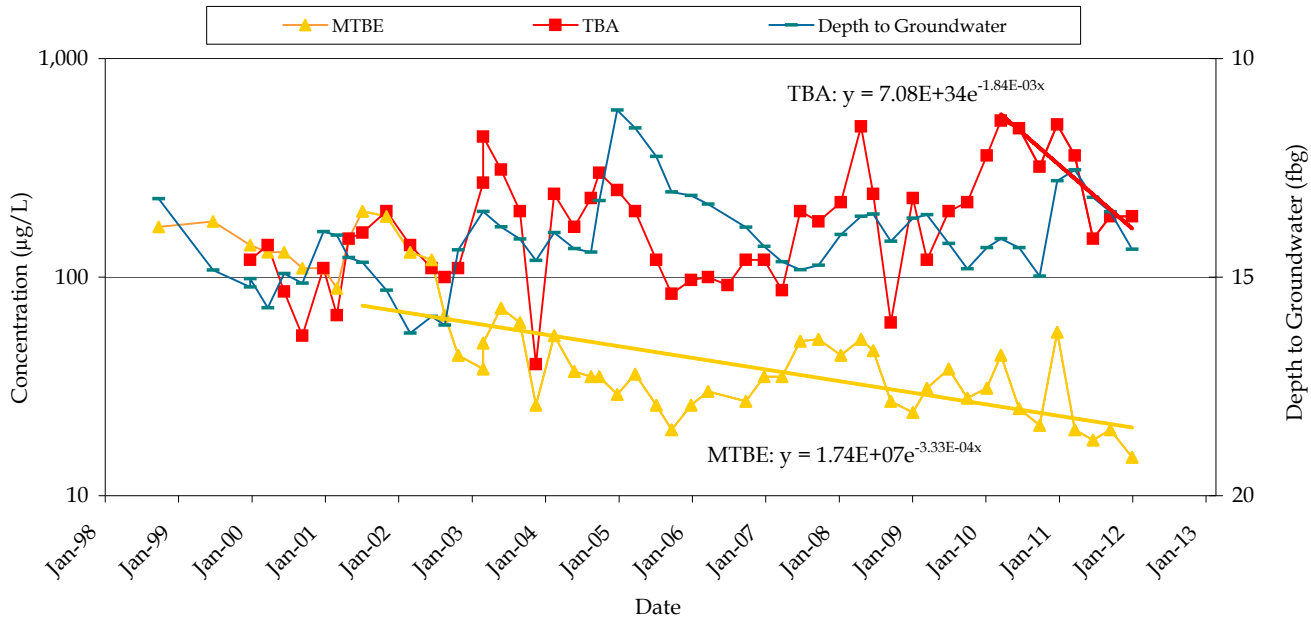
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-6

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L — a = decay constant
b = concentration at time (x) — x = time (x) in days

	Constituent	Methyl Tertiary Butyl Ether (MTBE)	Tertiary butyl alcohol (TBA)
Given			
WQO:	y	5	12
Constant:	b	1.74E+07	7.08E+34
Constant:	a	-3.33E-04	-1.84E-03
Starting date for current trend:		7/11/2001	4/7/2010
Calculate			
Attenuation Half Life (years):	(-ln(2)/a)/365.25	5.69	1.03
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Aug 2023	Dec 2015



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MW-6: MTBE AND TBA CONCENTRATIONS AND DEPTH TO GROUNDWATER

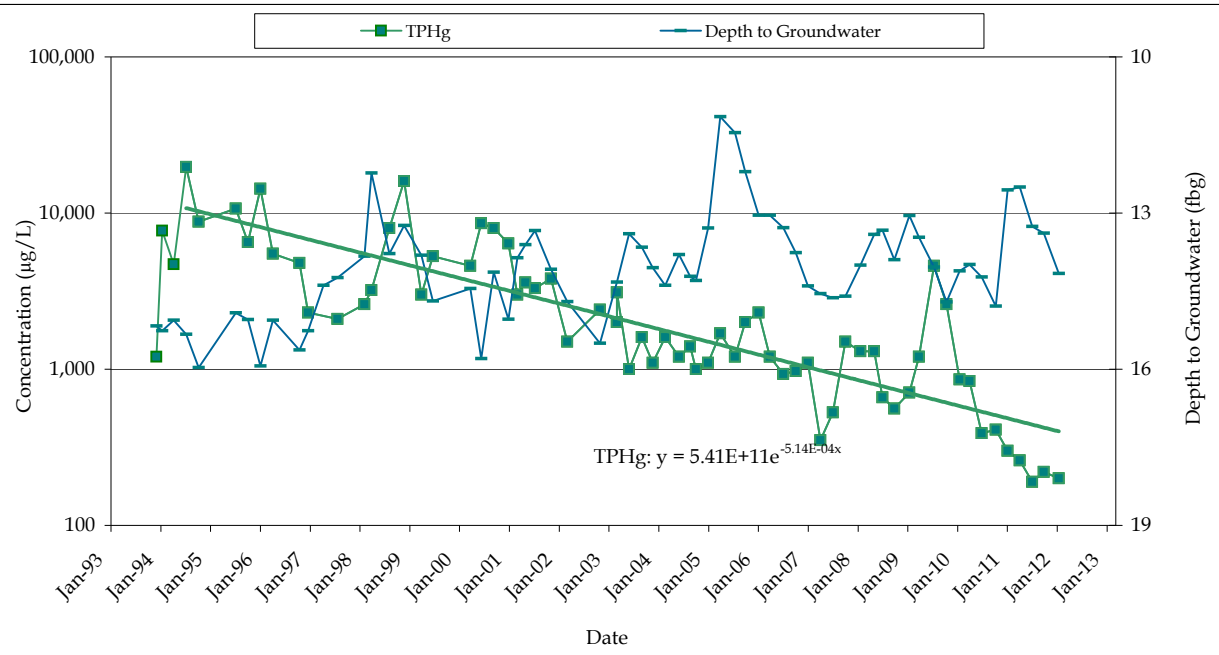
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-7

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L — a = decay constant
b = concentration at time (x) — x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)
Given		
WQO :	y	50
Constant:	b	5.41E+11
Constant:	a	-5.14E-04
Starting date for current trend:		7/7/1994
Calculate		
Attenuation Half Life (years):	(-ln(2)/a)/365.25	3.69
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Feb 2023



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MW-7: TPHg CONCENTRATIONS AND DEPTH TO GROUNDWATER

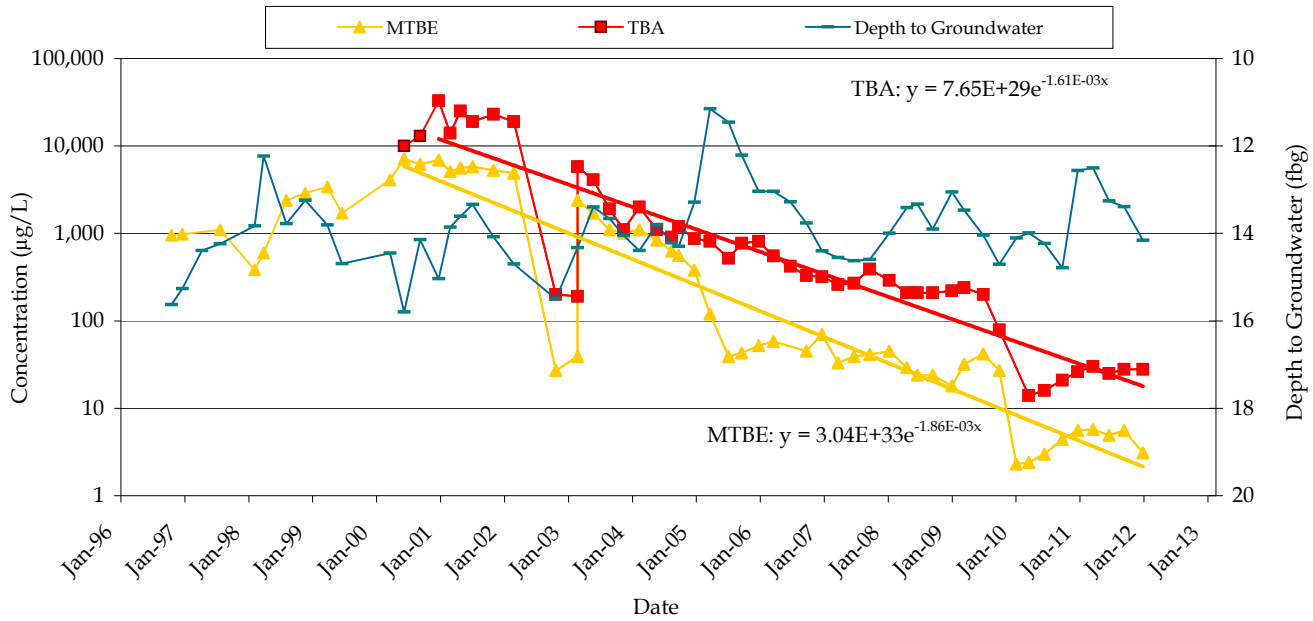
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-7

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b\,e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

	Constituent	Methyl Tertiary Butyl Ether (MTBE)	Tertiary butyl alcohol (TBA)
Given			
WQO:	y	5	12
Constant:	b	3.04E+33	7.65E+29
Constant:	a	-1.86E-03	-1.61E-03
Starting date for current trend:		6/13/2000	12/28/2000
Calculate			
Attenuation Half Life (years):	(-ln(2)/a)/365.25	1.02	1.18
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Oct 2010	Sep 2012



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MW-7: MTBE AND TBA CONCENTRATIONS AND DEPTH TO GROUNDWATER

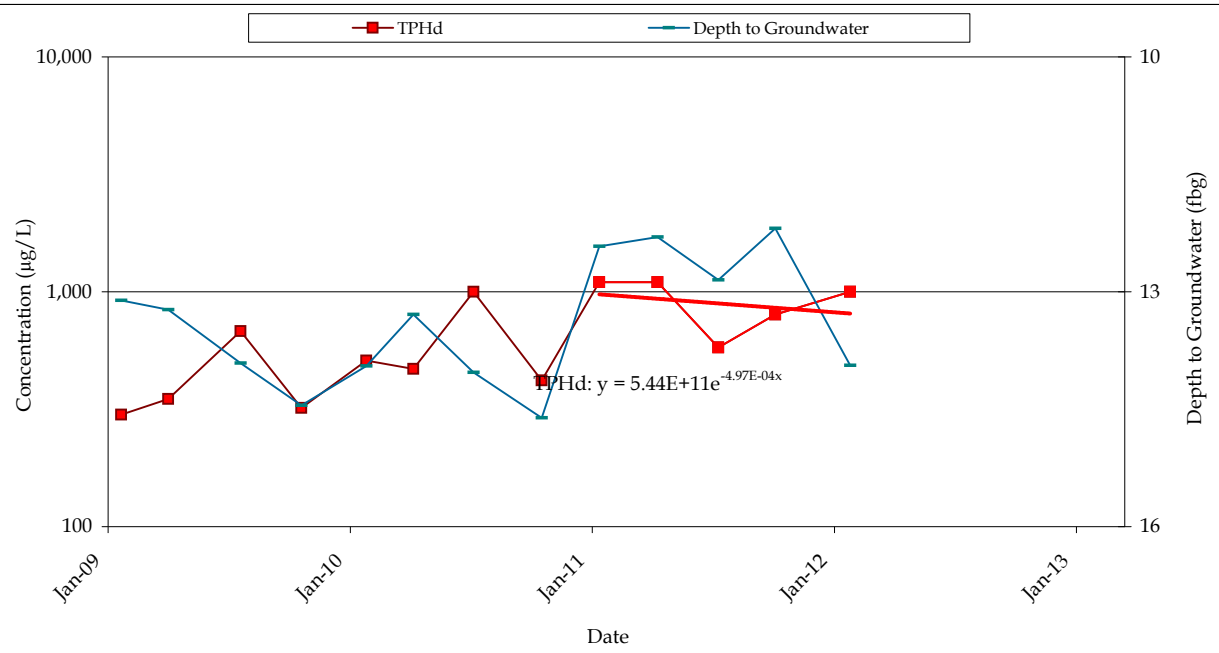
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-9

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L — a = decay constant
b = concentration at time (x) — x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Diesel (TPHd)
Given		
WQO :	y	100
Constant:	b	5.44E+11
Constant:	a	-4.97E-04
Starting date for current trend:		1/13/2011
Calculate		
Attenuation Half Life (years):	(-ln(2)/a)/365.25	3.82
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Aug 2023



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MW-9: TPHd CONCENTRATIONS AND DEPTH TO GROUNDWATER

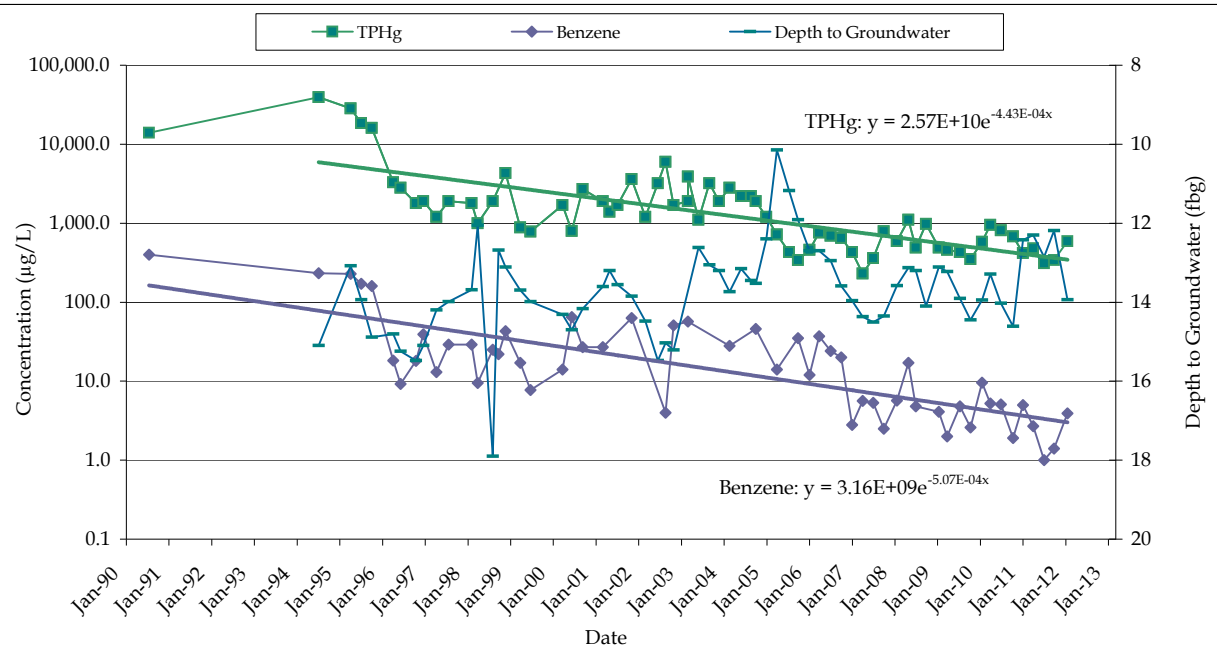
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-9

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Given			
WQO :	y	50	1
Constant:	b	2.57E+10	3.16E+09
Constant:	a	-4.43E-04	-5.07E-04
Starting date for current trend:		7/7/1994	7/16/1990
Calculate			
Attenuation Half Life (years):	(-ln(2)/a)/365.25	4.29	3.74
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Jan 2024	Jan 2018



SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-9: TPHg AND BENZENE CONCENTRATIONS AND DEPTH TO GROUNDWATER

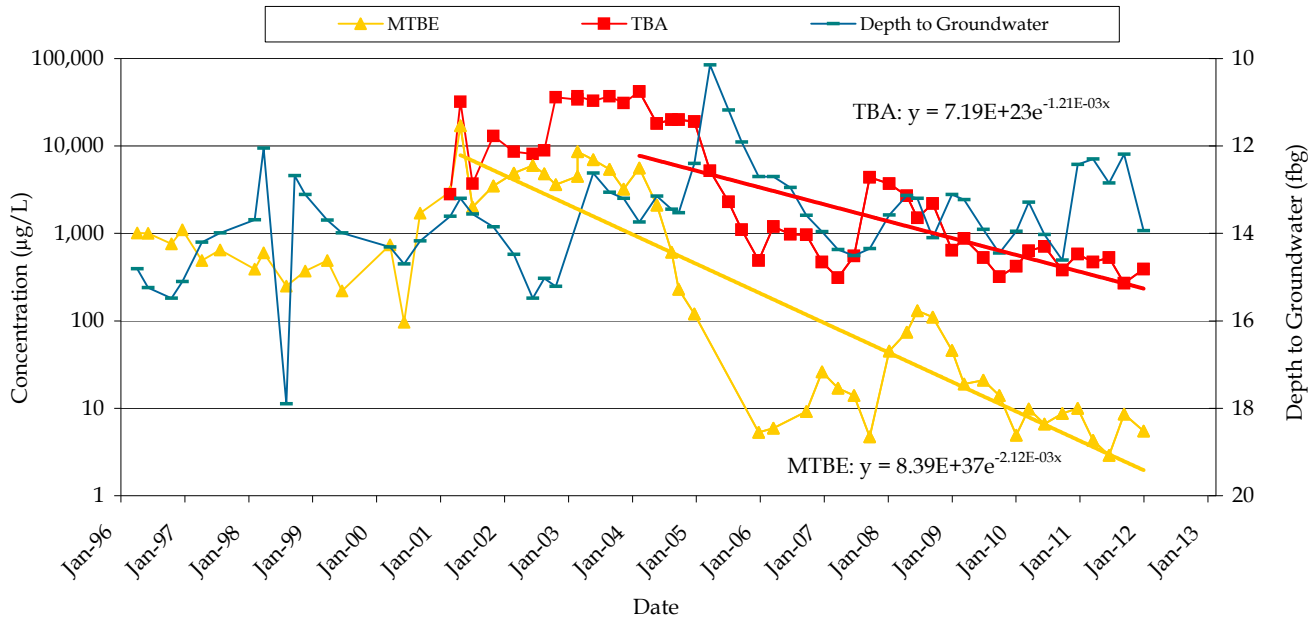
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-9

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

	Constituent	Methyl Tertiary Butyl Ether (MTBE)	Tertiary butyl alcohol (TBA)
Given			
WQO:	y	5	12
Constant:	b	8.39E+37	7.19E+23
Constant:	a	-2.12E-03	-1.21E-03
Starting date for current trend:		5/3/2001	2/24/2004
Calculate			
Attenuation Half Life (years):	(-ln(2)/a)/365.25	0.90	1.57
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Nov 2010	Oct 2018



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MW-9: MTBE AND TBA CONCENTRATIONS AND DEPTH TO GROUNDWATER

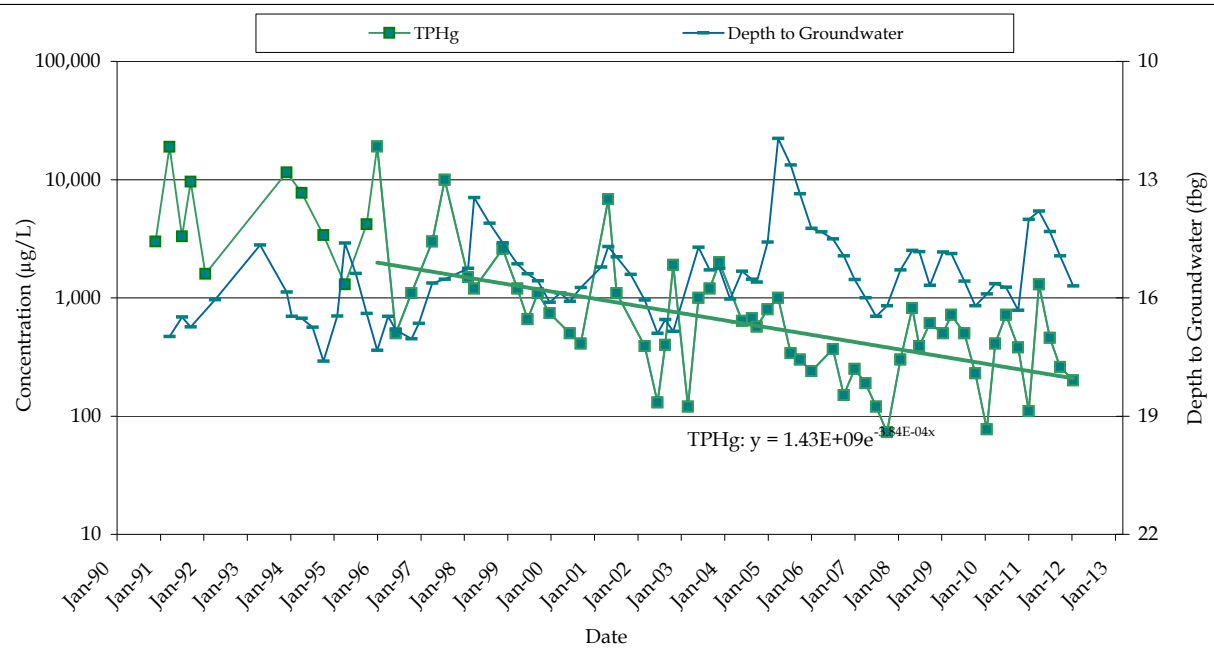
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-12

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)
Given		
WQO :	y	50
Constant:	b	1.43E+09
Constant:	a	-3.84E-04
Starting date for current trend:		1/3/1996
Calculate		
Attenuation Half Life (years):	(-ln(2)/a)/365.25	4.94
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Mar 2022



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MW-12: TPHg CONCENTRATIONS AND DEPTH TO GROUNDWATER

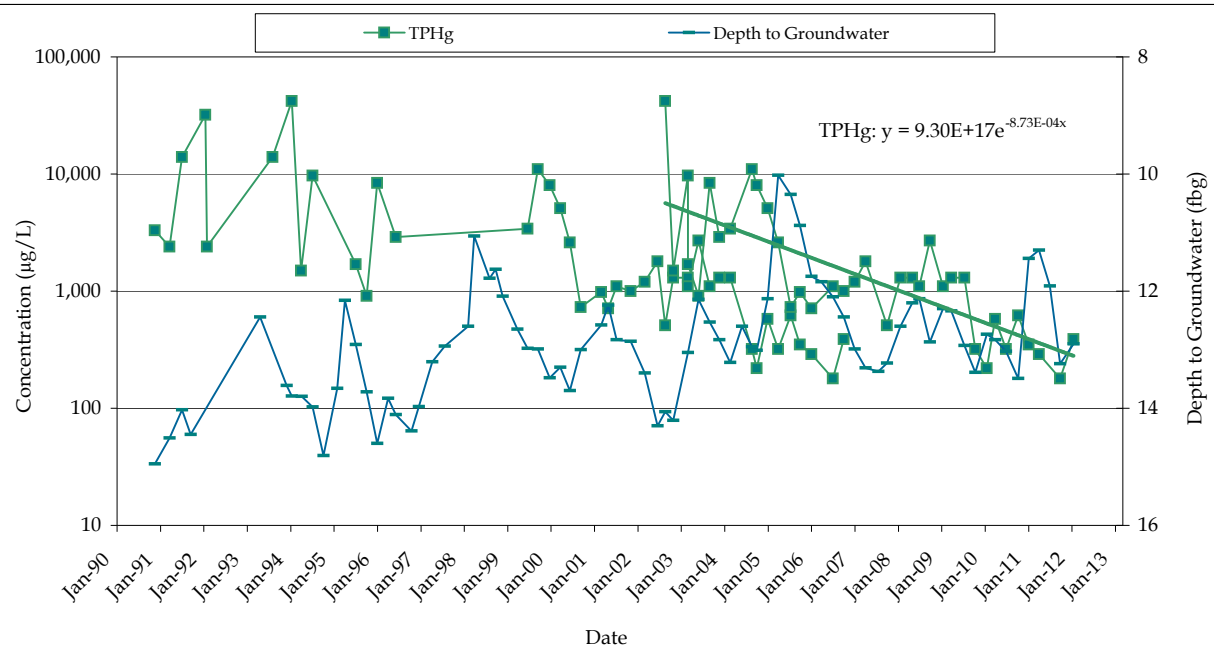
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-13

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L — a = decay constant
b = concentration at time (x) — x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)
Given		
WQO :	y	50
Constant:	b	9.30E+17
Constant:	a	-8.73E-04
Starting date for current trend:		8/6/2002
Calculate		
Attenuation Half Life (years):	(-ln(2)/a)/365.25	2.17
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Jun 2017



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MW-13: TPHg CONCENTRATIONS AND DEPTH TO GROUNDWATER

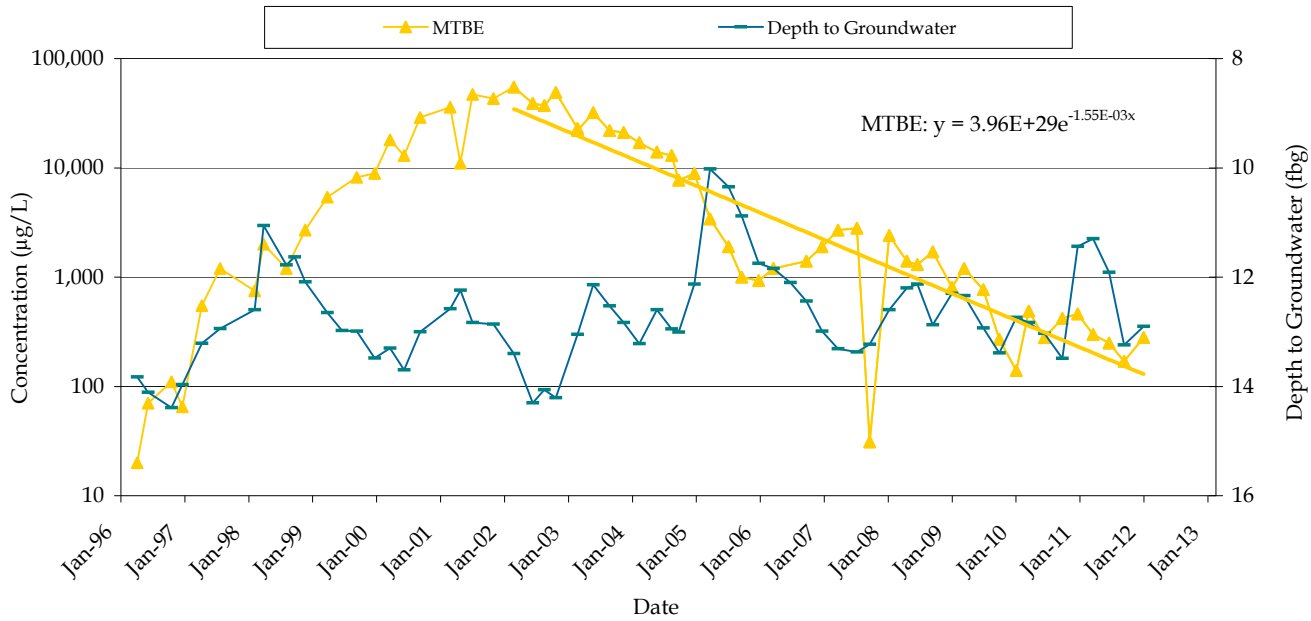
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-13

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b\,e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

	Constituent	Methyl Tertiary Butyl Ether (MTBE)
Given		
WQO:	y	5
Constant:	b	3.96E+29
Constant:	a	-1.55E-03
Starting date for current trend:		3/6/2002
Calculate		
Attenuation Half Life (years):	(-ln(2)/a)/365.25	1.23
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Oct 2017



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MW-13: MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

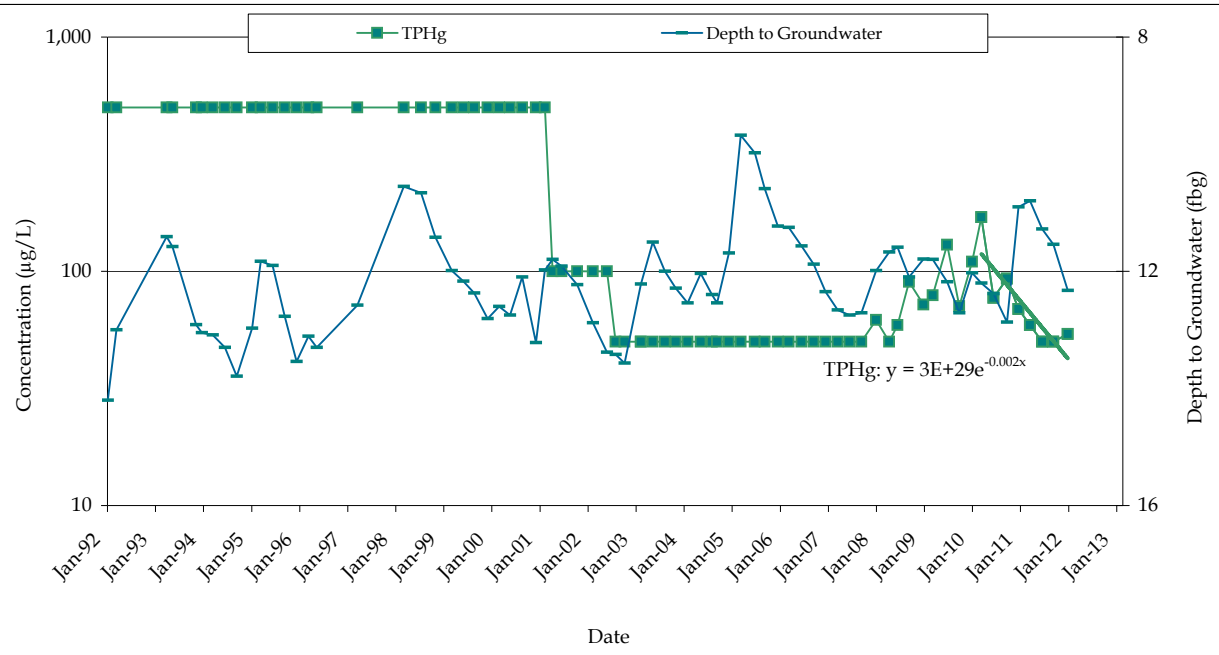
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-14

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b\,e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L — a = decay constant
b = concentration at time (x) — x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)
Given		
WQO :	y	50
Constant:	b	2.70E+29
Constant:	a	-1.56E-03
Starting date for current trend:		4/7/2010
Calculate		
Attenuation Half Life (years):	(-ln(2)/a)/365.25	1.21
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Oct 2011



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MW-14: TPHg CONCENTRATIONS AND DEPTH TO GROUNDWATER

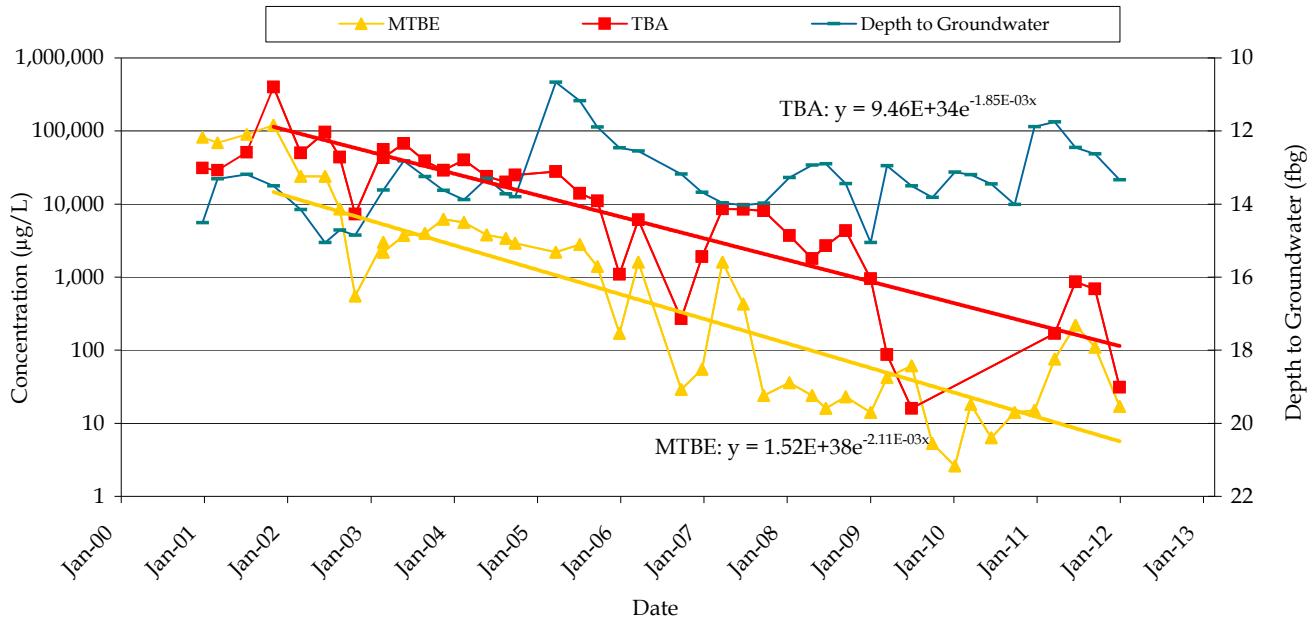
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-15

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L — a = decay constant
b = concentration at time (x) — x = time (x) in days

	Constituent	Methyl Tertiary Butyl Ether (MTBE)	Tertiary butyl alcohol (TBA)
Given			
WQO:	y	5	12
Constant:	b	1.52E+38	9.46E+34
Constant:	a	-2.11E-03	-1.85E-03
Starting date for current trend:		11/7/2001	11/7/2001
Calculate			
Attenuation Half Life (years):	(-ln(2)/a)/365.25	0.90	1.02
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Mar 2012	May 2015



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MW-15: MTBE AND TBA CONCENTRATIONS AND DEPTH TO GROUNDWATER

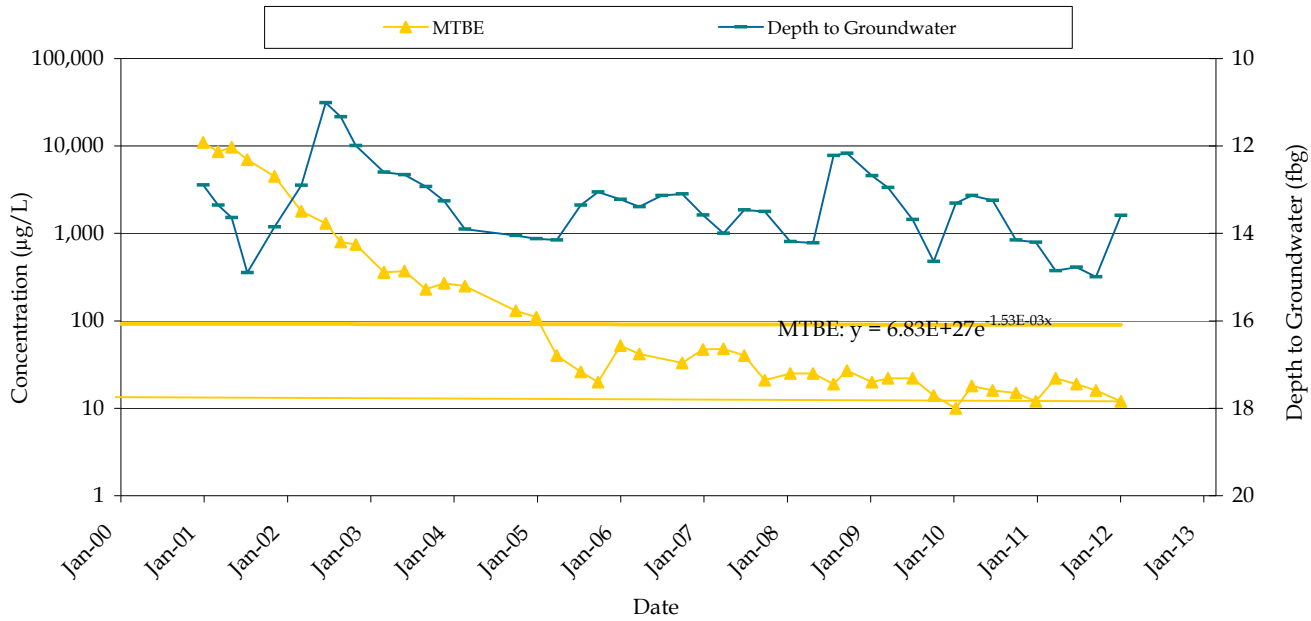
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-16

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L — a = decay constant
b = concentration at time (x) — x = time (x) in days

	Constituent	Methyl Tertiary Butyl Ether (MTBE)
Given		
WQO:	y	5
Constant:	b	6.83E+27
Constant:	a	-1.53E-03
Starting date for current trend:		12/28/2000
Calculate		
Attenuation Half Life (years):	(-ln(2)/a)/365.25	1.24
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Oct 2011



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MW-16: MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

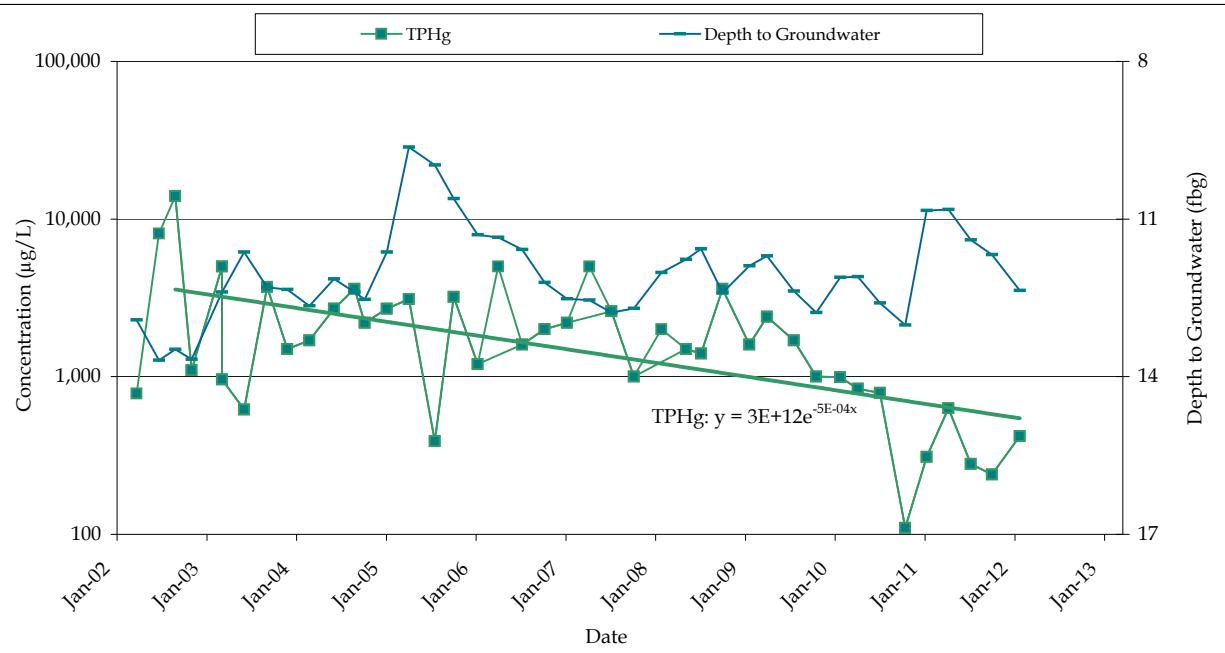
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-17

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L — a = decay constant
b = concentration at time (x) — x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)
Given		
WQO :	y	50
Constant:	b	2.86E+12
Constant:	a	-5.47E-04
Starting date for current trend:		8/26/2002
Calculate		
Attenuation Half Life (years):	(-ln(2)/a)/365.25	3.47
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Jan 2024



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MW-17: TPHg CONCENTRATIONS AND DEPTH TO GROUNDWATER

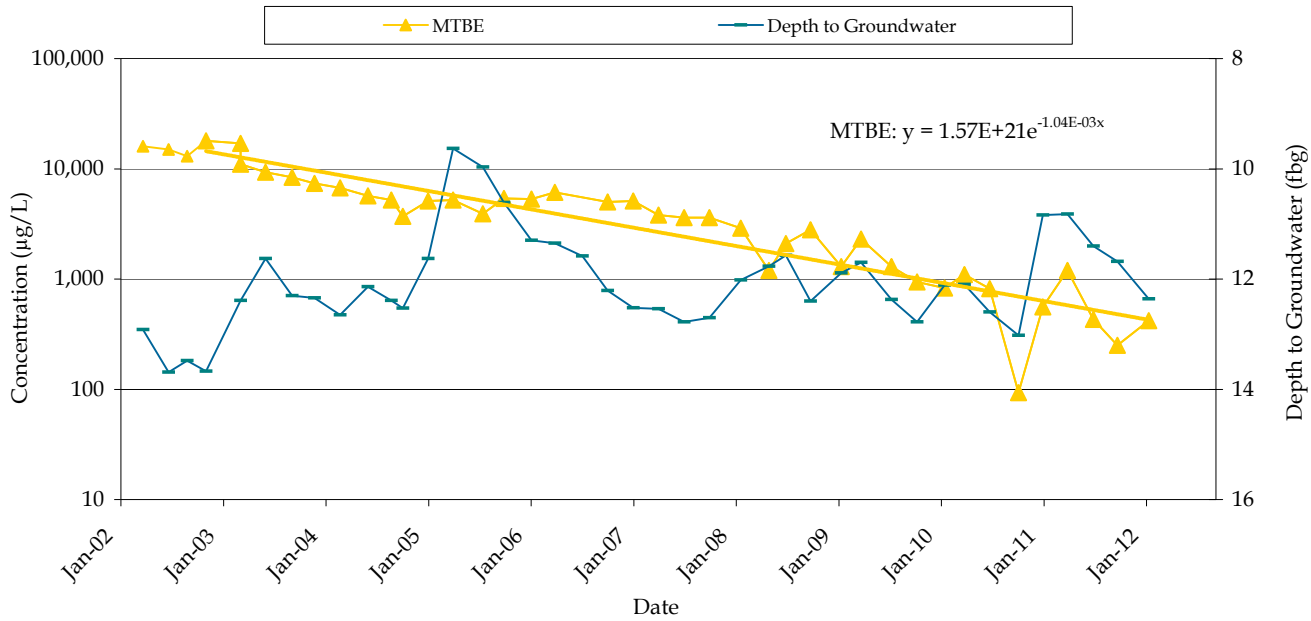
Predicted Time to Reach Water Quality Objectives (WQO) in Well MW-17

Shell-branded Service Station, 23971 El Toro Rd, Laguna Hills, California

$y = b\,e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

	Constituent	Methyl Tertiary Butyl Ether (MTBE)
Given		
WQO:	y	5
Constant:	b	1.57E+21
Constant:	a	-1.04E-03
Starting date for current trend:		11/1/2002
Calculate		
Attenuation Half Life (years):	(-ln(2)/a)/365.25	1.82
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Sep 2023



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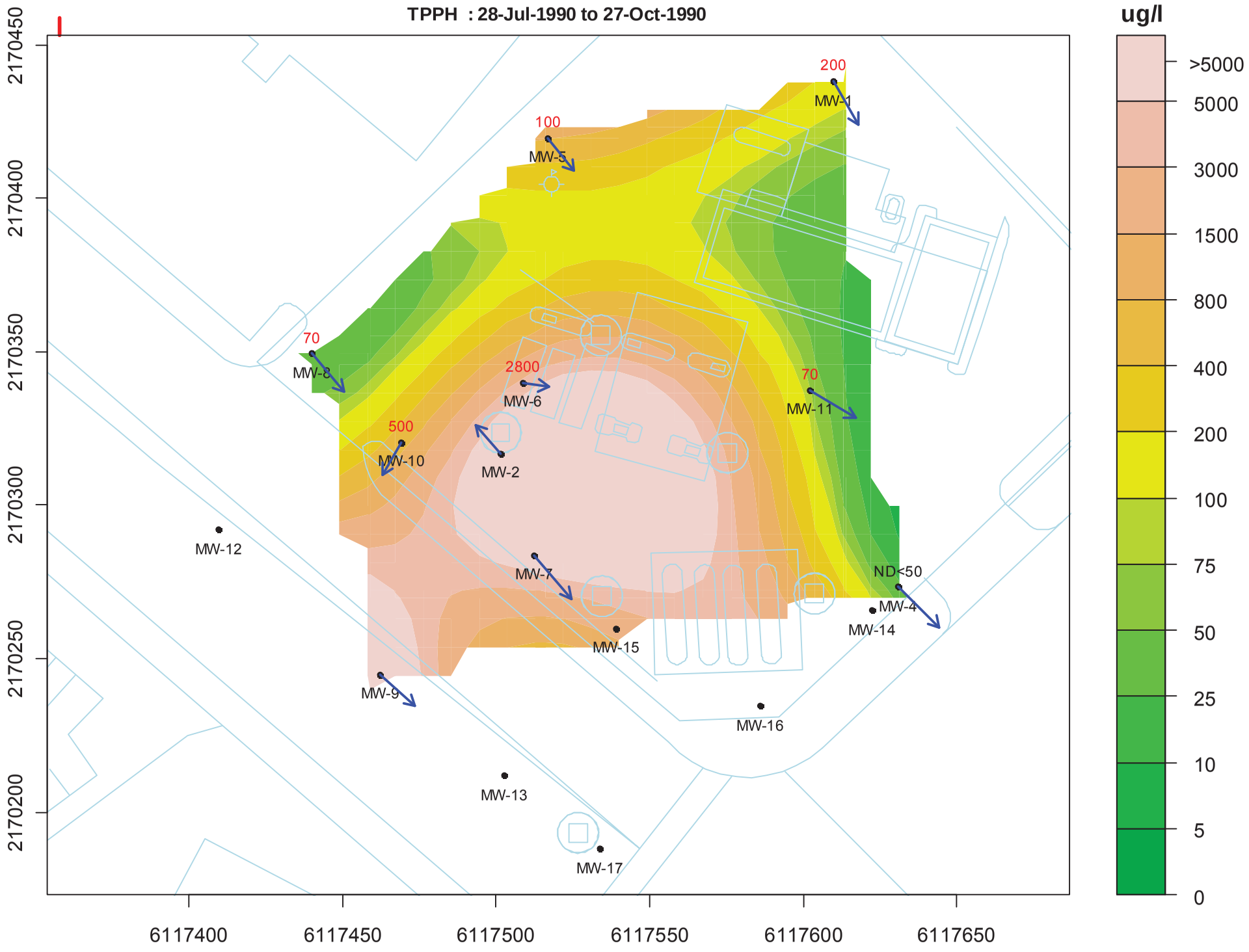
MW-17: MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

APPENDIX G

GSWDAT MODELING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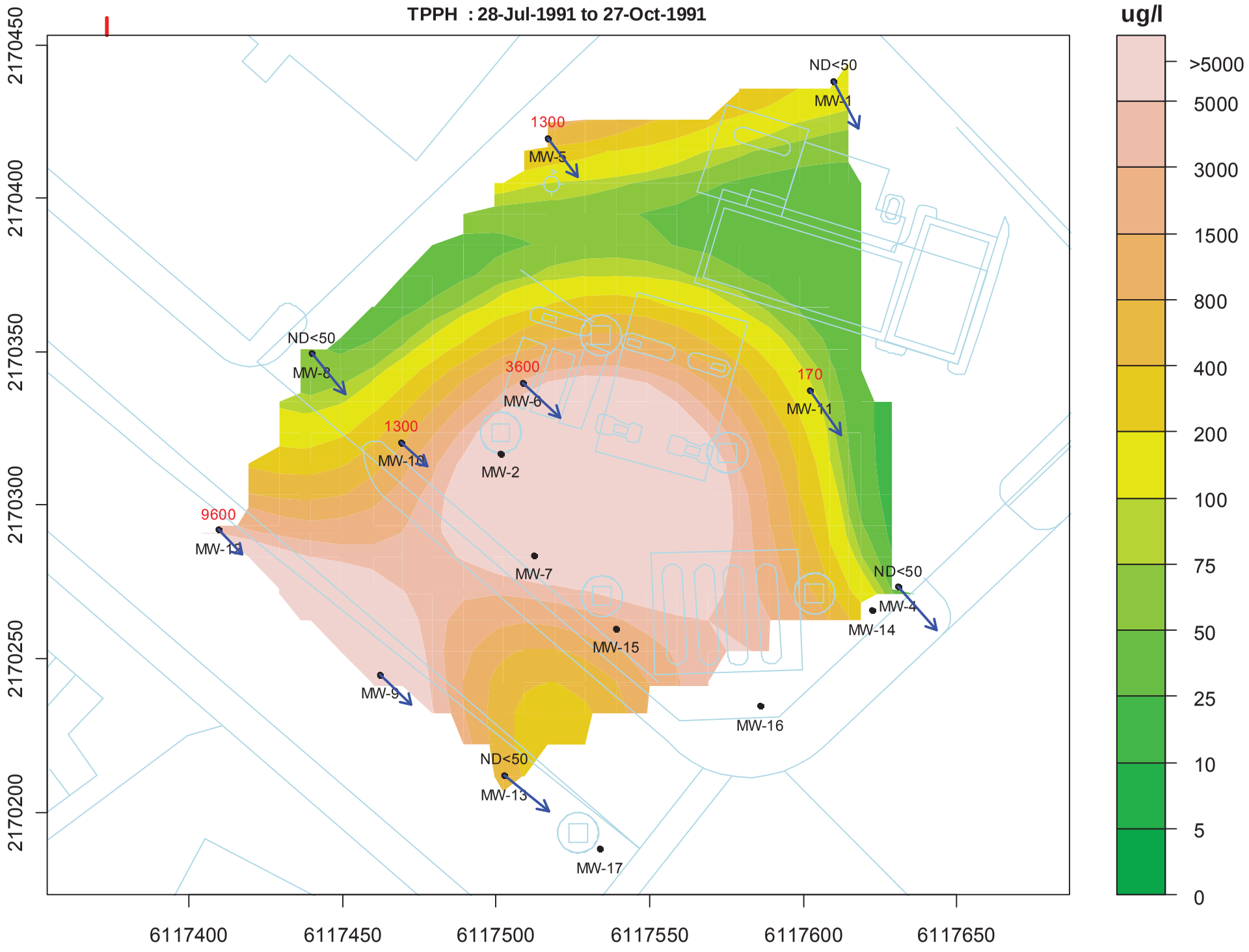
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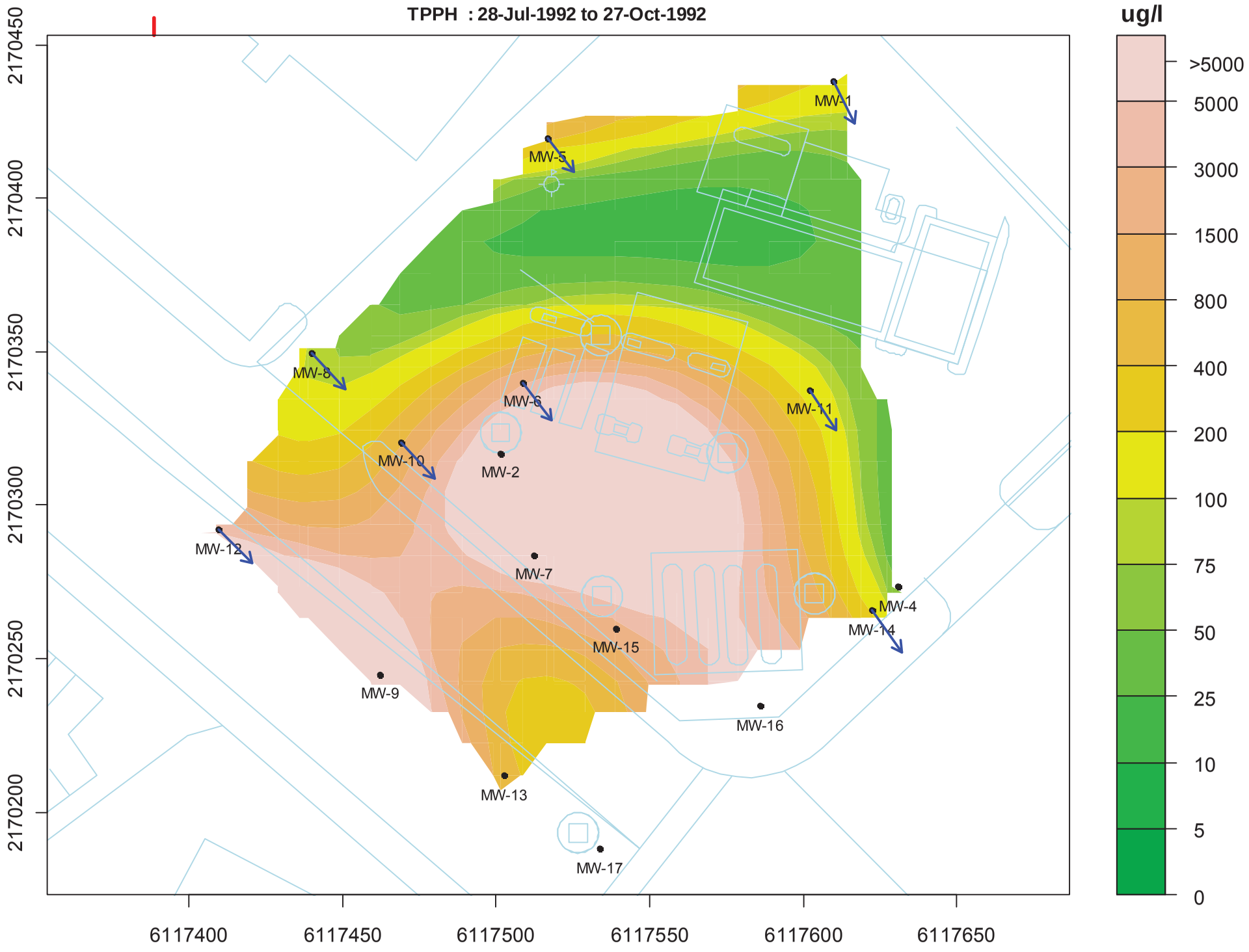
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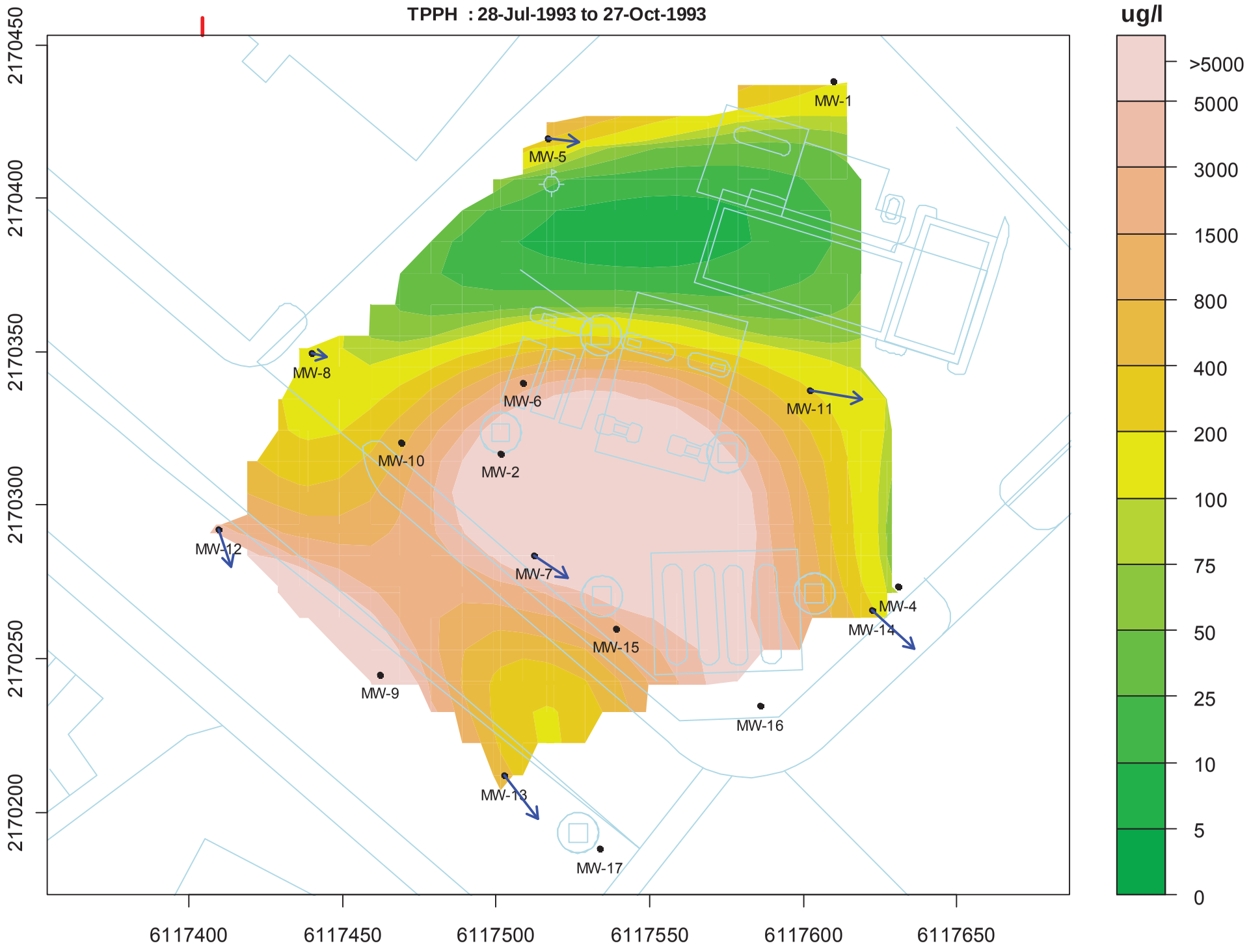
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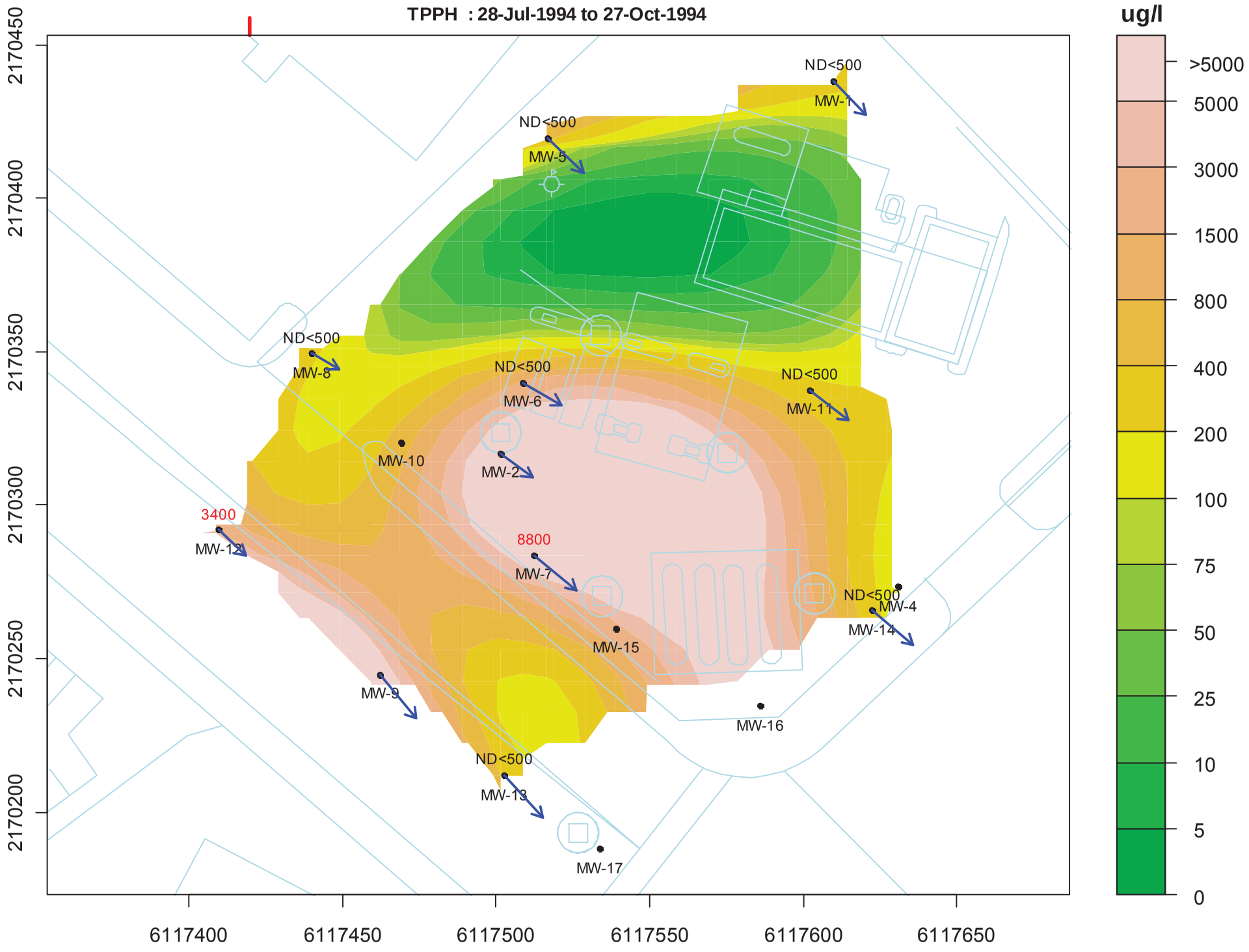
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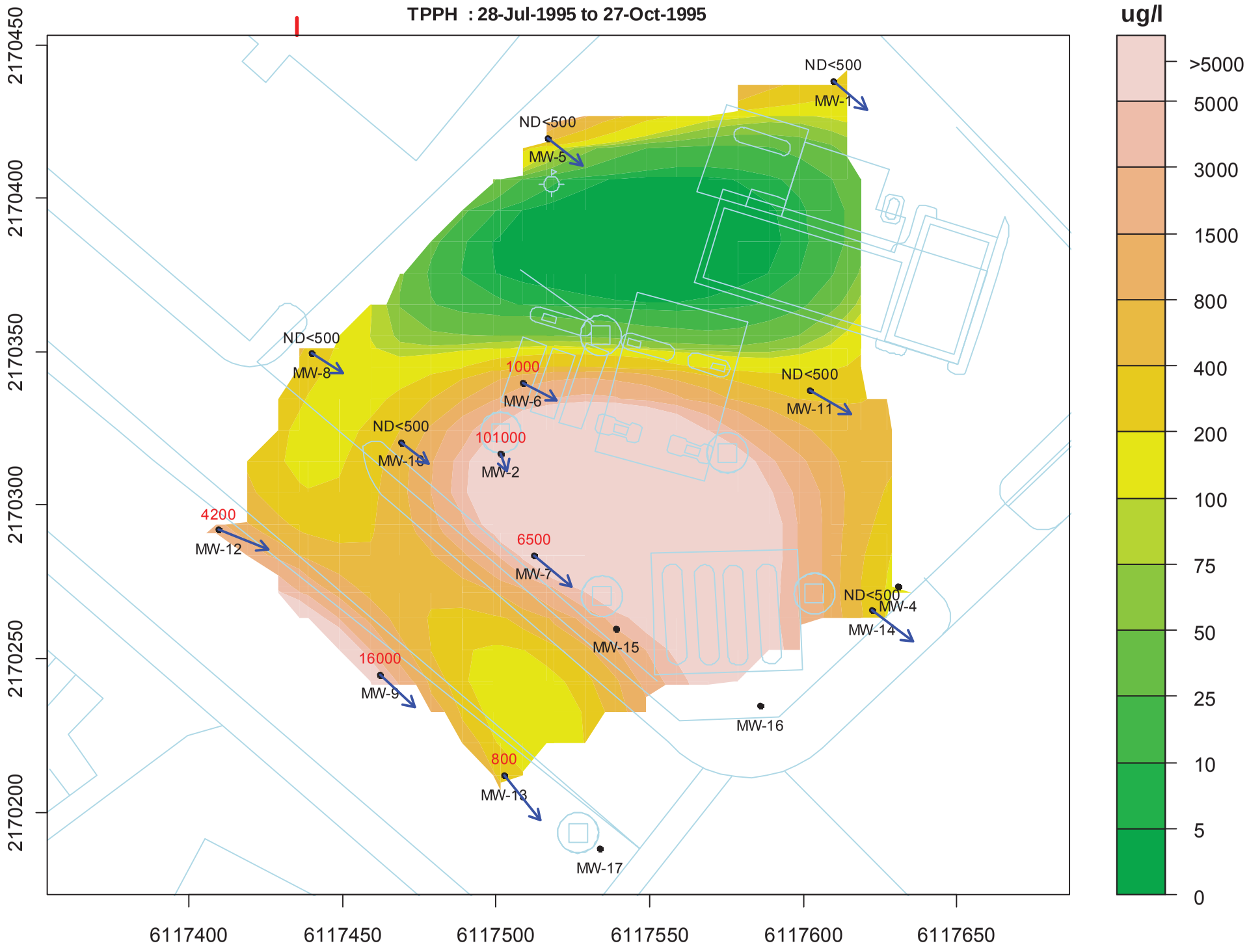
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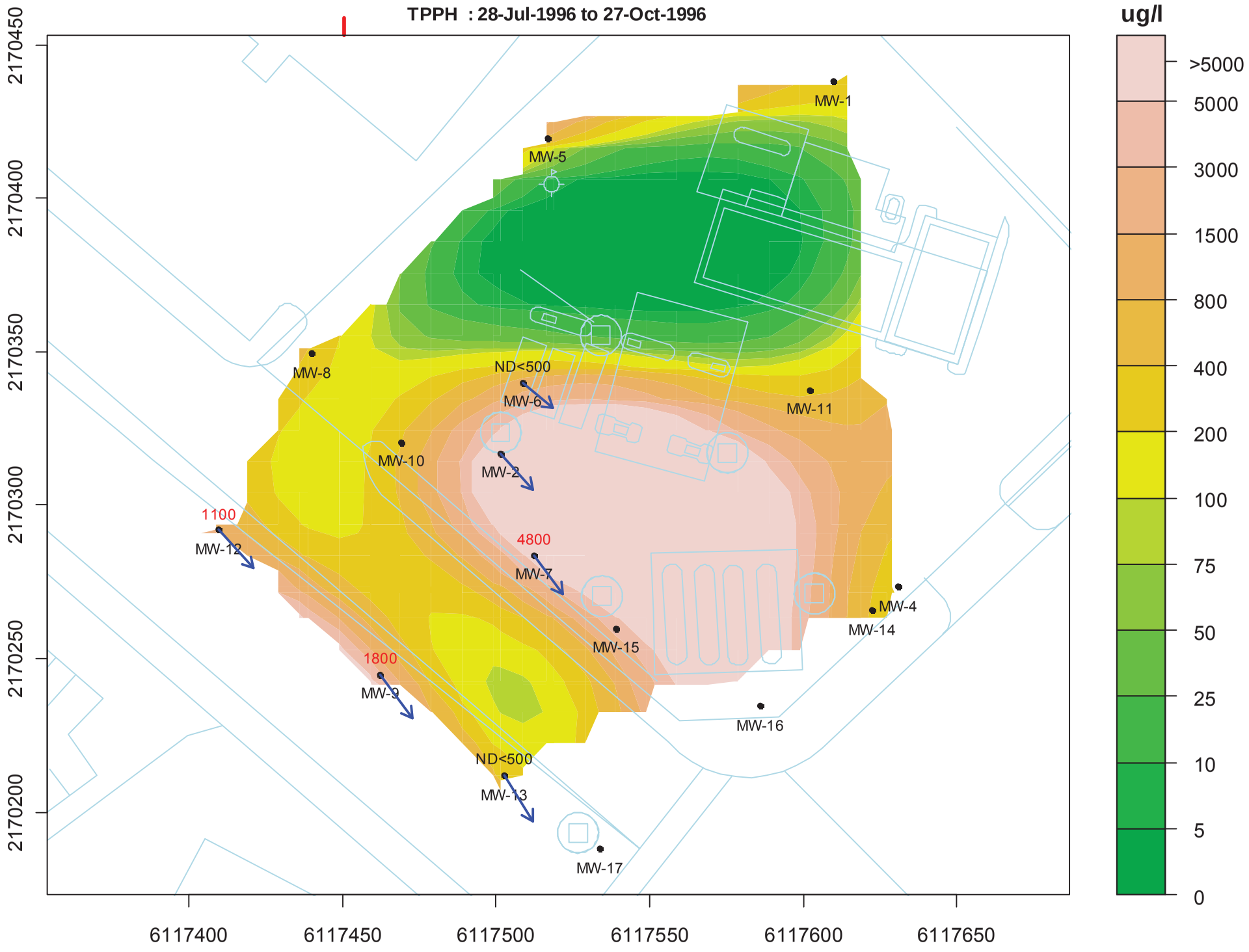
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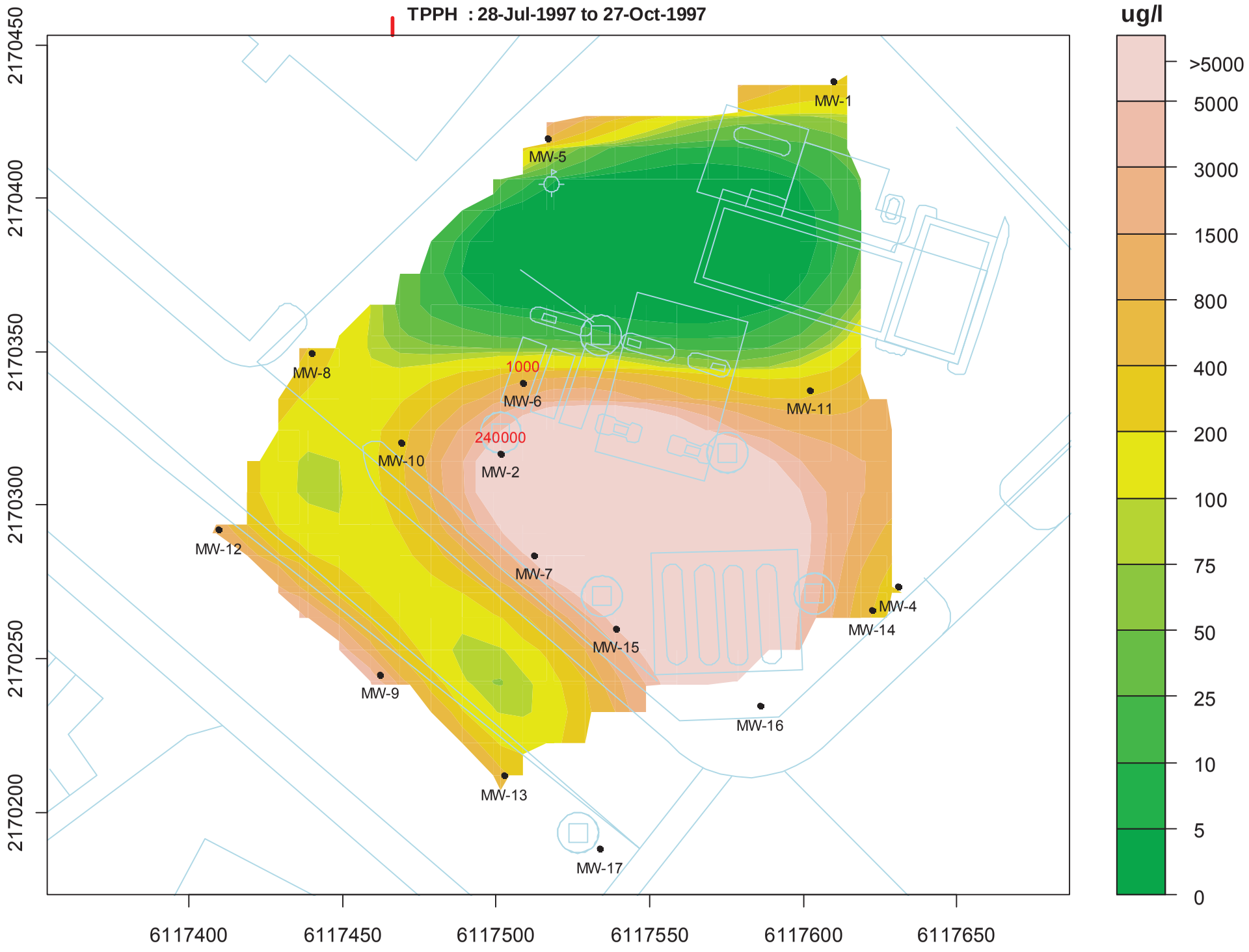
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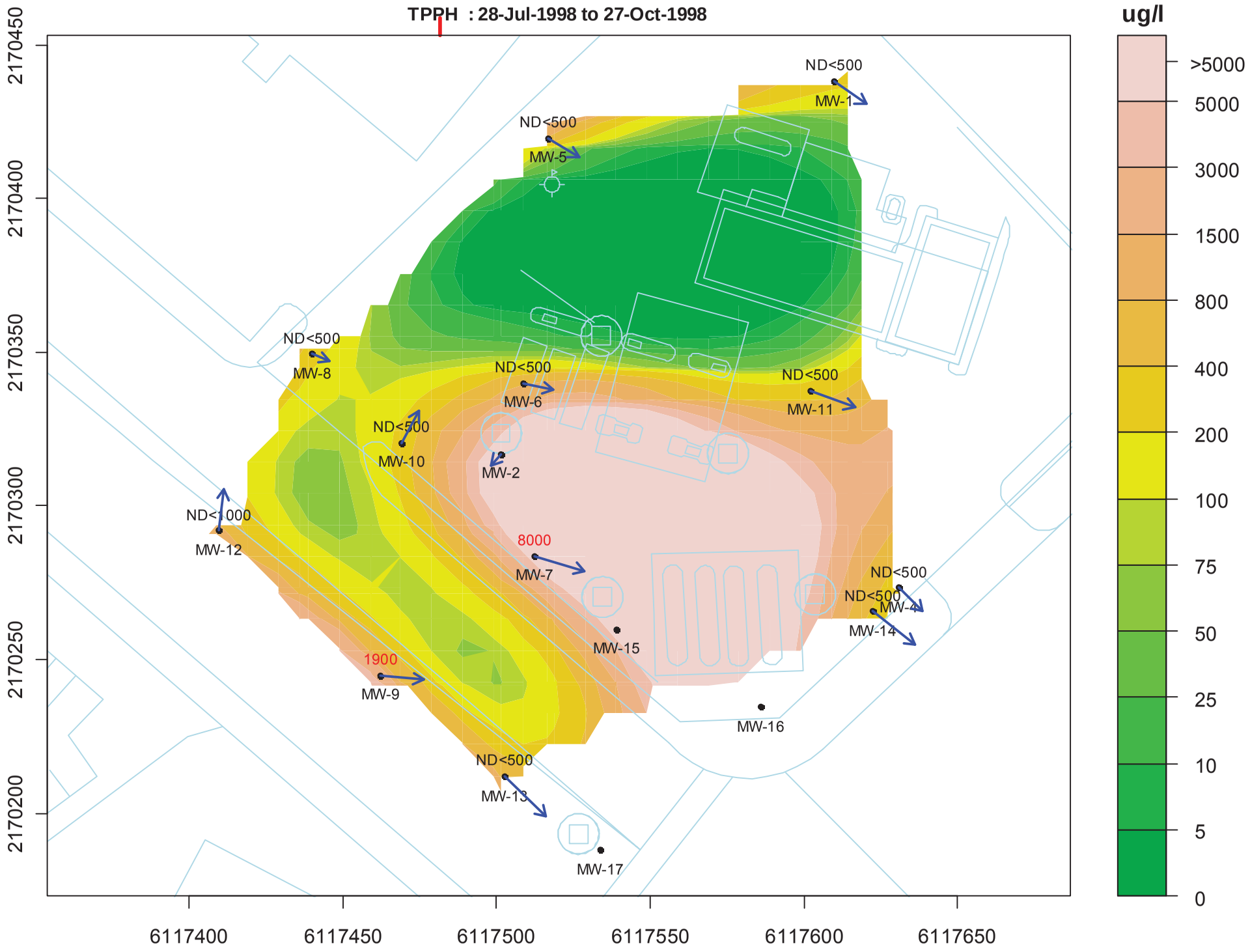
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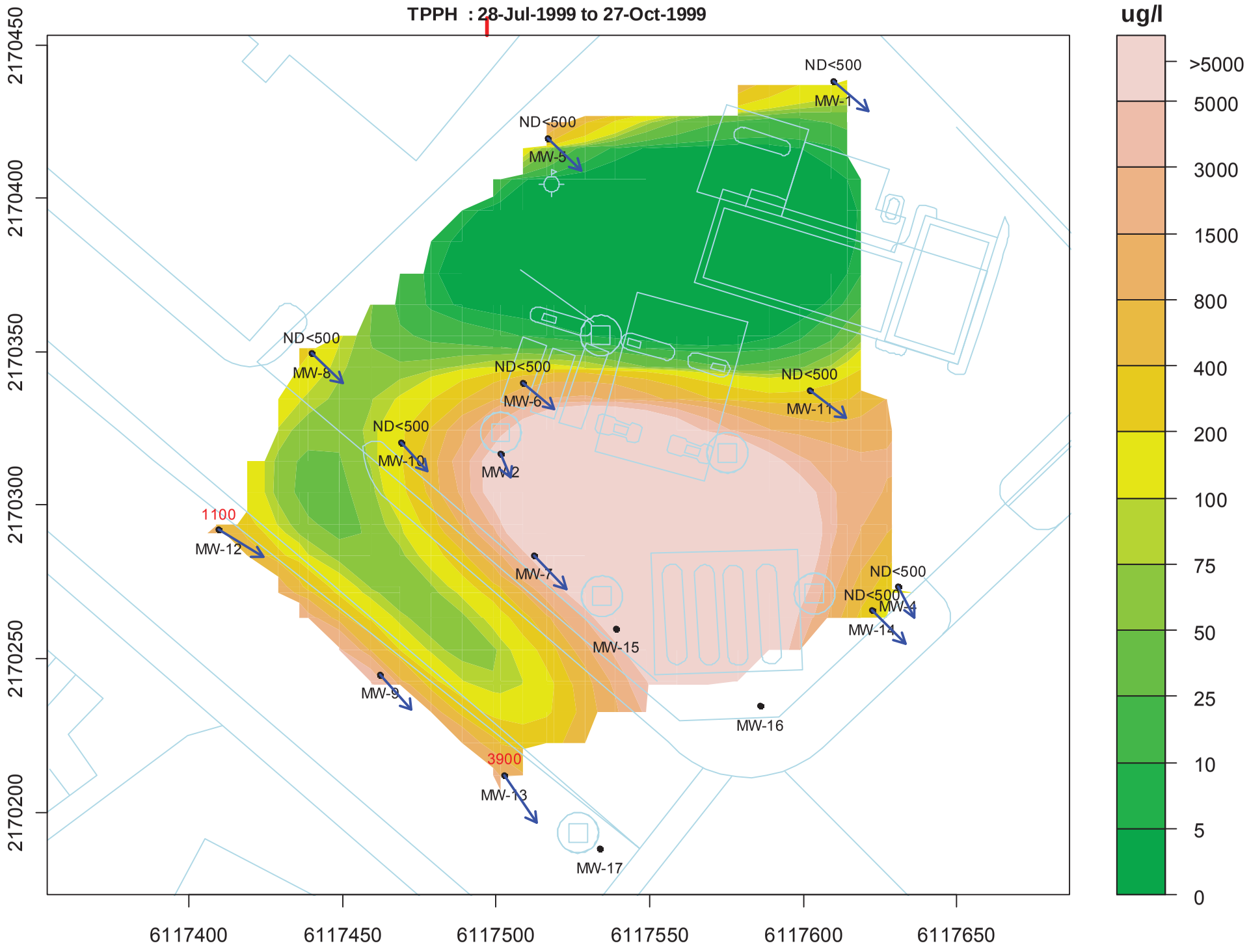
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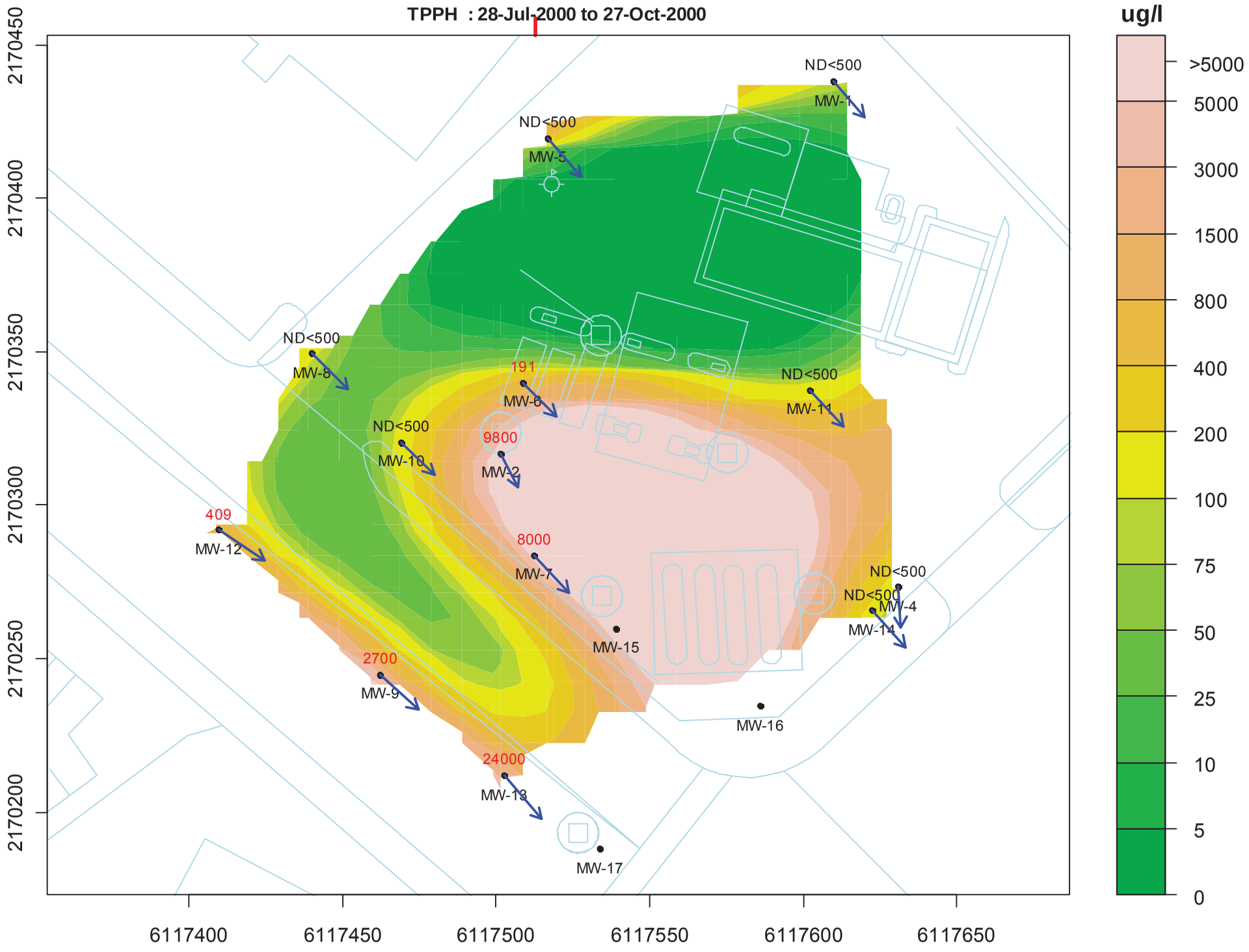
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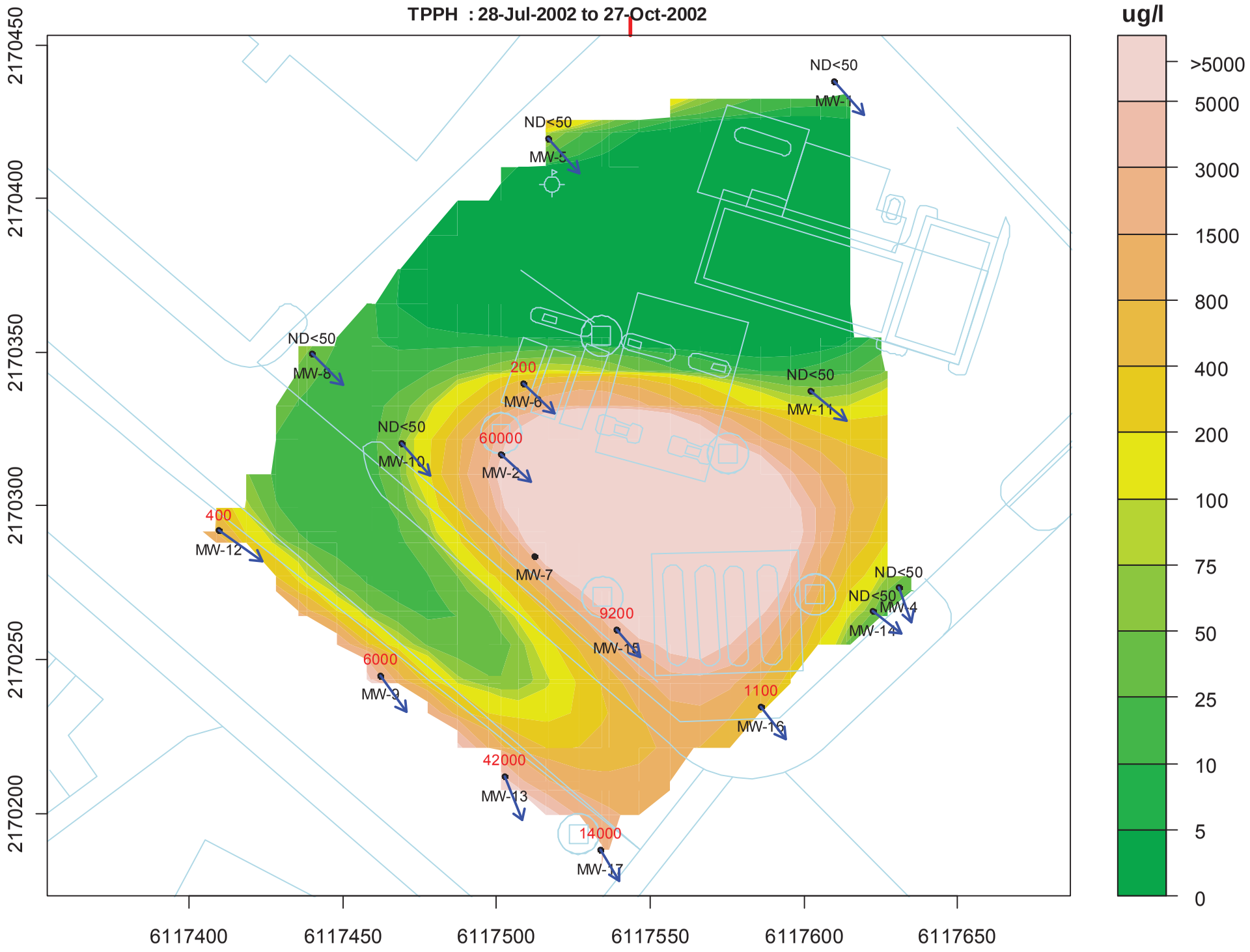
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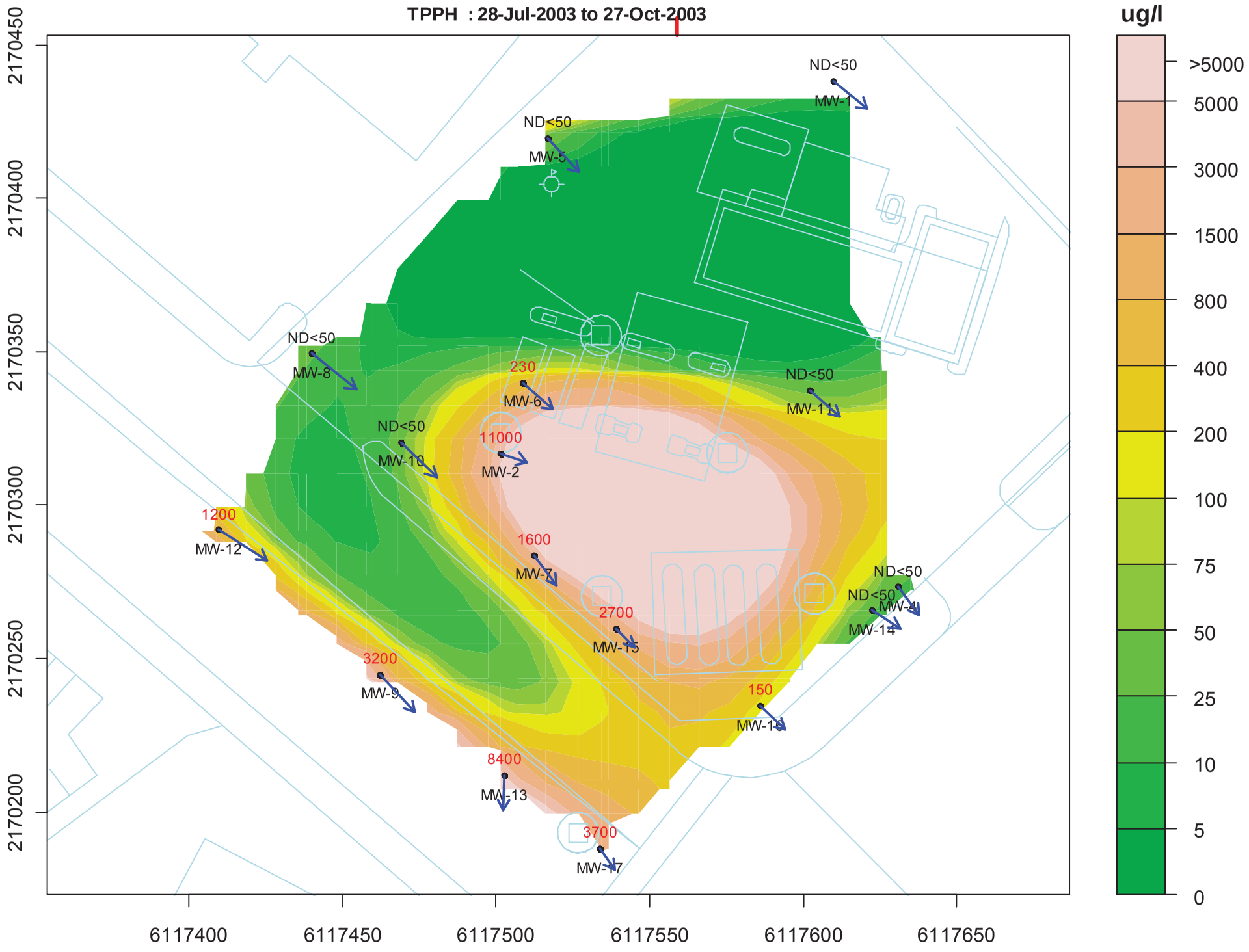
TPPH : 28-Jul-2003 to 27-Oct-2003
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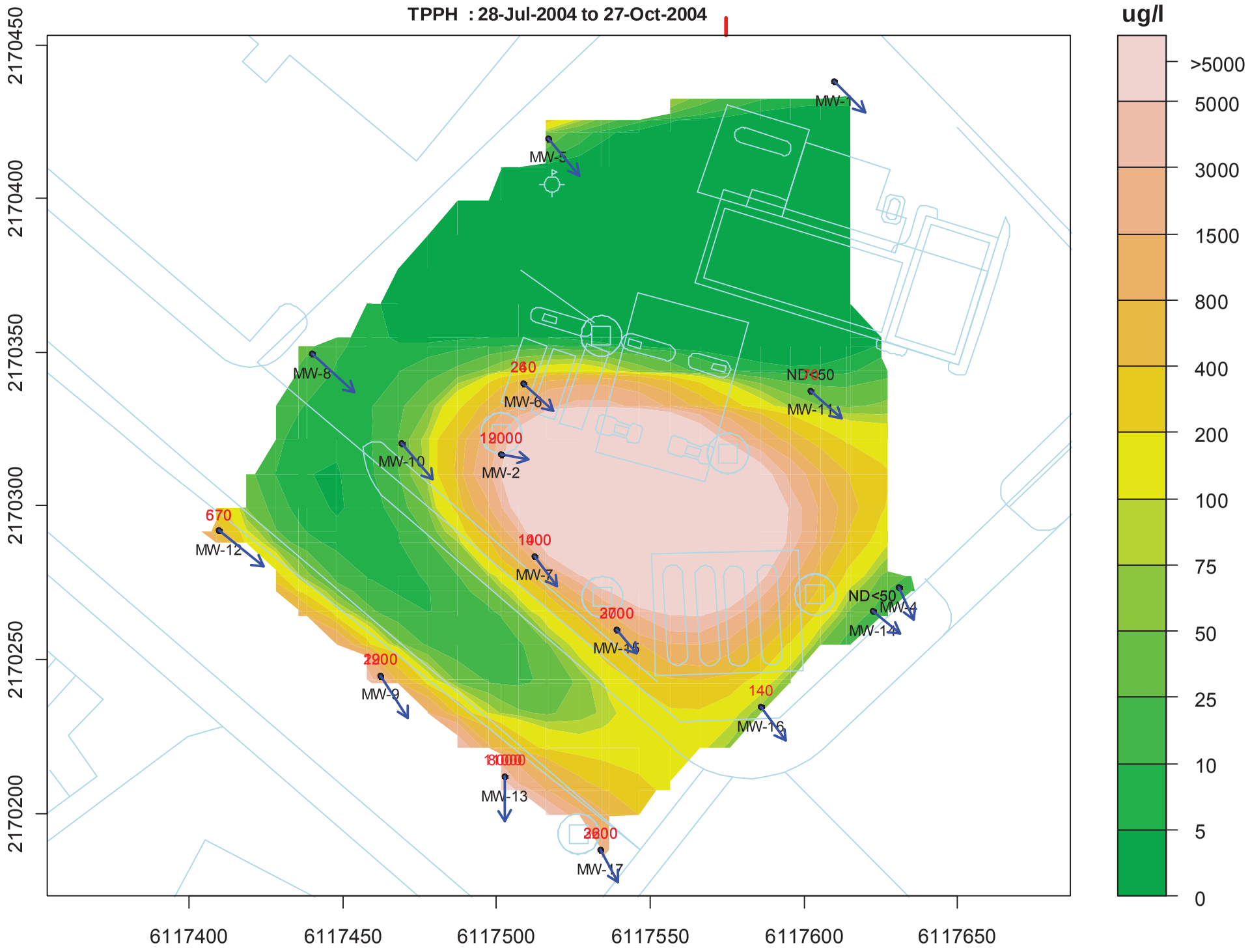
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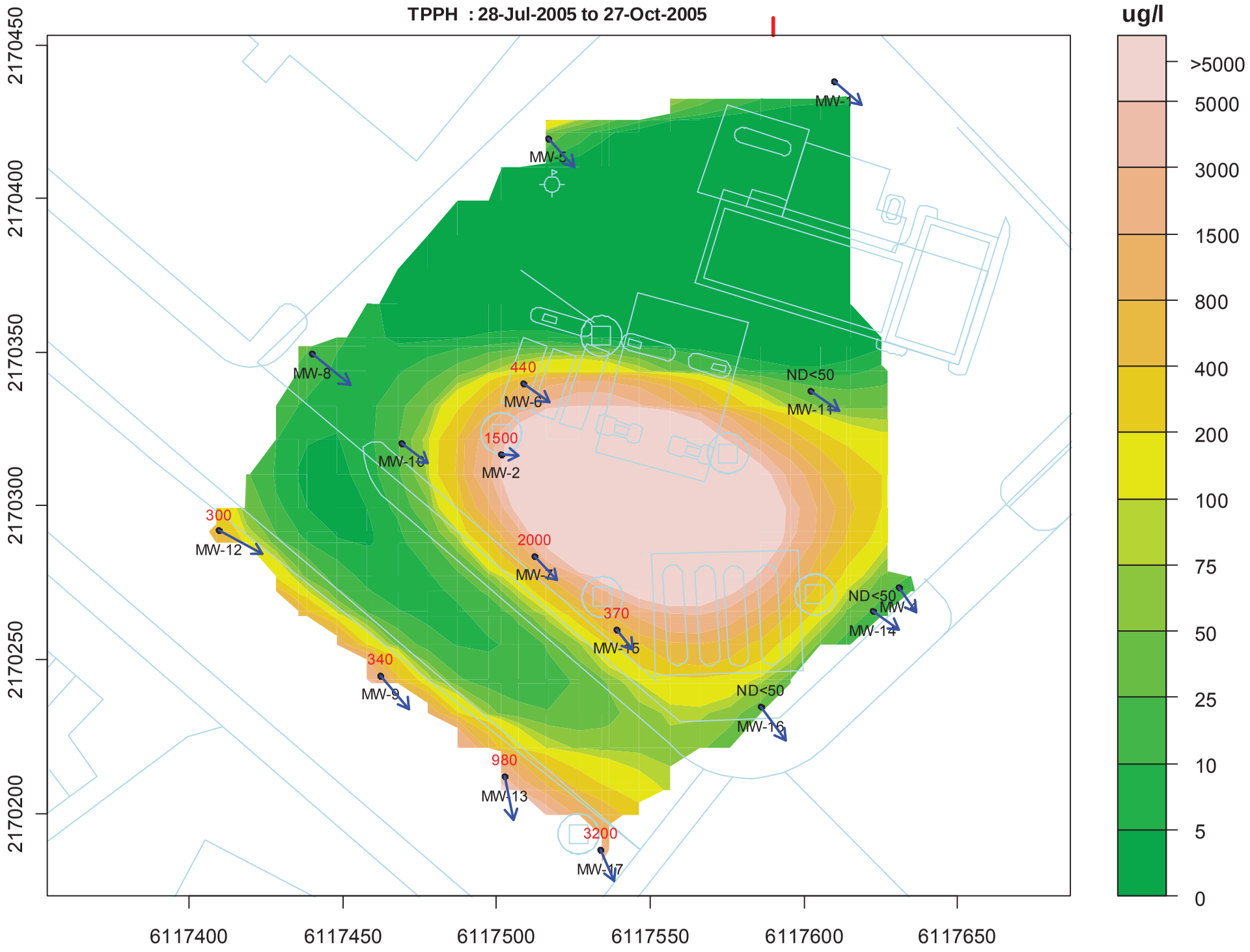
TPPH : 28-Jul-2005 to 27-Oct-2005
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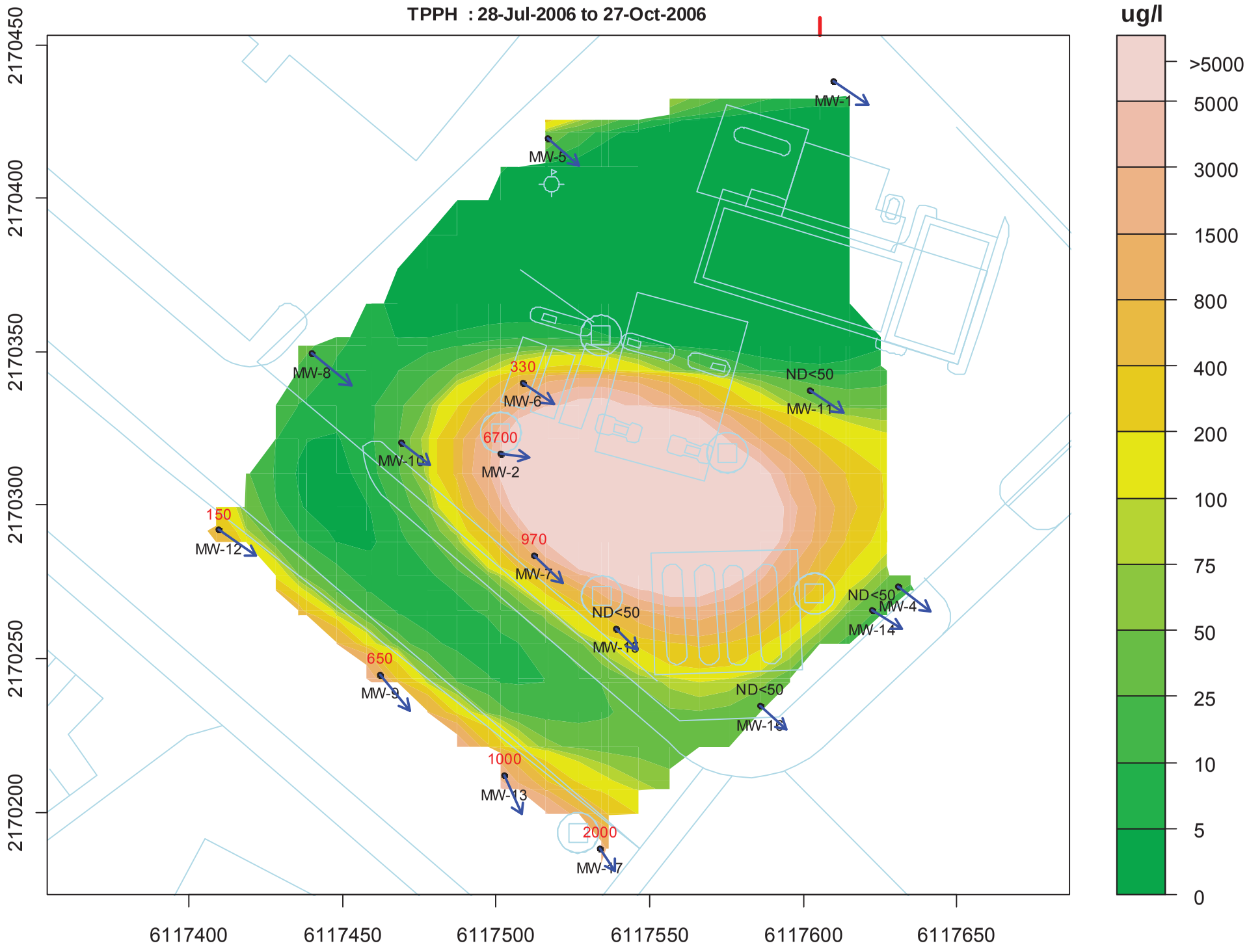
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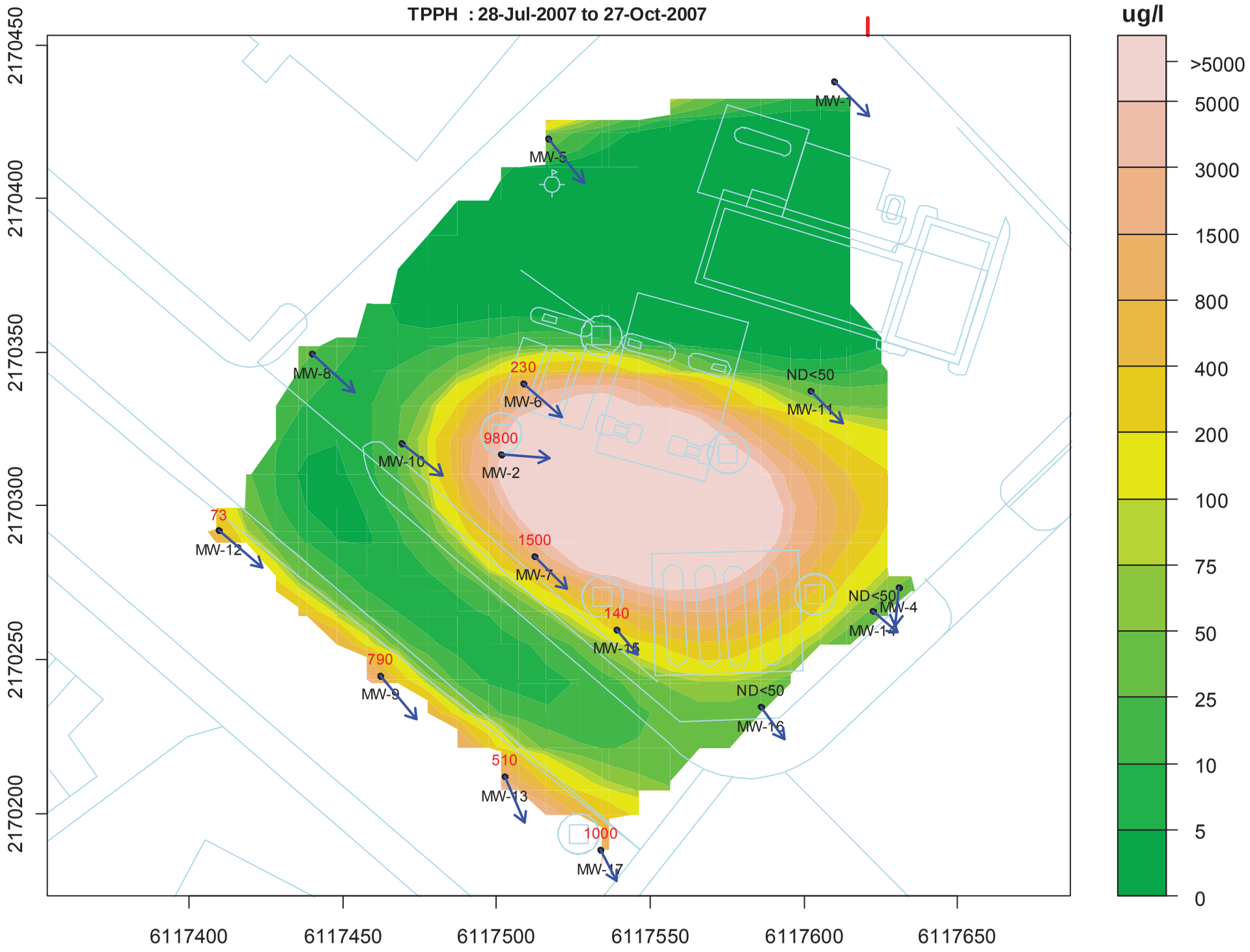
TPPH : 28-Jul-2007 to 27-Oct-2007
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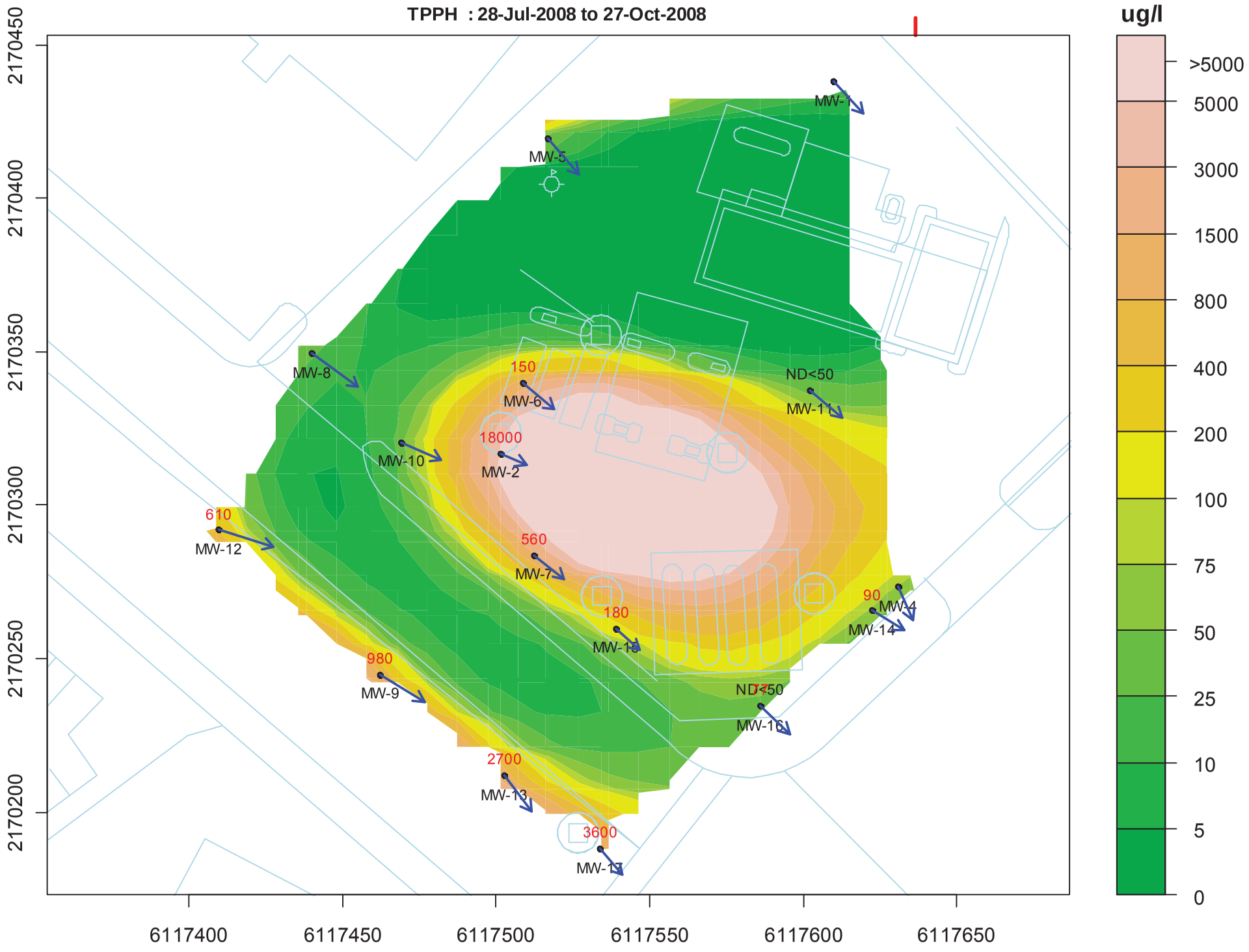
TPPH : 28-Jul-2008 to 27-Oct-2008
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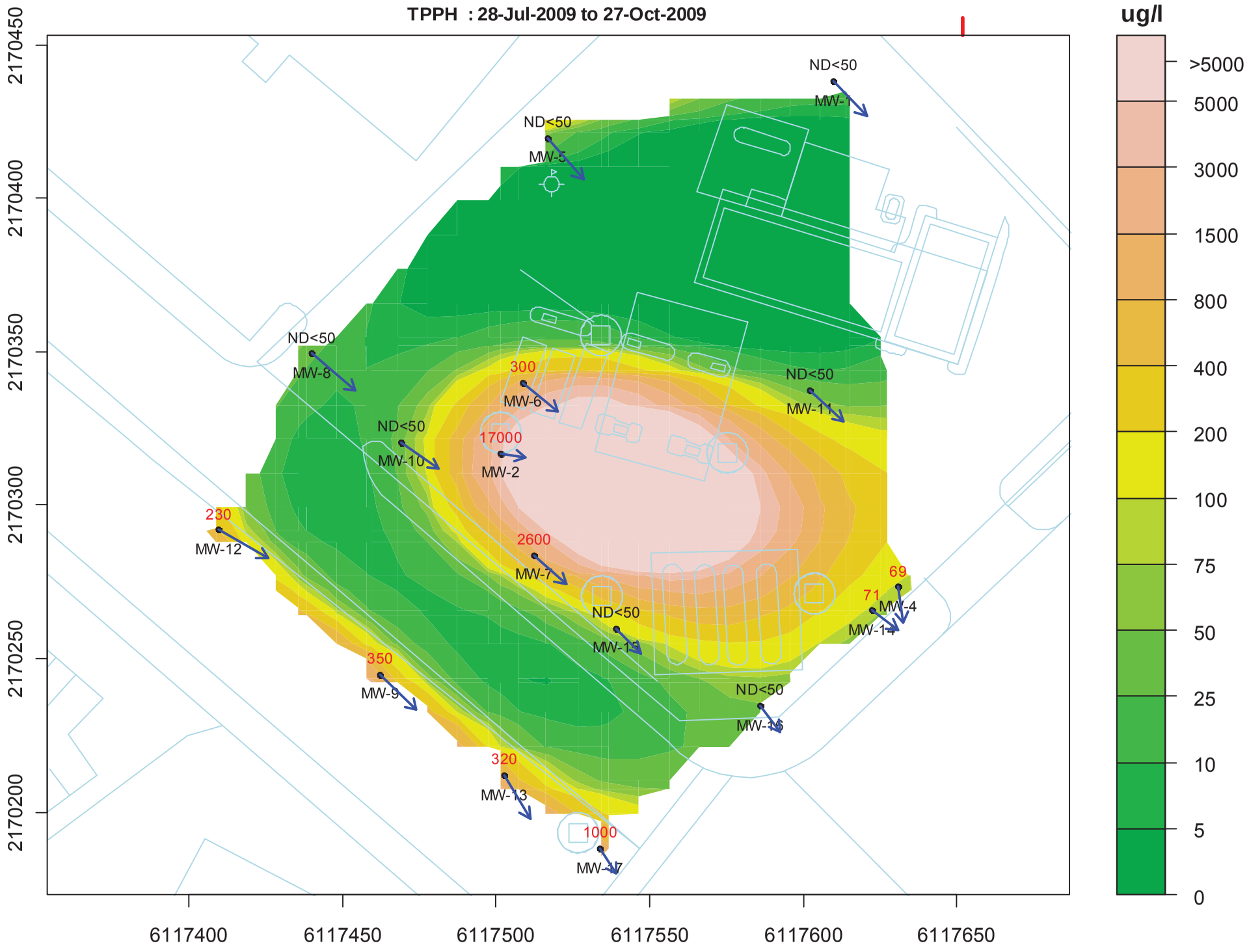
TPPH : 28-Jul-2009 to 27-Oct-2009
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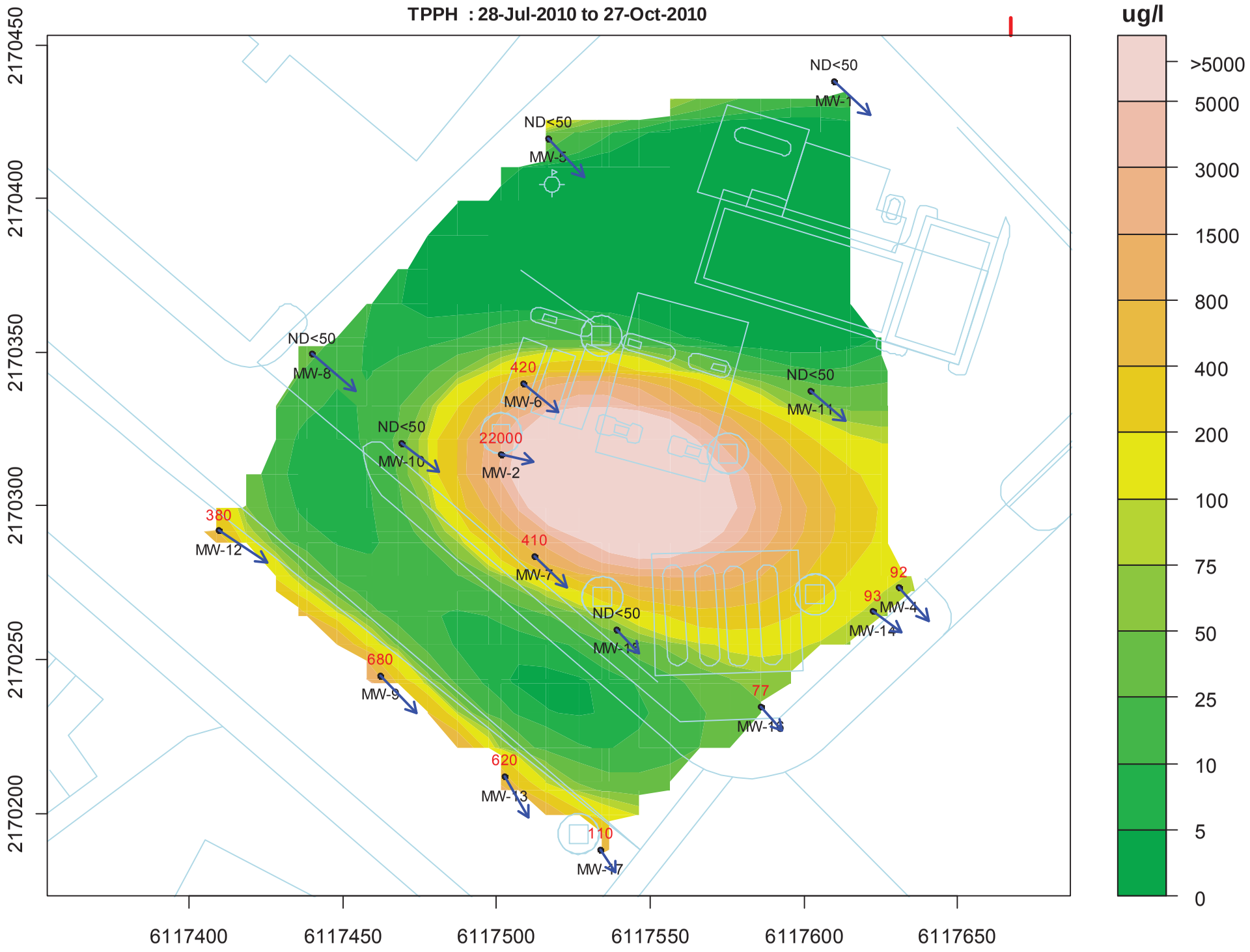
TPPH : 28-Jul-2010 to 27-Oct-2010
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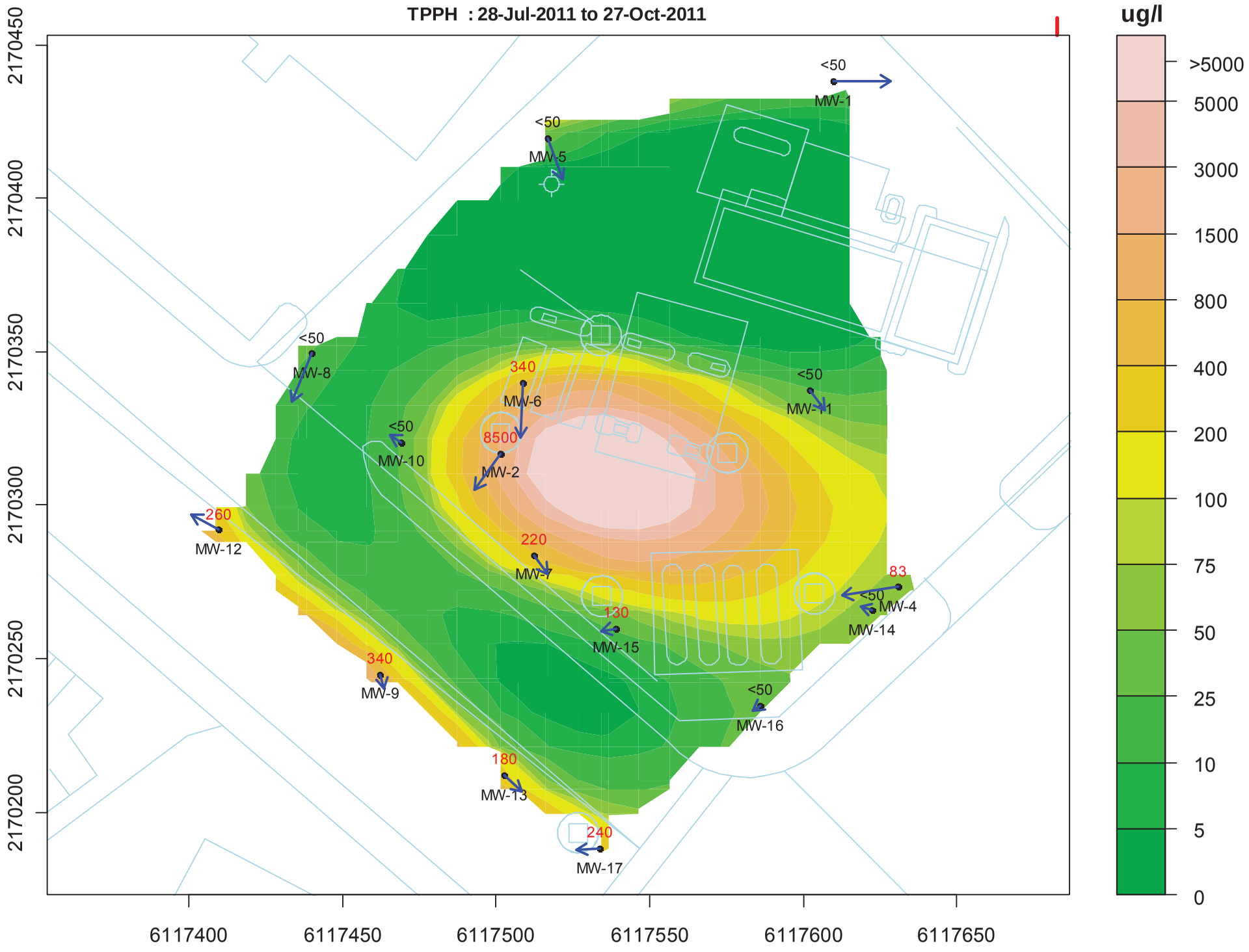
TPPH : 28-Jul-2011 to 27-Oct-2011
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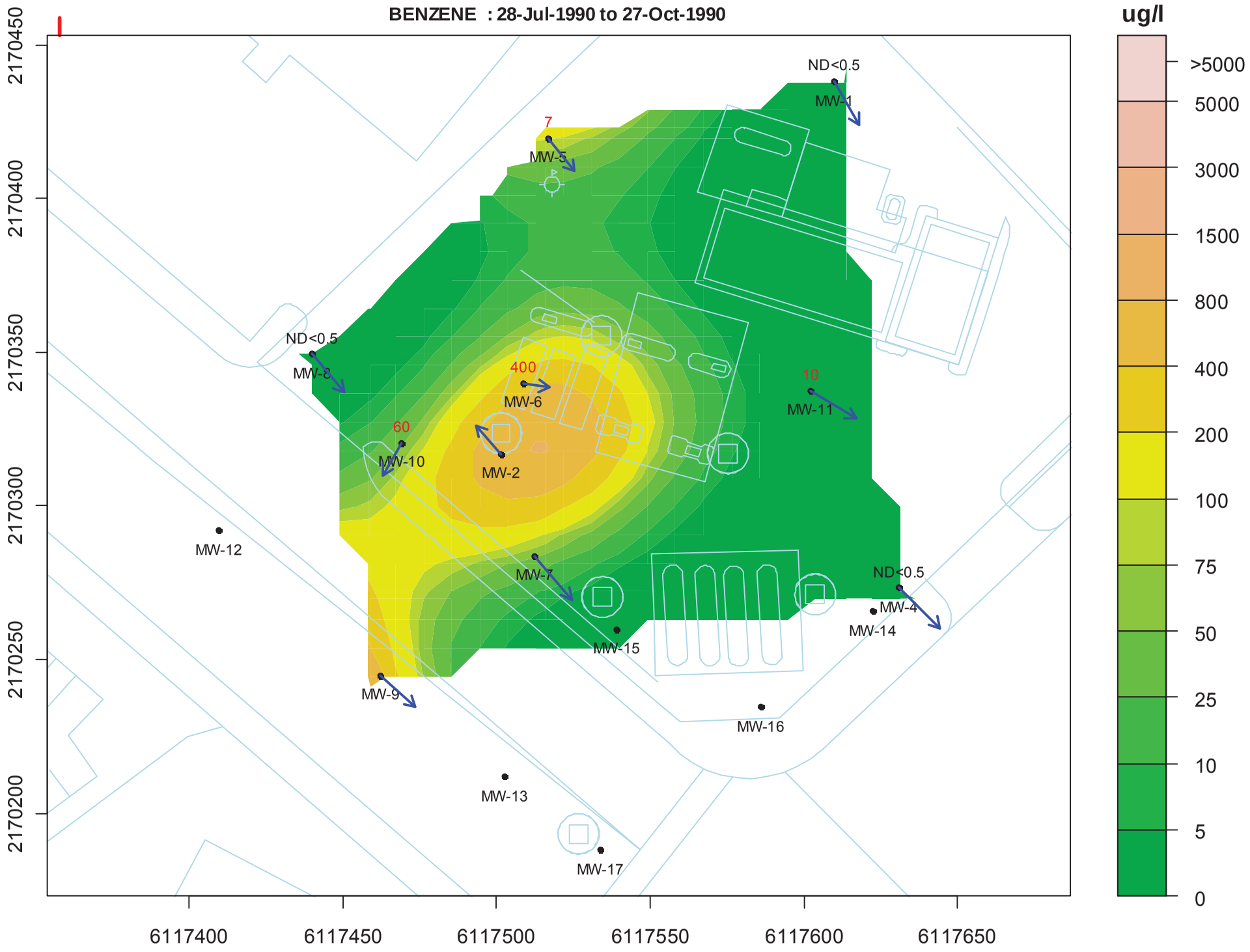
BENZENE : 28-Jul-1990 to 27-Oct-1990
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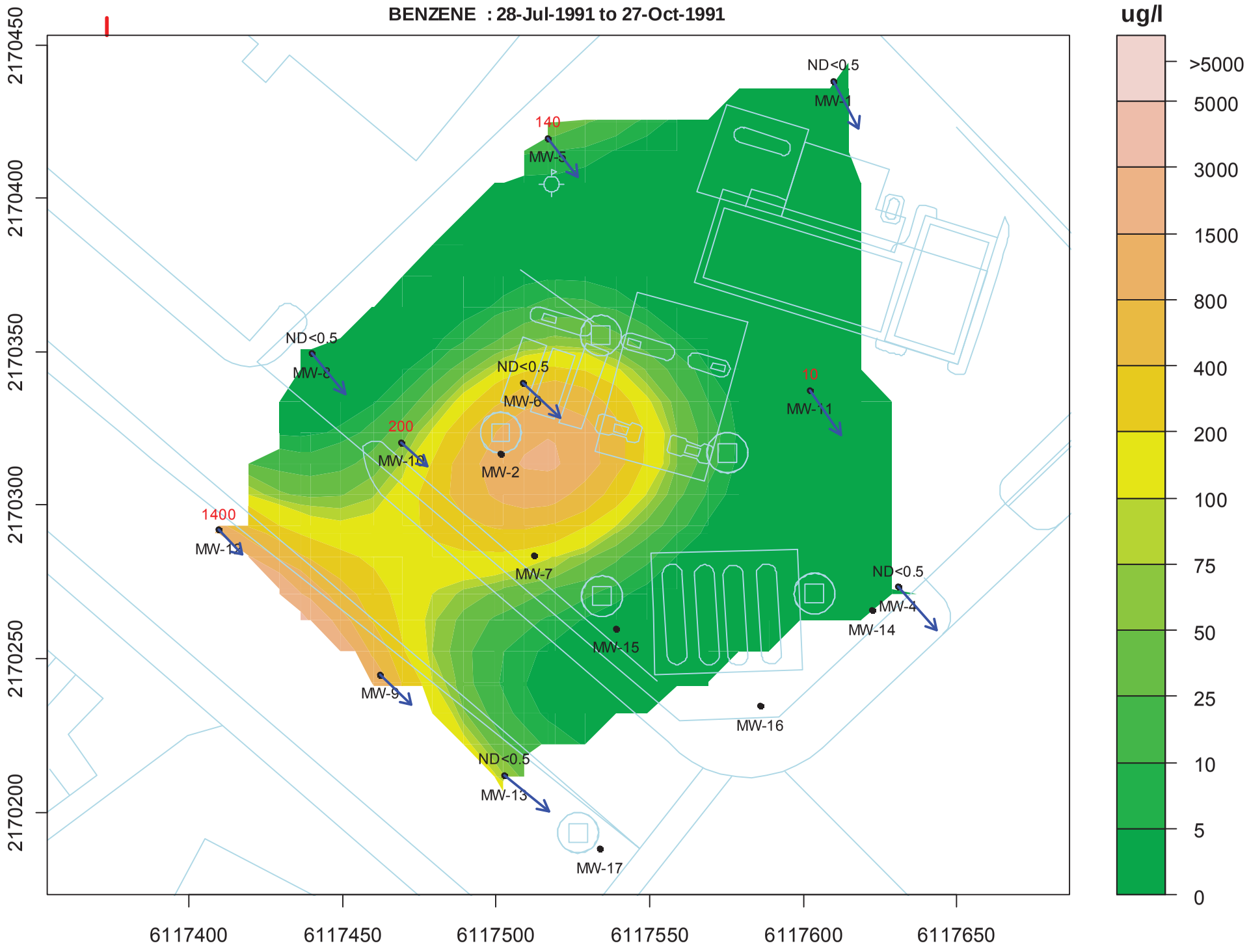
BENZENE : 28-Jul-1991 to 27-Oct-1991
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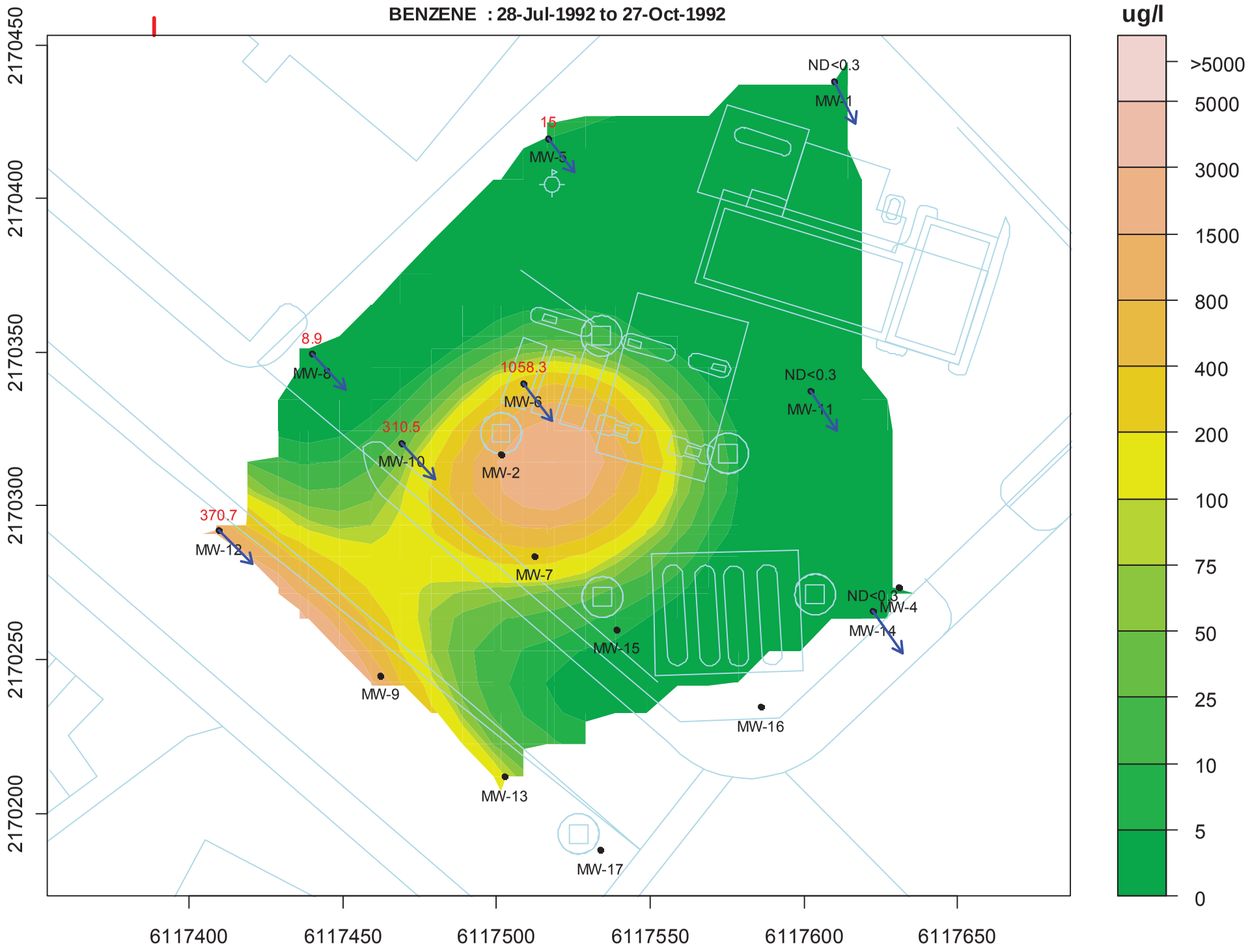
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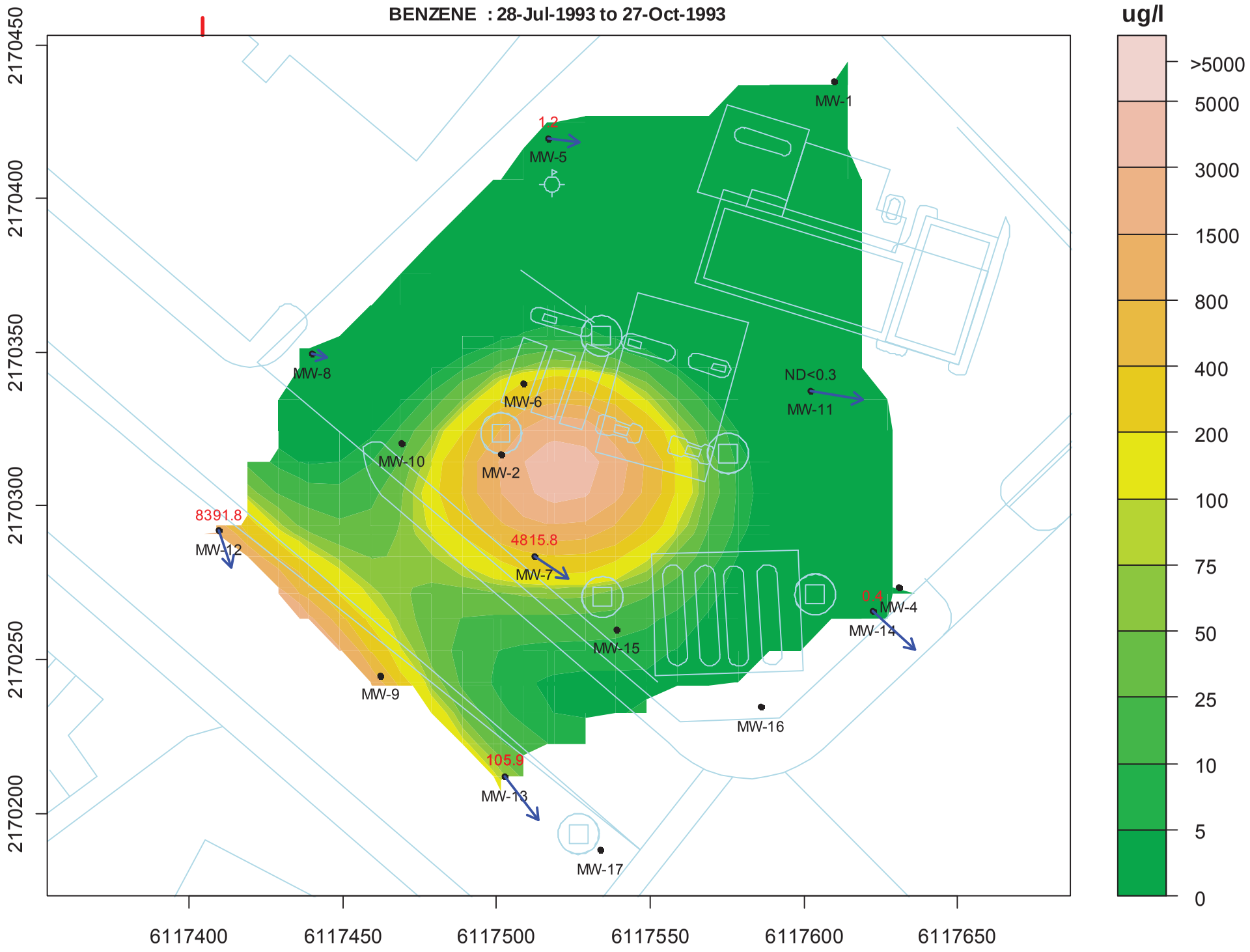
BENZENE : 28-Jul-1993 to 27-Oct-1993
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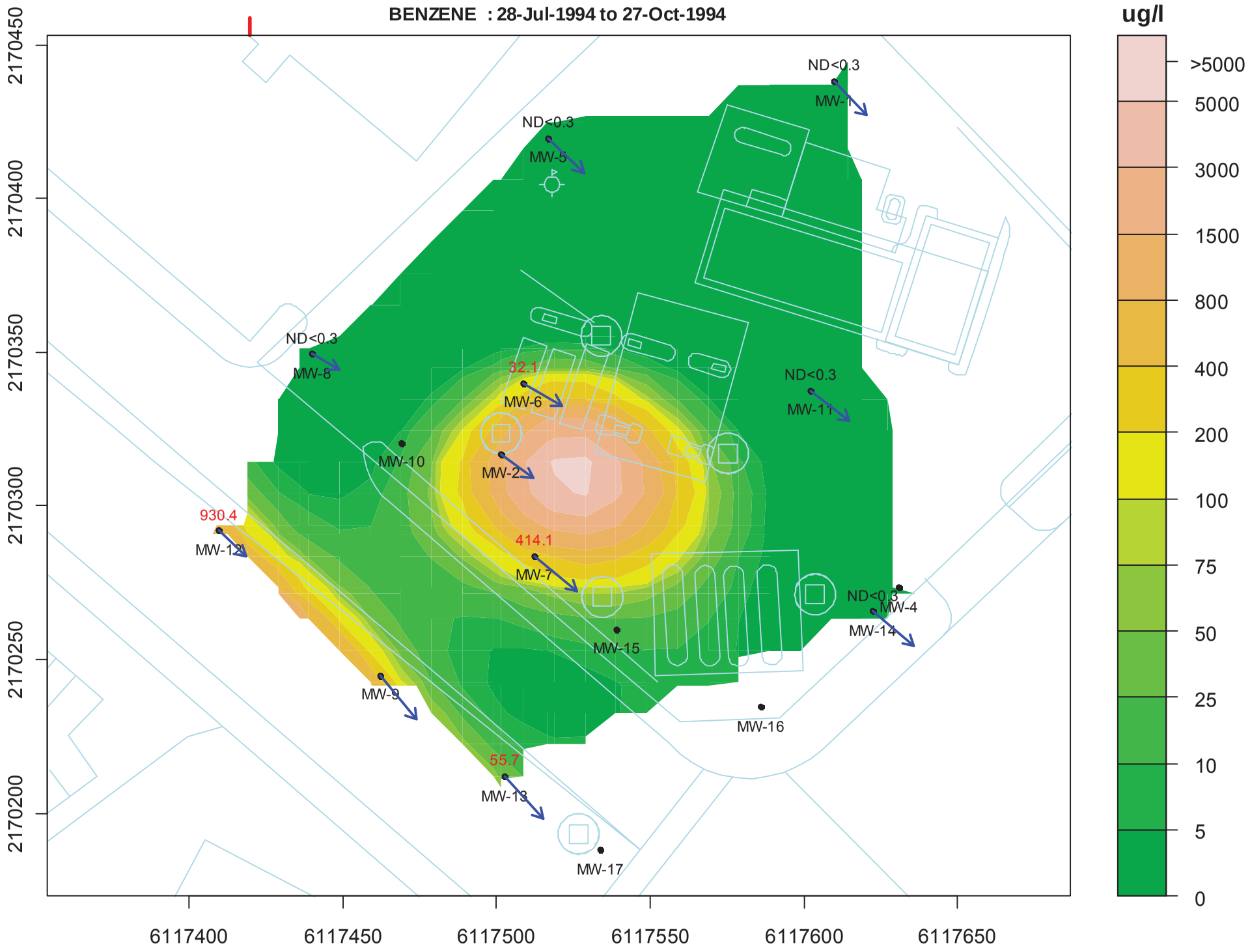
BENZENE : 28-Jul-1994 to 27-Oct-1994
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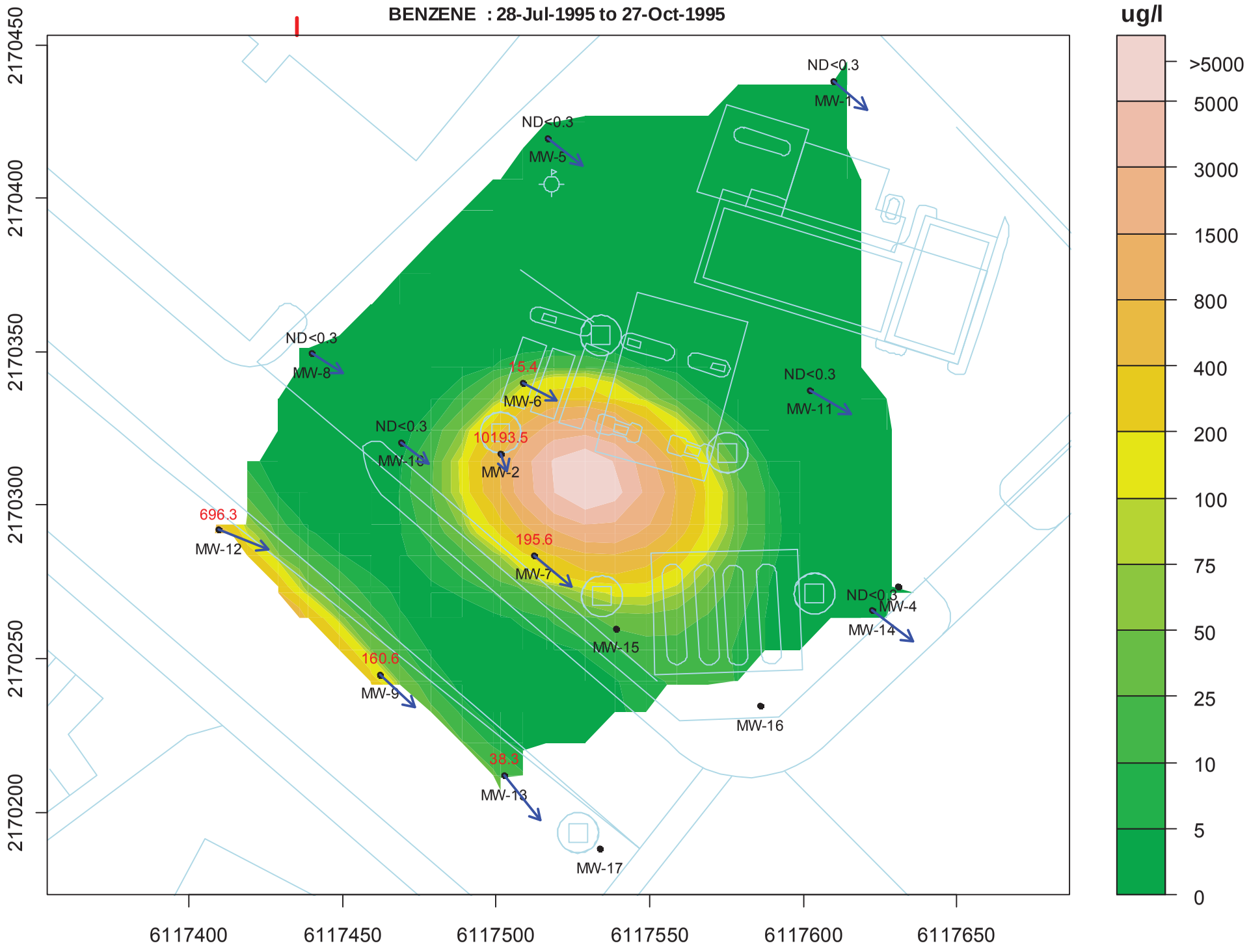
BENZENE : 28-Jul-1995 to 27-Oct-1995
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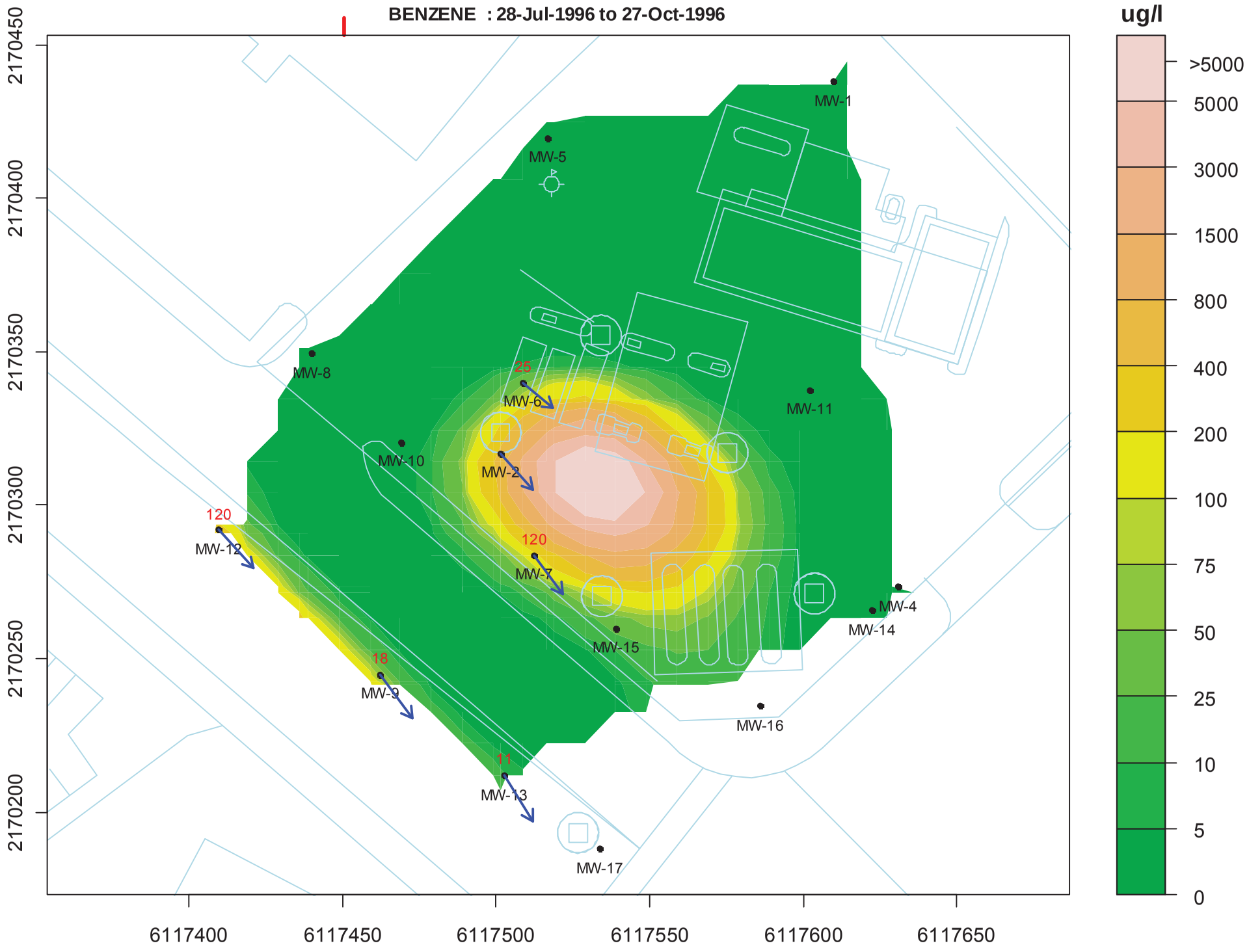
BENZENE : 28-Jul-1996 to 27-Oct-1996
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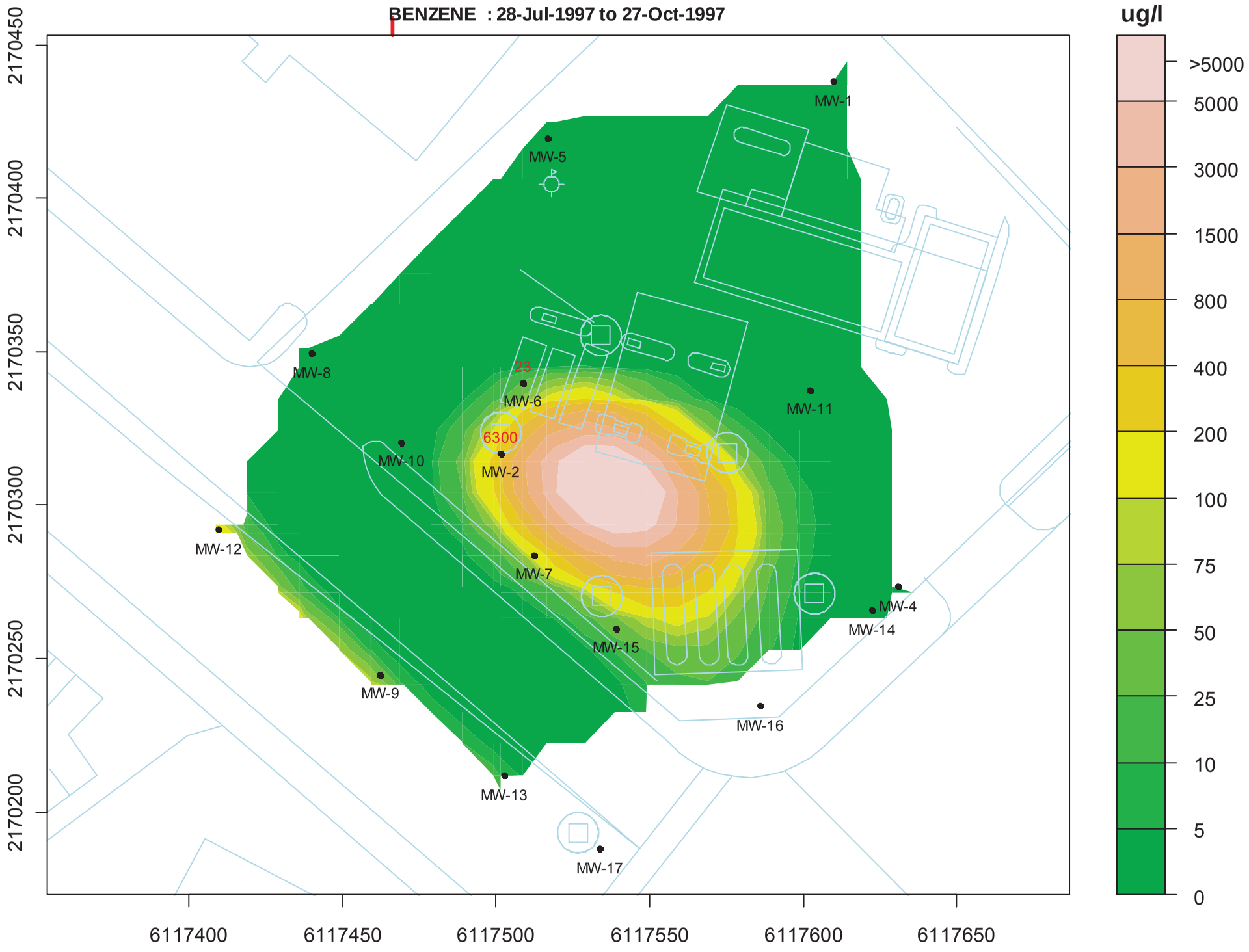
BENZENE : 28-Jul-1997 to 27-Oct-1997
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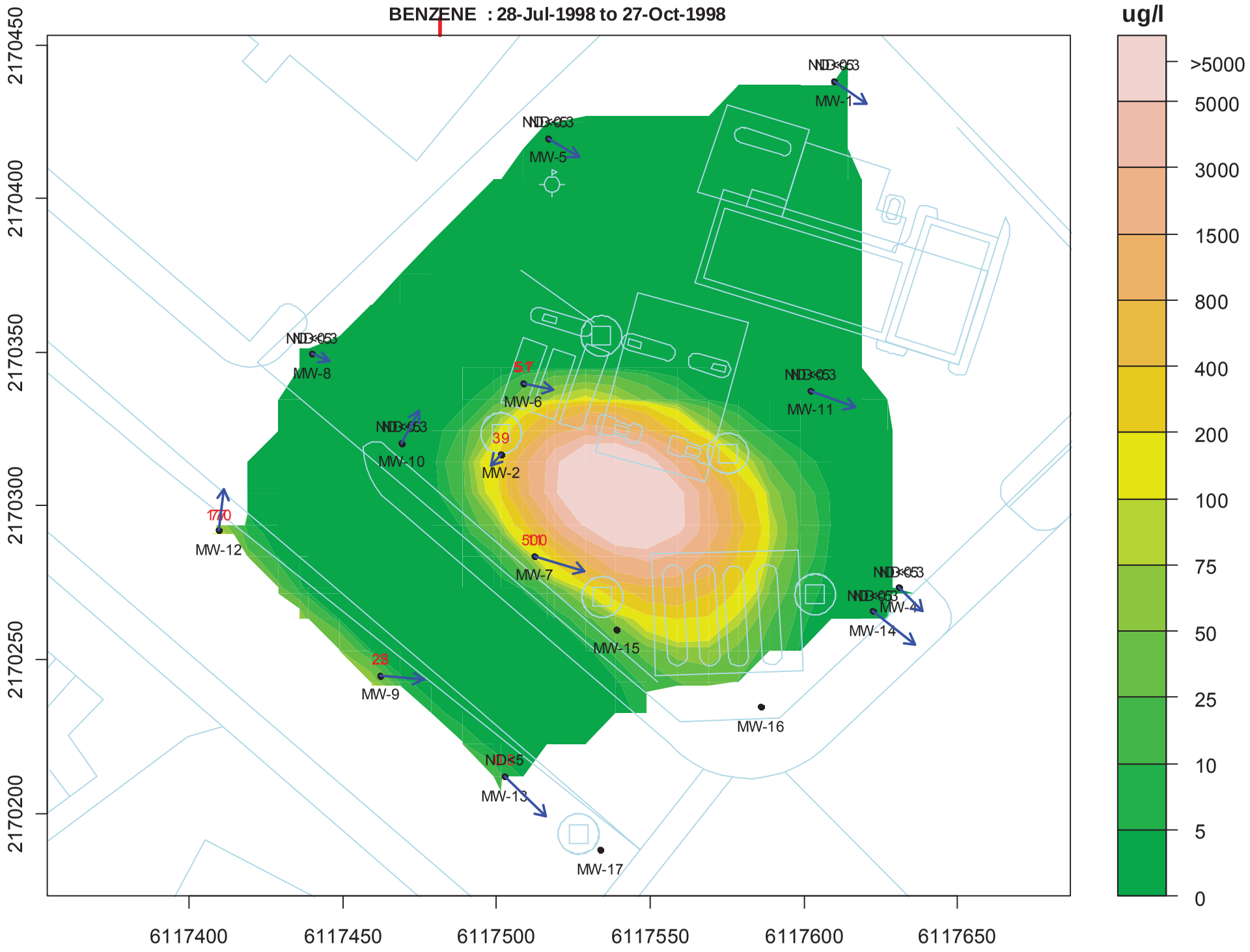
BENZENE : 28-Jul-1998 to 27-Oct-1998
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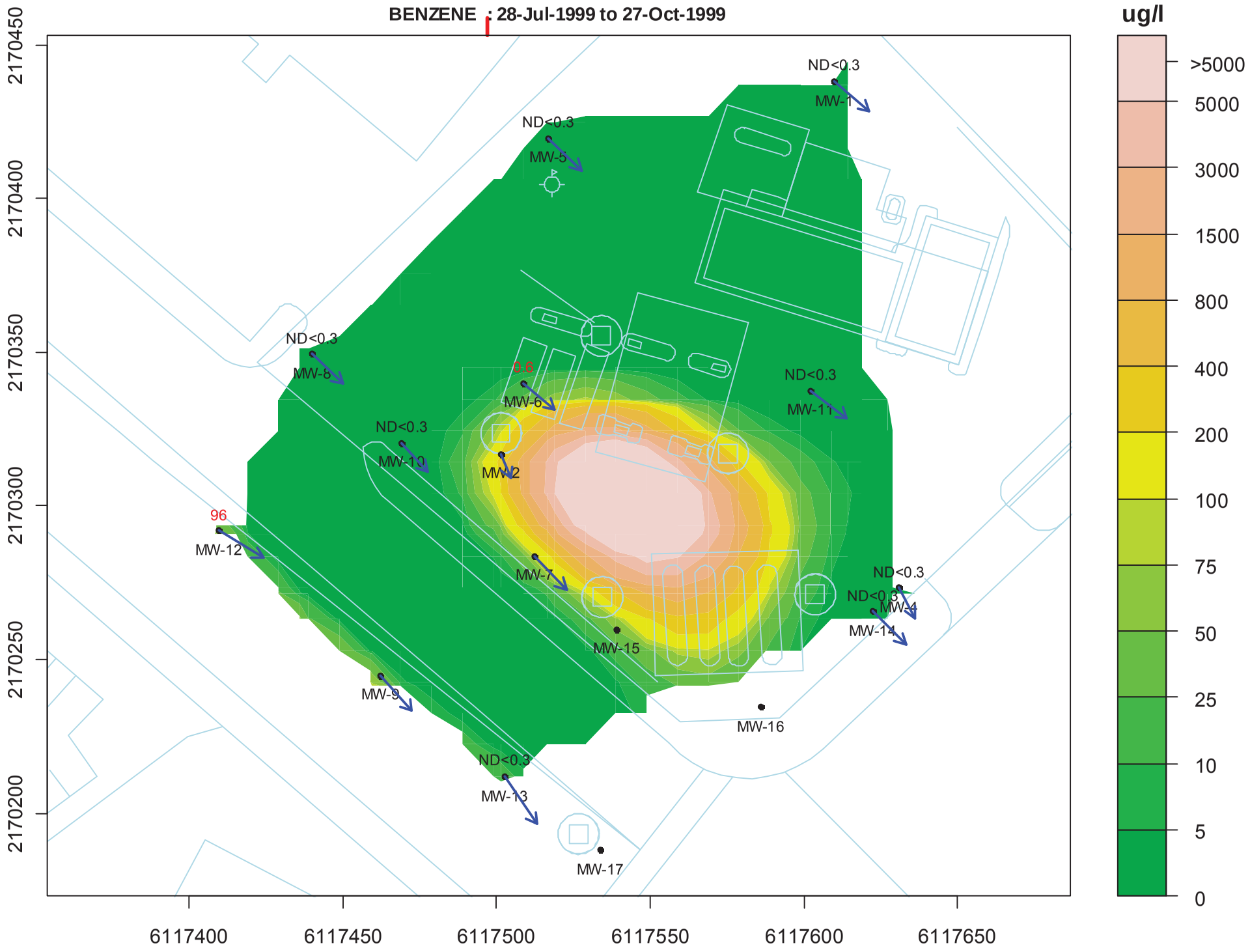
BENZENE : 28-Jul-1999 to 27-Oct-1999
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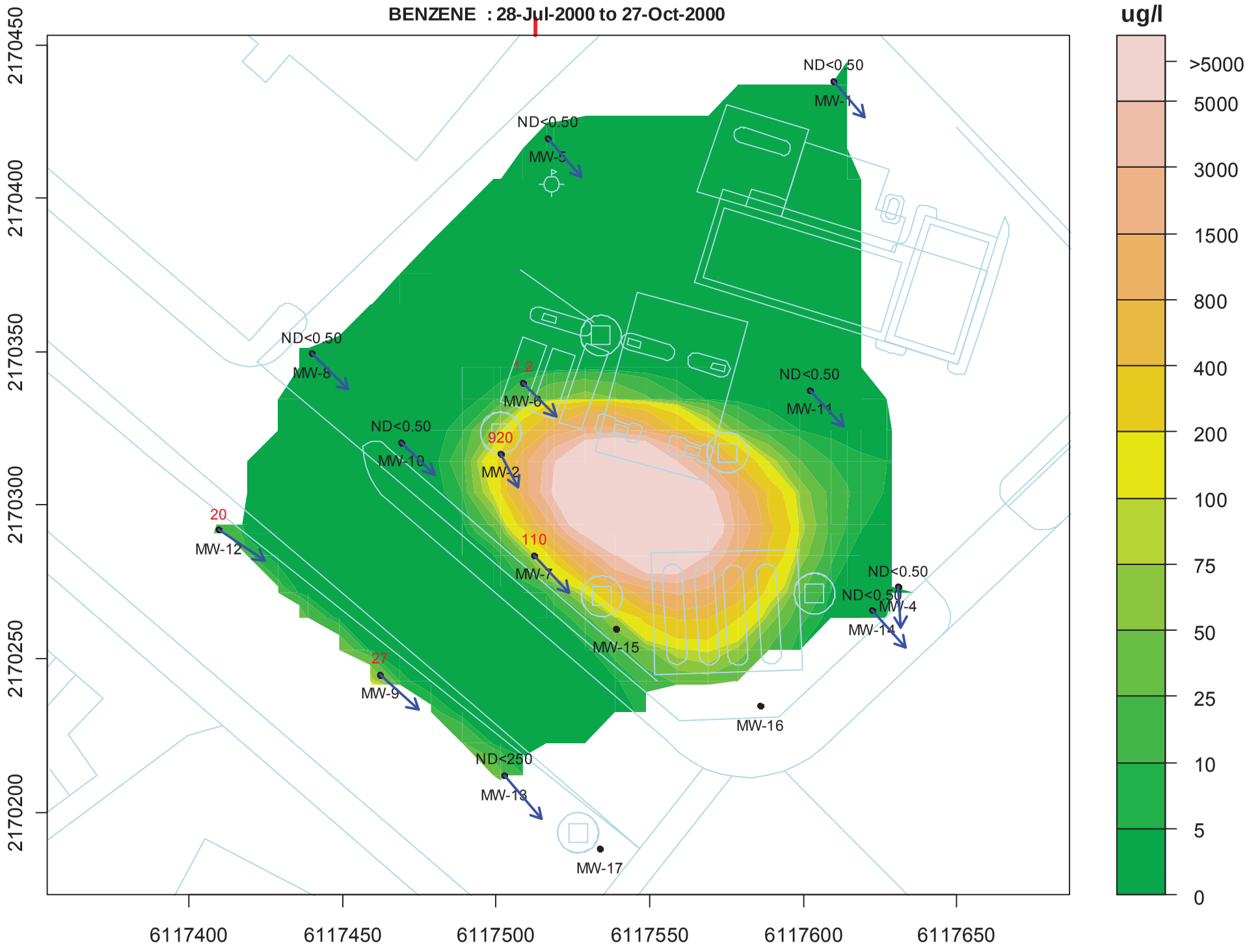
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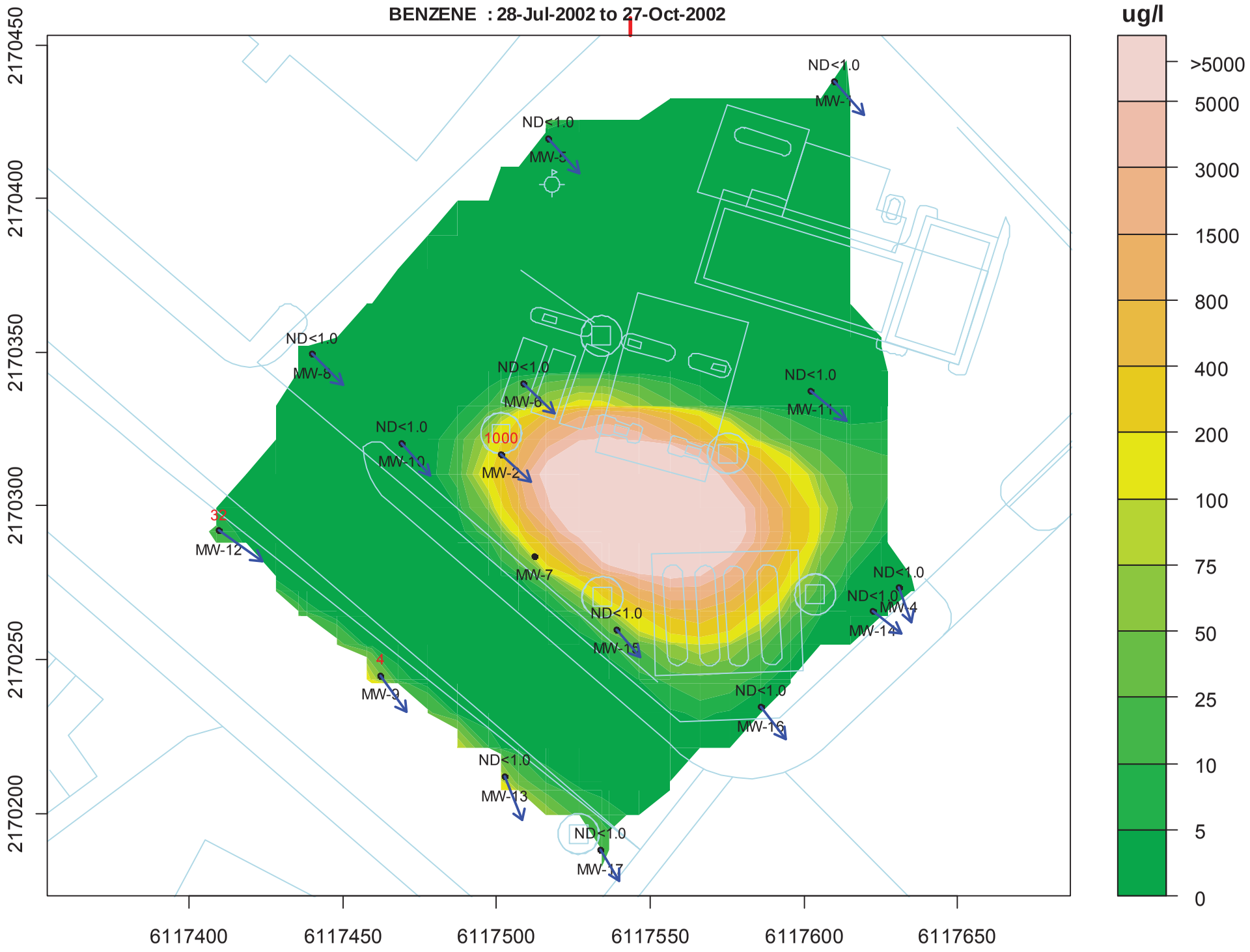
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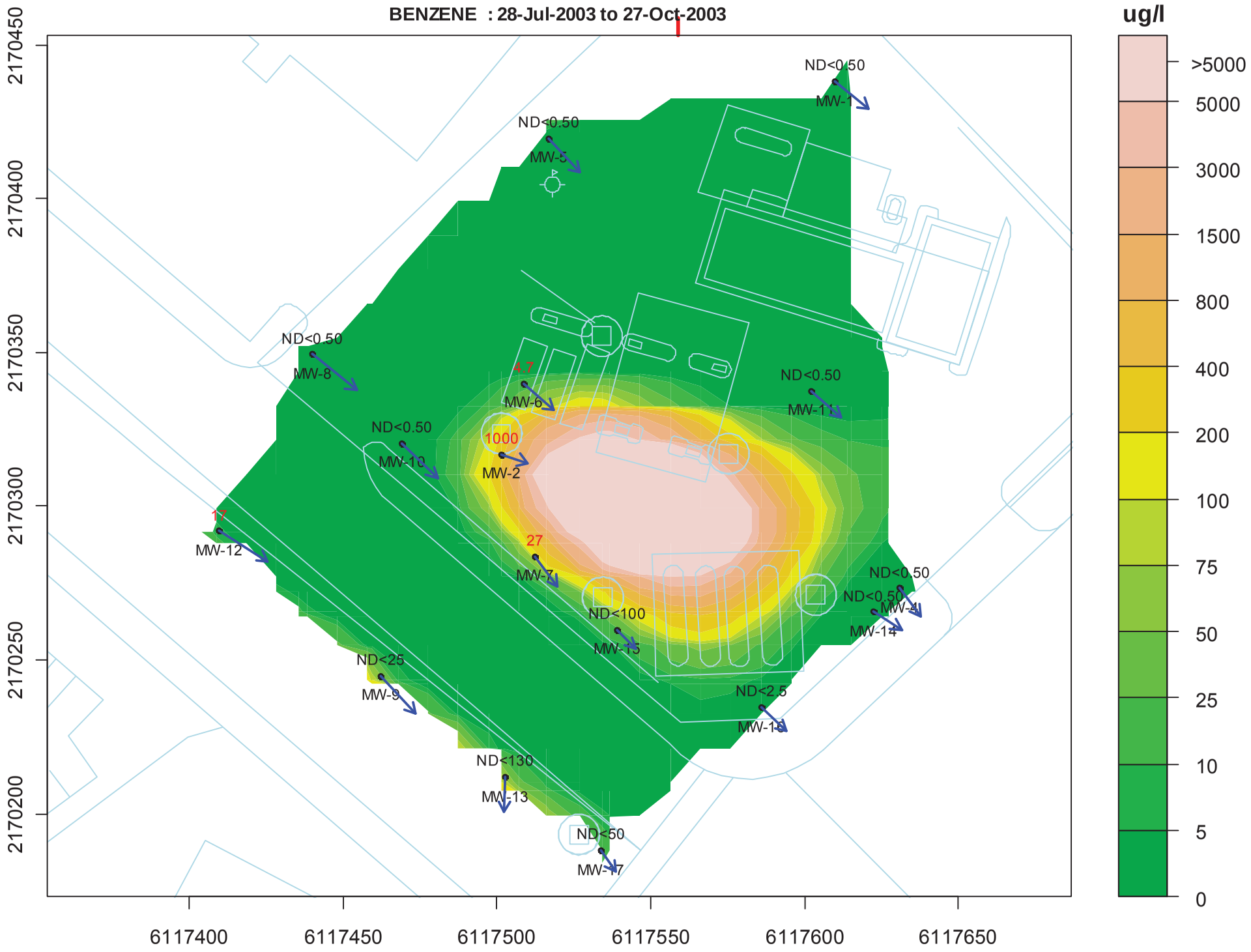
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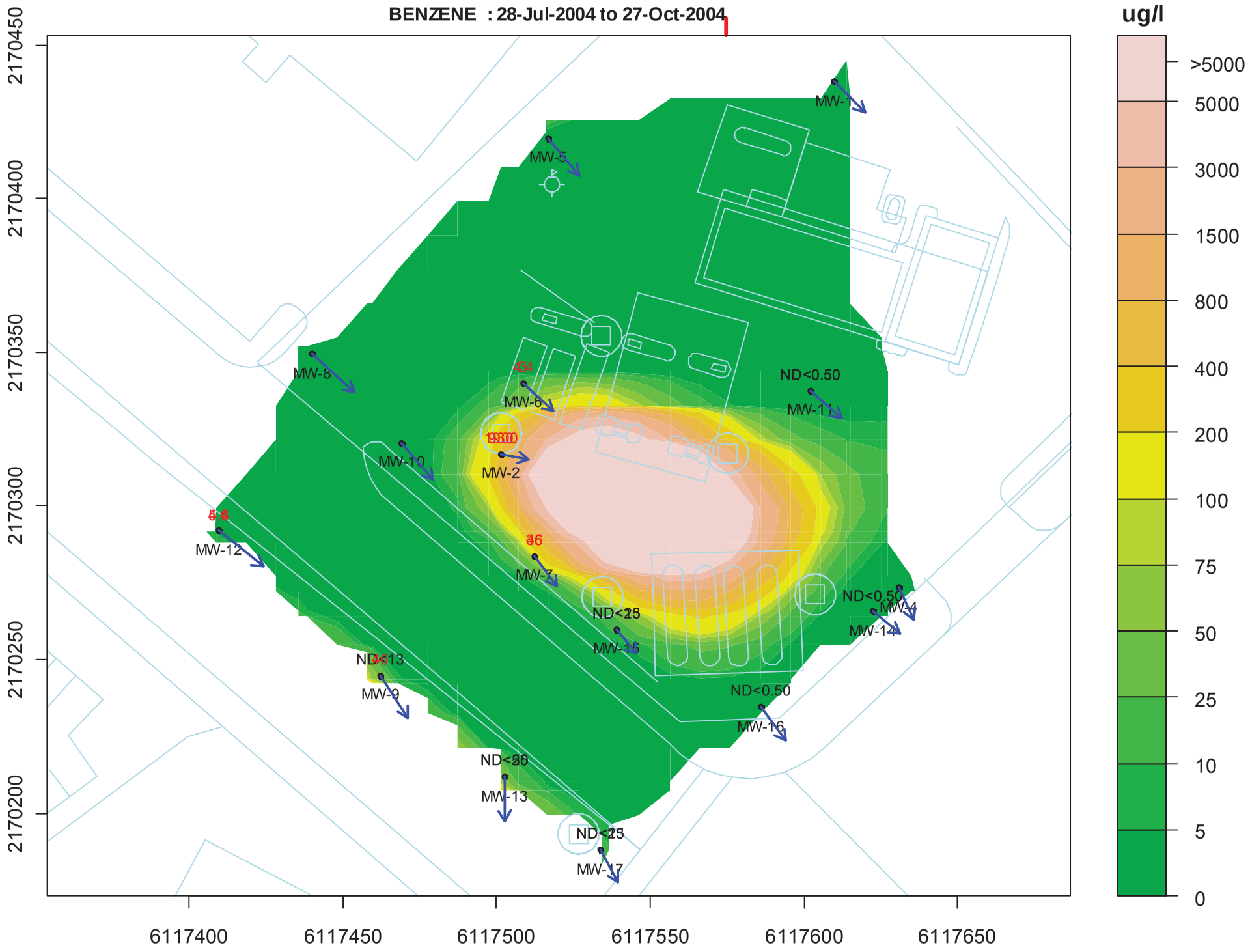
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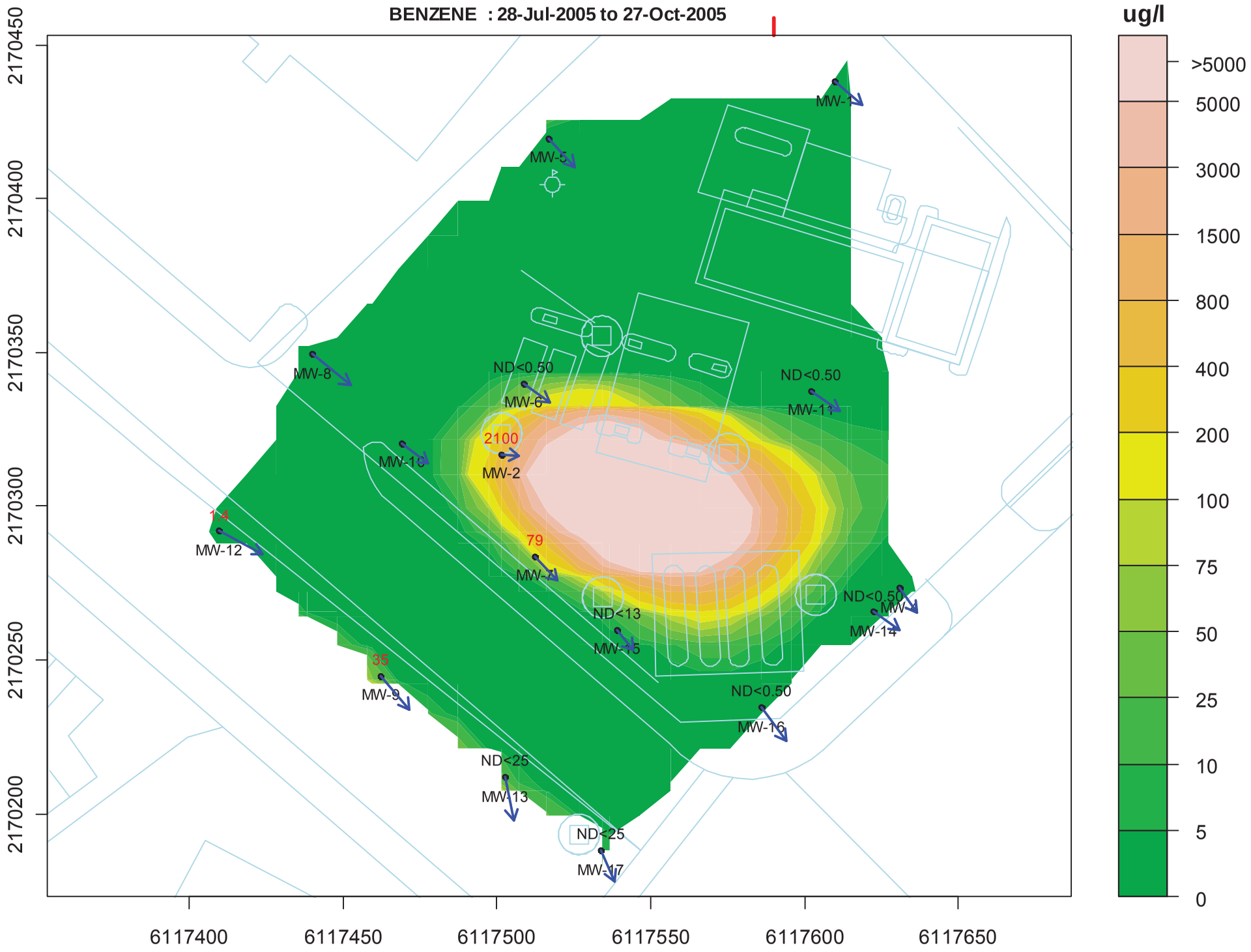
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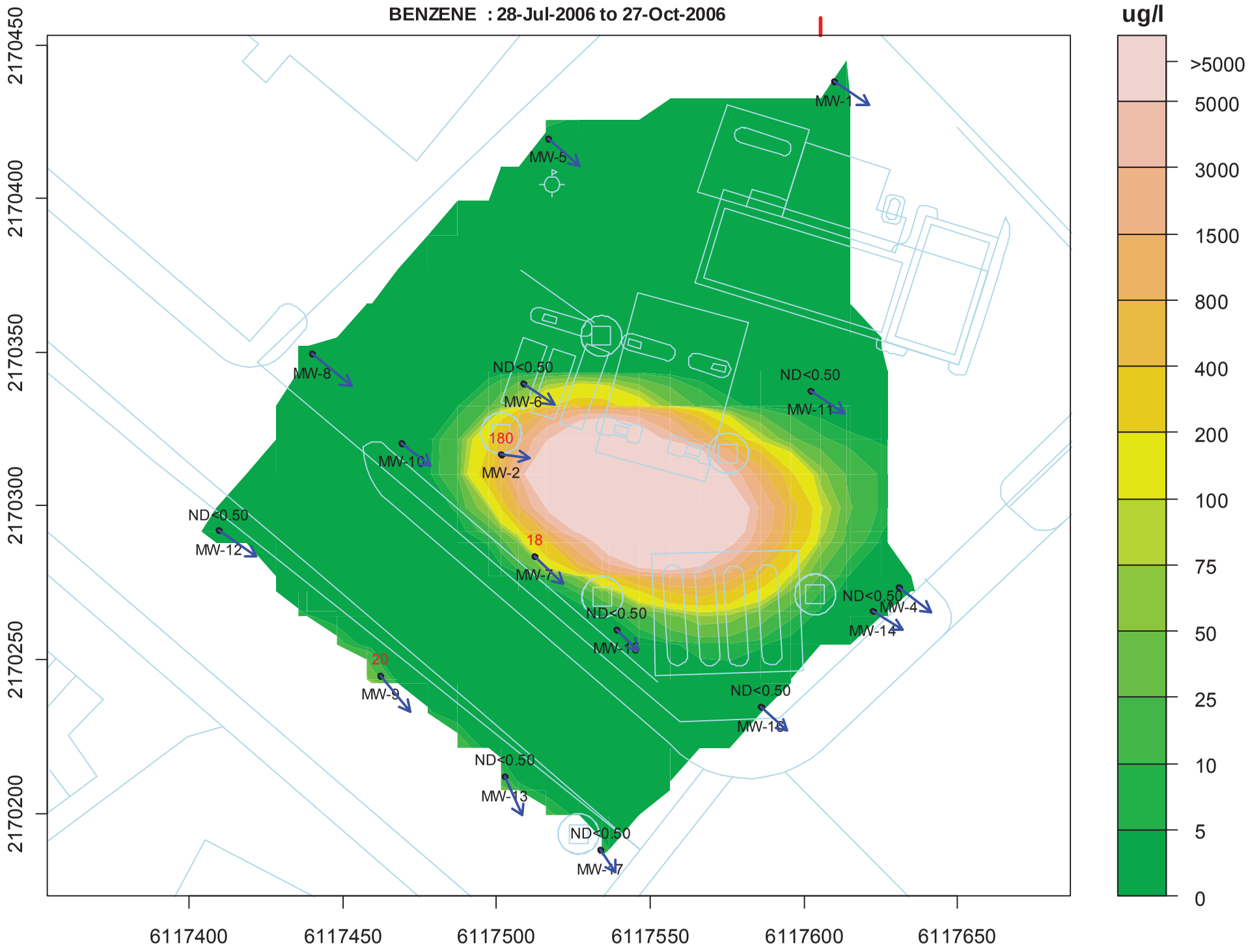
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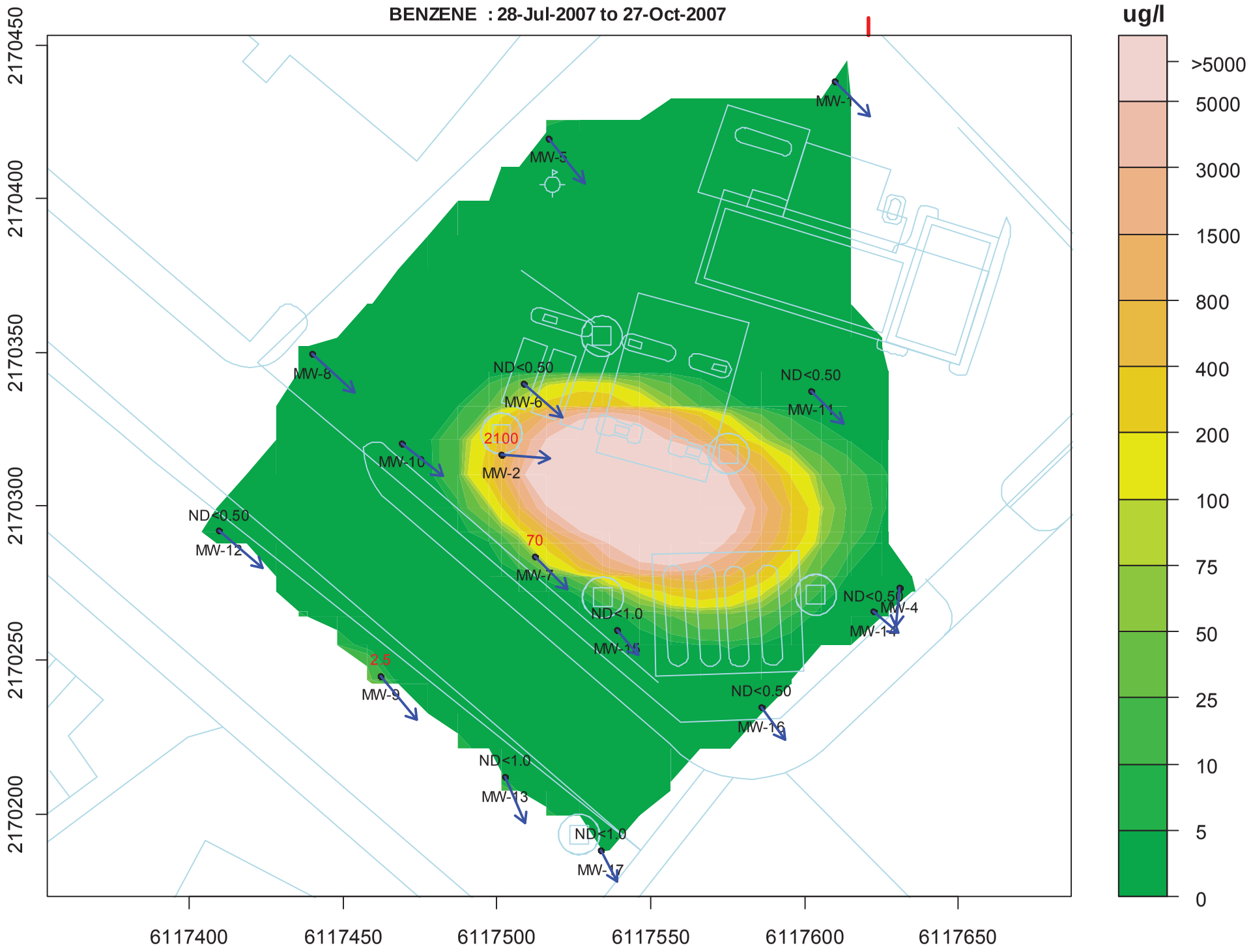
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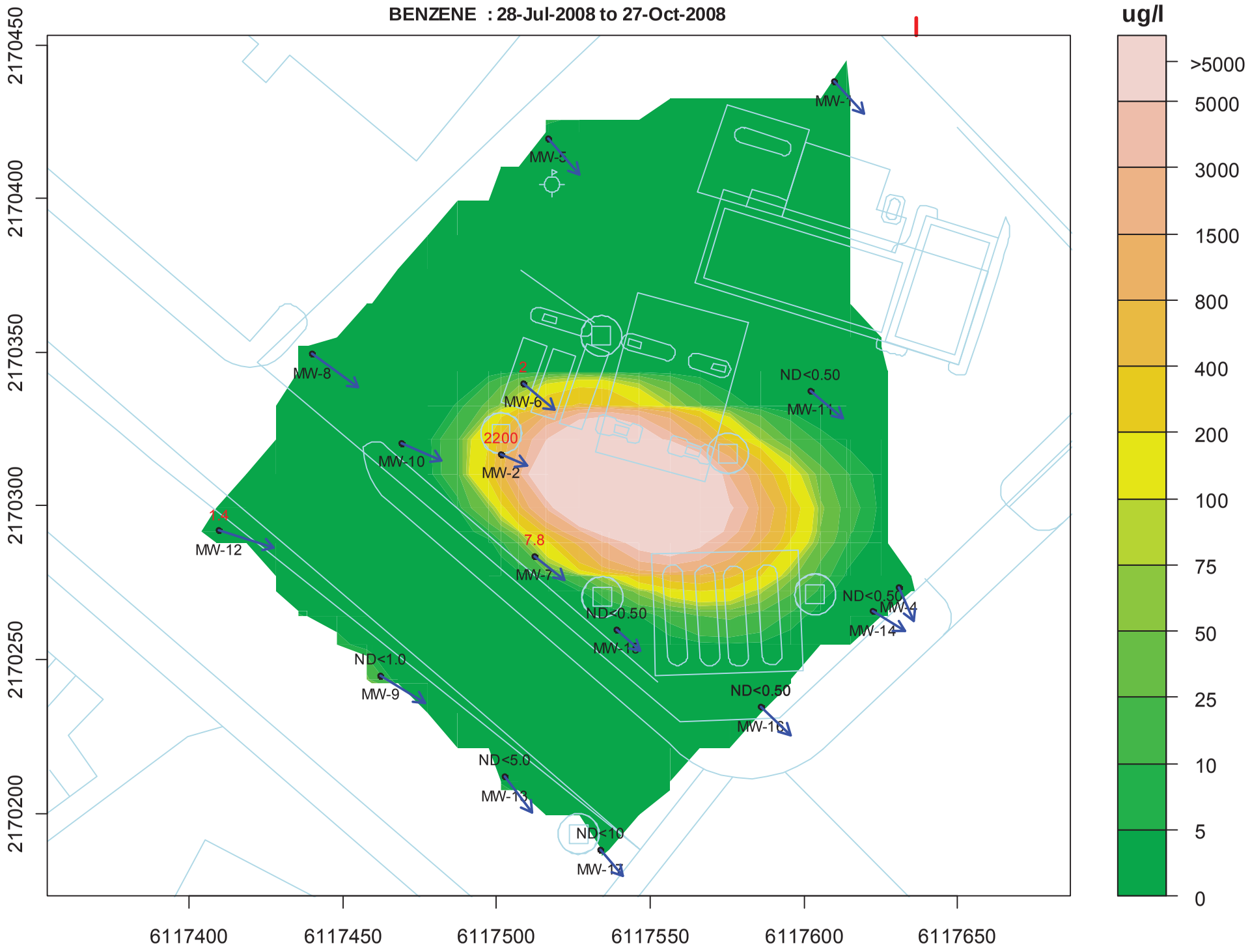
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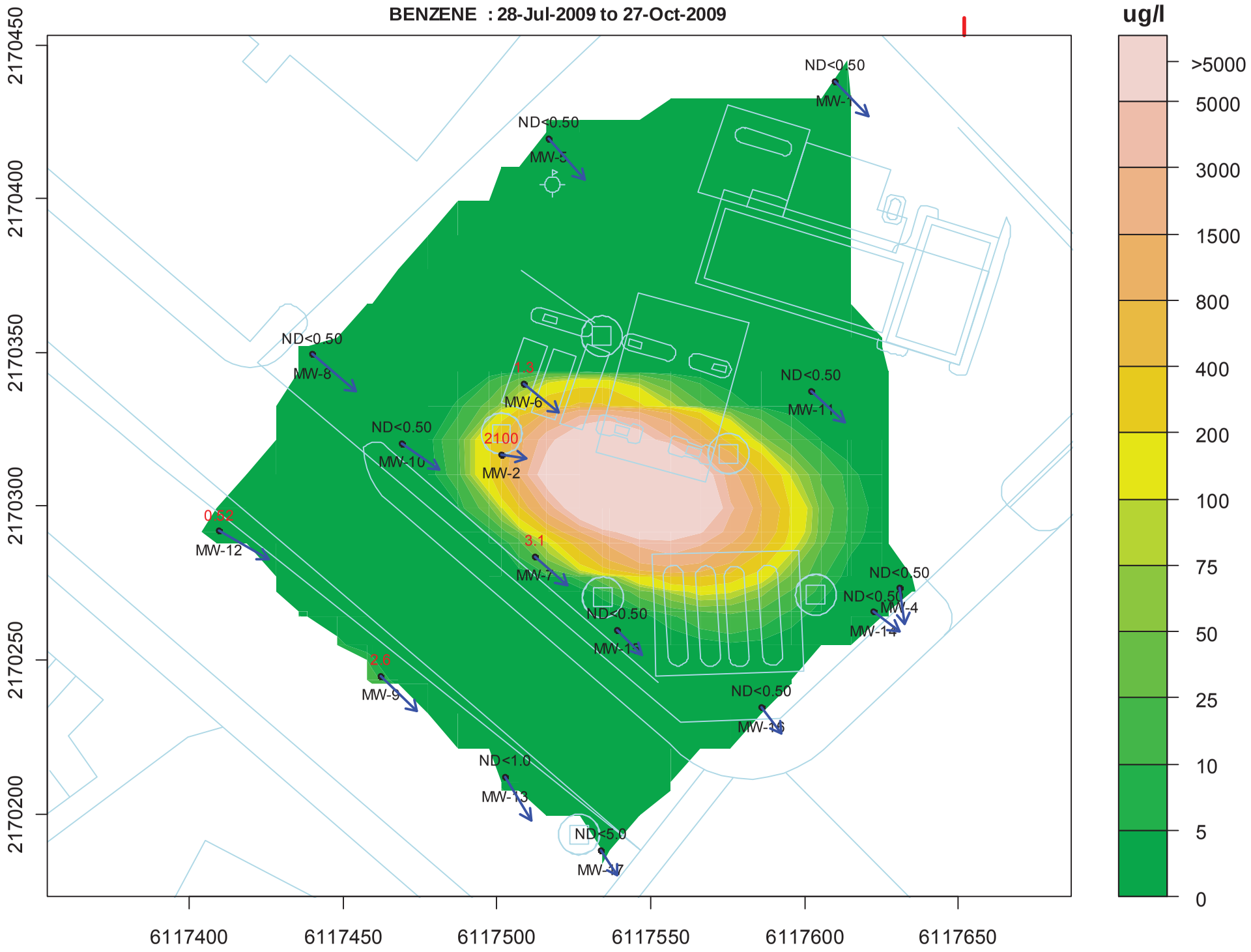
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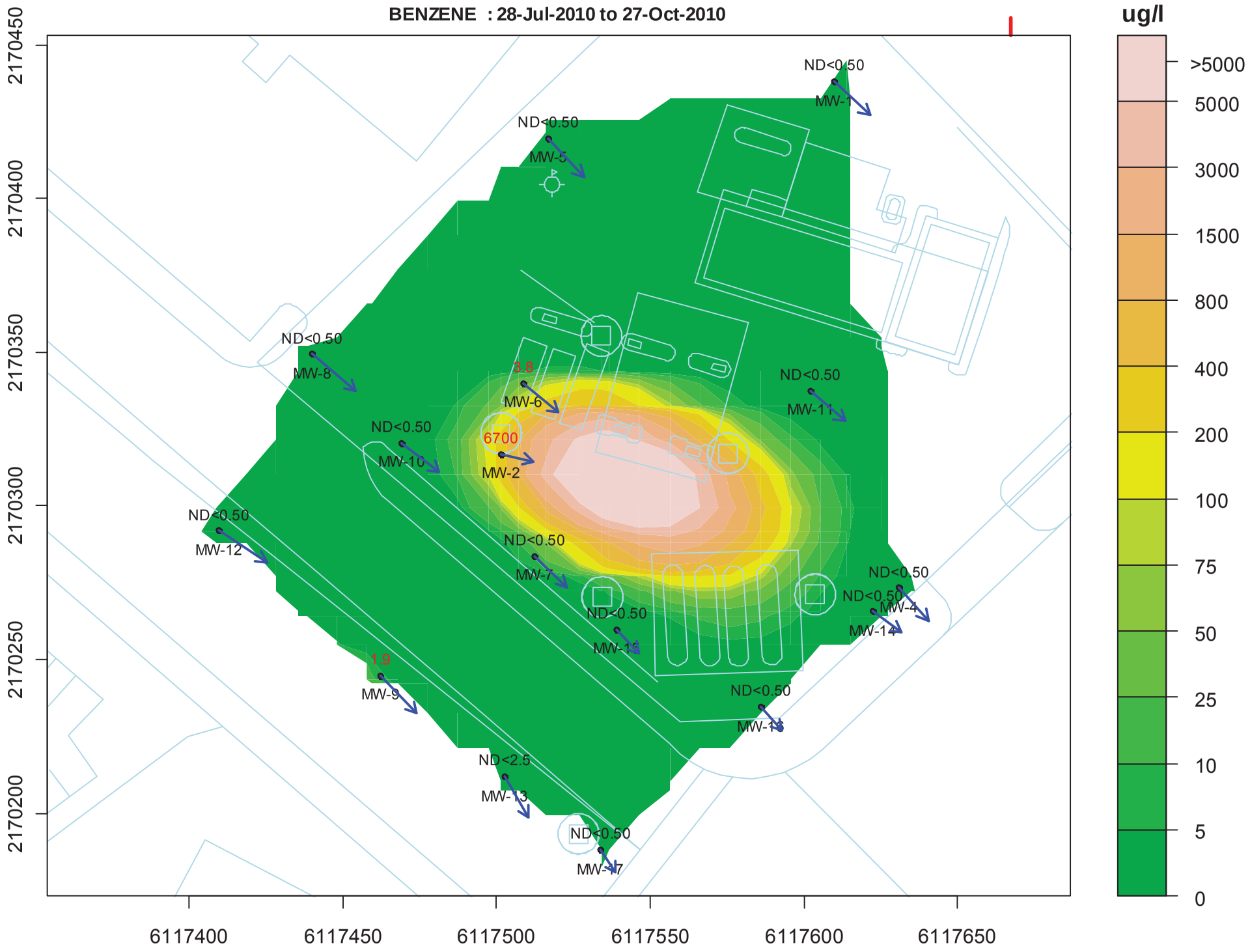
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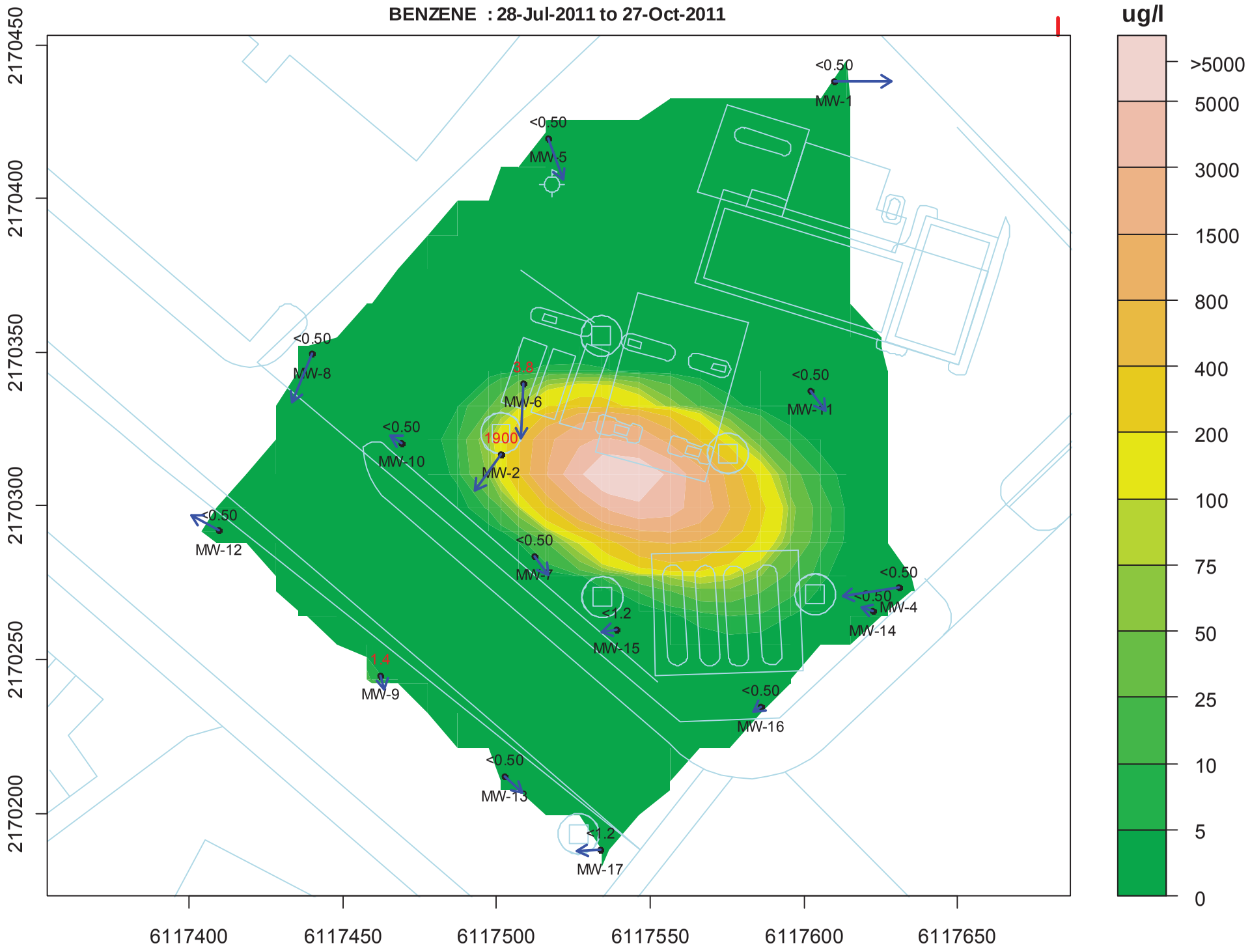
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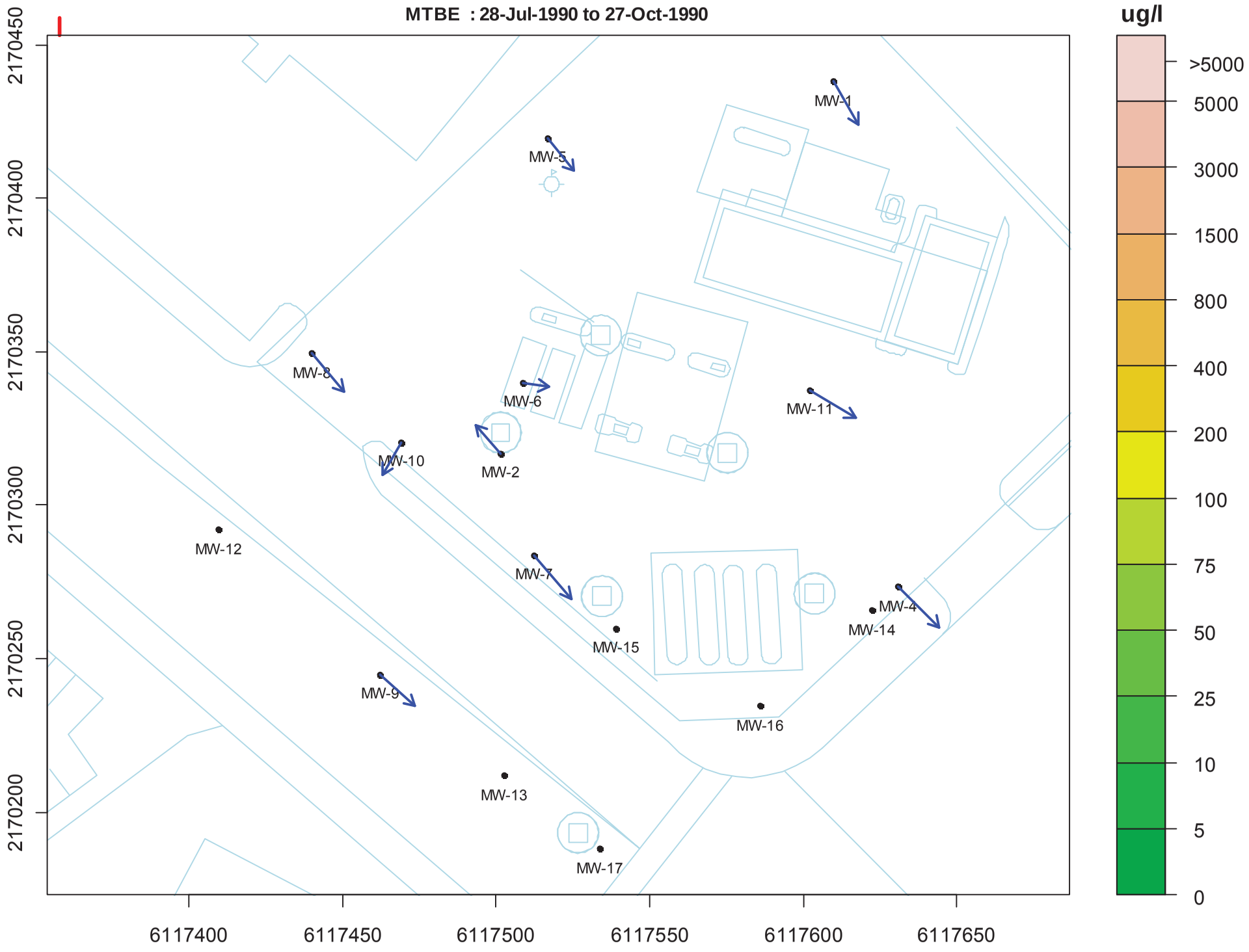
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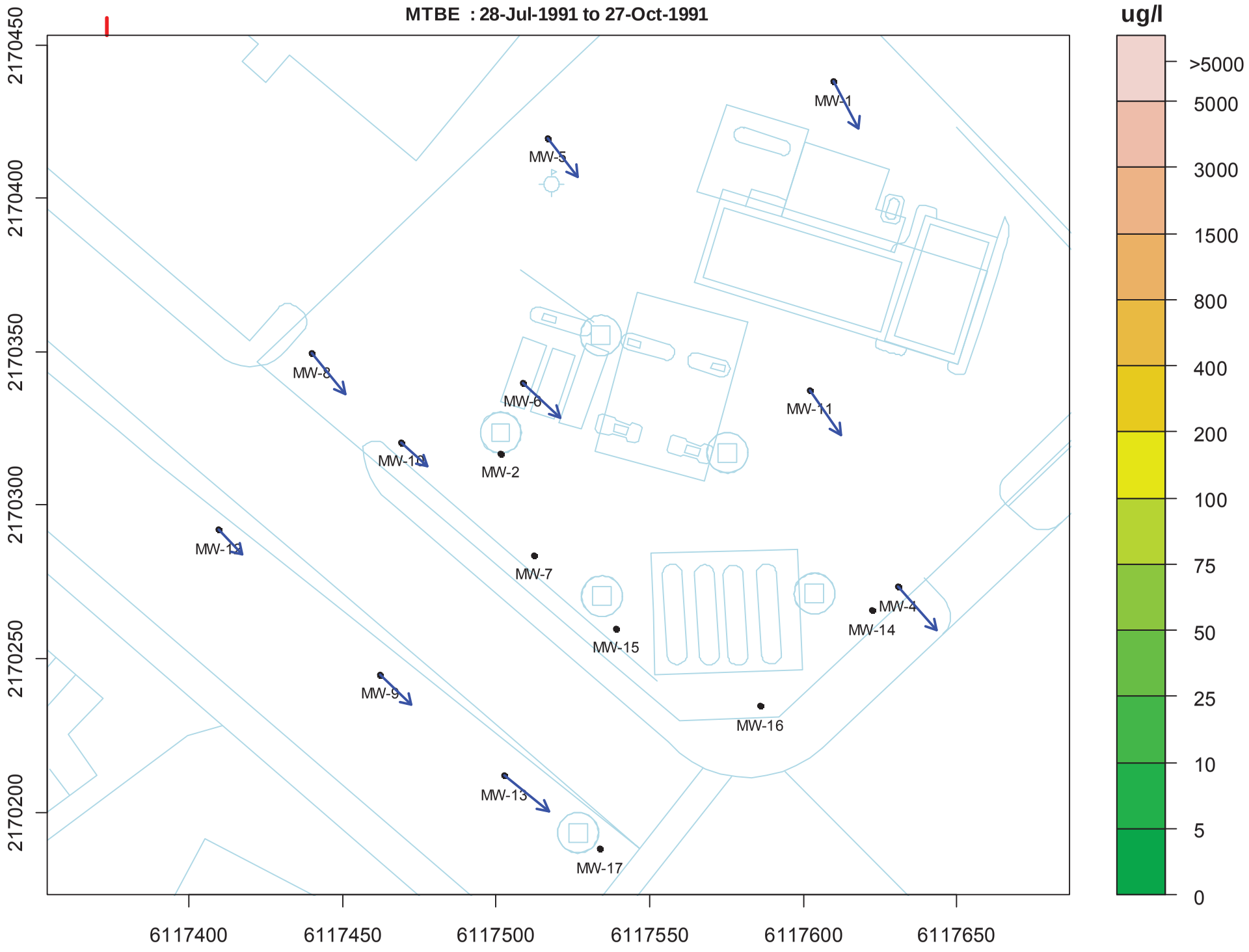
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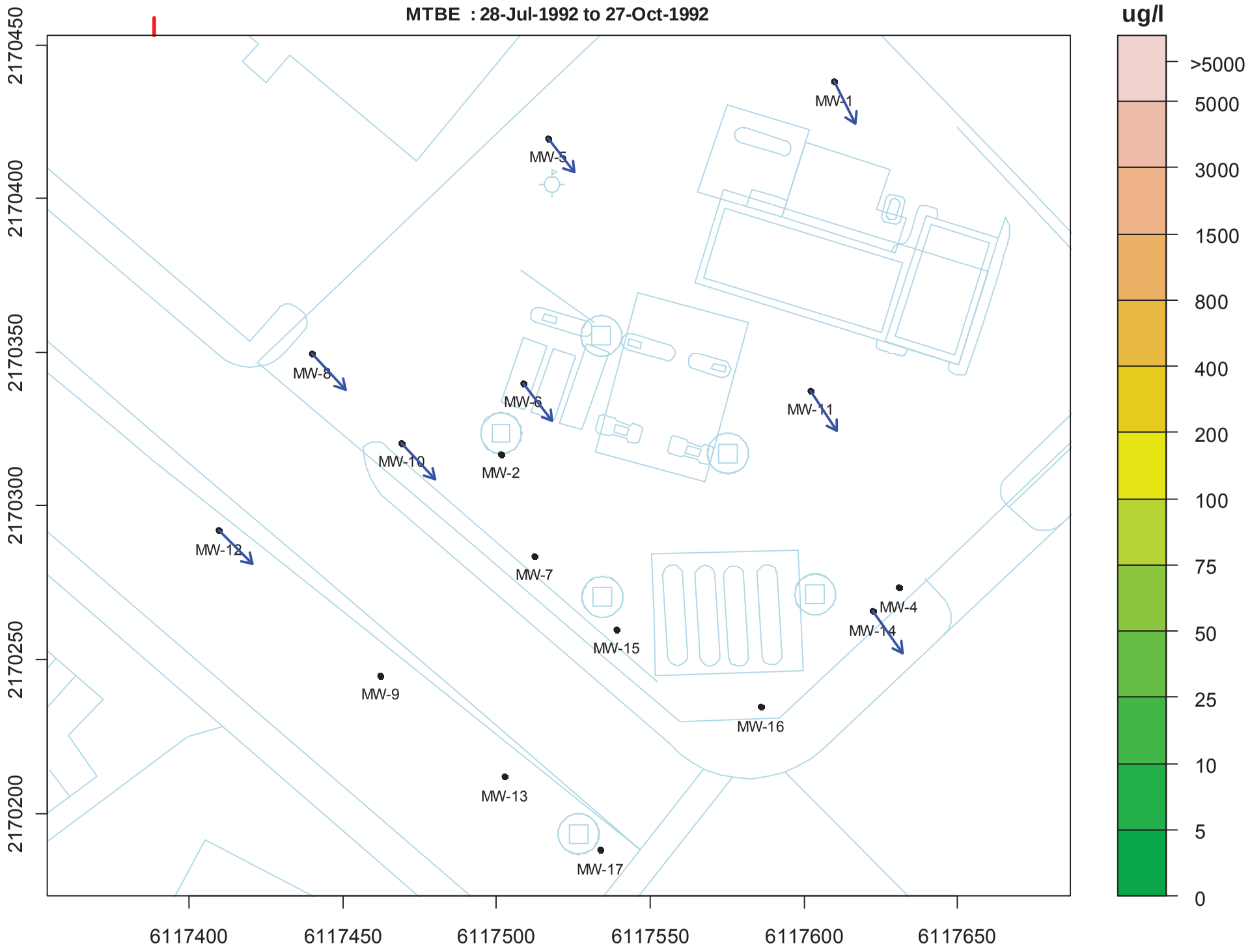
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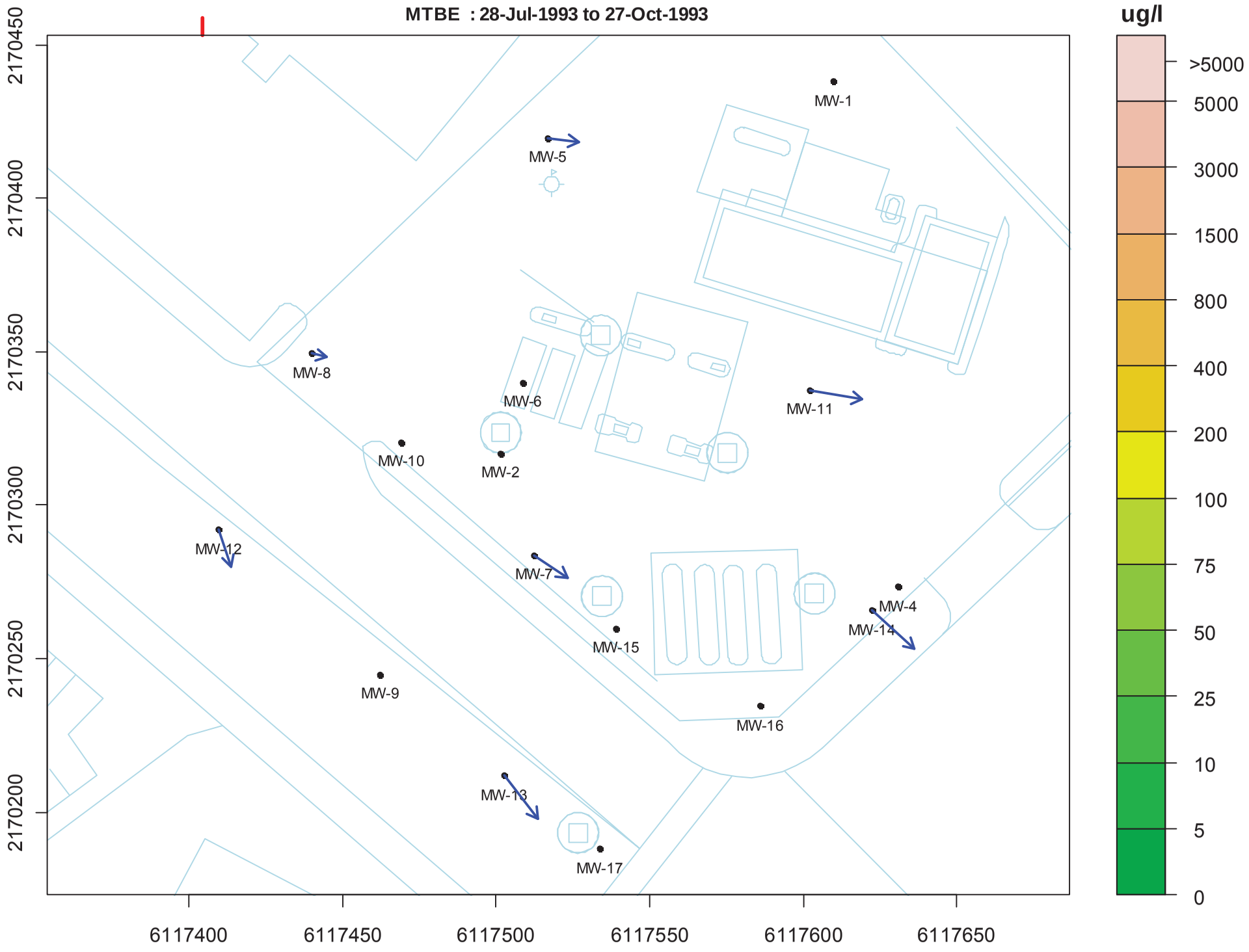
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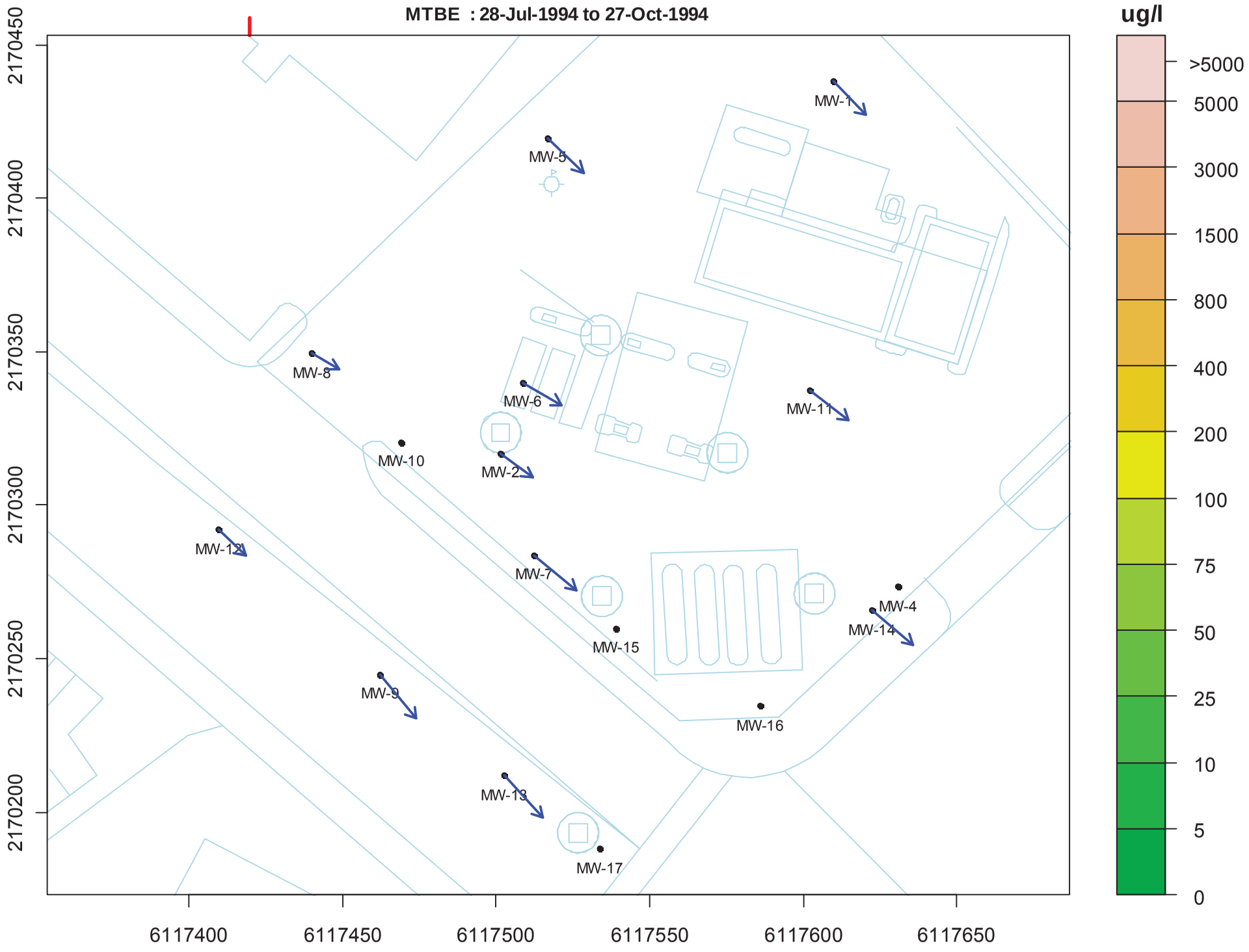
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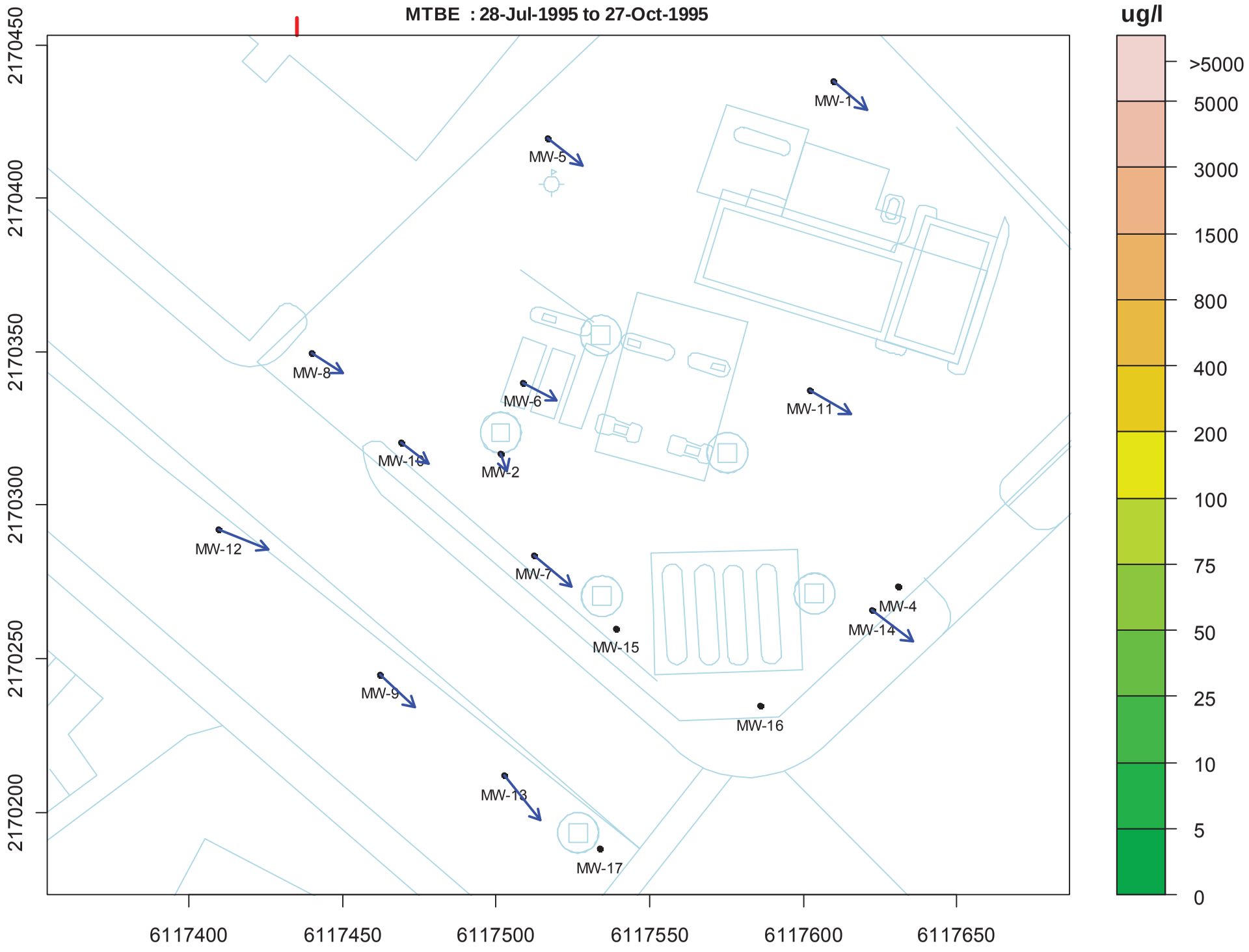
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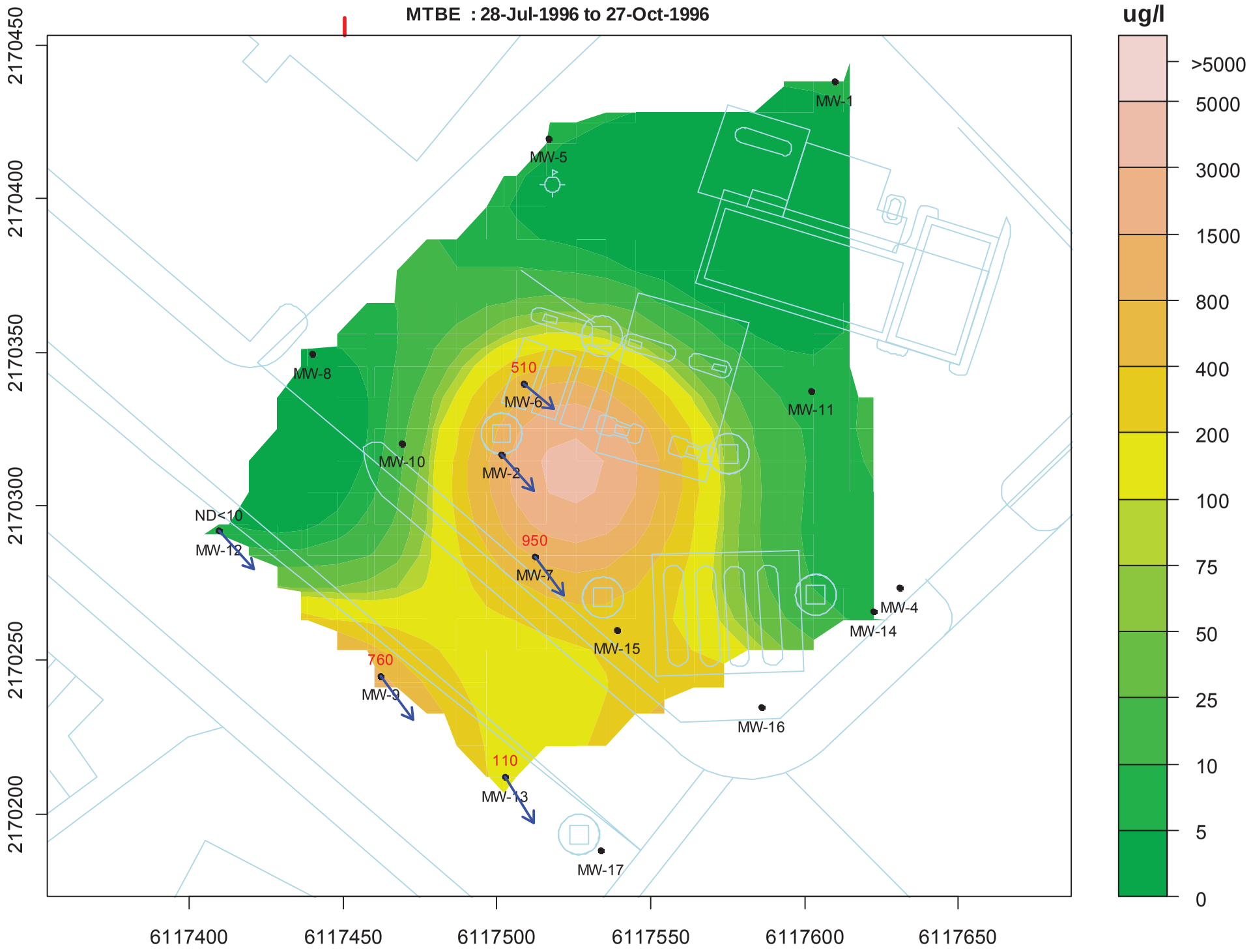
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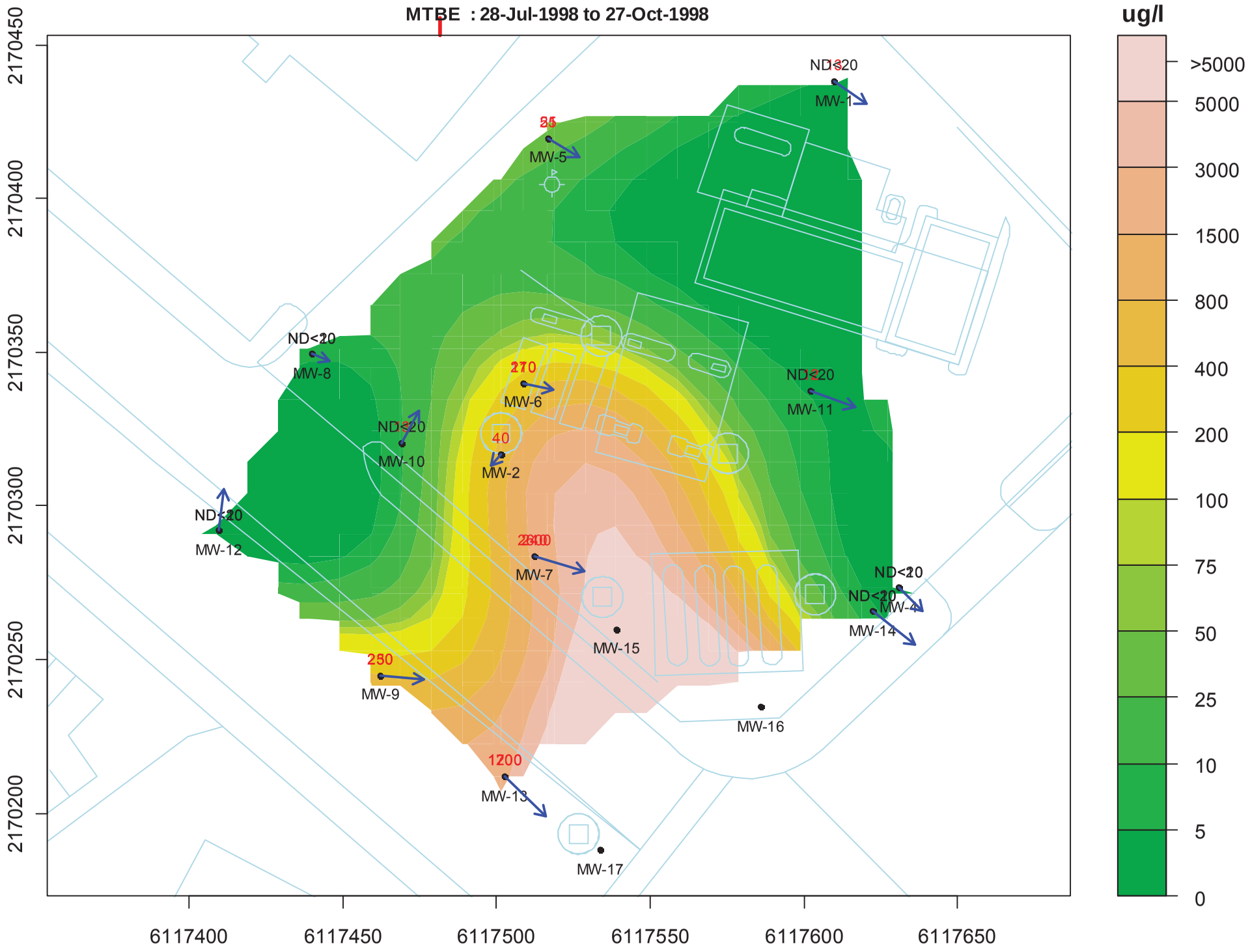
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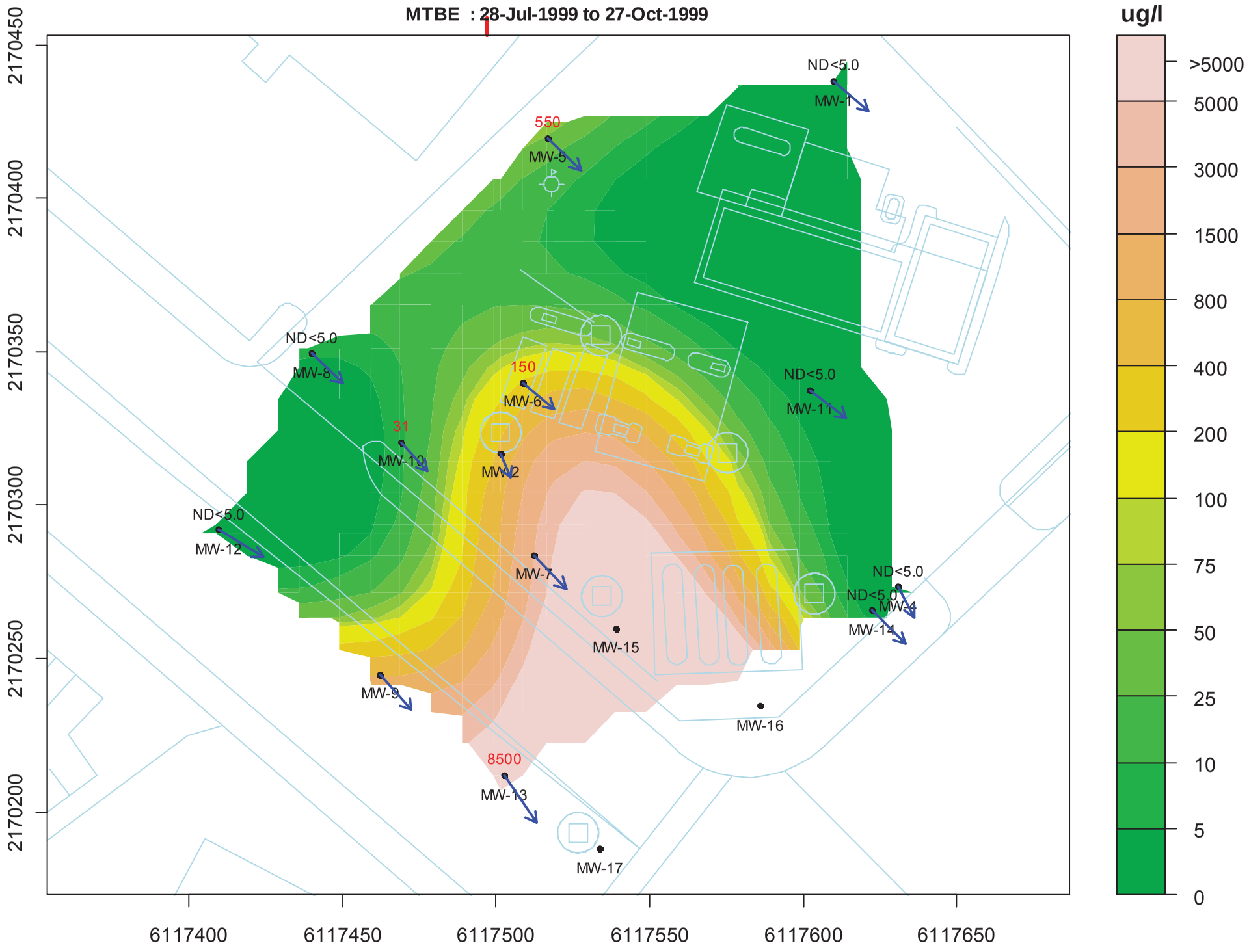
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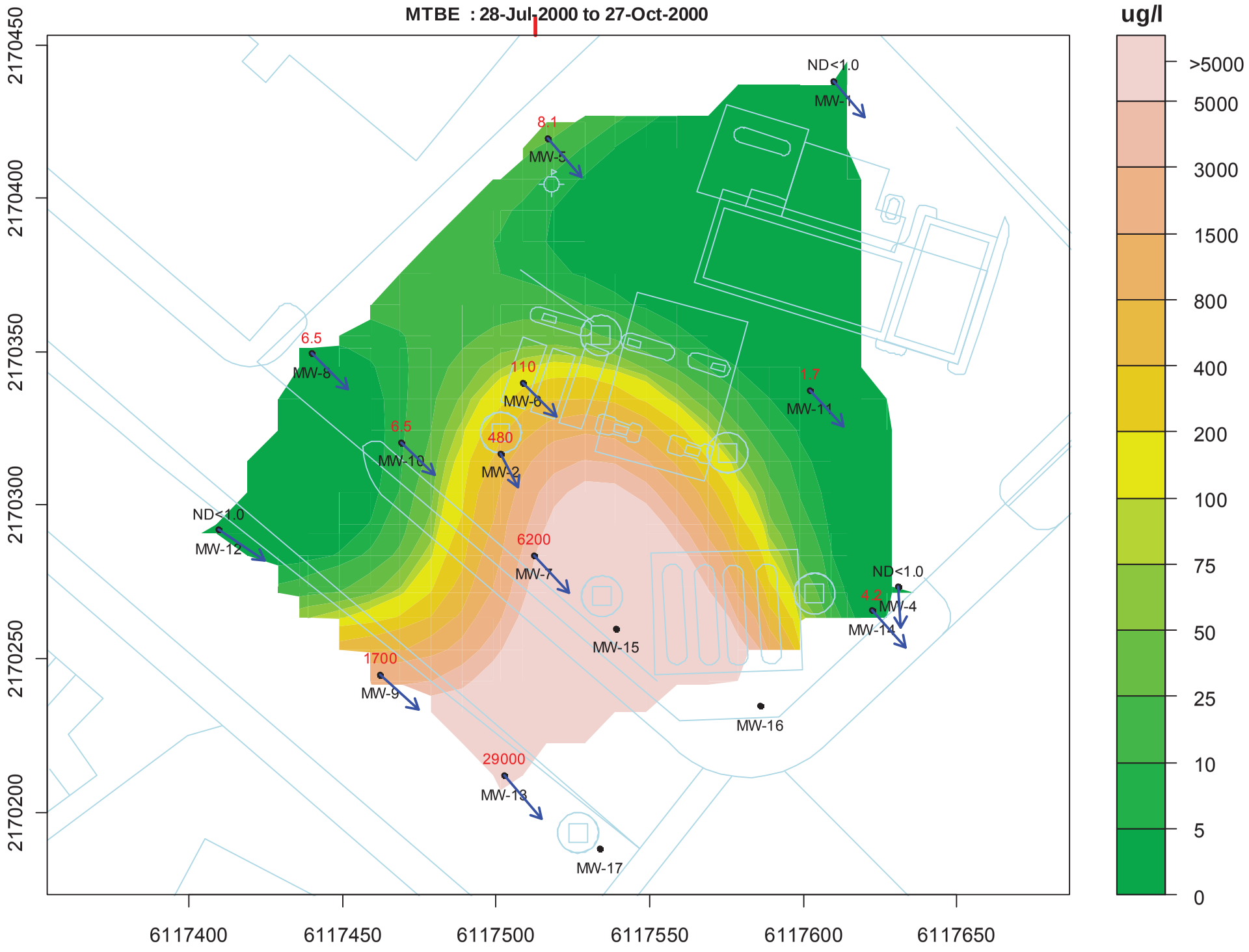
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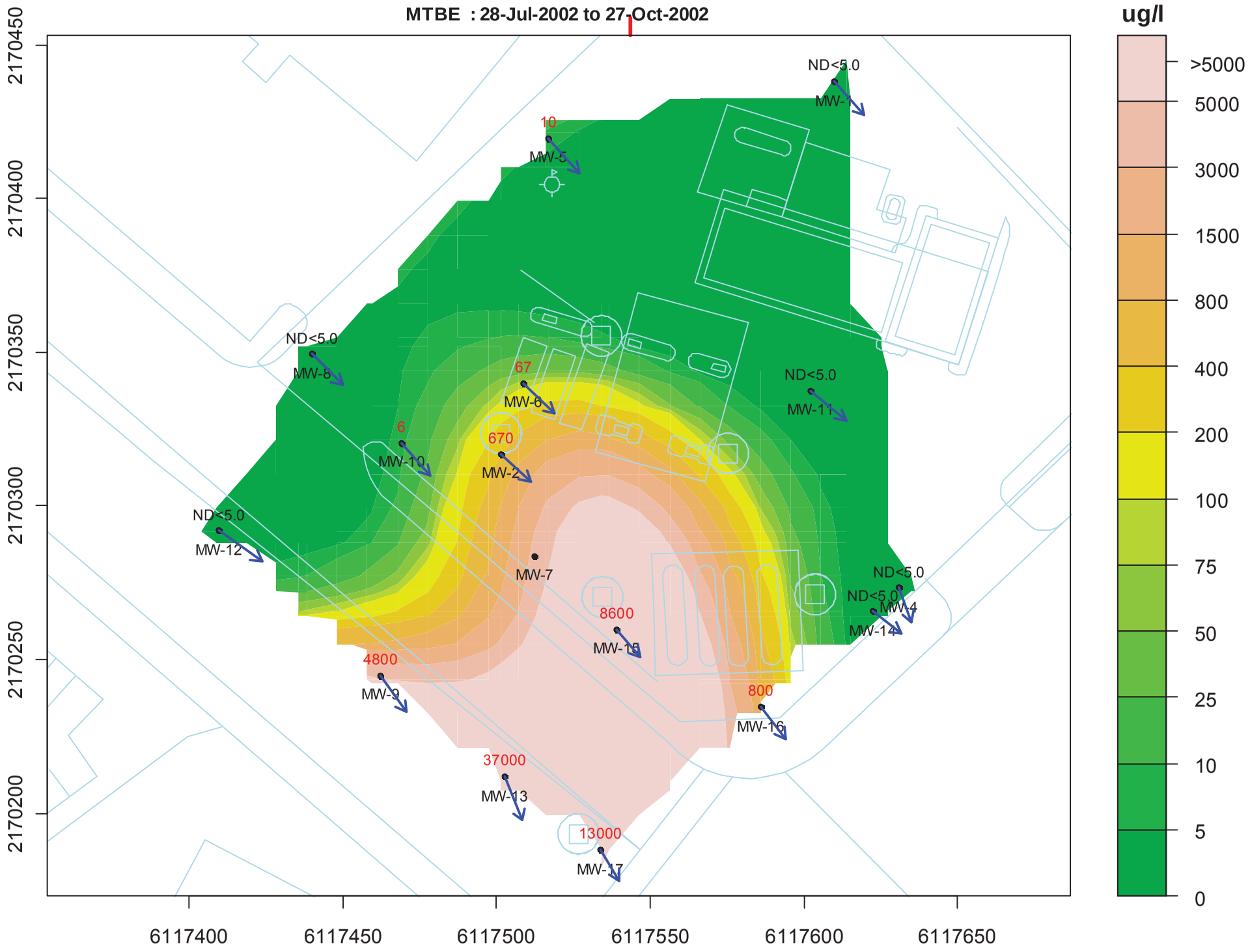
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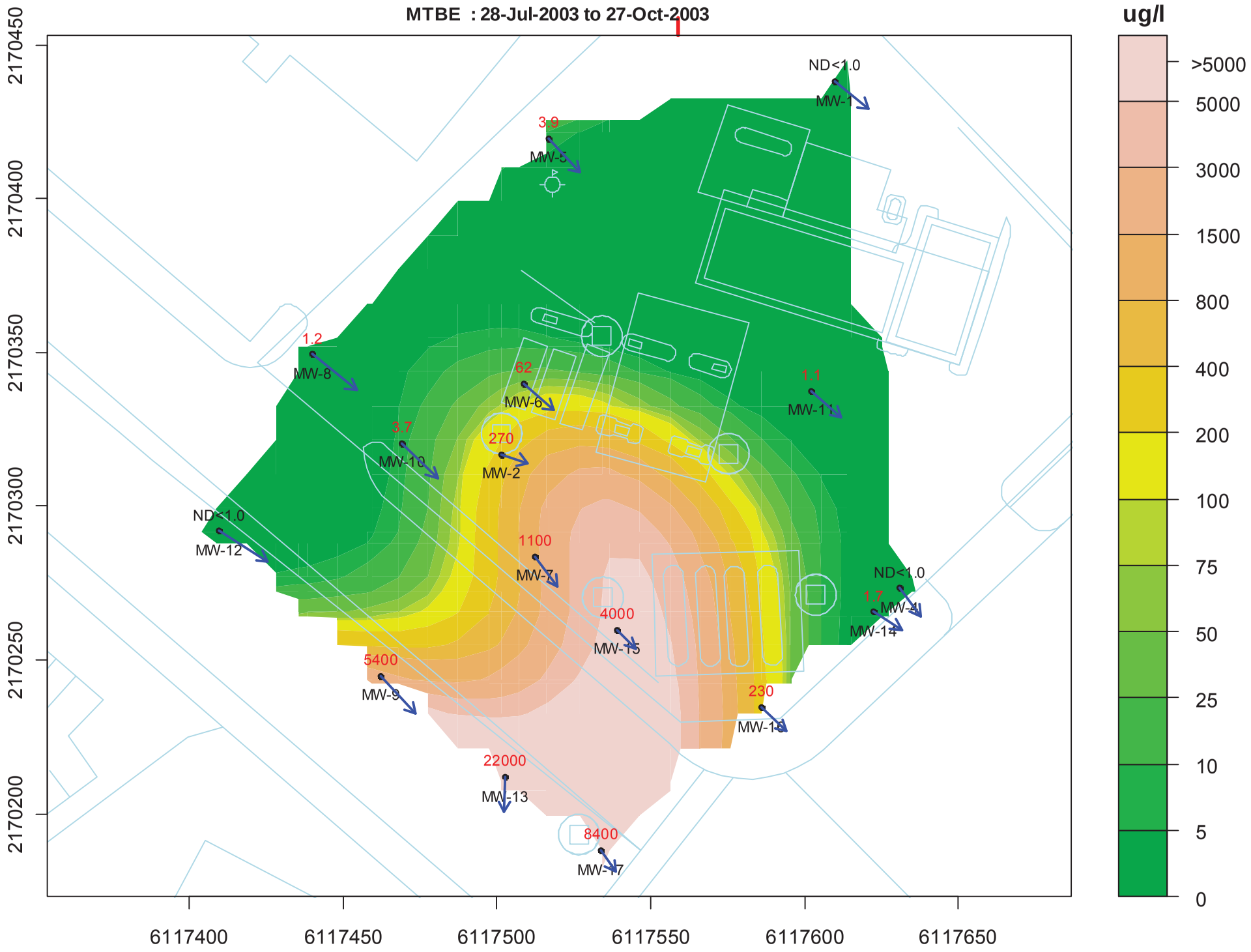
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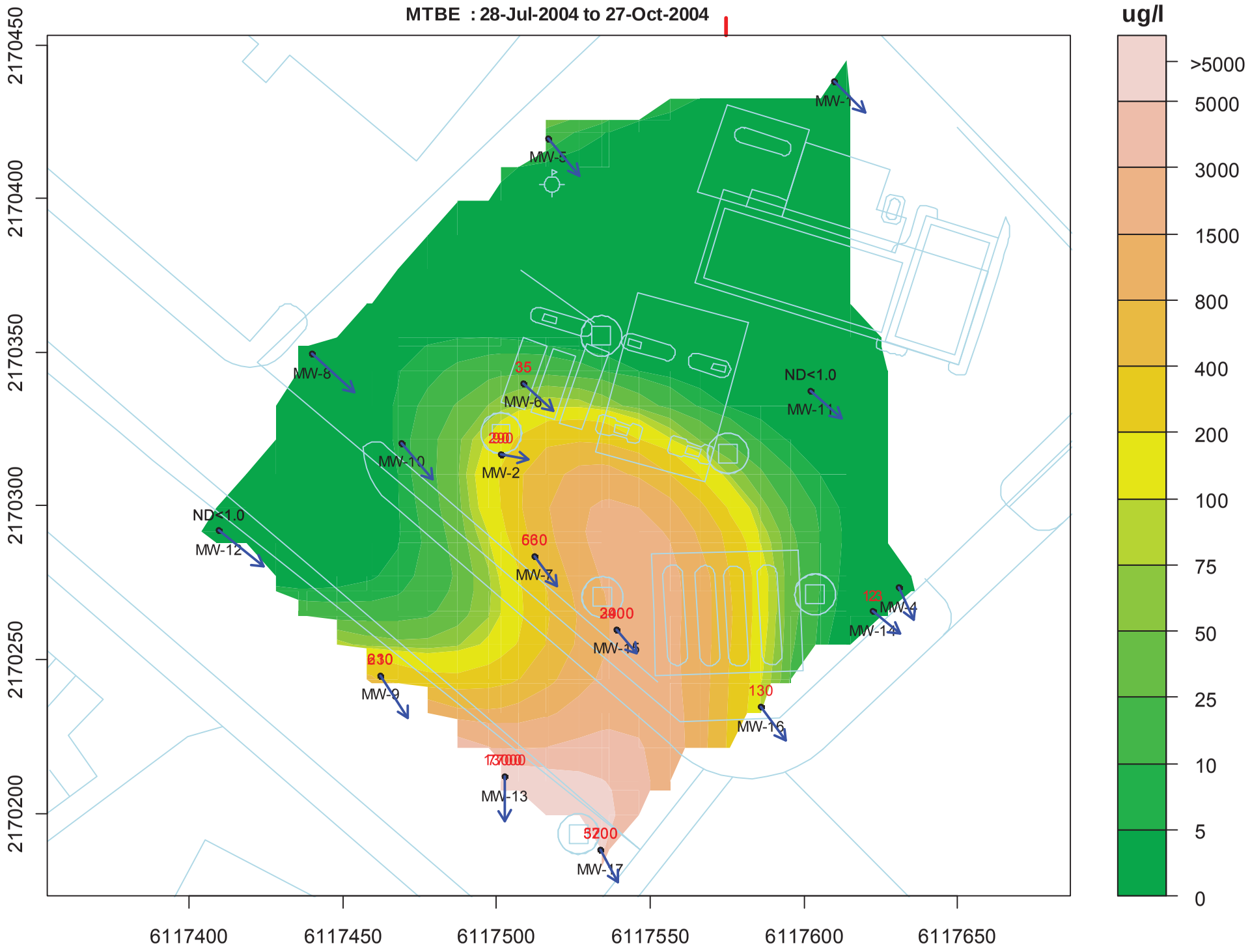
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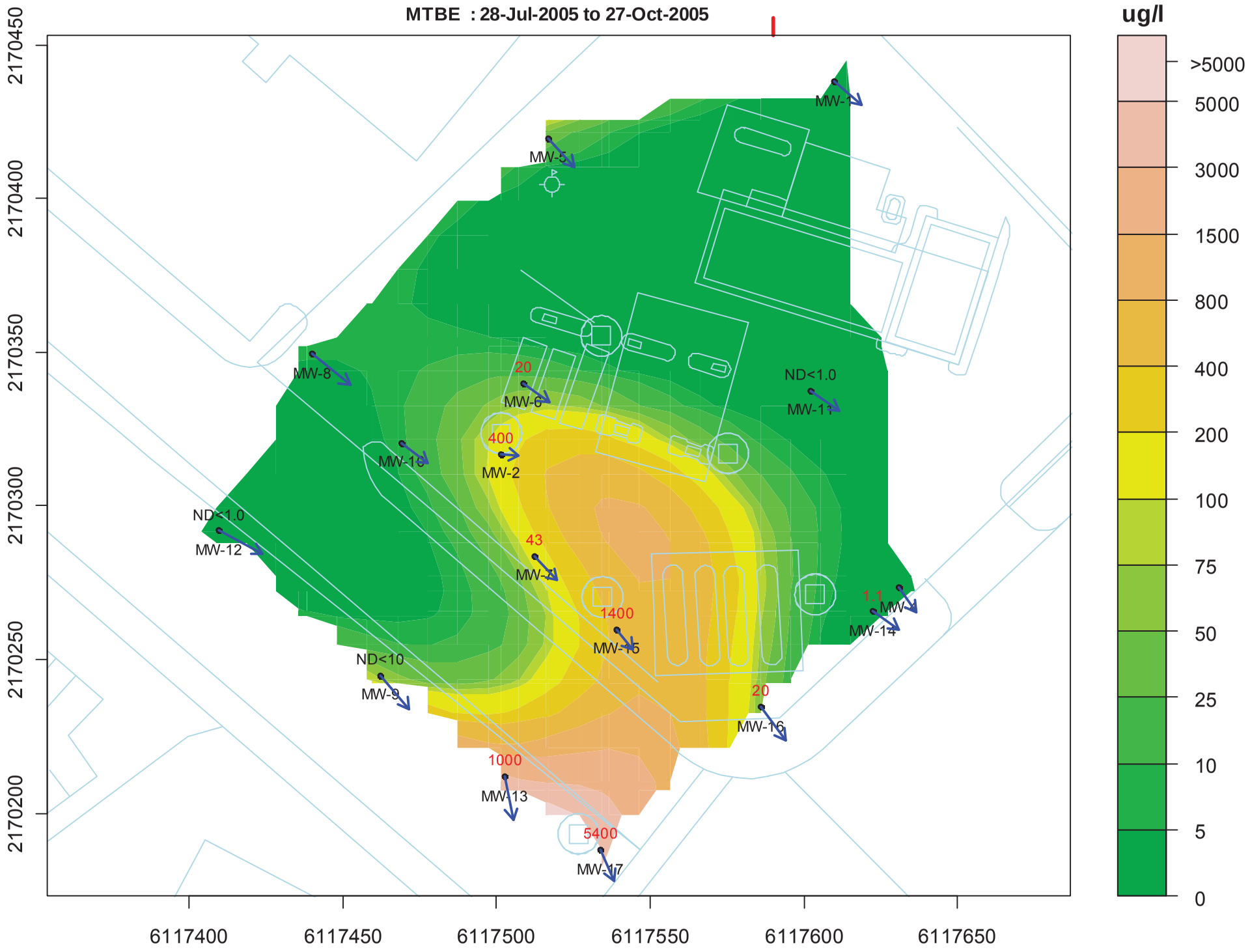
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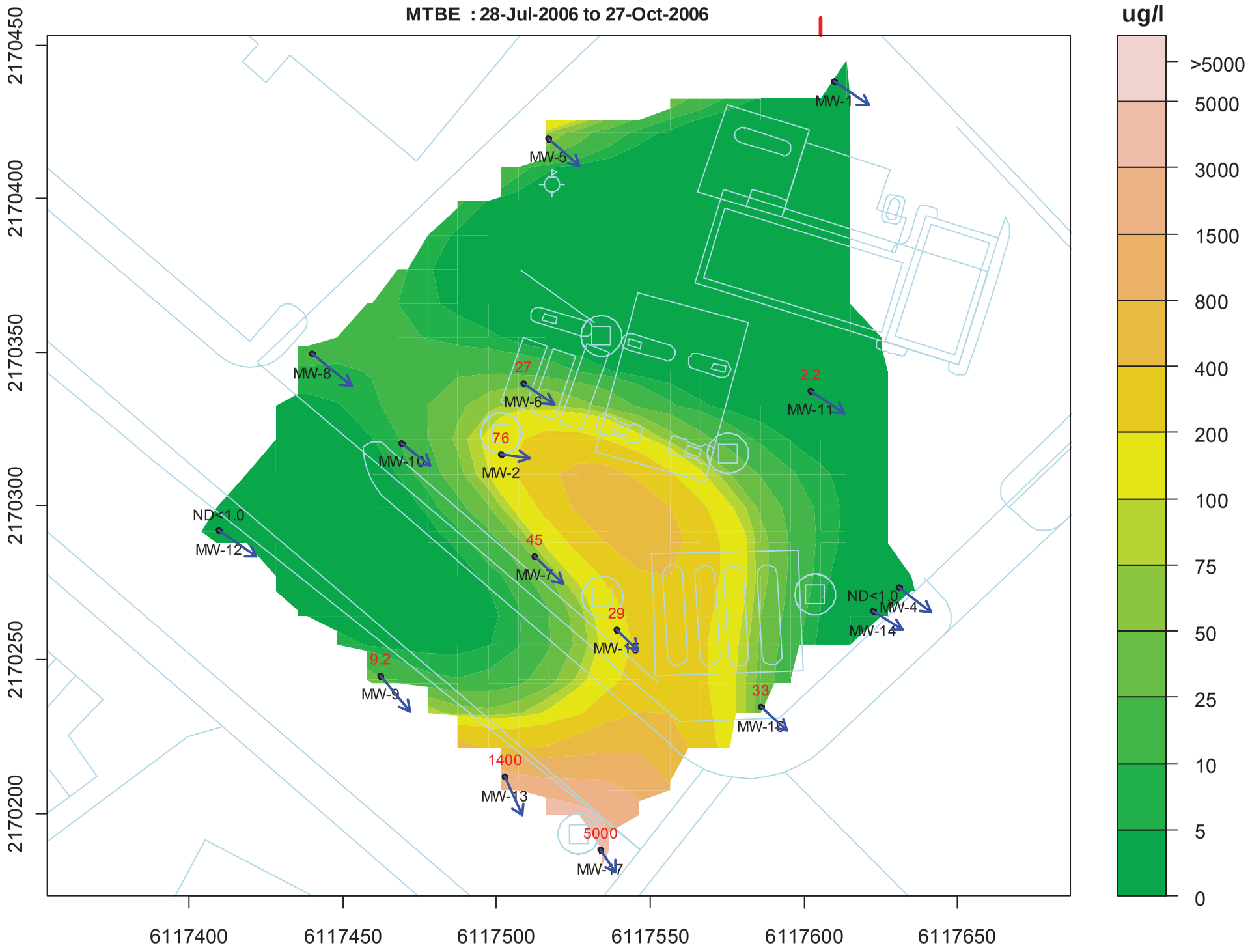
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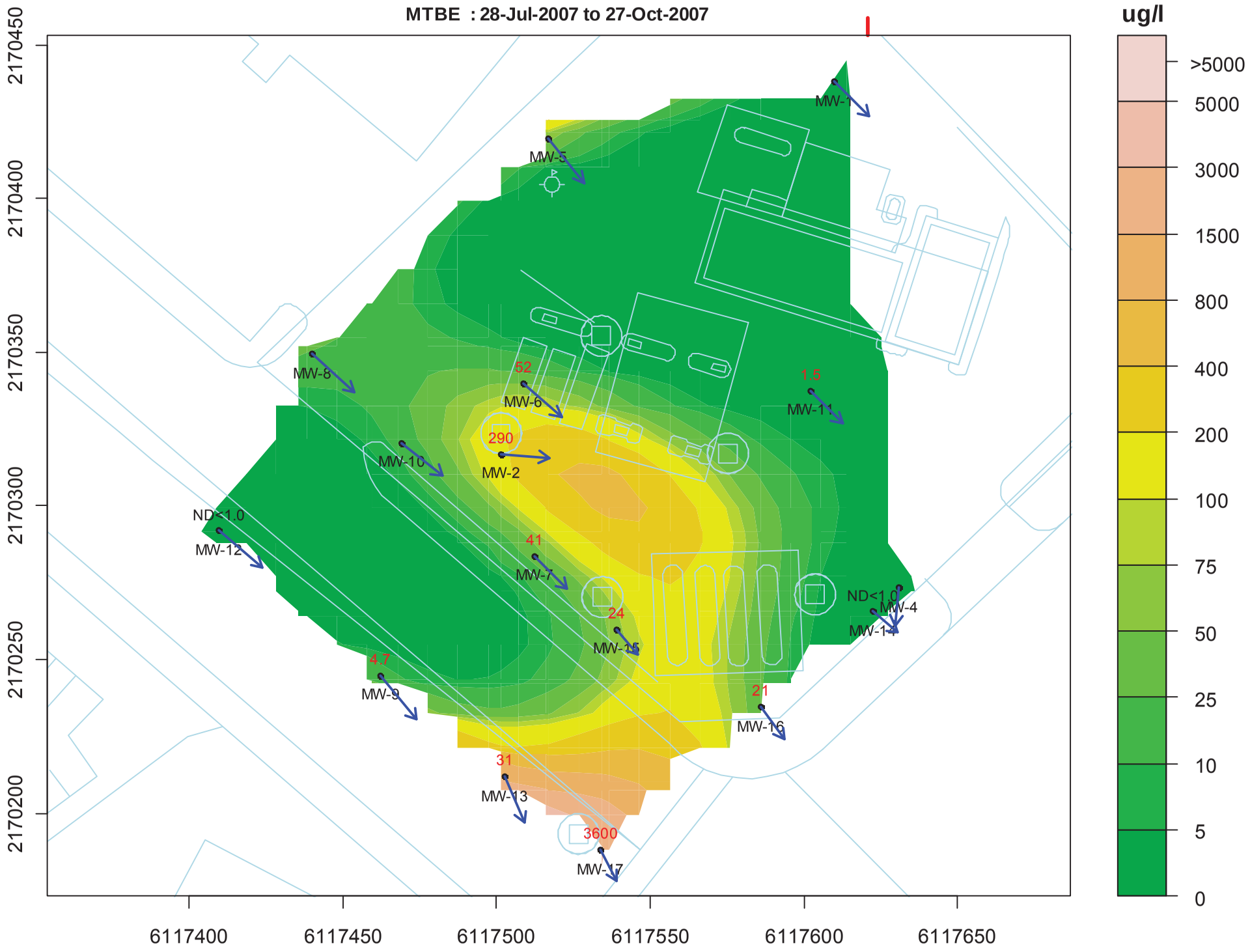
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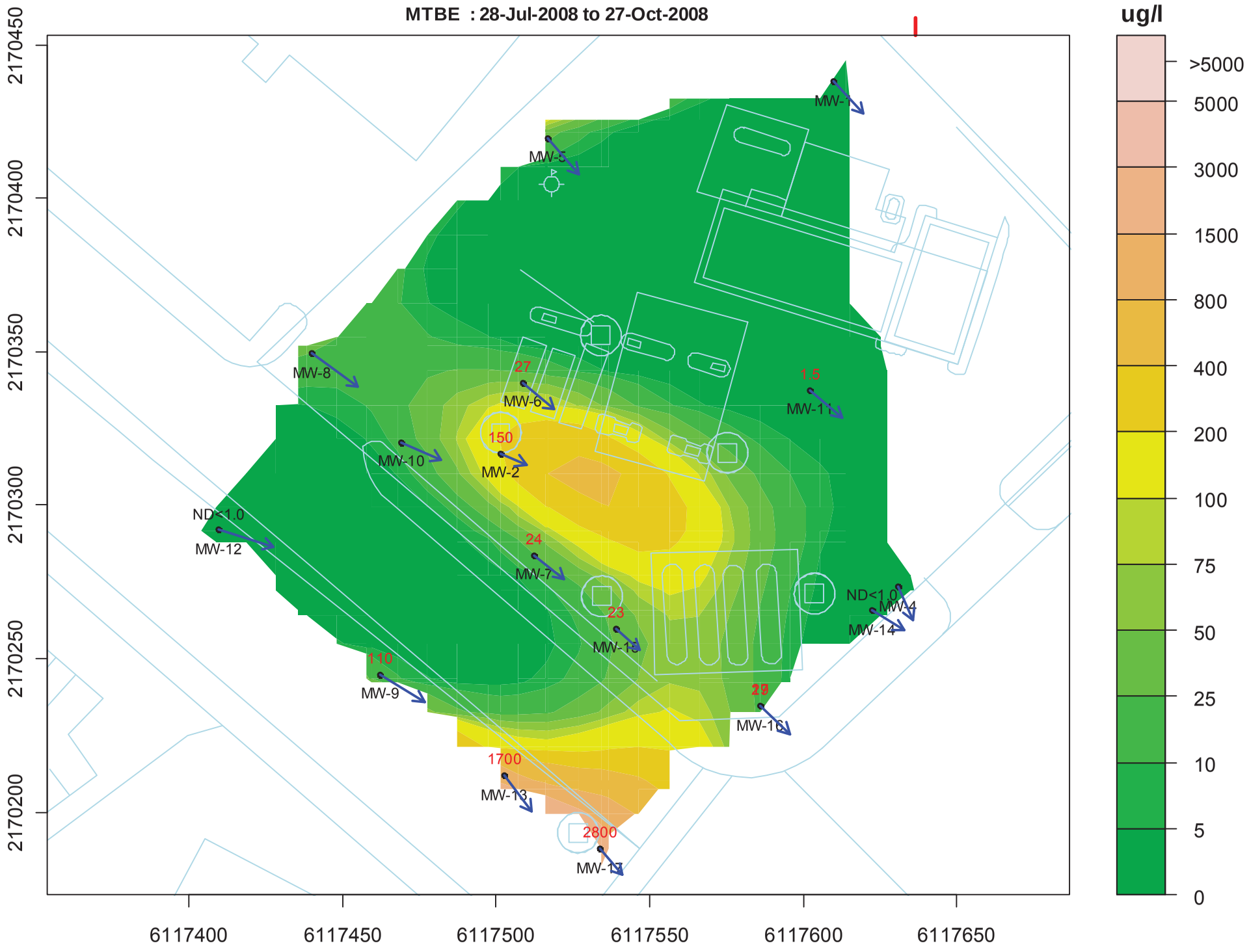
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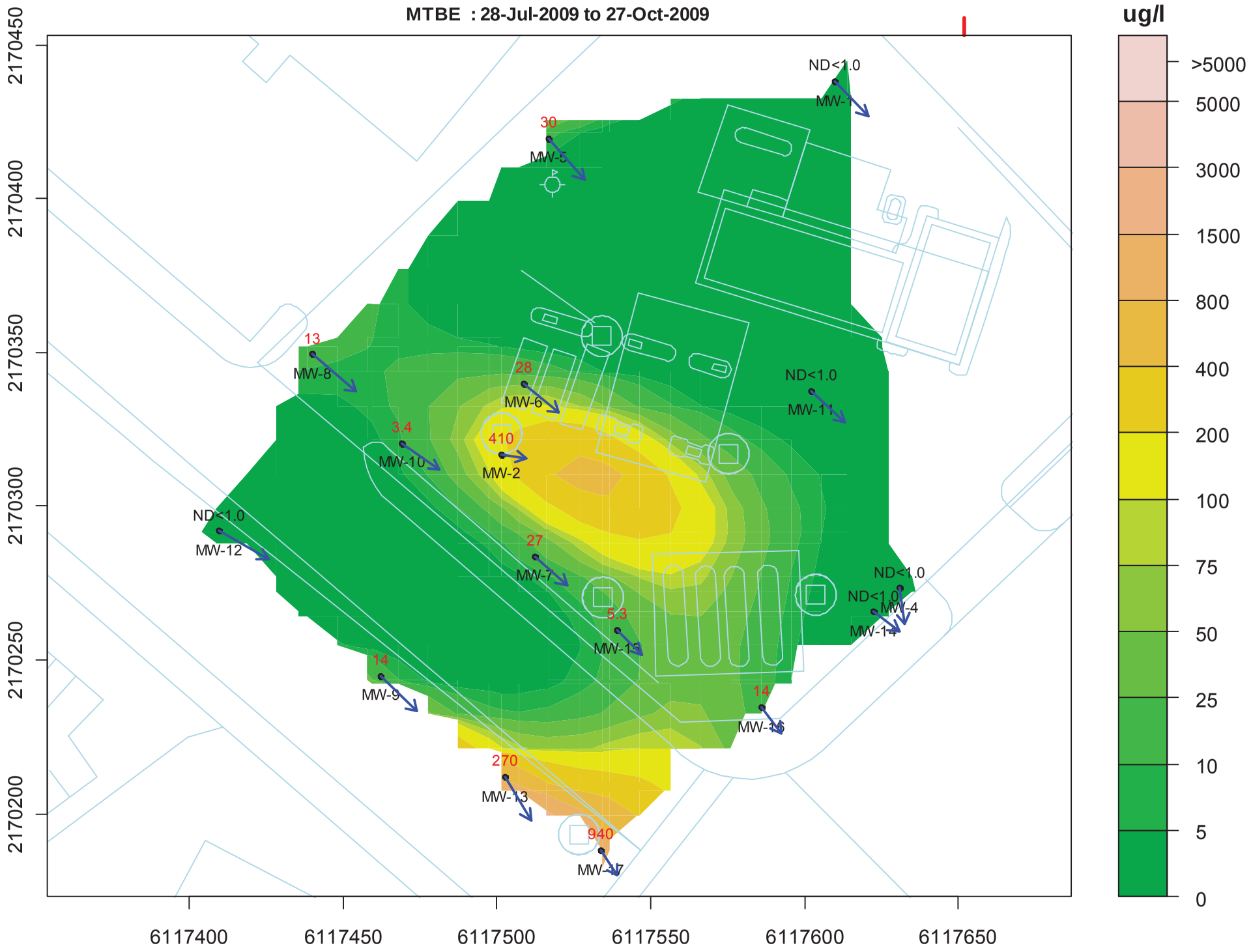
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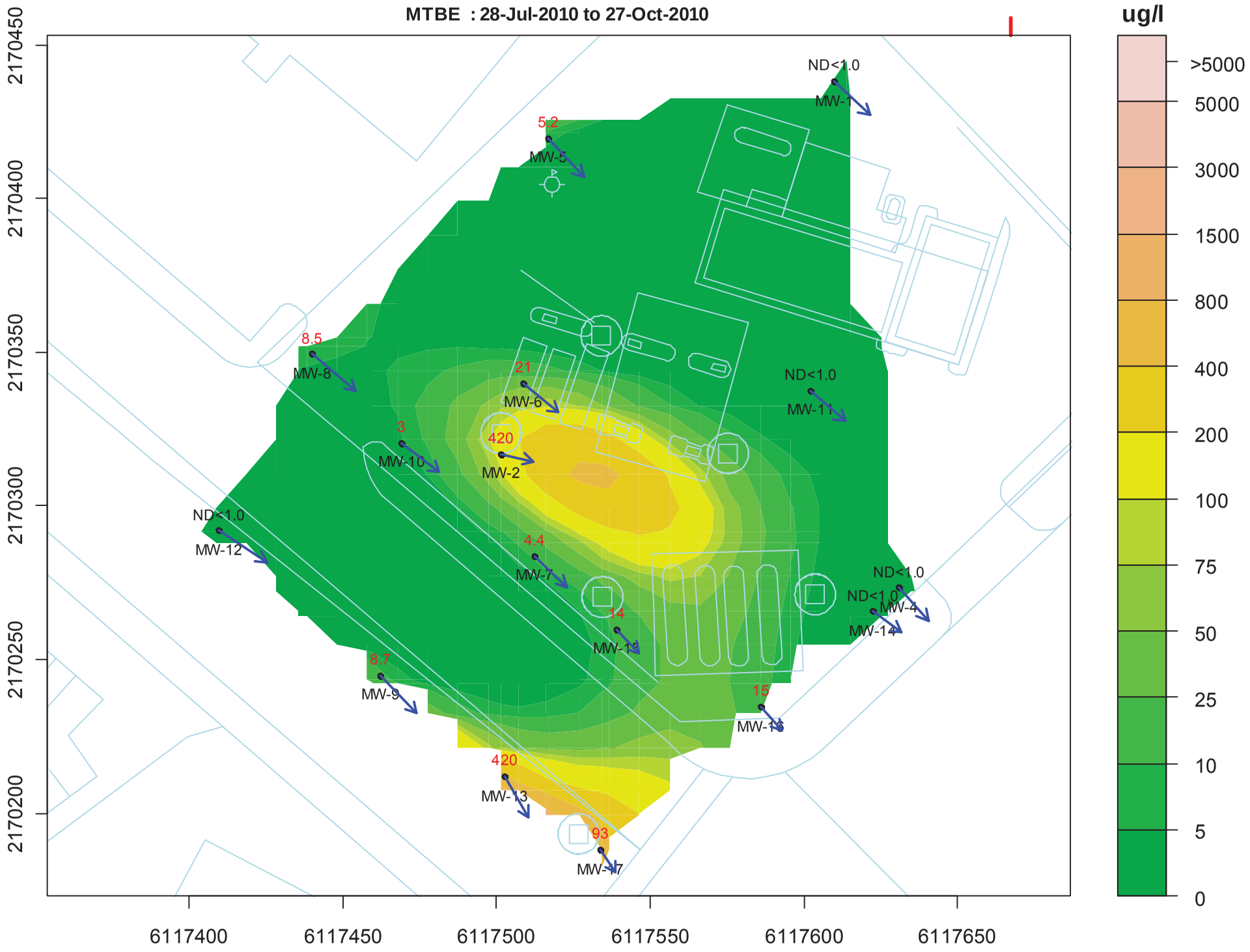
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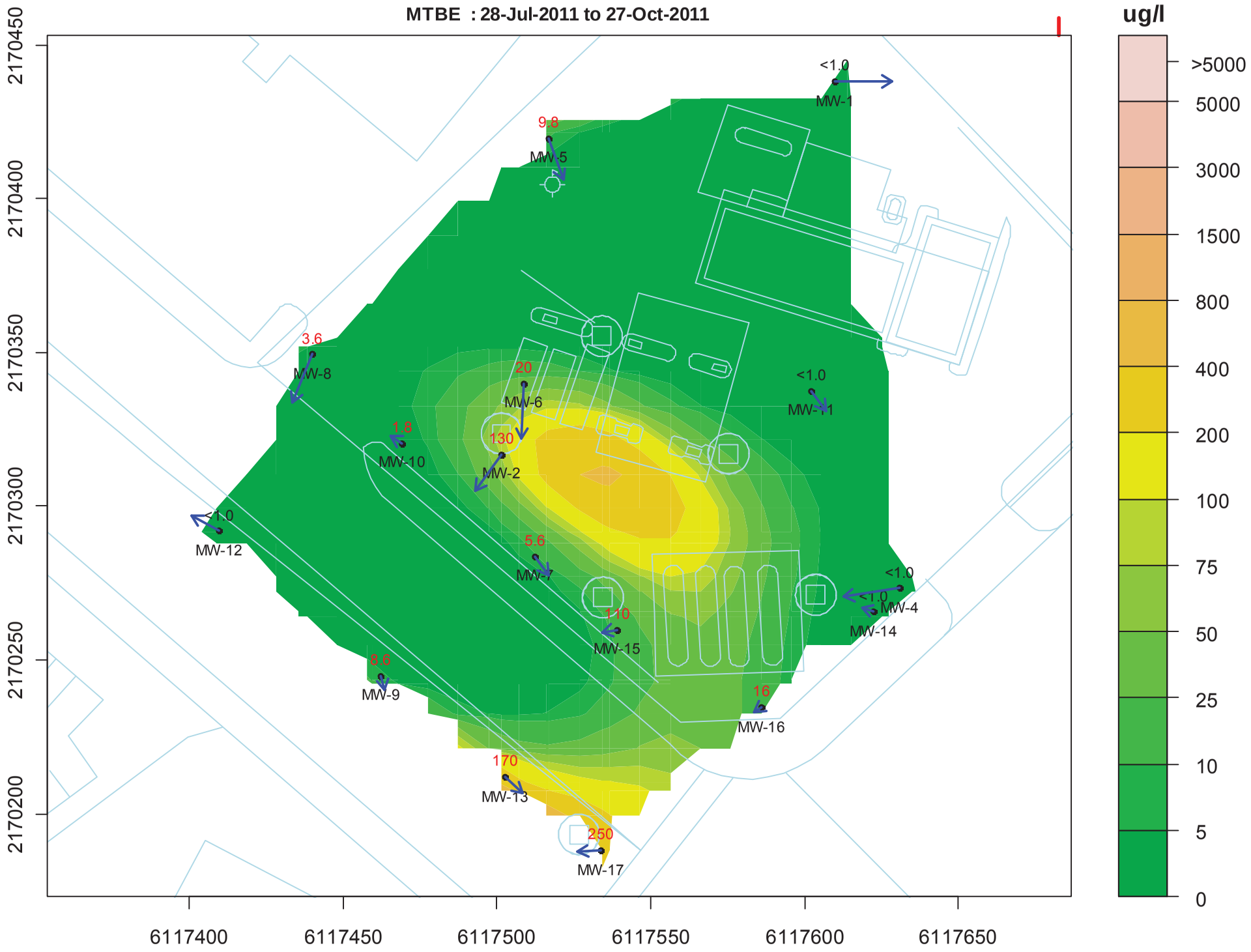
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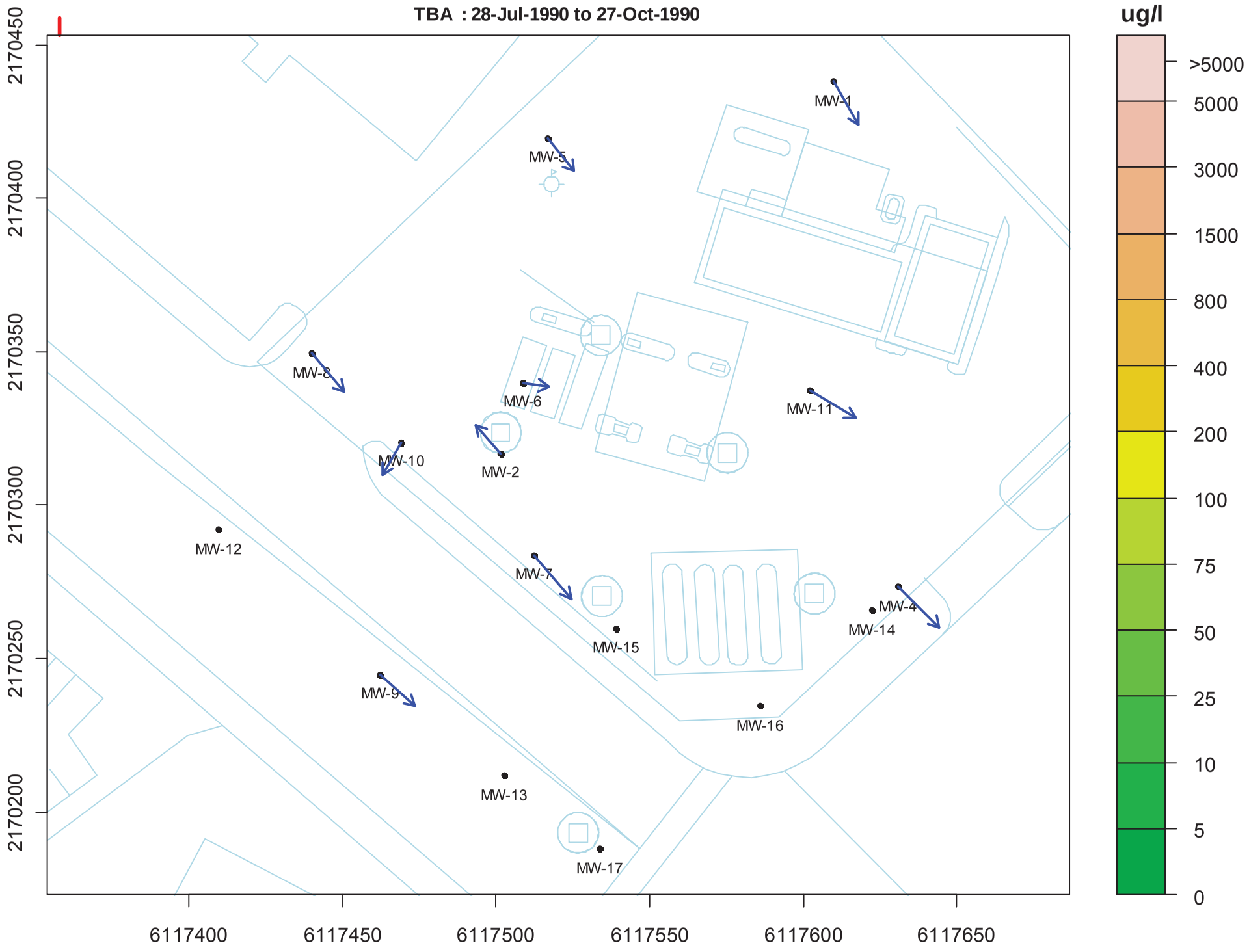
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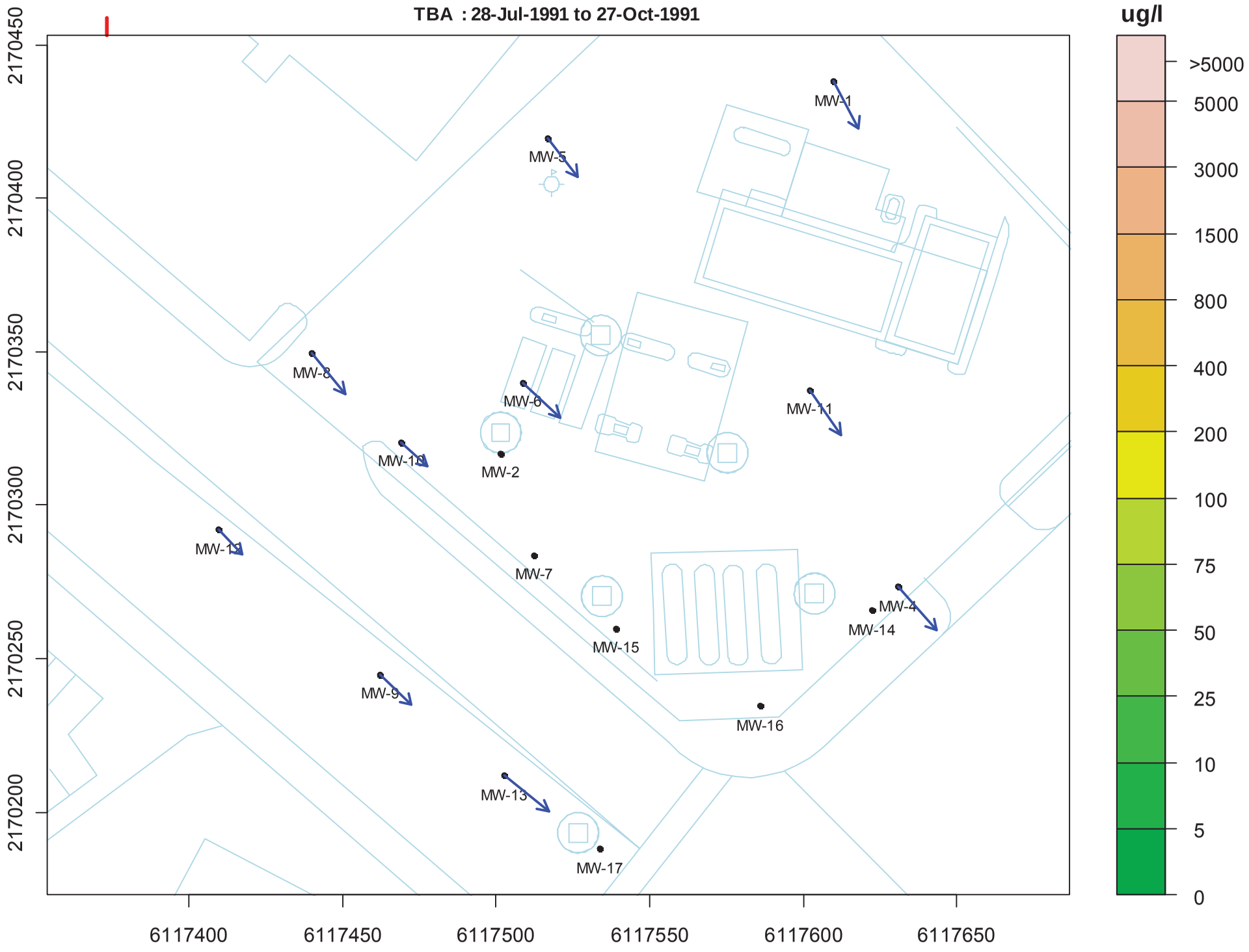
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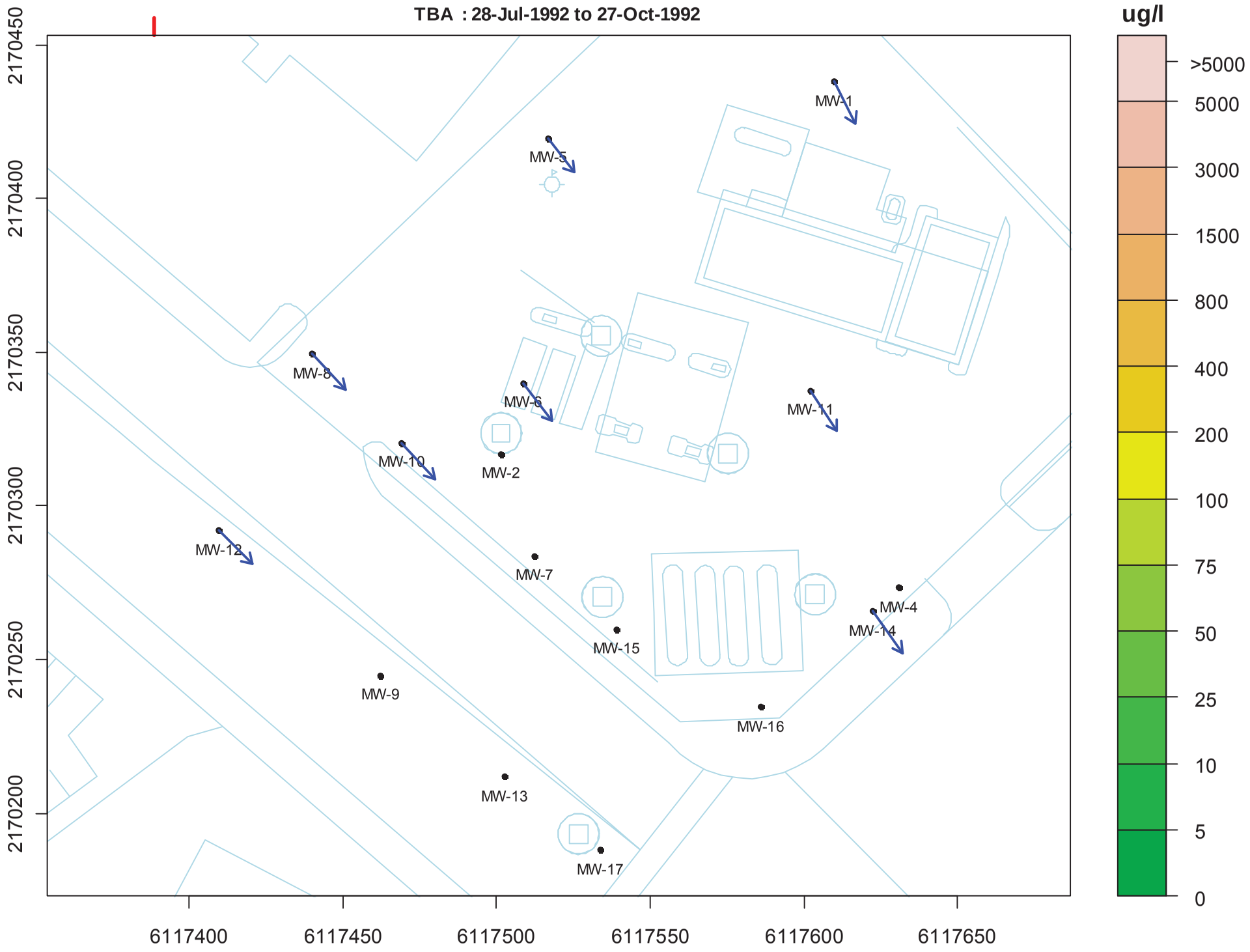
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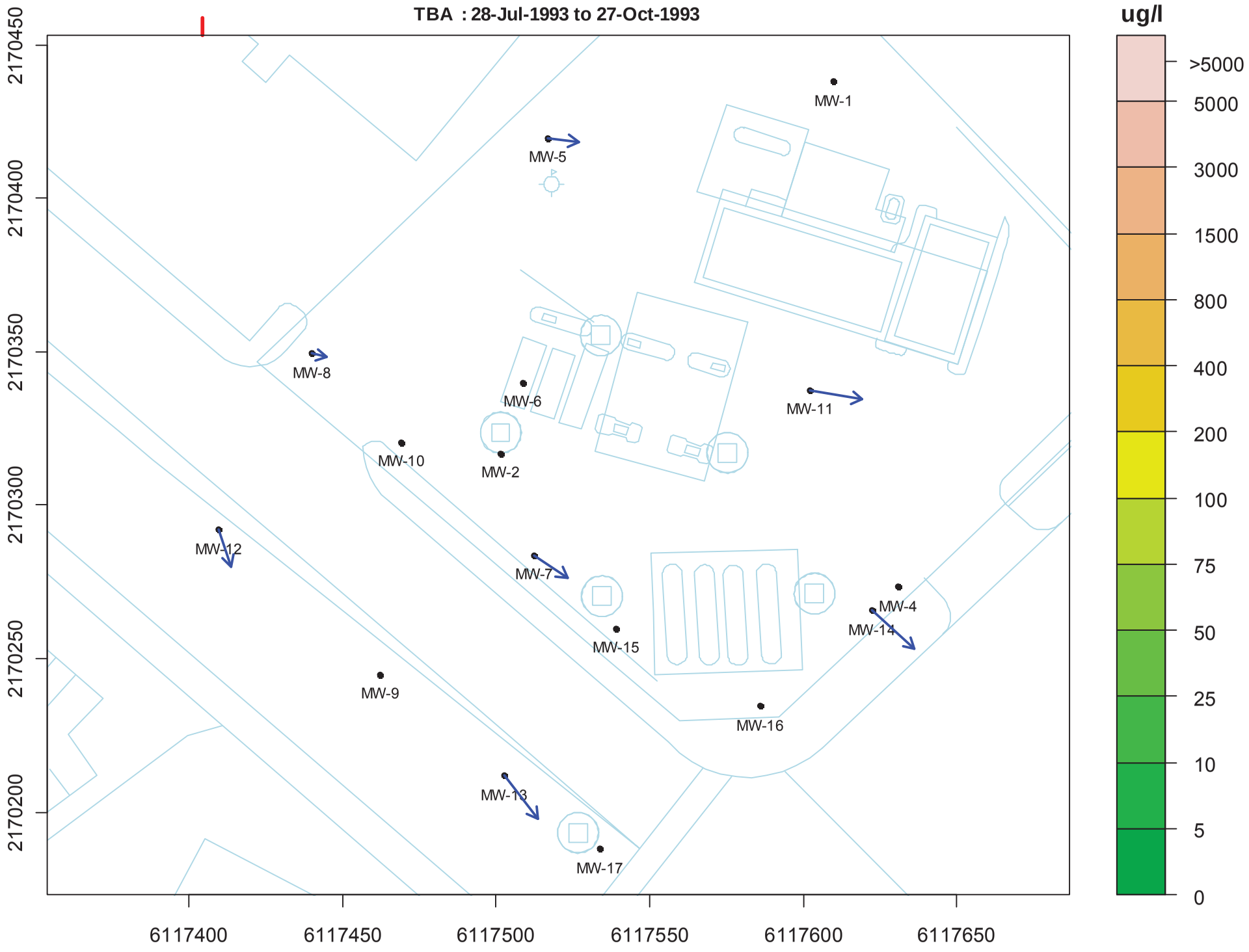
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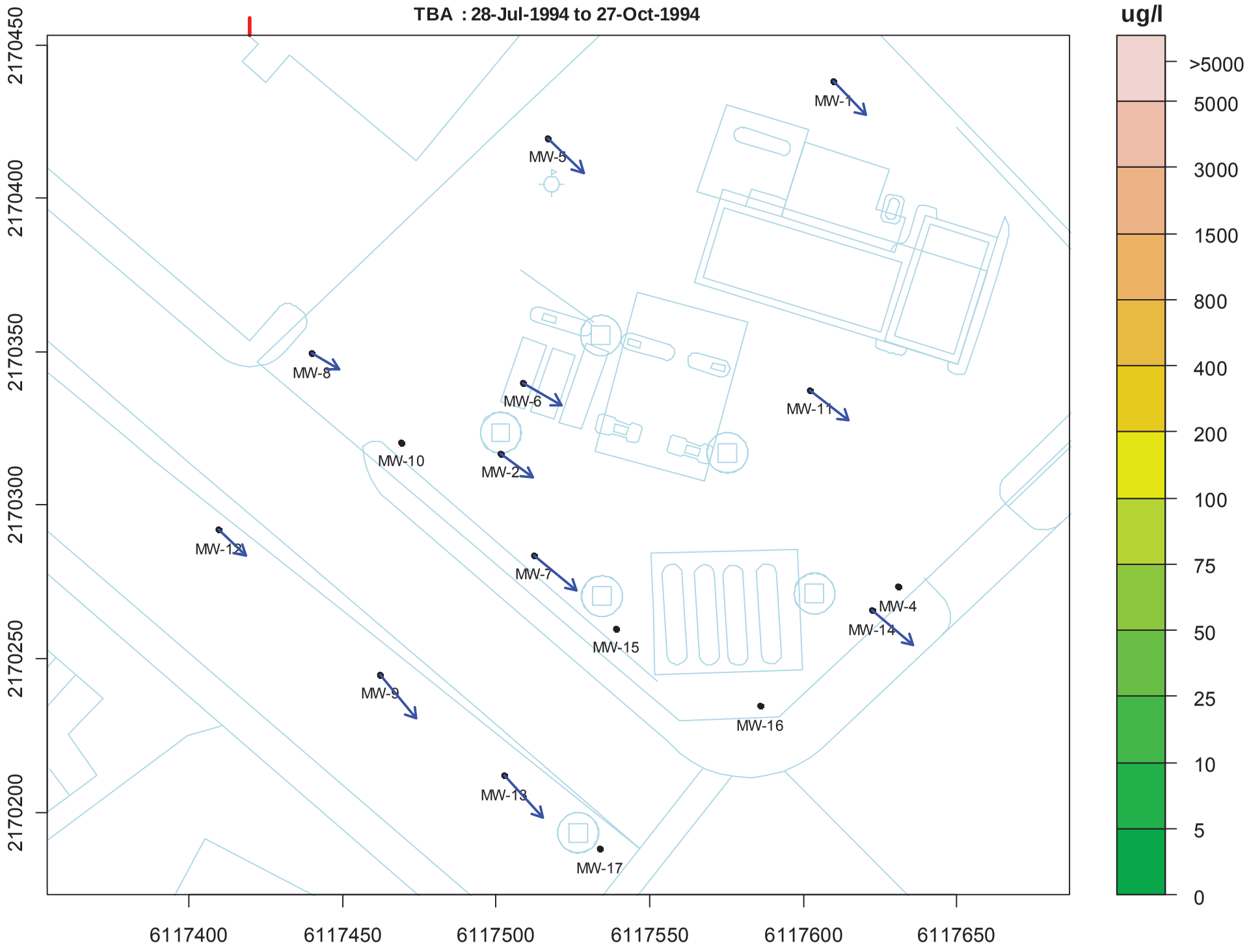
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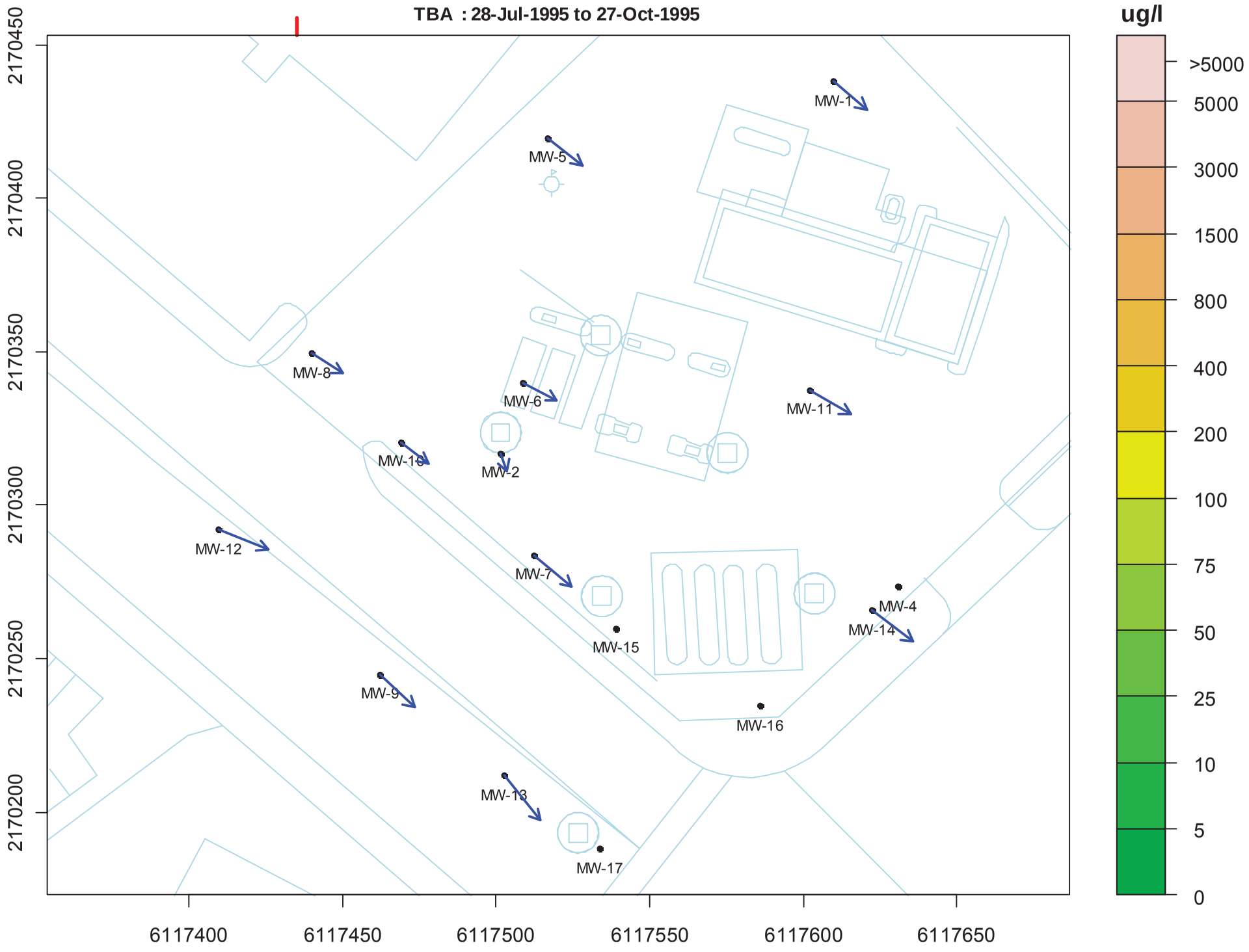
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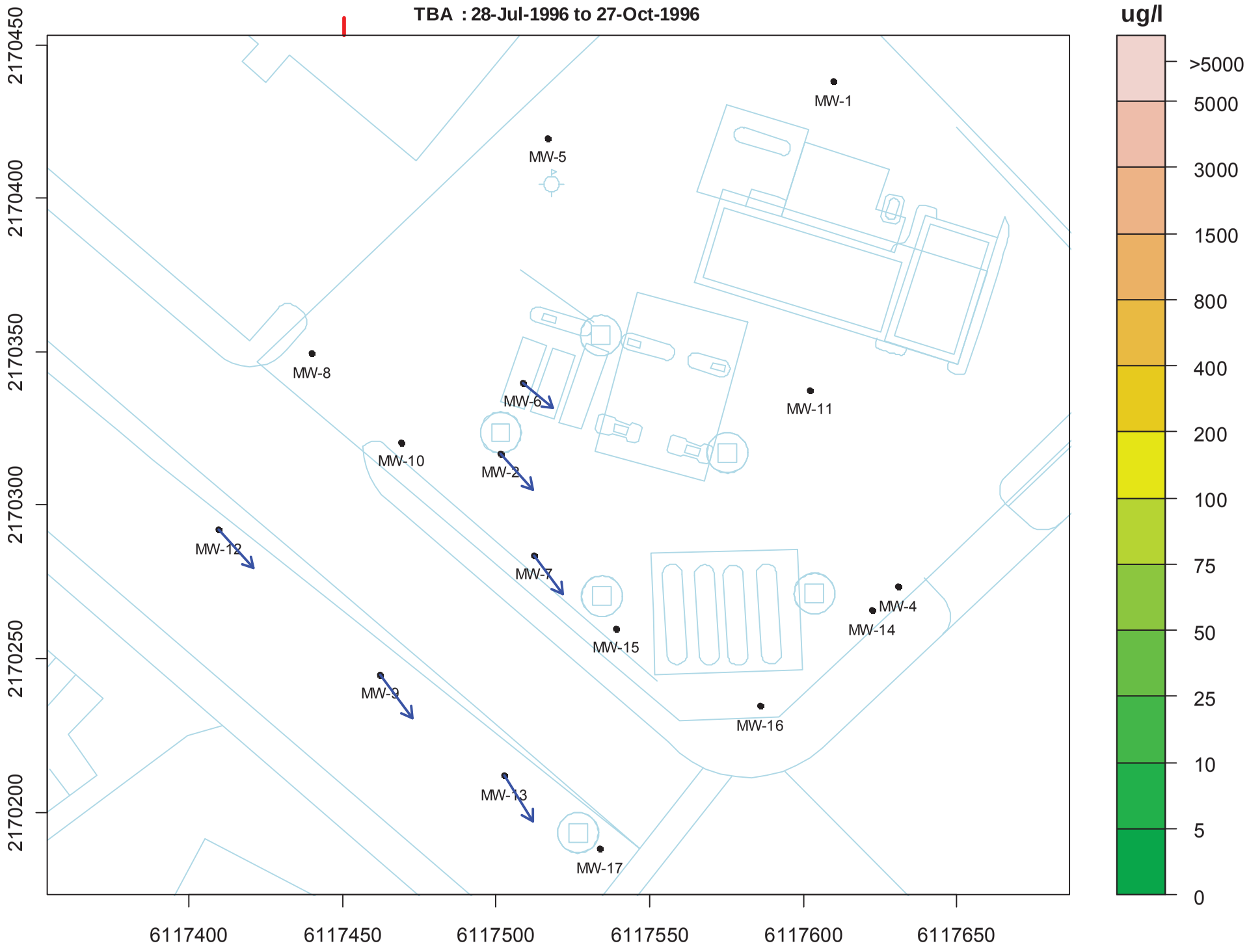
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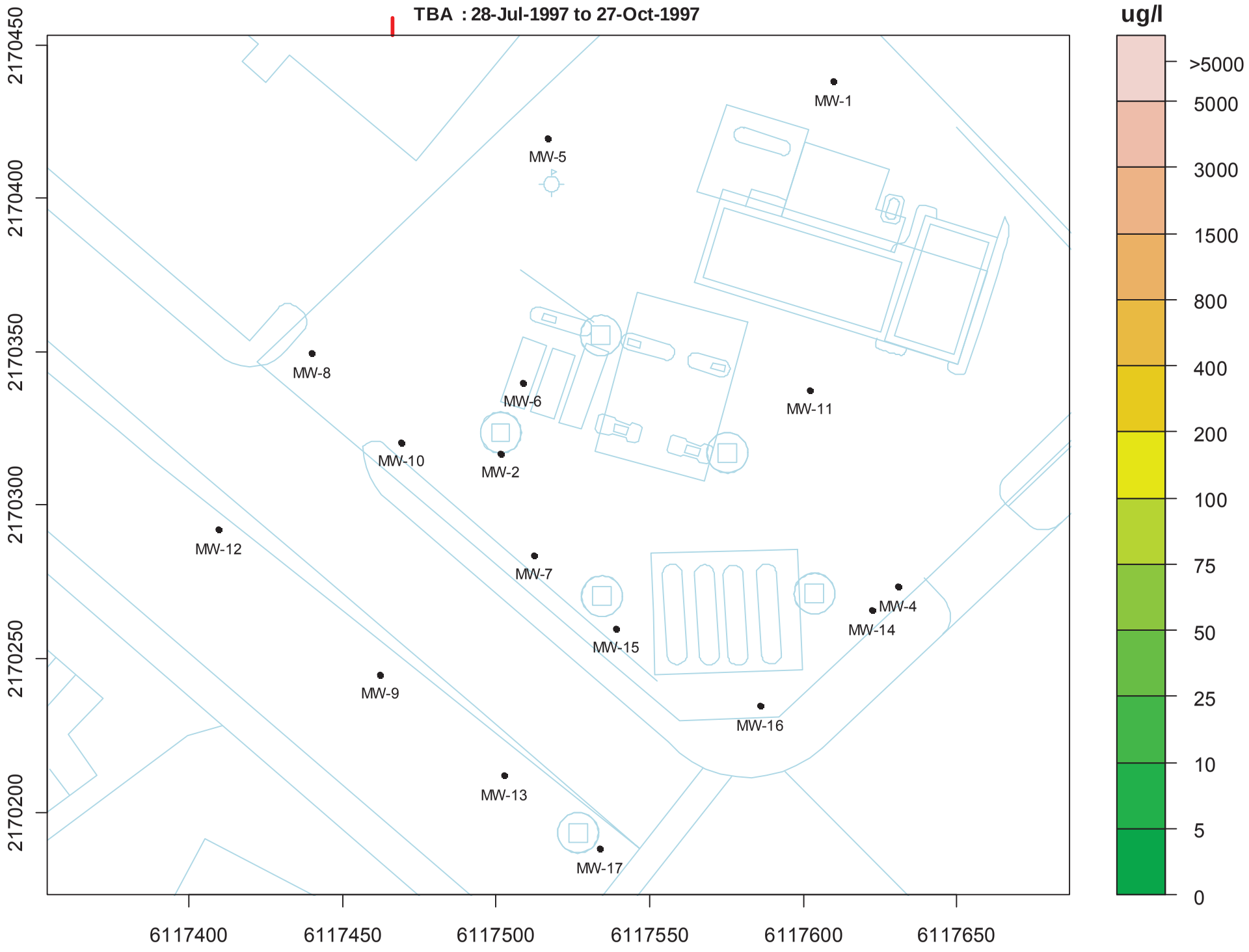
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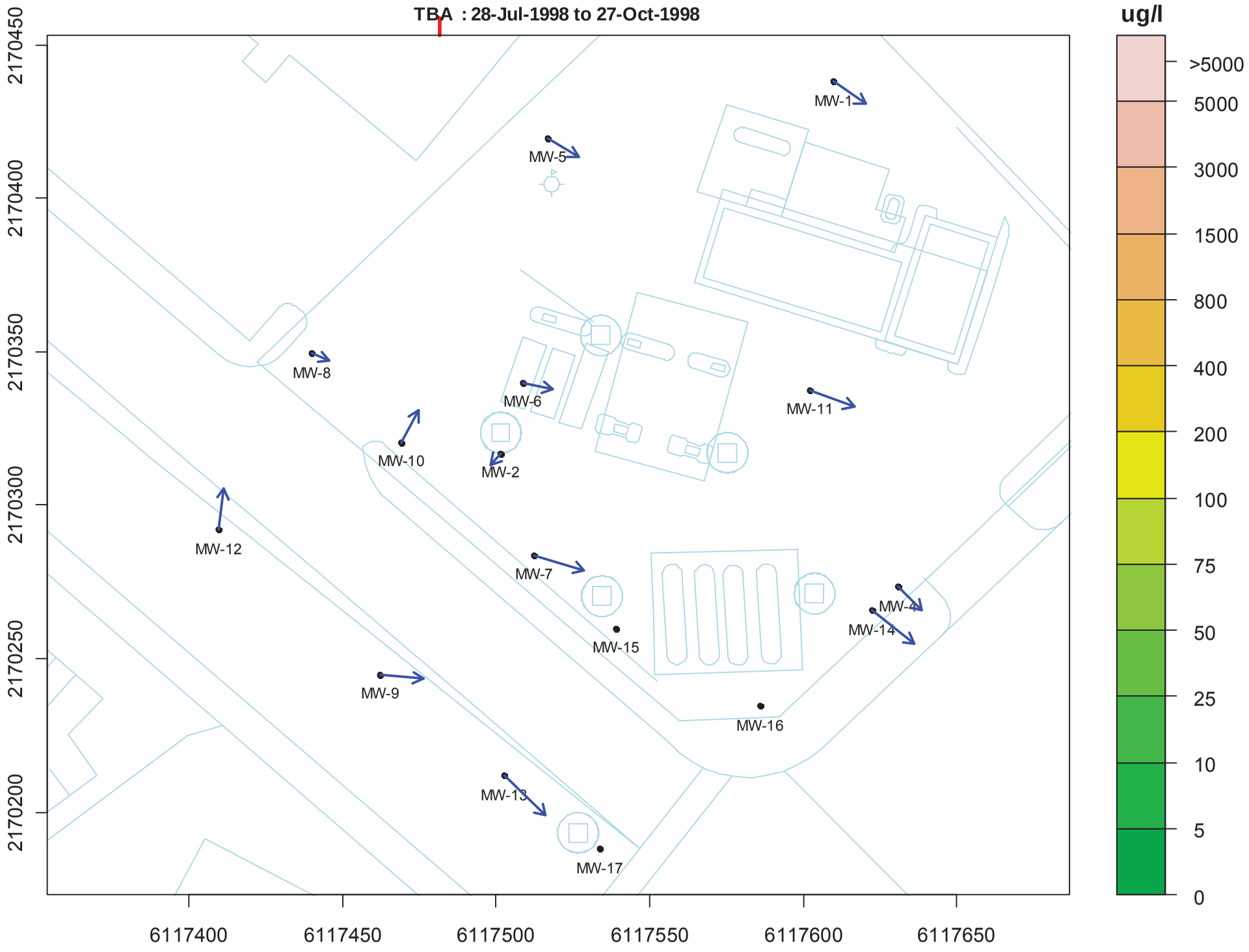
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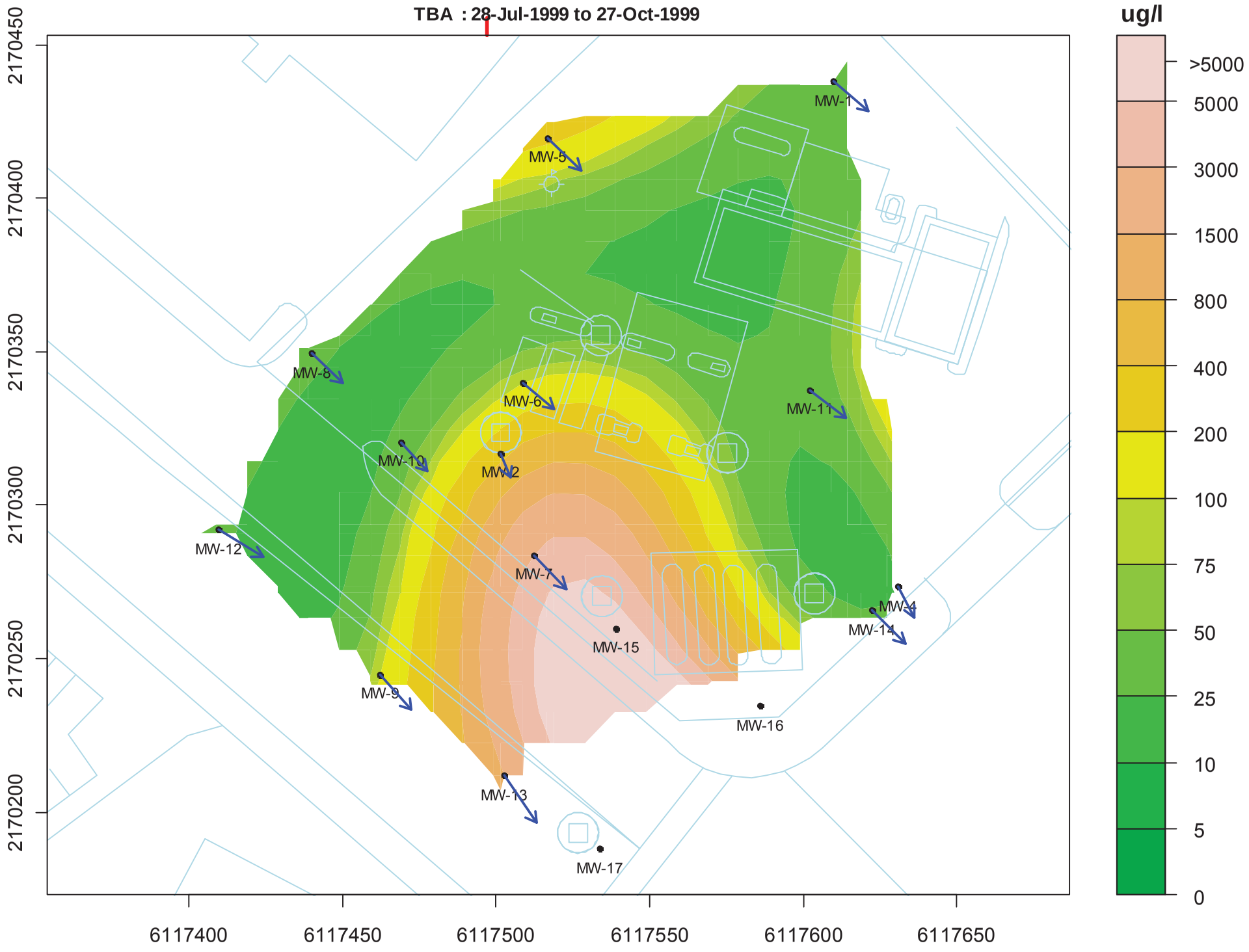
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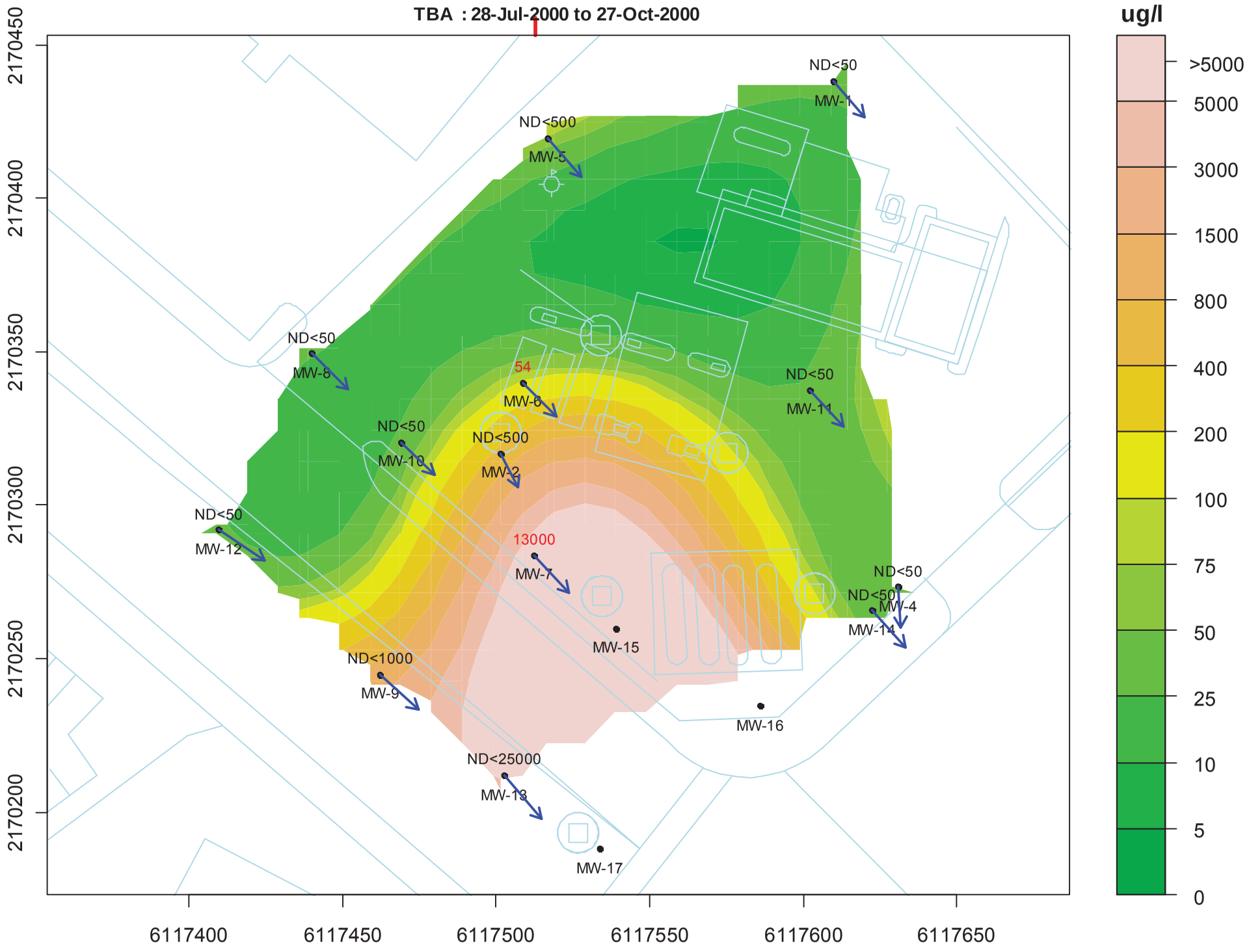
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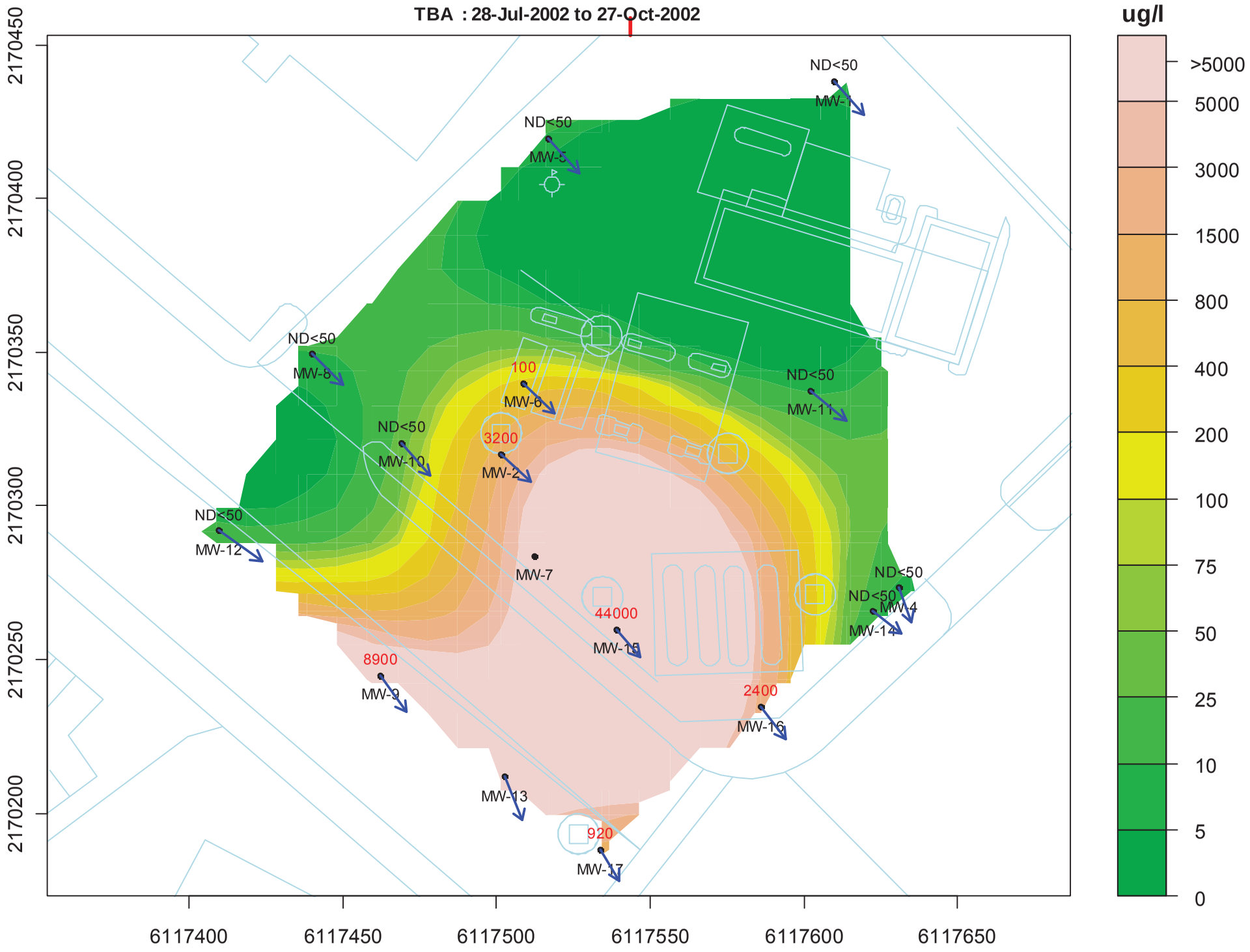
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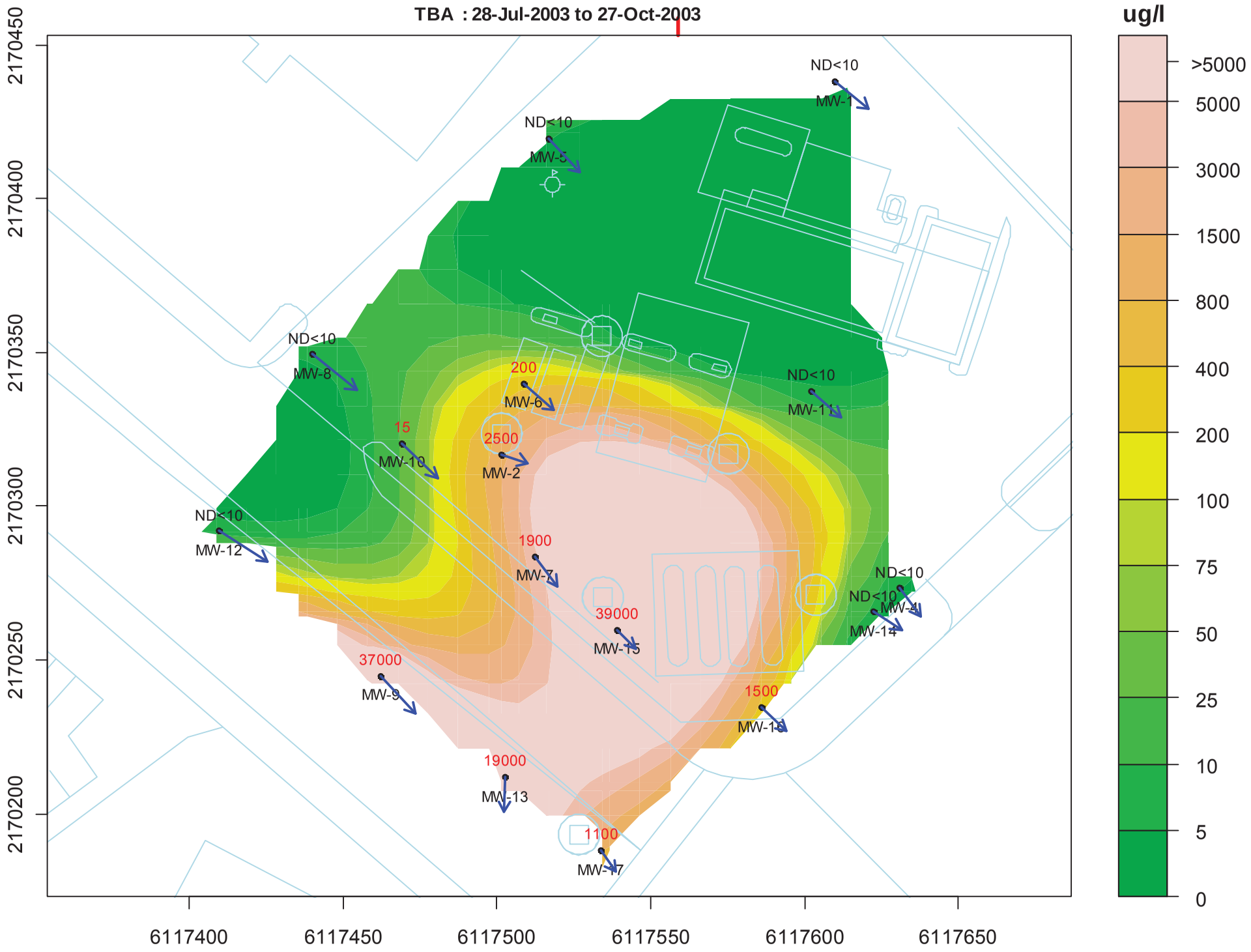
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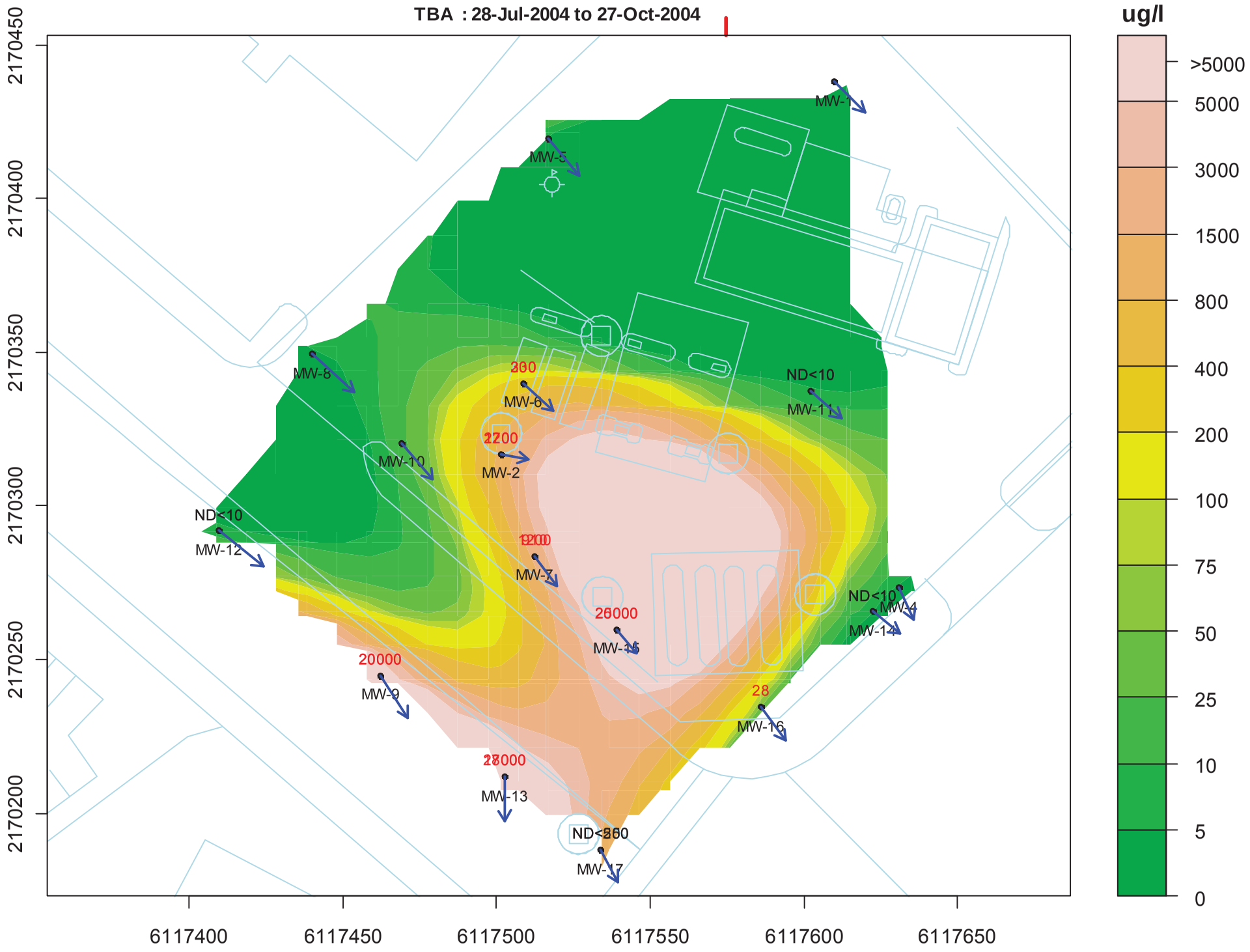
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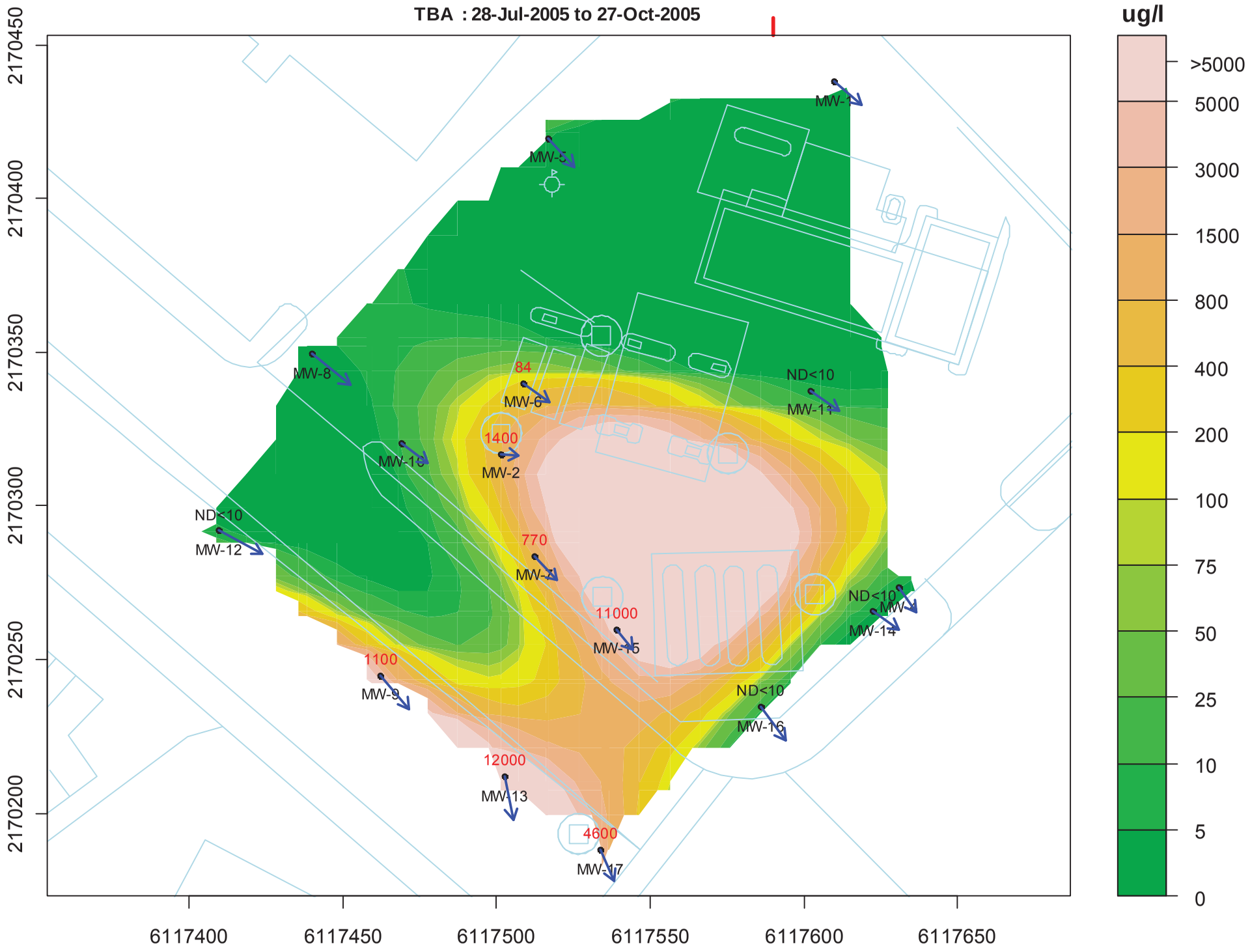
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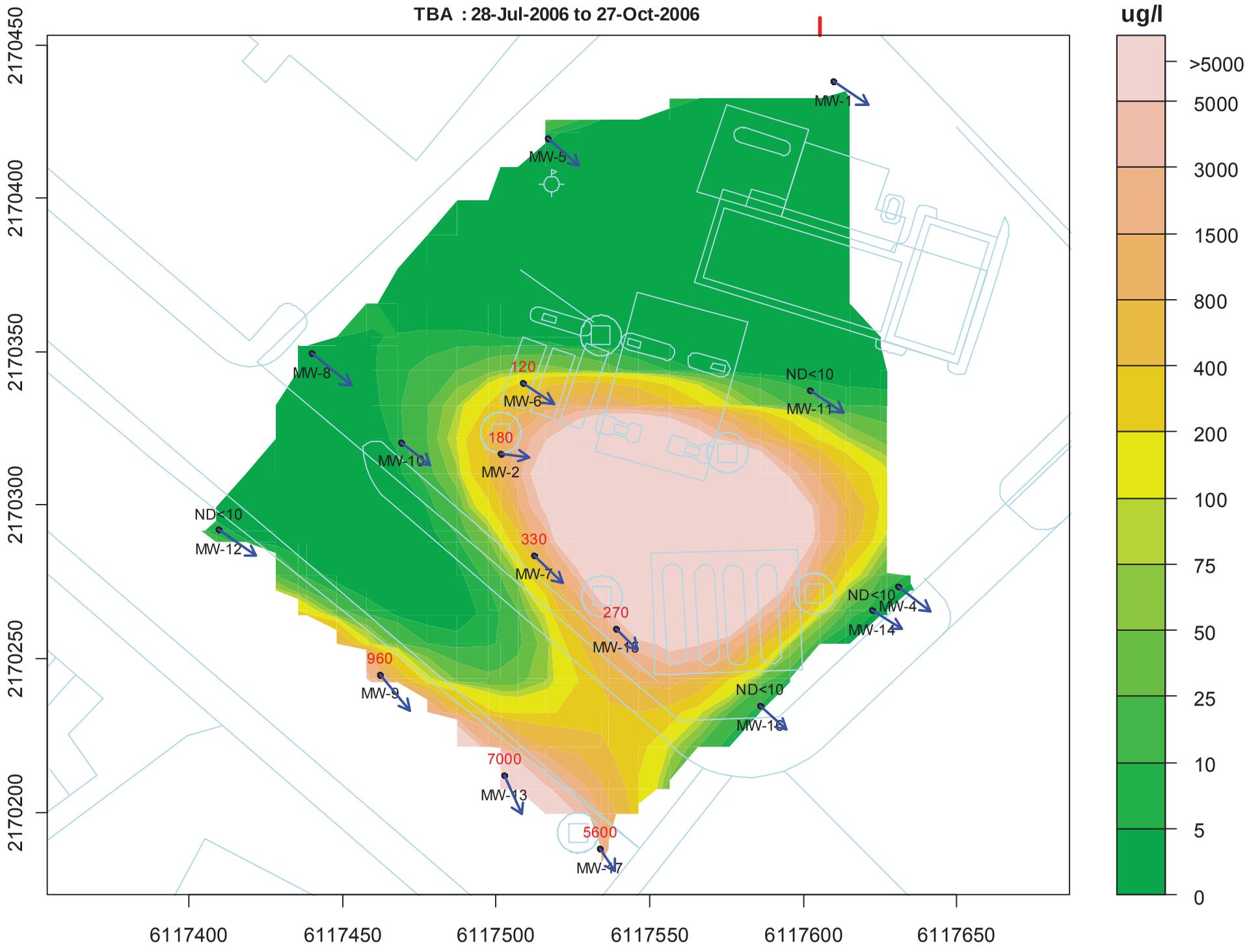
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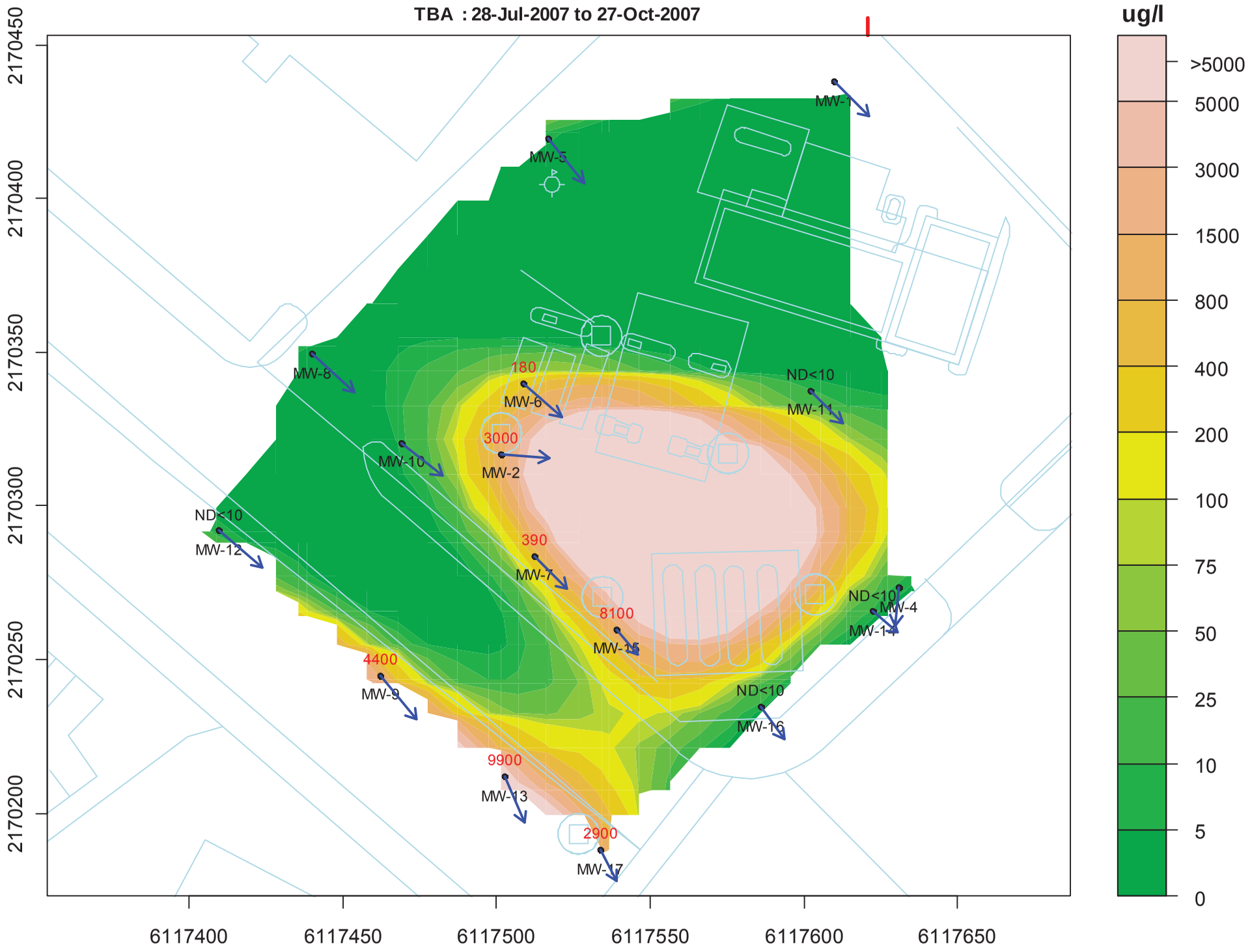
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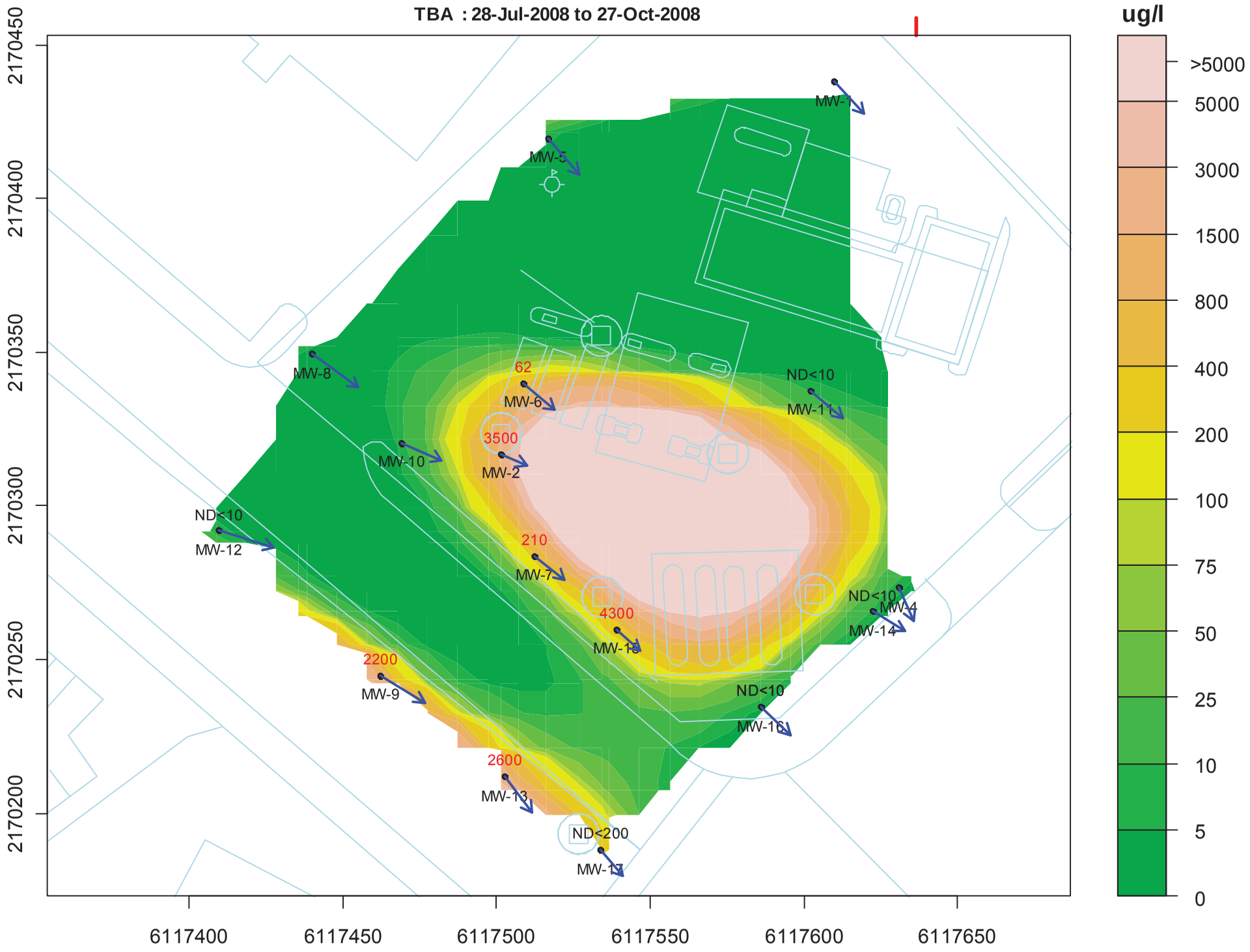
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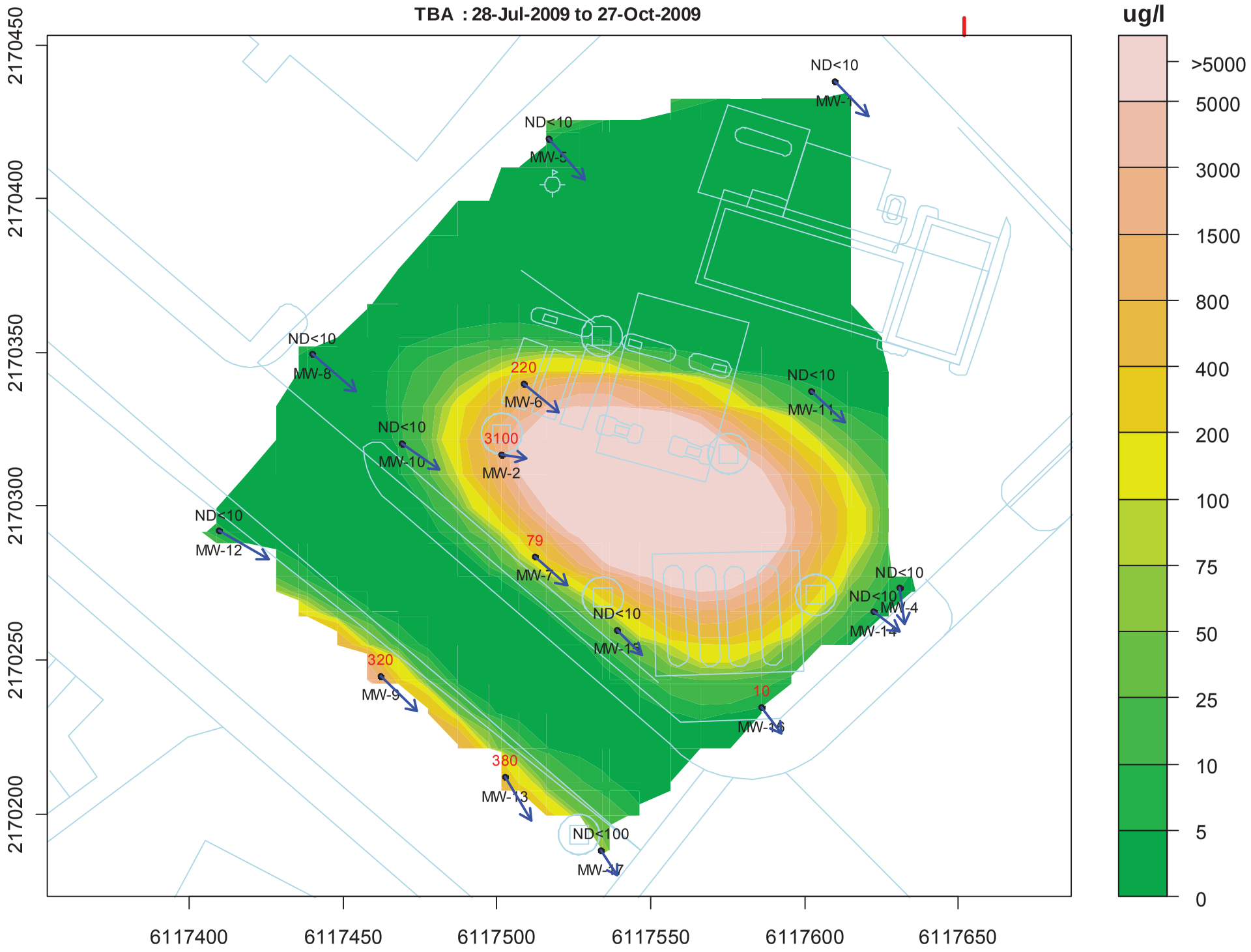
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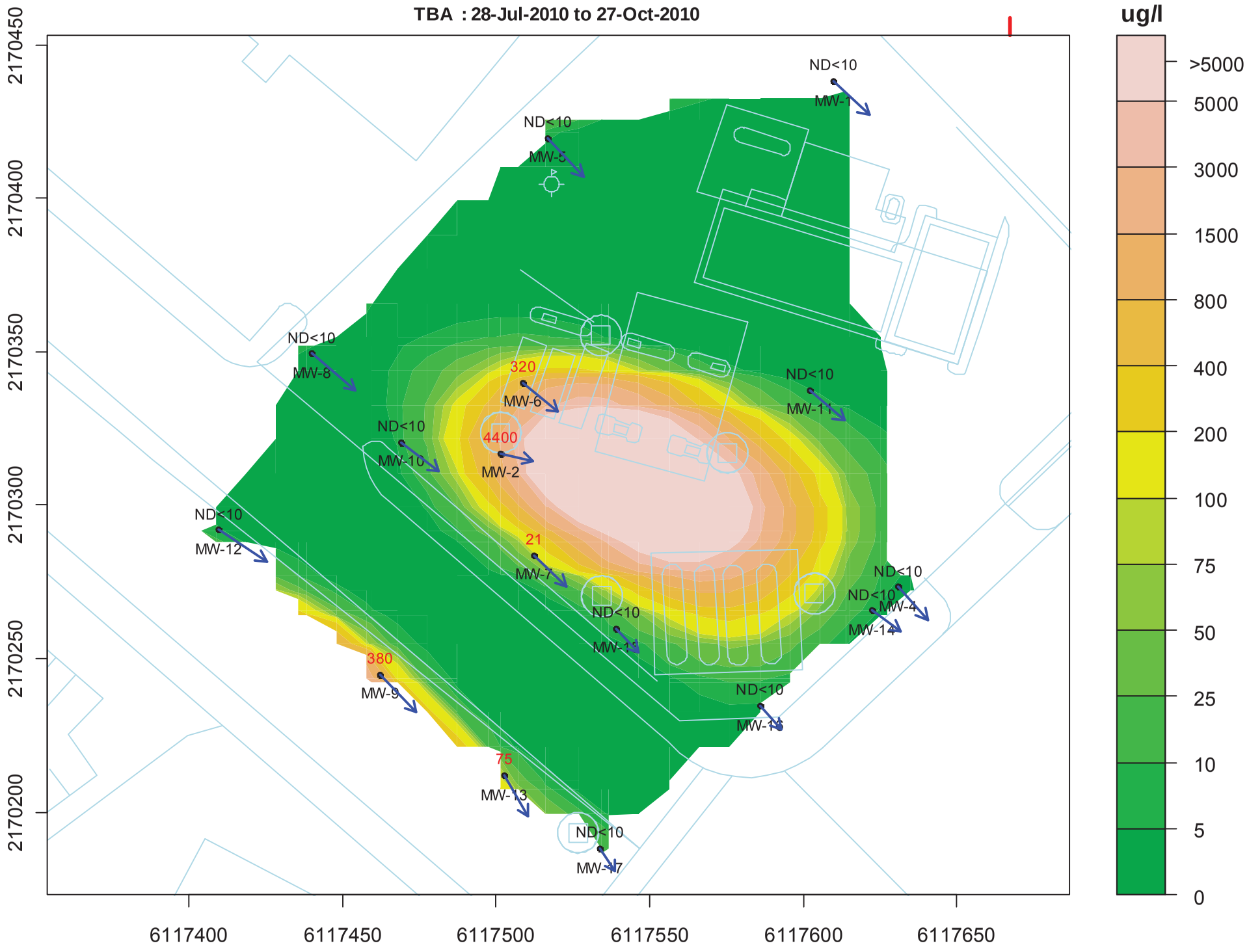
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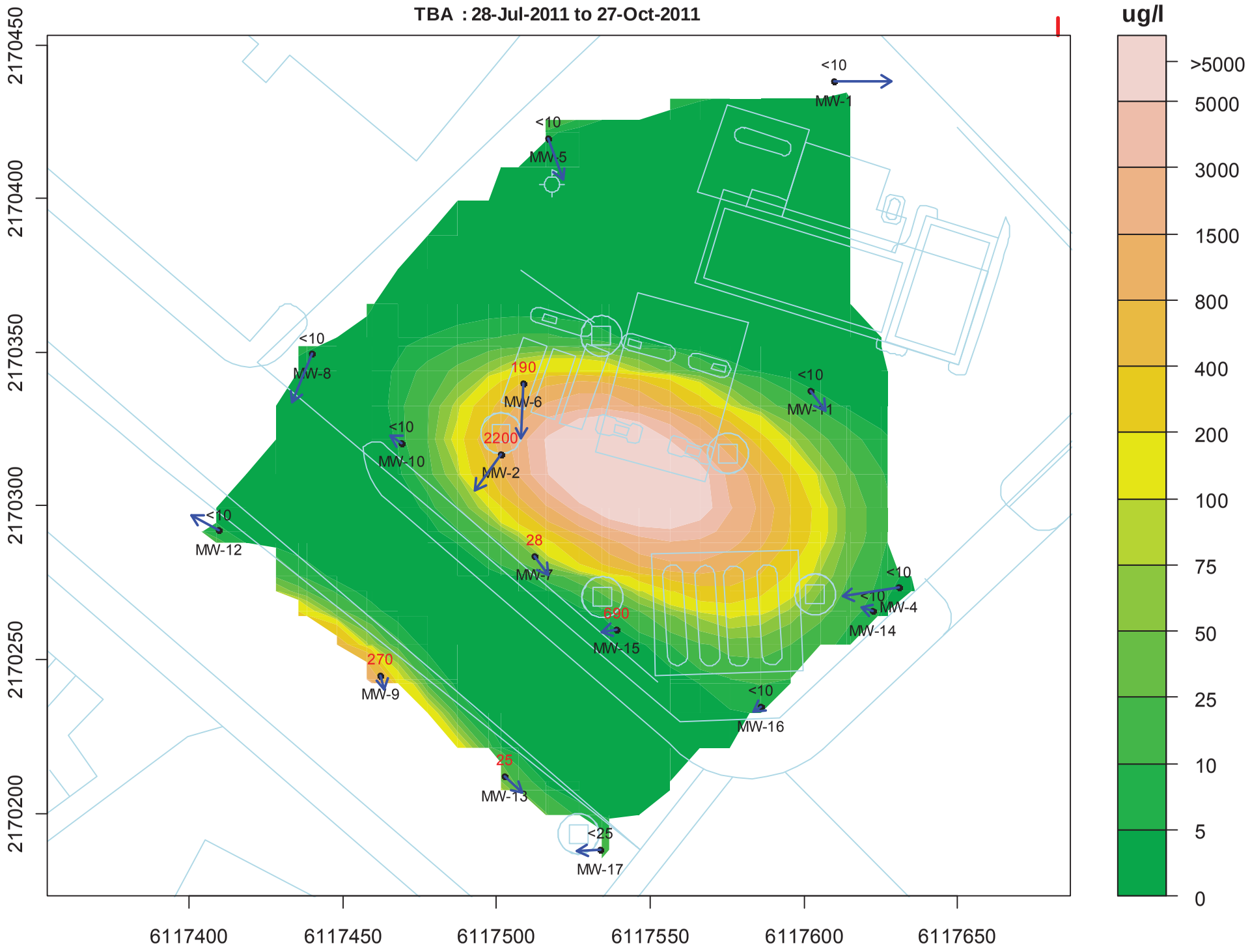
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Remediation Design and Implementation Programs

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Hazardous Waste Management and Monitoring

December 4, 2012

Ms. Nancy Olson-Martin
Santa Ana Regional Water Quality Control Board
3737 Main Street, Suite 500
Riverside, California 92501-3348

RE: <u>G&M Oil Company Station # 40</u>
(Former Wright Petroleum)
23991 El Toro Road
Laguna Hills, California 92606
QUARTERLY STATUS REPORT
4th Quarter 2012
SARWQCB Case # 083000580T

Dear Ms. Olson-Martin:

On behalf of G&M Oil Company, Inc., enclosed is the *Quarterly Status Report—4th Quarter 2012*, dated December 4, 2012, and prepared by Atlas Environmental Engineering, Inc. (ATLAS). ATLAS operated the temporary DPE treatment system from mid-September to November 2008. A *DPE Treatment System Operation Report*, dated June 28, 2010, detailing the treatment system operation and analytical results, was submitted to the Santa Ana Regional Water Quality Control Board (SARWQCB).

ATLAS installed one replacement well, BYA-7R, at the site in December 2008. A *Well Installation Report*, dated February 19, 2009, documented the well installation activities and laboratory results and conclusions.

Pursuant to the SARWQCB's letters of correspondence dated July 26, 2005, and March 18, 2009, ATLAS abandoned groundwater monitoring wells WP-15, BYA-10, MW-12, MW-13, and MW-14 due to low to non-detectable analytical laboratory results of contaminants of concern or because the existing well was within the proximity of an approved abandoned well. ATLAS also requested approval, in a letter dated July 13, 2009, to abandon well BYA-7 because a viable replacement well had been installed. The six (6) groundwater monitoring wells were abandoned in September and a *Well Abandonment Activities* report, dated September 28, 2009, was submitted to the SARWQCB.

In response to the August 19, 2009, SARWQCB letter of correspondence concerning installation of ozone sparge points and the ozone sparge treatment system: ATLAS submitted the *Remedial Action Plan*, dated September 4, 2008, proposing an ozone sparge injection/treatment system and network installation. The *Remedial Action Plan* proposal was approved by the SARWQCB letter dated October 31, 2008. ATLAS anticipated starting the investigation during the 3rd Quarter 2010; however, due to the anticipated station redevelopment, the proposed treatment piping and the system enclosure installations will be conducted simultaneously with the development activities. In addition, due to the complete redevelopment of the facility and the neighboring off-site Circuit City property, and the City of Laguna Hills' street improvements, all associated wells on-site and off-site (except BYA-13 and BYA-31, located on the former Circuit City property) will be properly abandoned. In April and June 2011, all off-site wells located in the former Circuit City property (BYA-25 through BYA-30 and BYA-32 through BYA-34) and on-site wells KMW-14, BYA-8, and BYA-9 were abandoned. Subsequently, from October 31 to November 2, 2011, the remaining eleven (11) groundwater monitoring wells (BYA-7R, BYA-21 through BYA-24, IT-1, IT-2, and IT-4 through IT-7) and six (6) vapor extraction wells (VW-1 through VW-6) were abandoned. A well abandonment report dated December 6, 2011, was prepared and submitted to your office. Station redevelopment began in November 2011. In December 2011, five (5) USTs, the dispensers, and the associated product lines were removed and confirmation soil samples were collected. Details of the UST removal activities were described in the *Underground Storage Tank Removal Report*, dated February 29, 2012. In April 2012, ATLAS installed eight (8) groundwater monitoring wells and eighteen (18) sparge points. Details of the installation activities were reported in the *Well Installation Report*, dated October 4, 2012, and forwarded to your office for review. ATLAS anticipates that the Ozone treatment system tubing installation will be completed in December and system installation and system start-up to being in January 2013.

During this quarterly monitoring and sampling event (4th quarter 2012), ATLAS noticed an elevated concentration of TPHd was reported in the sample collected from well MW-18. A review of the historical data of samples collected from this well over time indicate that TPHd concentrations have not been an issue in the past which leads ATLAS to believe that there may have been either a field or laboratory error associated with the reported results. ATLAS is, therefore, concluding that the TPHd result reported in well MW-18 is anomalous. ATLAS will review the results from samples collected during the next quarterly event (1st quarter 2013) to evaluate if there is a new problem in this well.

ATLAS anticipates continuing groundwater monitoring, sampling, and reporting activities on a quarterly basis. If you have any questions, please contact me at (714) 890-7129.

Sincerely,
ATLAS ENVIRONMENTAL ENGINEERING, INC.

Karl H. Kerner, P.E.
Senior Engineer/Project Manager

cc: Ms. Liz Goff, G&M Oil Company (w/1 electronic)
Ms. Andrea A. Wing, Shell Oil Company (w/1 electronic)

G&M OIL COMPANY STATION #40
(FORMER WRIGHT PETROLEUM)
QUARTERLY STATUS REPORT
4TH QUARTER 2012
DECEMBER 4, 2012

SITE LOCATION:	23991 El Toro Road, Laguna Hills, CA
OWNER/OPERATOR:	G&M Oil Co., 16868 A Street, Huntington Beach, CA 92647
CONTACT:	Ms. Liz Goff
LEAD AGENCY:	Santa Ana Regional Water Quality Control Board
AGENCY CONTACT:	Ms. Nancy Olson-Martin (909) 782-4903
SARWQCB CASE #:	083000580T

Site Activities this Quarter

- Quarterly groundwater monitoring and sampling were performed on October 1, 2012.
- All associated wells were sampled this quarter.
- Approximately 512 gallons of groundwater were purged prior to sampling the wells using a vacuum truck for proper disposal by the generator.
- Co-ordinated sampling event with Shell Oil's environmental consultant.
- Free product was not observed in any of the wells during this event.
- Ethanol concentrations were not detected in any of the samples collected during this event.
- Based on the DTW measurements in each of the wells, the groundwater flow direction is primarily to the south (however, historically, the flow direction across the site has been variable).
- Preparation and submittal of the *Well Installation Report,* dated October 4, 2012.
- TPHd results from well MW-18 appear to be anomalous.

Future Site Activities

- Quarterly groundwater monitoring & sampling using available wells during the 1st quarter of 2013.
- Continued co-ordination with Shell Oil's environmental consultant.
- Continued Ozone sparge installation activities and system start-up.
- Review 1st quarter 2013 TPHd results from well MW-18 to evaluate off-site conditions.

Quarterly Summary

Total GW Monitoring Wells:	12		
GW Wells Gauged:	12		
GW Wells Sampled:	12		
Wells with Liquid Phase Hydrocarbons(LPH):	0		
Gallons of LPH Removed this Quarter:	0		
Gallons of LPH Removed to Date:	2		
Depth to Groundwater (feet):	9.73	to	17.90
Approximate Groundwater Elevation (feet):	345.53	to	348.34
Approximate Groundwater Gradient:	0.007		
Approximate Groundwater Flow Direction:	South		
Consistent with Last Quarter:	Yes		

Analytical Summary

Groundwater Analytical Results

TPHd Concentrations	(µ g/L):	<500	to	5,270**
TPHg Concentrations	(µ g/L):	<100	to	12100
Benzene Concentrations	(µ g/L):	<0.5	to	260
Toluene Concentrations	(µ g/L):	<0.5	to	113
Ethylbenzene Concentrations	(µ g/L):	<0.5	to	369
Total Xylenes Concentrations	(µ g/L):	<1	to	1,710
MTBE (EPA 8260B) Concentrations	(µ g/L):	<1	to	45.2
ETBE Concentrations	(µ g/L):	<1	to	<10
DIPE Concentrations	(µ g/L):	<1	to	<10
TAME Concentrations	(µ g/L):	<1	to	<10
TBA Concentrations	(µ g/L):	<10	to	5,100

** - Suspected anamoulous data; result is from well MW-18.

Remediation Summary

Method of Remediation Soil Vapor Extraction System / ATLAS GW MTU

Soil Vapor Extraction System

Type of Treatment System:	Thermal/Baker Model-500		
Hours of Operation this Quarter:	0.00		
Total Hours of Operation:	765.50		
Inlet Vapor Concentrations (ppm-v):	NA	to	NA
Flow Rate (cfm):	NA		
Hydrocarbon removed this quarter (lbs.):	0.00		
Total Hydrocarbons Removed (lbs.):	532.94		
In Compliance with AQMD Permit:	Yes		

Groundwater System

Type of Treatment System:	GAC
Groundwater Removed this Quarter (gal):	0.00
Total Groundwater Removed (gal):	5,675

Prepared by:

Carla Lee Hollowell
Project Scientist

Reviewed by:

Karl H. Kerner, P.E.
Senior Engineer

REGISTERED PROFESSIONAL ENGINEER
KARL HERMAN KERNER
No. C044021
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

Attachments:

Figures

Figure 1 - Site Vicinity Map
Figure 2 - Site Plan, Monitoring Wells
Figure 3 - Groundwater Elevation Contour Map
Figure 4 - TPHg Concentrations in Groundwater
Figure 5 - TPHd Concentrations in Groundwater
Figure 6 - Benzene Concentrations in Groundwater
Figure 7 - MTBE Concentrations in Groundwater
Figure 8 - TBA Concentrations in Groundwater
Figure 9 - Hours, Concentration, and TPH Removed Graph

Tables

Table 1 - Current Groundwater Monitoring Data
Table 2 - Historical Groundwater Monitoring Data
Table 3 - Additional Analytical Results
Table 4 - Soil Vapor Extraction & Treatment System Operating Data
Table 5 - Inlet Soil Vapor Analytical Results
Table 6 - Groundwater Monitoring and Sampling Plan

Appendix A

Project Status Reports
Available Waste Manifest
Groundwater Sampling Procedures

Appendix B

Laboratory Analytical Reports and Chain-of-Custody Documentation

Appendix C

Historical Groundwater Analytical Data (EarthTech)

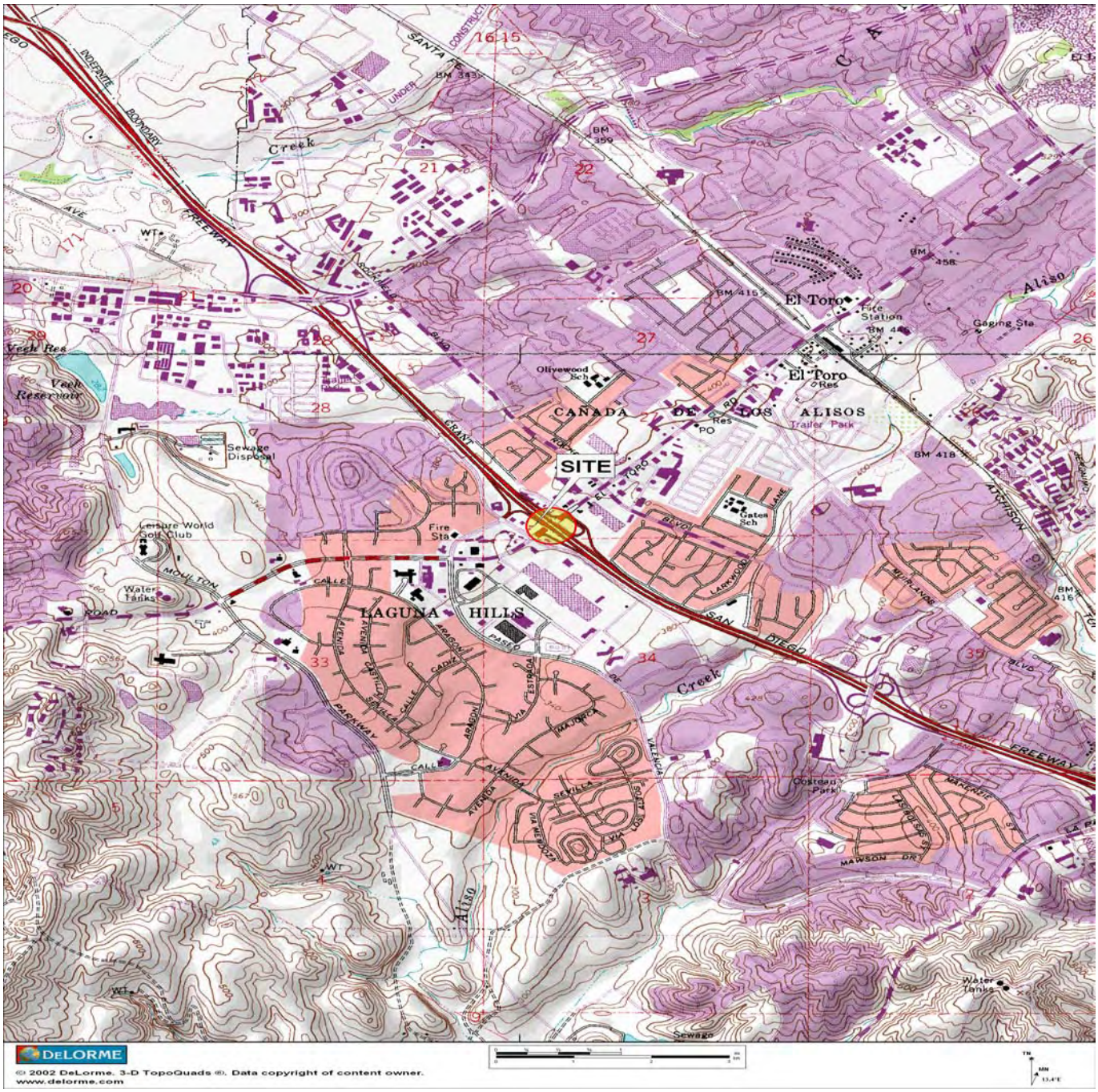
Appendix D

Current Groundwater Analytical Data for Shell Oil Co. site (Conestoga-Rovers & Associates)

Appendix E

New Survey Data

FIGURES



Map: 7.5' USGS Topographic Map San Juan Capistrano Quadrangle
Date: <1981> (photorevised 1989)
Scale: 1: 25000

Atlas Environmental Engineering, Inc.
3185 Airway Avenue
Suite D-1
Costa Mesa, CA 92626

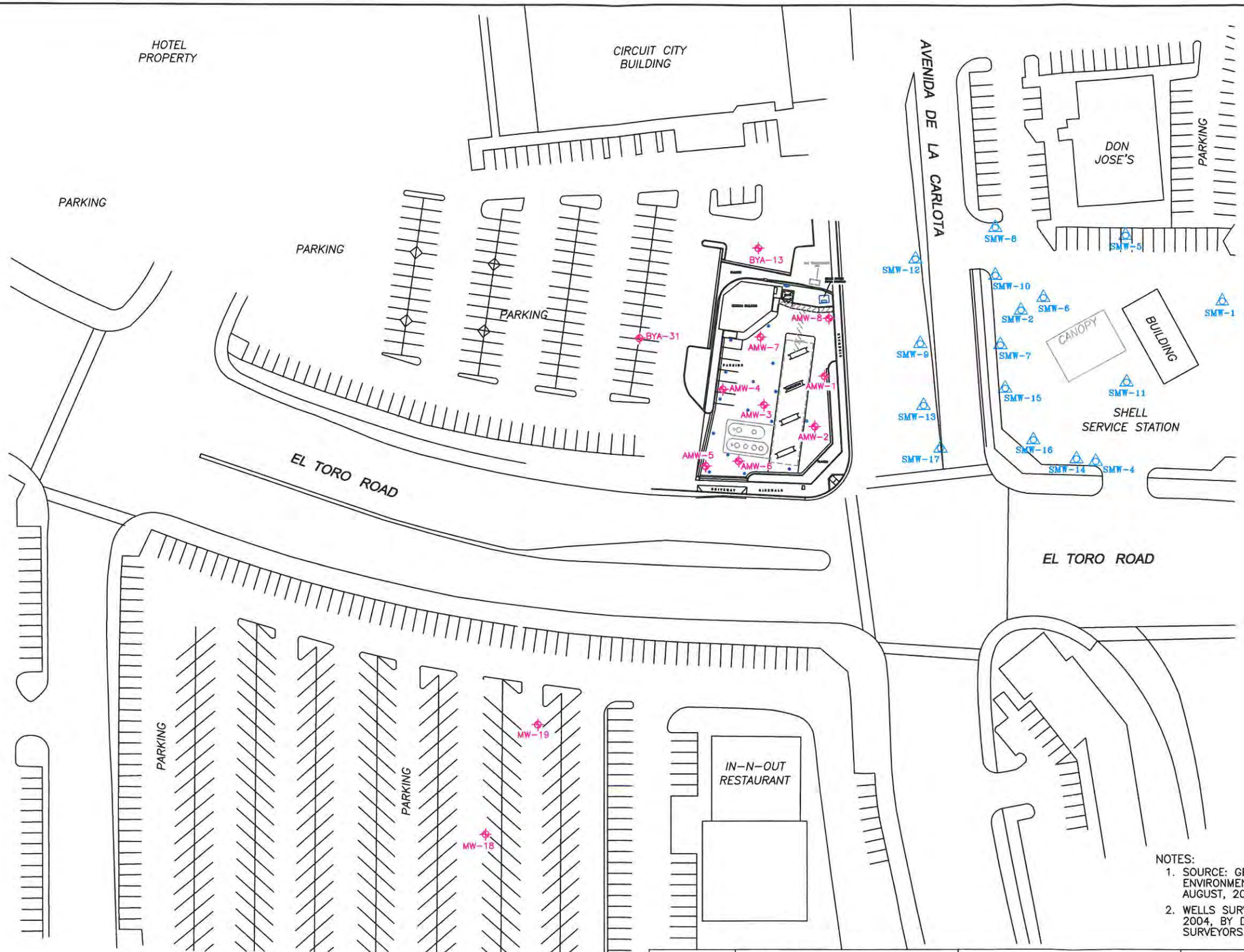
G&M OIL COMPANY STATION #40

23991 EL TORO ROAD
LAGUNA HILLS, CA

SITE VICINITY MAP

NORTH

FIGURE 1



NOTES:
1. SOURCE: GEOKINETICS GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS, MAP DATED AUGUST, 2003
2. WELLS SURVEYED ON OCTOBER 4 AND 5, 2004, BY DULIN AND BOYNTON LICENSED SURVEYORS.

LEGEND:

MW-19 GROUNDWATER MONITORING WELL

OZONE SPARGE POINT LOCATIONS

SMW-17 GROUNDWATER MONITORING WELL FOR SHELL STATION (QUARTERLY DATA PROVIDED BY CRA).

NORTH

Design By: EFD | Drawn By: EFD | Date: 11/14/2012

0 SCALE 90'
DIMENSIONS IN FEET

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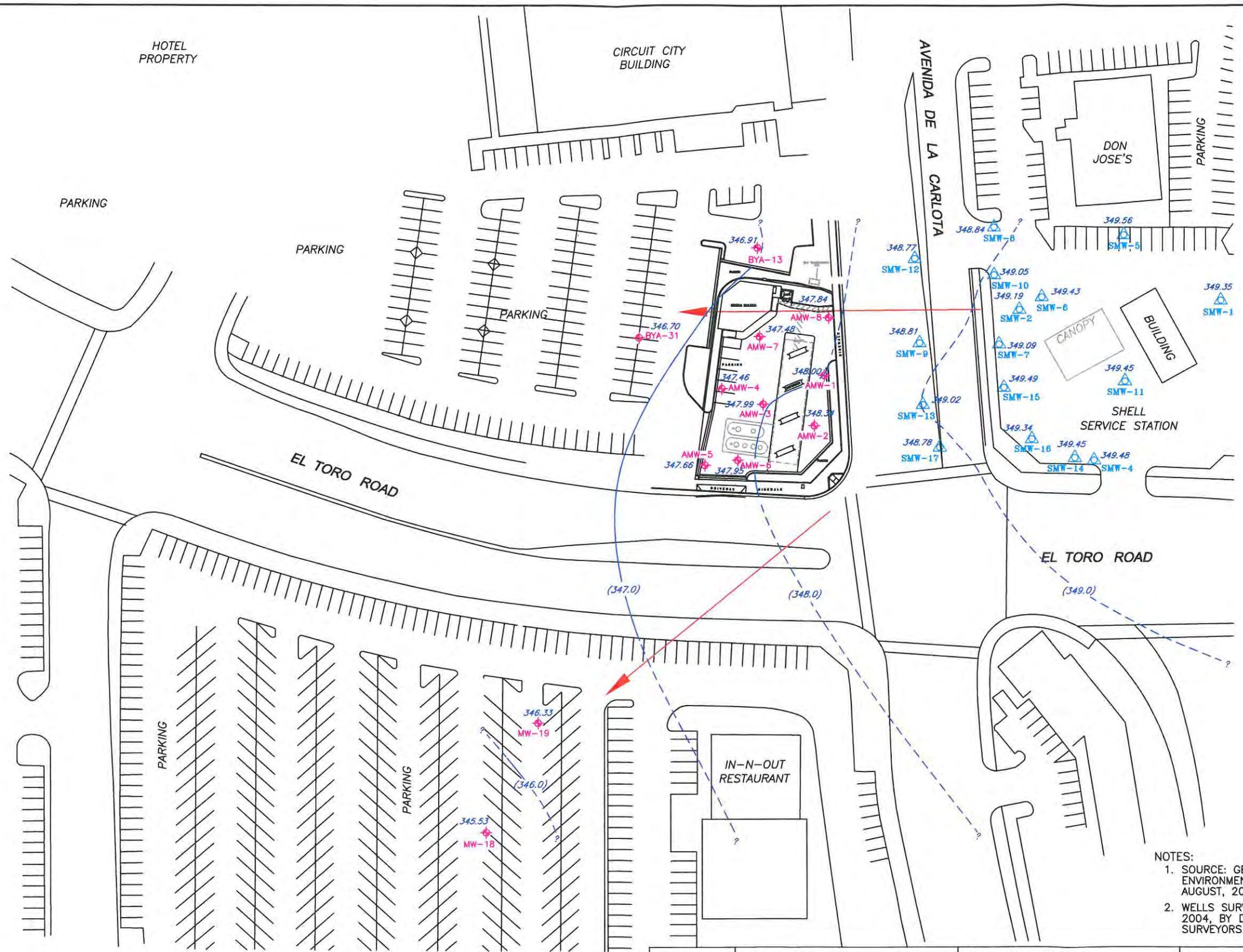
* Air/Water/Soil Permitting and Monitoring
* Site Assessment and Remediation
* Hazardous Waste Management
3185 AIRWAY AVENUE, SUITE D-1
COSTA MESA, CA 92626
PHONE: (714) 890-7129

G&M OIL COMPANY, INC.
STATION #40
(FORMER WRIGHT PETROLEUM SITE)
23991 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

WELL LOCATIONS

DRAWING NUMBER: G40312-38

FIGURE 2



NOTES:

1. SOURCE: GEOKINETICS GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS, MAP DATED AUGUST, 2003
2. WELLS SURVEYED ON OCTOBER 4 AND 5, 2004, BY DULIN AND BOYNTON LICENSED SURVEYORS.

LEGEND:

MW-19 GROUNDWATER MONITORING WELL

SMW-17 GROUNDWATER MONITORING WELL FOR SHELL STATION (QUARTERLY DATA PROVIDED BY CRA).

RED ARROW DENOTES ESTIMATED GROUNDWATER FLOW DIRECTION.

349.56 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (MSL), 10/01/2012

(349.0) GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MSL (DASHED WHERE INFERRED)

NM NOT MEASURED (PER CRA, MEASUREMENT DATE WAS DIFFERENT THAN OTHER SAMPLES).

NORTH

0 SCALE 90'
DIMENSIONS IN FEET

Design By: EFD | Drawn By: EFD | Date: 11/14/2012

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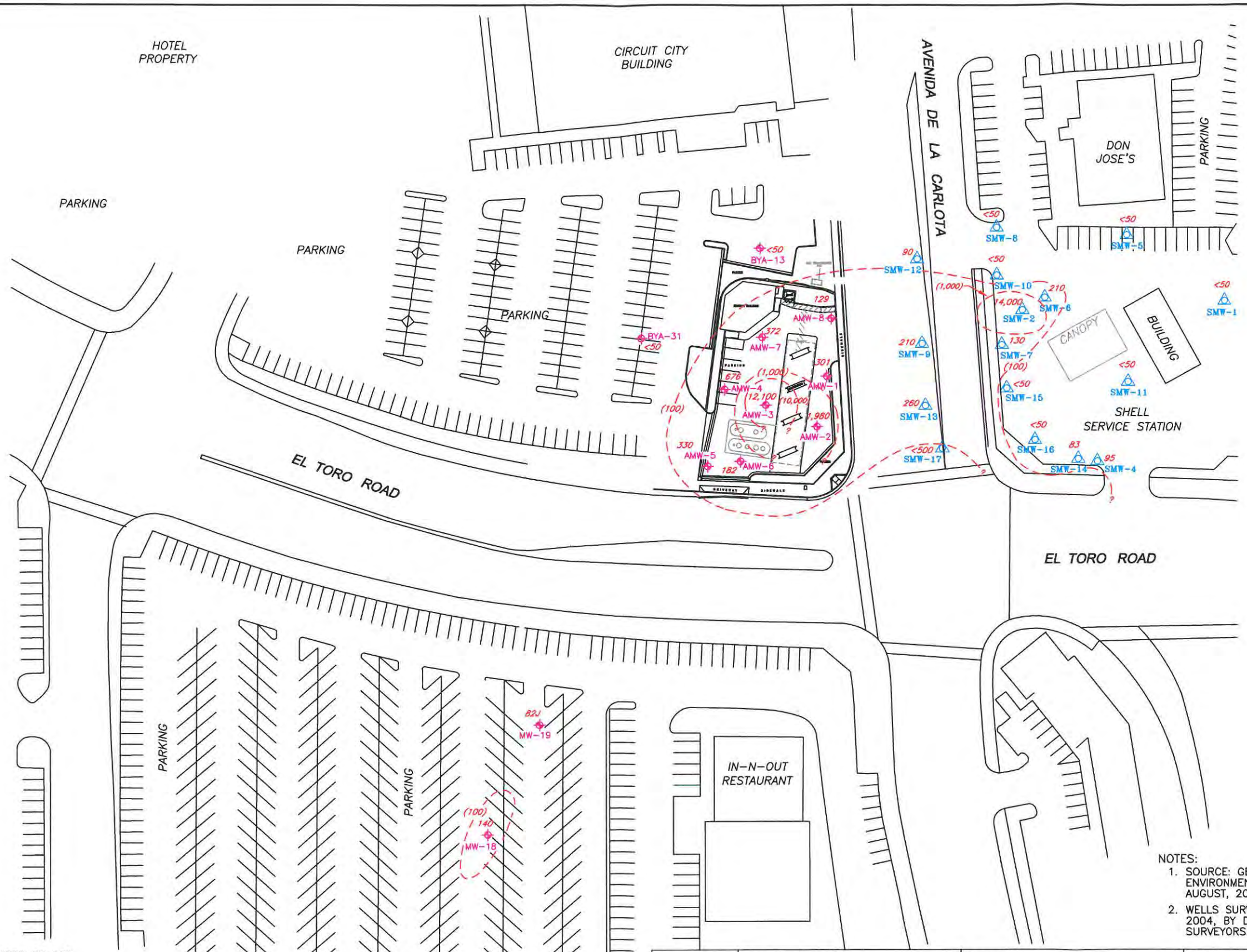
23991 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP

DRAWING NUMBER: G40312-38

FIGURE 3



NOTES:

1. SOURCE: GEOKINETICS GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS, MAP DATED AUGUST, 2003
2. WELLS SURVEYED ON OCTOBER 4 AND 5, 2004, BY DULIN AND BOYNTON LICENSED SURVEYORS.

LEGEND:

SHELL STATION RESULTS PROVIDED BY CRA.

MW-19 GROUNDWATER MONITORING WELL

SMW-17 GROUNDWATER MONITORING WELL FOR SHELL STATION (QUARTERLY DATA PROVIDED BY CRA).

12,100 TPHg CONCENTRATIONS IN PARTS PER BILLION (ppb), 10/01/2012

? (10,000) TPHg ISO-CONCENTRATION CONTOUR IN ppb (DASHED WHERE INFERRED)

J RESULT IS BETWEEN MDL AND PQL; TRACE

<50 LESS THAN THE LABORATORY DETECTION LIMIT

NORTH

0 SCALE 90'
DIMENSIONS IN FEET

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Design By: EFD | Drawn By: EFD | Date: 11/14/2012

G&M OIL COMPANY, INC.
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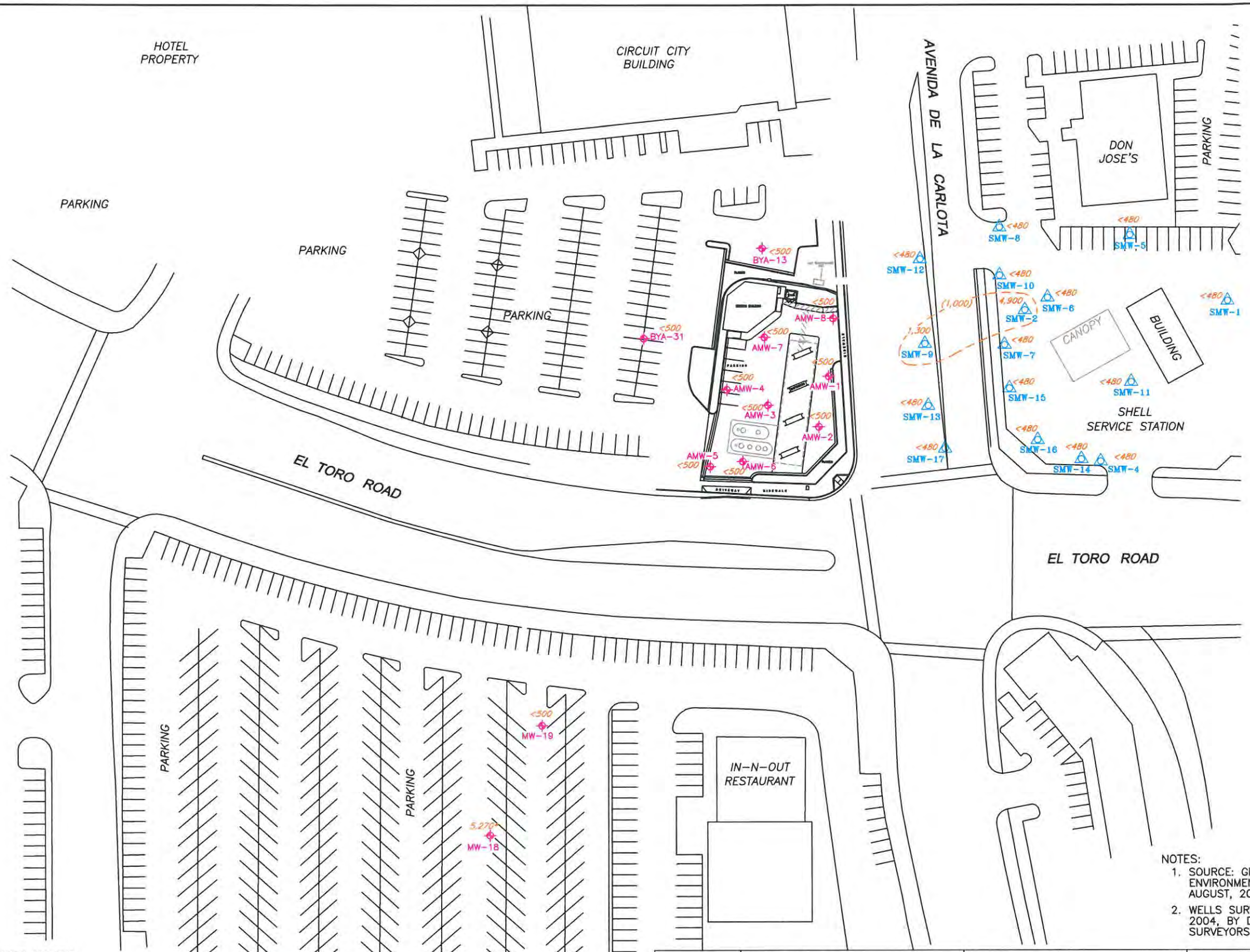
TPHg CONCENTRATIONS IN GROUNDWATER

DRAWING NUMBER: G40312-38

FIGURE 4



NOTES:

1. SOURCE: GEOKINETICS GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS, MAP DATED AUGUST, 2003
2. WELLS SURVEYED ON OCTOBER 4 AND 5, 2004, BY DULIN AND BOYNTON LICENSED SURVEYORS.

LEGEND:

SHELL STATION RESULTS PROVIDED BY CRA.

MW-19 GROUNDWATER MONITORING WELL

SMW-17 GROUNDWATER MONITORING WELL FOR SHELL STATION (QUARTERLY DATA PROVIDED BY CRA).

5,270 TPHd CONCENTRATIONS, IN PARTS PER BILLION (ppb), 10/01/2012

(1,000) TPHd ISO-CONCENTRATION CONTOUR IN ppb (DASHED WHERE INFERRED)

<500 LESS THAN THE LABORATORY DETECTION LIMIT

SUSPECTED ANAMOLOUS DATA RESULT NOT CONTOURED

NORTH

0 SCALE 90'
DIMENSIONS IN FEET

Design By: EFD | Drawn By: EFD | Date: 11/14/2012

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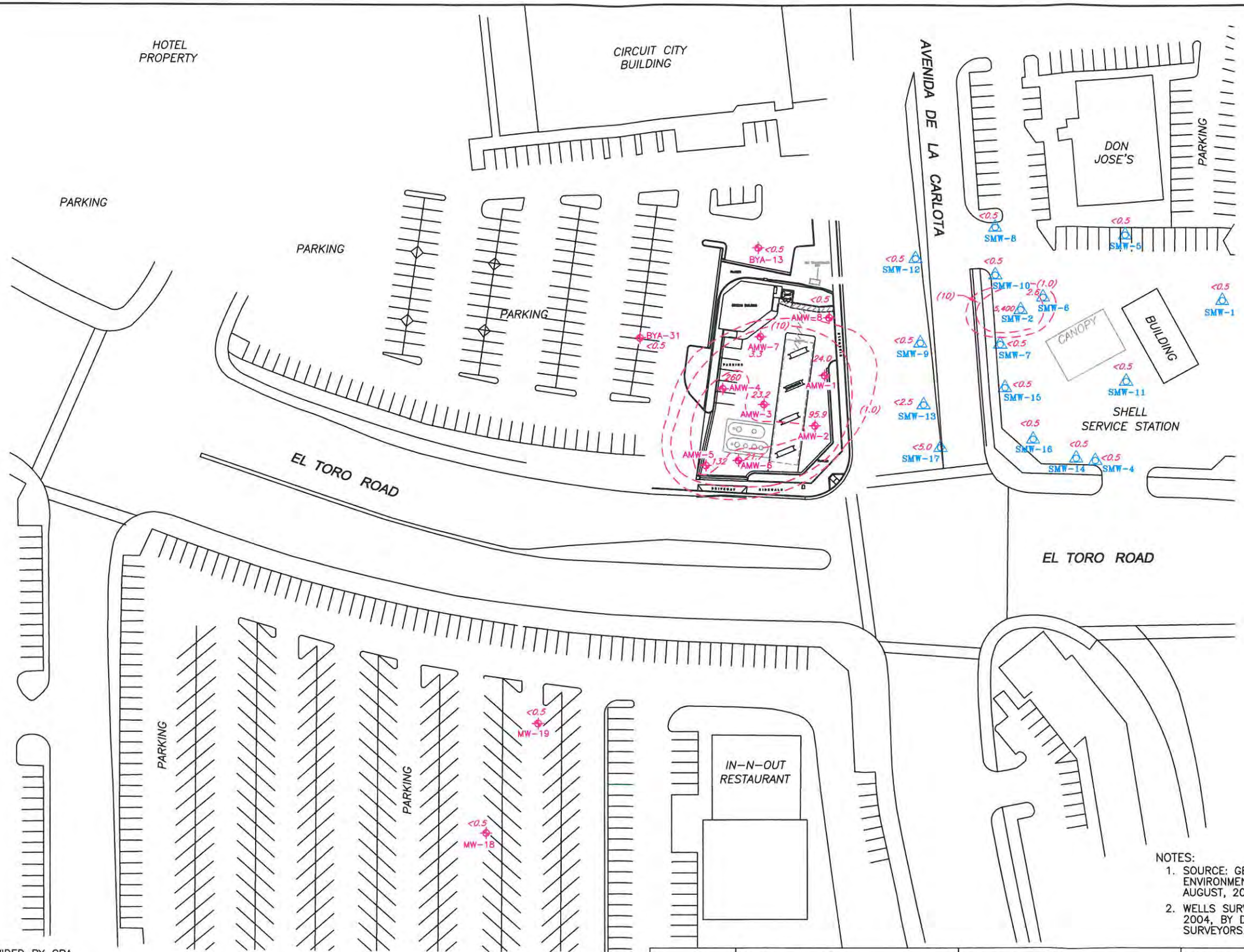
23991 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

TPHd CONCENTRATIONS IN GROUNDWATER

DRAWING NUMBER: G40312-38

FIGURE 5



NOTES:

1. SOURCE: GEOKINETICS GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS, MAP DATED AUGUST, 2003
2. WELLS SURVEYED ON OCTOBER 4 AND 5, 2004, BY DULIN AND BOYNTON LICENSED SURVEYORS.

LEGEND:

SHELL STATION RESULTS PROVIDED BY CRA.

MW-19 GROUNDWATER MONITORING WELL

SMW-17 GROUNDWATER MONITORING WELL FOR SHELL STATION (QUARTERLY DATA PROVIDED BY CRA).

260 BENZENE CONCENTRATIONS IN PARTS PER BILLION (ppb), 10/01/2012

? (100) BENZENE ISO-CONCENTRATION CONTOUR IN ppb (DASHED WHERE INFERRED)

<0.5 LESS THAN THE LABORATORY DETECTION LIMIT

NORTH

SCALE 0 – 90' DIMENSIONS IN FEET

Design By: EFD | Drawn By: EFD | Date: 11/14/2012

Atlas Environmental Engineering, Inc.
- Environmental Products and Services
- Air/Water/Soil Permitting and Monitoring
- Site Assessment and Remediation
- Hazardous Waste Management

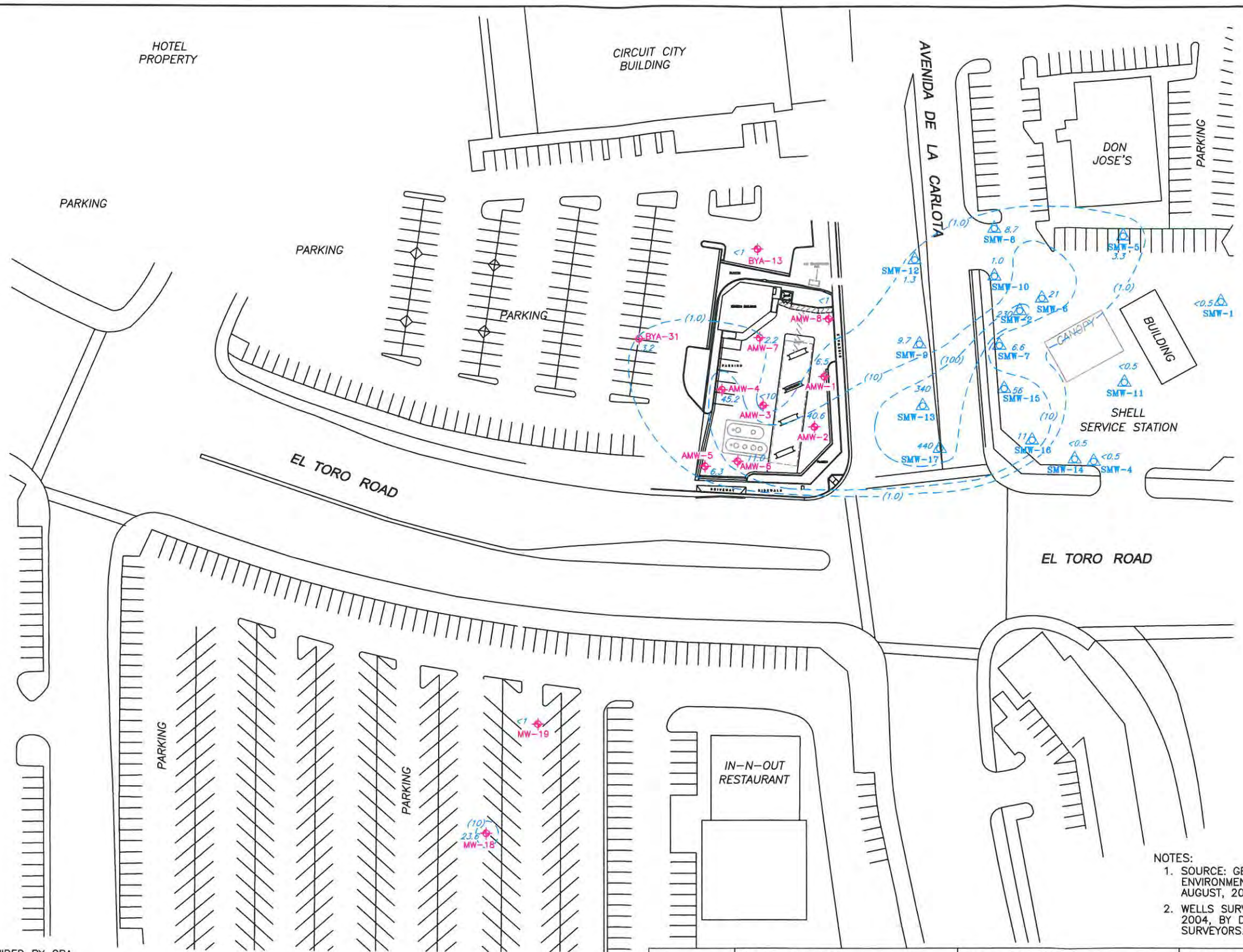
3185 AIRWAY AVENUE, SUITE D-1
COSTA MESA, CA 92626
PHONE: (714) 890-7129

G&M OIL COMPANY, INC.
STATION #40
(FORMER WRIGHT PETROLEUM SITE)
23991 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

BENZENE CONCENTRATIONS IN GROUNDWATER

DRAWING NUMBER: G40312-38

FIGURE 6



NOTES:

1. SOURCE: GEOKINETICS GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS, MAP DATED AUGUST, 2003
2. WELLS SURVEYED ON OCTOBER 4 AND 5, 2004, BY DULIN AND BOYNTON LICENSED SURVEYORS.

LEGEND:

SHELL STATION RESULTS PROVIDED BY CRA.

MW-19 GROUNDWATER MONITORING WELL

* OBTAINED FROM A HIGHER DILUTION ANALYSIS.

SMW-17 GROUNDWATER MONITORING WELL FOR SHELL STATION (QUARTERLY DATA PROVIDED BY CRA).

45.2 MTBE CONCENTRATIONS IN PARTS PER BILLION (ppb), 10/01/2012

? (10) MTBE ISO-CONCENTRATION CONTOUR IN ppb (DASHED WHERE INFERRED)

<1 LESS THAN THE LABORATORY DETECTION LIMIT

NORTH

0 SCALE 90'
DIMENSIONS IN FEET

Atlas ENVIRONMENTAL SERVICES, INC.
- Environmental Products and Services
- Air/Water/Soil Permitting and Monitoring
- Site Assessment and Remediation
- Hazardous Waste Management

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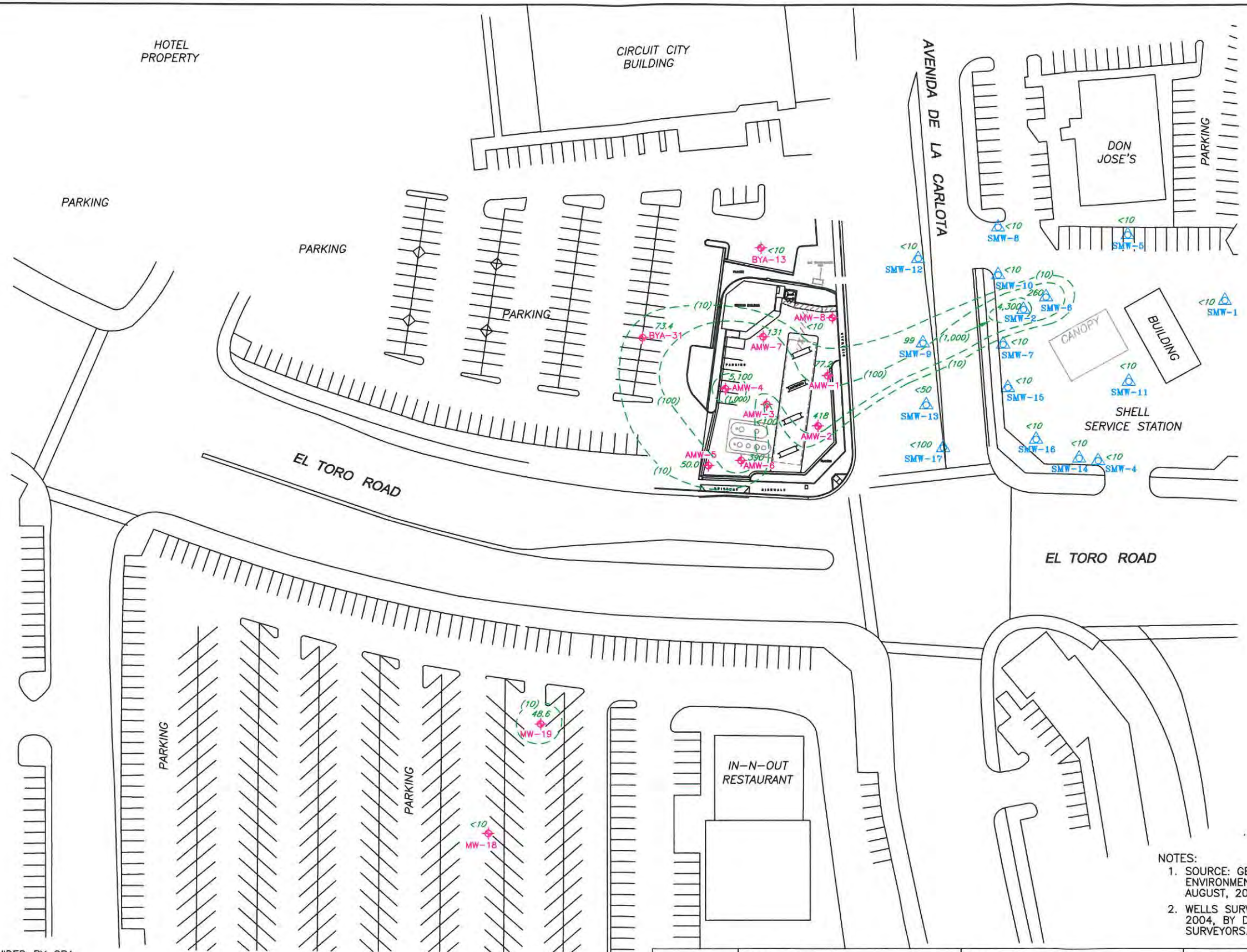
Design By: EFD | Drawn By: EFD | Date: 11/14/2012

G&M OIL COMPANY, INC.
STATION #40
(FORMER WRIGHT PETROLEUM SITE)
23991 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

MTBE CONCENTRATIONS IN GROUNDWATER

DRAWING NUMBER: G40312-38

FIGURE 7



NOTES:
1. SOURCE: GEOKINETICS GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS, MAP DATED AUGUST, 2003
2. WELLS SURVEYED ON OCTOBER 4 AND 5, 2004, BY DULIN AND BOYNTON LICENSED SURVEYORS.

LEGEND:

SHELL STATION RESULTS PROVIDED BY CRA.

MW-19 GROUNDWATER MONITORING WELL

SMW-17 GROUNDWATER MONITORING WELL FOR SHELL STATION (QUARTERLY DATA PROVIDED BY CRA).

5,100 TBA CONCENTRATIONS, IN PARTS PER BILLION (ppb), 10/01/2012

(1,000) TBA ISO-CONCENTRATION CONTOUR IN ppb (DASHED WHERE INFERRED)

<10 LESS THAN THE LABORATORY DETECTION LIMIT

NORTH

SCALE 0 90'
DIMENSIONS IN FEET

Design By: EFD | Drawn By: EFD | Date: 11/14/2012

Atlas Environmental, Inc.
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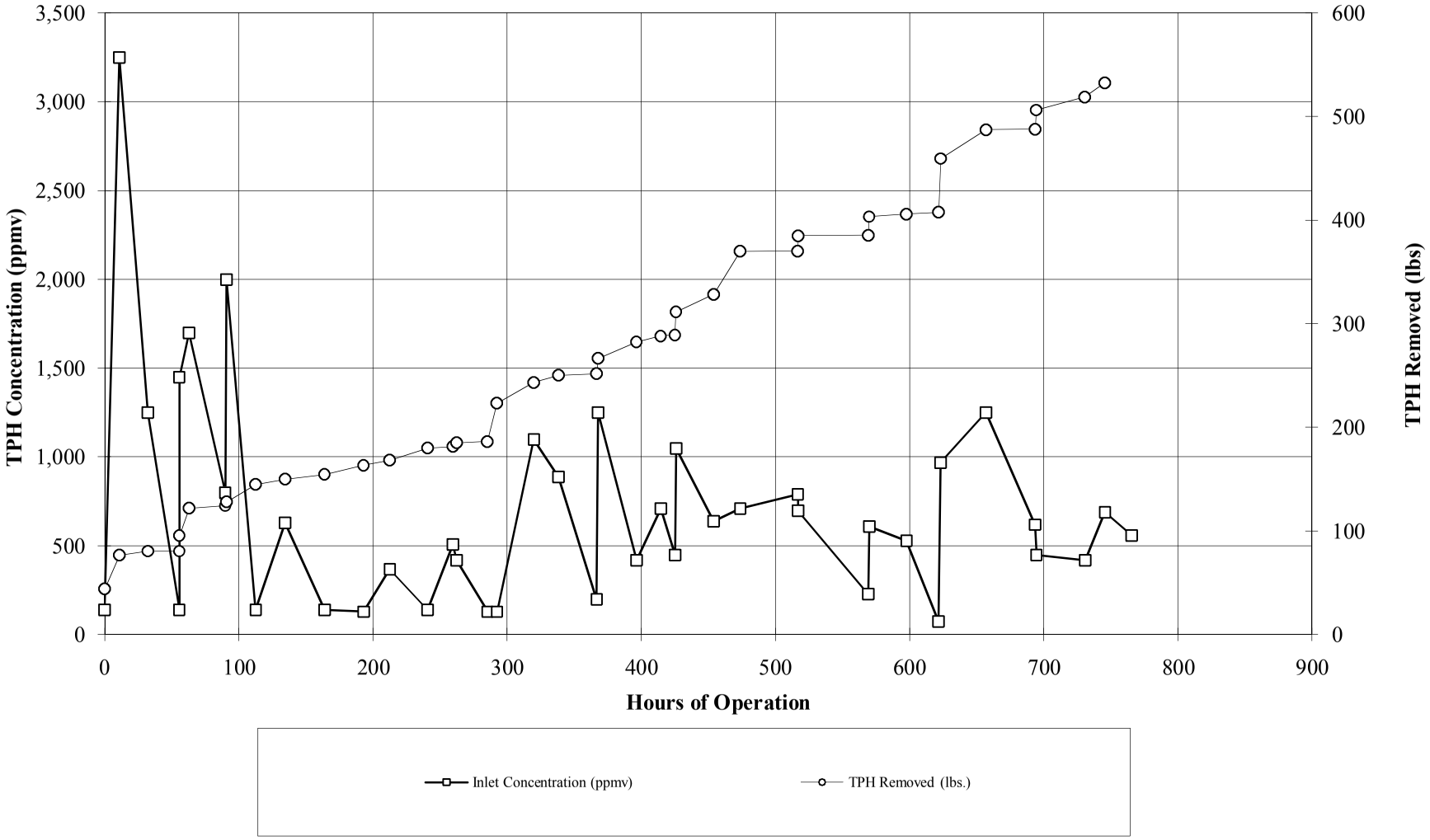
G&M OIL COMPANY, INC.
STATION #40
(FORMER WRIGHT PETROLEUM SITE)
23991 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

TBA CONCENTRATIONS IN GROUNDWATER

DRAWING NUMBER: G40312-38

FIGURE 8

Figure 9 - Hours, Concentration, and TPH Removed
G&M OIL COMPANY STATION #40



TABLES

TABLE 1 - CURRENT GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-13	10/1/2012	364.81	17.90	0.00	346.91	<50	<500	<0.5	1.7	0.6J	3.3	--	<1	<1	<1	<1	<10
BYA-31	10/1/2012	363.32	16.62	0.00	346.70	<50	<500	<0.5	1.6	0.5J	3.8	--	3.2	<1	<1	<1	73.4
MW-18	10/1/2012	355.26	9 .73	0.00	345.53	140	5270	<0.5	7.7	1.7	10.9	--	23.6	<1	<1	<1	<10
MW-19	10/1/2012	357.58	11.25	0.00	346.33	82J	<500	<0.5	16.2	3.9	26.4	--	<1	<1	<1	<1	48.6
AMW-1	10/1/2012	360.90	12.90	0.00	348.00	301	<500	24.0	3.8	18.5	21.6	--	6.5	<1	<1	<1	77.2
AMW-2	10/1/2012	360.54	12.20	0.00	348.34	1980	<500	95.9	113	78.2	232	--	40.6	<1	<1	<1	418
AMW-3	10/1/2012	360.29	12.30	0.00	347.99	12100	<500	23.2	24.9	369	1710	--	<10	<10	<10	<10	<100
AMW-4	10/1/2012	360.64	13.18	0.00	347.46	676	<500	260	2.6J	33.1	9.5J	--	45.2	<5	<5	<5	5100
AMW-5	10/1/2012	358.83	11.17	0.00	347.66	330	<500	132	3.6	22.2	7.2	--	6.3	<1	<1	<1	50.0
AMW-6	10/1/2012	359.17	11.22	0.00	347.95	182	<500	21.7	2.8	8.5	8.2	--	11.0	<1	<1	<1	390
AMW-7	10/1/2012	362.04	14.56	0.00	347.48	372	<500	3.3	<0.5	0.6J	3.8	--	2.2	<1	<1	<1	131
AMW-8	10/1/2012	361.65	13.81	0.00	347.84	129	<500	<0.5	1.1	<0.5	2.1	--	<1	<1	<1	<1	<10

SWE - Surveyed Well Elevation
DTW - Depth To Water
PT - Product Thickness (apparent)
E-Water - Groundwater elevation
c - Result confirmed by reanalysis
µg/L - Micrograms per Liter
-- - Not analyzed
p - pre-purge sample results

TPHg - Total Petroleum Hydrocarbons (gasoline) EPA 8015M
TPHd - Total Petroleum Hydrocarbons (diesel) EPA 8015M
MTBE - Methyl tert-Butyl ether
< - Less than laboratory detection limits
NA - Not Available
TAME - tert-Amyl Methyl ether
x - Gasoline range TPH are petroleum hydrocarbons in carbon range C-4C

DIPE - Di-isopropyl ether
ETBE - Ethyl tert-butyl ether
TBA - tert-Butyl Alcohol
LPH - Liquid-Phase Hydrocarbons
* - Sampled on Alternate Date
** - Obtained from a Higher Dilution
J - Concentration is between the RL and the MDL; trace concentration

TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-7	7/19/2005	360.88	9 .80	0.20	351.23	1900	670	9.9	19.1	18.0	131	--	5.1	<2	<2	<2	190
BYA-7	10/3/2005	360.88	9 .88	0.00	351.00	16000	2700	752	462	1160	6200	--	98.6	<20	<20	<20	324
BYA-7	1/9/2006	360.88	11.10	0.00	349.78	698000	60400	941	999	7600	36000	--	<200	<200	<200	<200	<1000
BYA-7	4/3/2006	360.88	11.21	0.00	349.67	9960	773	463	326	1030	4330	--	<10	<10	<10	<10	<50
BYA-7	7/10/2006	360.88	11.50	0.00	349.38	19000	9740	628	250	1480	4930	--	122	<20	<20	<20	405
BYA-7	10/9/2006	360.88	12.15	0.00	348.73	17600	13300	604	263	1520	5860	--	88.8	<20	<20	<20	259
BYA-7	1/8/2007	360.88	12.60	0.00	348.28	17800	767	616	168	1450	5870	--	78.9	<20	<20	<20	232
BYA-7	4/9/2007	360.88	13.23	0.00	347.65	13700	<500	579	70.7	922	3570	-	94.2	<10	<10	<10	460
BYA-7	7/9/2007	360.88	13.40	0.00	347.48	26200	<500	768	73.0	1160	4850	--	78.7	<10	<10	<10	307
BYA-7	10/8/2007	360.88	13.26	0.00	347.62	13800	<500	875	46.0	684	2970	--	130	<10	<10	<10	1260
BYA-7	1/28/2008	360.88	10.51	0.00	350.37	<50	<500	1.9	0.8J	<0.5	3.5	--	1.2J	<1	<1	<1	214
BYA-7	4/21/2008	360.88	11.87	0.00	349.01	195	<500	2.5	<0.5	1.4J	4.8	--	5.6	<1	<1	<1	796
BYA-7	7/7/2008	360.88	12.02	0.00	348.86	873	728	3.8	<0.5	2.4	8.1	--	14.3	<1	<1	<1	2110
BYA-7	10/3/2008	360.88	12.26	0.00	348.62	147	475	8.3	<1	2.9	11.9	--	13.1	<2	<2	<2	3290
BYA-7	1/21/2009	360.88	11.02	0.00	349.86	375	1780	5.1	<1	3.5	25.1	--	13.2	<2	<2	<2	2430
BYA-7	4/2/2009	360.88	11.61	0.00	349.27	223	1010	6.6	<0.5	5.2	15.7	--	8.4	<1	<1	<1	97.6
BYA-7	7/20/2009	360.88	--.	--	--	--	--	--	--	--	--	--	--	--	--	--	--

SWE - Surveyed Well Elevation
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µg/L - Micrograms per Liter
-- - Not analyzed
p - pre-purge sample results

TPHg - Total Petroleum Hydrocarbons (gasoline) EPA 8015M
TPHd - Total Petroleum Hydrocarbons (diesel) EPA 8015M
MTBE - Methyl tert-Butyl ether
< - Less than laboratory detection limits
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TAME - tert-Amyl Methyl ether
x - Gasoline range TPH are petroleum hydrocarbons in carbon range C-4C

DIPE - Di-isopropyl ether
ETBE - Ethyl tert-butyl ether
TBA - tert-Butyl Alcohol
LPH - Liquid-Phase Hydrocarbons
* - Sampled on Alternate Date
** - Obtained from a Higher Dilution
J - Concentration is between the RL and the MDL; trace concentration

TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-7	9/3/2009	ABAND.	--.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-7R	2/9/2009	NA	12.23	0.00	NA	15300	1560	4790	<10	854	700	--	1010	<20	<20	<20	7290
BYA-7R	4/2/2009	NA	12.77	0.00	NA	2080	804	64.1	<5	14.5	<10	--	57.3	<10	<10	<10	9850
BYA-7R	7/20/2009	NA	14.00	0.00	NA	501	<500	78.8	<1.25	3.6	<2.5	--	136	<2.5	<2.5	<2.5	6960
BYA-7R	10/20/2009	NA	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--
BYA-7R	1/26/2010	NA	13.82	0.00	NA	564	<500	95.8	<2.5	7.4	<5	--	47.8	<5	<5	<5	4430
BYA-7R	4/7/2010	NA	13.30	0.00	NA	721	<500	178	<2.5	14.5	<5	--	107	<5	<5	<5	9400
BYA-7R	7/7/2010	NA	13.71	0.00	NA	200	<500	11.1	3.3J	<2.5	<5	--	14.4	<5	<5	<5	9560
BYA-7R	10/18/2010	NA	14.47	0.00	NA	186	<500	9.0J	<5	<5	<10	--	17.5J	<10	<10	<10	11200
BYA-7R	1/13/2011	NA	11.56	0.00	NA	794	<500	288	1.7J	24.5	6.6	--	107	<2	<2	<2	5800
BYA-7R	4/11/2011	NA	11.34	0.00	NA	301	<500	11.9	<2.5	<2.5	<5	--	17.8	<5	<5	<5	6020
BYA-7R	7/12/2011	NA	12.30	0.00	NA	397	<500	119	<2.5	14.5	7.8J	--	59.7	<5	<5	<5	3610
BYA-7R	10/6/2011	N/A	12.46	0.00	NA	692	<500	286**	1.5J	15.4	9.4	--	83.5	<2	<2	<2	6130**
BYA-8	7/19/2005	363.20	11.52	0.00	351.68	220	<500	<1	6.4	1.7	14.4	--	<2	<2	<2	<2	<10
BYA-8	10/3/2005	363.20	12.08	0.00	351.12	<50	<500	<1	1.3	<1	<2	--	<2	<2	<2	<2	<10
BYA-8	1/9/2006	363.20	12.90	0.00	350.30	<50	<500	<1	1.1	<1	2.4	--	<2	<2	<2	<2	<10
BYA-8	4/3/2006	363.20	13.12	0.00	350.08	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10

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c - Result confirmed by reanalysis
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LPH - Liquid-Phase Hydrocarbons
* - Sampled on Alternate Date
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J - Concentration is between the RL and the MDL; trace concentration

TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-8	7/10/2006	363.20	13.32	0.00	349.88	56.8	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-8	10/9/2006	363.20	13.86	0.00	349.34	66.0	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-8	1/8/2007	363.20	14.49	0.00	348.71	52.6	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-8	4/9/2007	363.20	14.72	0.00	348.48	<50	<500	<0.5	<0.5	<0.5	<1	--	2.2	<1	<1	<1	<10
BYA-8	7/9/2007	363.20	14.84	0.00	348.36	<50	<500	<0.5	<0.5	<0.5	<1	--	1.8J	<1	<1	<1	<10
BYA-8	10/8/2007	363.20	14.77	0.00	348.43	<50	<500	<0.5	<0.5	<0.5	<1	--	1.6J	<1	<1	<1	<10
BYA-8	1/28/2008	363.20	14.90	0.00	348.30	<50	<500	<0.5	1.0	<0.5	3.3	--	<1	<1	<1	<1	<10
BYA-8	4/21/2008	363.20	13.58	0.00	349.62	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-8	7/7/2008	363.20	13.65	0.00	349.55	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-8	10/3/2008	363.20	13.99	0.00	349.21	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-8	1/21/2009	363.20	13.20	0.00	350.00	85	<500	<0.5	<0.5	0.6J	4.4	--	<1	<1	<1	<1	<10
BYA-8	4/2/2009	363.20	13.37	0.00	349.83	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-8	7/20/2009	363.20	14.16	0.00	349.04	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-8	10/20/2009	363.20	14.82	0.00	348.38	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-8	1/26/2010	363.20	14.22	0.00	348.98	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-8	4/7/2010	363.20	14.02	0.00	349.18	<50	560J	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-8	7/7/2010	363.20	14.51	0.00	348.69	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10

SWE - Surveyed Well Elevation
DTW - Depth To Water
PT - Product Thickness (apparent)
E-Water - Groundwater elevation
c - Result confirmed by reanalysis
µg/L - Micrograms per Liter
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p - pre-purge sample results

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* - Sampled on Alternate Date
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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-8	10/18/2010	363.20	15.00	0.00	348.20	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-8	1/13/2011	363.20	12.54	0.00	350.66	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-8	4/11/2011	363.20	12.42	0.00	350.78	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-8	7/12/2011	363.20	NA	0.00	NA	--	--	WELL	--	REMOVED	--	--	--	--	--	--	--
BYA-9	7/19/2005	362.41	10.79	0.00	351.62	358	<500	34.2	6.3	2.1	12.9	--	27.1	<2	<2	<2	4190
BYA-9	10/3/2005	362.41	11.35	0.00	351.06	267	<500	30.2	3.7	1.3J	4.9	--	80.6	<2	<2	<2	5760
BYA-9	1/9/2006	362.41	12.17	0.00	350.24	137	<500	3.9	<1	2.0	9.0	--	<2	<2	<2	<2	1070
BYA-9	4/3/2006	362.41	12.28	0.00	350.13	978	<500	412*	3.4	3.9	8.9	--	19.1	<2	<2	<2	1690
BYA-9	7/10/2006	362.41	12.60	0.00	349.81	582	<500	227	<2	<2	<4	--	<4	<4	<4	<4	868
BYA-9	10/9/2006	362.41	12.91	0.00	349.50	582	<500	262	<2	<2	<4	--	19.5	<4	<4	<4	475
BYA-9	1/8/2007	362.41	13.55	0.00	348.86	564	<500	60.8	<1	<1	<2	--	18.0	<2	<2	<2	362
BYA-9	4/9/2007	362.41	13.83	0.00	348.58	525	635	156	1.6	1.1	2.6	--	10.3	<1	1.1J	<1	175
BYA-9	7/9/2007	362.41	13.94	0.00	348.47	1080	<500	122	2.2	1.5	3.4	--	22.3	<1	<1	<1	152
BYA-9	10/8/2007	362.41	13.85	0.00	348.56	504	<500	137	<0.5	<0.5	<1	--	13.2	<1	<1	<1	145
BYA-9	1/28/2008	362.41	12.26	0.00	350.15	892	<500	94.7	1.5	0.6J	2.9	--	20.2	<1	<1	<1	93.4
BYA-9	4/21/2008	362.41	12.76	0.00	349.65	63	<500	13.3	3.1	0.7J	6.0	--	7.5	<1	<1	<1	226
BYA-9	7/7/2008	362.41	12.80	0.00	349.61	64	<500	5.2	<0.5	<0.5	<1	--	2.8	<1	<1	<1	145

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-9	10/3/2008	362.41	13.10	0.00	349.31	<50	<500	3.4	<0.5	<0.5	<1	--	5.4	<1	<1	<1	303
BYA-9	1/21/2009	362.41	12.35	0.00	350.06	<50	<500	1.3	<0.5	<0.5	3.3	--	2.9	<1	<1	<1	71.7
BYA-9	4/2/2009	362.41	12.58	0.00	349.83	<50	<500	1.1	<0.5	<0.5	1.9J	--	8.9	<1	<1	<1	43.8
BYA-9	7/20/2009	362.41	13.35	0.00	349.06	<50	<500	1.2	<0.5	<0.5	<1	--	3.8	<1	<1	<1	77.3
BYA-9	10/20/2009	362.41	14.00	0.00	348.41	87J	<500	0.7J	<0.5	<0.5	1.0J	--	4.0	<1	<1	<1	61.6
BYA-9	1/26/2010	362.41	13.28	0.00	349.13	<50	<500	2.5	<0.5	<0.5	<1	--	3.3	<1	<1	<1	43.8
BYA-9	4/7/2010	362.41	13.22	0.00	349.19	<50	<500	<0.5	<0.5	<0.5	<1	--	2.7	<1	<1	<1	56.1
BYA-9	7/7/2010	362.41	13.77	0.00	348.64	<50	<500	7.5	<0.5	<0.5	<1	--	1.9J	<1	<1	<1	53.1
BYA-9	10/18/2010	362.41	14.15	0.00	348.26	<50	<500	4.5	<0.5	<0.5	<1	--	4.6	<1	<1	<1	37.0
BYA-9	1/13/2011	362.41	11.74	0.00	350.67	52J	<500	3.8	<0.5	<0.5	<1	--	2.4	<1	<1	<1	27.6
BYA-9	4/11/2011	362.41	11.68	0.00	350.73	56J	<500	7.8	<0.5	<0.5	<1	--	1.0J	<1	<1	<1	28.9
BYA-9	7/12/2011	362.41	NA	0.00	NA	--	--	WELL	--	REMOVED	--	--	--	--	--	--	--
BYA-10	7/19/2005	359.13	10.12	0.00	349.01	--	--	--	--	--	--	--	--	--	--	--	--
BYA-10	10/3/2005	359.13	10.60	0.00	348.53	<50	<500	<1	1.5	<1	2.6	--	<2	<2	<2	<2	<10
BYA-10	1/9/2006	359.13	11.30	0.00	347.83	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-10	4/3/2006	359.13	12.50	0.00	346.63	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-10	7/10/2006	359.13	11.70	0.00	347.43	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-10	10/9/2006	359.13	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--
BYA-10	1/8/2007	359.13	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--
BYA-10	4/9/2007	359.13	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--
BYA-10	10/8/2007	359.13	12.96	0.00	346.17	<50	<500	<0.5	<0.5	<0.5	<1	--	1.2J	<1	<1	<1	<10
BYA-10	1/28/2008	359.13	12.26	0.00	346.87	<50	<500	<0.5	0.6J	<0.5	2.2	--	1.1J	<1	<1	<1	<10
BYA-10	4/22/2008	359.13	11.98	0.00	347.15	<50	<500	<0.5	0.8J	<0.5	1.2J	--	<1	<1	<1	<1	<10
BYA-10	7/7/2008	359.13	12.09	0.00	347.04	<50	<500	<0.5	<0.5	<0.5	<1	--	1.4J	<1	<1	<1	<10
BYA-10	10/3/2008	359.13	12.63	0.00	346.50	<50	<500	<0.5	<0.5	<0.5	<1	--	0.8J	<1	<1	<1	<10
BYA-10	1/21/2009	359.13	11.52	0.00	347.61	--	--	--	--	--	--	--	--	--	--	--	--
BYA-10	4/2/2009	359.13	11.80	0.00	347.33	--	--	--	--	--	--	--	--	--	--	--	--
BYA-10	9/3/2009	ABAND.	--.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-11	7/19/2005	360.28	11.10	0.00	349.18	458	1400	14.3	15.3	6.8	32.9	--	5.0	<2	<2	<2	497
BYA-11	10/3/2005	360.28	11.52	0.00	348.76	79.1	<500	7.2	2.3	1.8	3.4	--	<2	<2	<2	<2	<10
BYA-11	1/9/2006	360.28	12.18	0.00	348.10	200	<500	2.0	1.0	<1	3.5	--	<2	<2	<2	<2	<10
BYA-11	4/3/2006	360.28	11.44	0.00	348.84	211	<500	52.1	<1	1.8	<2	--	<2	<2	<2	<2	<10
BYA-13	7/19/2005	365.38	13.80	FILM	351.58	419	7460	5.6	11.6	2.9	19.4	--	<2	<2	<2	<2	175
BYA-13	10/3/2005	365.38	14.75	0.00	350.63	2350	24600	2.5	4.1	1.6	9.9	--	<2	<2	<2	<2	107

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G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-13	1/9/2006	365.38	15.46	0.00	349.92	<50	<500	<1	1.3	<1	2.7	--	<2	<2	<2	<2	169
BYA-13	4/3/2006	365.38	15.63	0.00	349.75	1970	8500	329	<2	21.9	28.0	--	<4	<4	<4	<4	116
BYA-13	7/10/2006	365.38	15.78	0.00	349.60	3690	18700	259	<4	18.3	13.7	--	<4	<4	4	<4	53.4
BYA-13	10/9/2006	365.38	16.56	0.00	348.82	101	571	2.3	<1	<1	<2	--	2.1	<2	<2	<2	84.2
BYA-13	1/8/2007	365.38	17.04	0.00	348.34	128	2340	17.1	<1	1.0	<2	--	<2	<2	<2	<2	88.3
BYA-13	4/9/2007	365.38	16.56	0.00	348.82	189	1460	6.4	<0.5	0.8J	<1	--	1.8J	<1	<1	<1	123
BYA-13	7/9/2007	365.38	17.93	0.03	347.47	<50	942	0.4J	<0.5	<0.5	<1	--	1.4J	<1	<1	<1	58.6
BYA-13	10/8/2007	365.38	17.60	FILM	347.78	2910	43300	0.7J	0.6J	<0.5	<1	--	1.6J	<1	<1	<1	61.1
BYA-13	1/28/2008	365.38	18.11	0.02	347.29	7070	270000	7.0	<1.25	<1.25	<2.5	--	3.5J	<2.5	<2.5	<2.5	107
BYA-13	4/22/2008	365.38	15.30	0.00	350.08	<50	691	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	80.6
BYA-13	7/7/2008	365.38	16.58	0.00	348.80	<50	975	<0.5	<0.5	<0.5	<1	--	1.4J	<1	<1	<1	80.3
BYA-13	10/3/2008	365.38	16.72	0.00	348.66	<50	705	<0.5	<0.5	<0.5	<1	--	4.6	<1	<1	<1	60.8
BYA-13	1/21/2009	365.38	16.26	0.00	349.12	<50	2000	3.4	<0.5	<0.5	1.6J	--	1.4J	<1	<1	<1	28.6
BYA-13	4/2/2009	365.38	16.06	0.00	349.32	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	25.4
BYA-13	7/20/2009	365.38	17.02	0.00	348.36	<50	<500	<0.5	<0.5	<0.5	<1	--	1.7J	<1	<1	<1	55.7
BYA-13	10/20/2009	365.38	17.84	0.04	347.57	LPH	--	--	--	--	--	--	--	--	--	--	--
BYA-13	1/26/2010	365.38	18.45	0.00	346.93	89J	4140	<0.5	<0.5	<0.5	<1	--	1.8J	<1	<1	<1	16.5J

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LAGUNA HILLS, CA

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Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-13	4/7/2010	365.38	16.60	0.00	348.78	56J	8090	<0.5	<0.5	<0.5	<1	--	1.2J	<1	<1	<1	13.1J
BYA-13	7/7/2010	365.38	17.50	0.00	347.88	<50	1150	<0.5	<0.5	<0.5	<1	--	1.3J	<1	<1	<1	27.1
BYA-13	10/18/2010	365.38	17.97	0.02	347.43	<50	1240	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	15.7J
BYA-13	1/13/2011	365.38	15.08	0.00	350.30	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-13	4/11/2011	365.38	14.91	0.00	350.47	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-13	7/12/2011	365.38	15.62	0.00	349.76	<50	552J	<0.5	<0.5	<0.5	2.2	--	<1	<1	<1	<1	<10
BYA-13	10/6/2011	365.38	16.40	0.00	348.98	<50	552J	0.5J	<0.5	<0.5	3.6	--	<1	<1	<1	<1	<10
BYA-13	1/23/2012	365.38	17.10	0.00	348.28	318	2630	6.1	16.1	16.1	67.2	--	2.0	<1	<1	<1	29.2
BYA-13	4/10/2012	365.38	17.38	0.00	348.00	<100	1780	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-13	7/2/2012	364.81	17.55	0.00	347.26	<50	1200	<0.5	<0.5	<0.5	2.4	--	<1	<1	<1	<1	<10
BYA-13	10/1/2012	364.81	17.90	0.00	346.91	<50	<500	<0.5	1.7	0.6J	3.3	--	<1	<1	<1	<1	<10
BYA-14	7/19/2005	NA	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--
BYA-15	7/19/2005	NA	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--
BYA-21	7/19/2005	361.99	10.65	0.00	351.34	249	<500	<1	10.6	2.7	20.2	--	4.1	<2	<2	<2	734
BYA-21	10/3/2005	361.99	11.20	0.00	350.79	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	1340
BYA-21	1/9/2006	361.99	12.00	0.00	349.99	<50	<500	<1	<1	<1	<2	--	2.4	<2	<2	<2	176
BYA-21	4/3/2006	361.99	12.12	0.00	349.87	<50	<500	<1	<1	<1	<2	--	9.0	<2	<2	<2	257

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BYA-21	7/10/2006	361.99	12.32	0.00	349.67	147	632	<1	<1	<1	<2	--	4.7	<2	<2	<2	188
BYA-21	10/9/2006	361.99	13.03	0.00	348.96	400	2480	<1	<1	<1	<2	--	5.4	<2	<2	<2	192
BYA-21	1/8/2007	361.99	13.66	0.00	348.33	<50	<500	<1	<1	<1	<2	--	3.3	<2	<2	<2	92.2
BYA-21	4/9/2007	361.99	14.12	0.00	347.87	62.7	<500	<0.5	<0.5	<0.5	<1	--	2.2	<1	<1	<1	80.1
BYA-21	7/9/2007	361.99	14.16	0.00	347.83	<50	<500	<0.5	<0.5	<0.5	<1	--	1.6J	<1	<1	<1	73.8
BYA-21	10/8/2007	361.99	14.16	0.00	347.83	15700	26200	<1	<1	<1	<2	--	1.1J	<2	<2	<2	58.8
BYA-21	1/28/2008	361.99	13.04	0.00	348.95	<50	1150	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	168
BYA-21	4/22/2008	361.99	12.78	0.00	349.21	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	82.6
BYA-21	7/7/2008	361.99	12.96	0.00	349.03	<50	606	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	149
BYA-21	10/3/2008	361.99	13.12	0.00	348.87	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	39.1
BYA-21	1/21/2009	361.99	12.06	0.00	349.93	<50	754	<0.5	<0.5	0.7J	5.5	--	<1	<1	<1	<1	177
BYA-21	4/2/2009	361.99	12.55	0.00	349.44	<50	1020	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	156
BYA-21	7/20/2009	361.99	13.45	0.00	348.54	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	65.4
BYA-21	10/20/2009	361.99	14.50	0.00	347.49	90J	<500	<0.5	<0.5	<0.5	<1	--	6.2	<1	<1	<1	79.5
BYA-21	1/26/2010	361.99	13.50	0.00	348.49	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	26.8
BYA-21	4/7/2010	361.99	13.15	0.00	348.84	<50	935	<0.5	<0.5	<0.5	<1	--	2.0	<1	<1	<1	68.8
BYA-21	7/7/2010	361.99	13.65	0.00	348.34	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	94.5

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TPHg - Total Petroleum Hydrocarbons (gasoline) EPA 8015M
TPHd - Total Petroleum Hydrocarbons (diesel) EPA 8015M
MTBE - Methyl tert-Butyl ether
< - Less than laboratory detection limits
NA - Not Available
TAME - tert-Amyl Methyl ether
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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-21	10/18/2010	361.99	14.28	0.00	347.71	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	44.8
BYA-21	1/13/2011	361.99	11.55	0.00	350.44	200	9870	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	47.9
BYA-21	4/11/2011	361.99	11.50	0.00	350.49	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	73.9
BYA-21	7/12/2011	361.99	12.03	0.00	349.96	<50	3240	<0.5	<0.5	<0.5	2.2	--	<1	<1	<1	<1	67.6
BYA-21	10/6/2011	361.99	12.67	0.00	349.32	58J	3240	<0.5	<0.5	<0.5	2.0	--	<1	<1	<1	<1	120
BYA-22	7/19/2005	361.70	11.15	0.00	350.55	205	<500	<1	<1	<1	2.4	--	3.3	<2	<2	<2	3000
BYA-22	10/3/2005	361.70	11.95	0.00	349.75	212	<500	<1	<1	<1	2.0	--	3.7	<2	<2	<2	6170
BYA-22	1/9/2006	361.70	11.60	0.00	350.10	61.3	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	1900
BYA-22	4/3/2006	361.70	11.52	0.00	350.18	223	<500	26.0	<1	<1	<2	--	25.7	<2	<2	<2	2790
BYA-22	7/10/2006	361.70	12.00	0.00	349.70	322	1810	9.6	<1	<1	<2	--	18.8	<2	<2	<2	1670
BYA-22	10/9/2006	361.70	12.69	0.00	349.01	150	856	<1	<1	<1	<2	--	13.5	<2	<2	<2	1480
BYA-22	1/8/2007	361.70	13.22	0.00	348.48	227	<500	<1	<1	<1	<2	--	12.1	<2	<2	<2	1930
BYA-22	4/9/2007	361.70	13.80	0.00	347.90	344	<500	7.5	<0.5	<0.5	<1	--	8.5	<1	<1	<1	72.3
BYA-22	7/9/2007	361.70	13.78	0.00	347.92	332	<500	1.5	<0.5	<0.5	<1	--	10.2	<1	<1	<1	1180
BYA-22	10/8/2007	361.70	13.78	0.00	347.92	533	<500	1.3	<0.5	<0.5	<1	--	9.0	<1	<1	<1	1660
BYA-22	1/28/2008	361.70	12.12	0.00	349.58	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	678
BYA-22	4/21/2008	361.70	12.97	0.00	348.73	<50	<500	<0.5	1.0	<0.5	1.4J	--	6.5	<1	<1	<1	1360

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G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-22	7/7/2008	361.70	12.32	0.00	349.38	<50	563	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	964
BYA-22	10/3/2008	361.70	12.71	0.00	348.99	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	829
BYA-22	1/21/2009	361.70	10.35	0.00	351.35	666	3420	8.2	<0.5	2.2	3.8	--	21.3	<1	<1	<1	771
BYA-22	4/2/2009	361.70	12.14	0.00	349.56	<50	<500	<0.5	<0.5	<0.5	<1	--	9.5	<1	<1	<1	578
BYA-22	7/20/2009	361.70	13.06	0.00	348.64	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	589
BYA-22	10/20/2009	361.70	13.66	0.00	348.04	<50	<500	<0.5	<0.5	<0.5	<1	--	6.2	<1	<1	<1	1240
BYA-22	1/26/2010	361.70	12.35	0.00	349.35	<50	<500	<0.5	<0.5	<0.5	<1	--	2.9	<1	<1	<1	263
BYA-22	4/7/2010	361.70	12.80	0.00	348.90	<50	<500	<0.5	<0.5	<0.5	<1	--	4.1	<1	<1	<1	453
BYA-22	7/7/2010	361.70	13.15	0.00	348.55	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	284
BYA-22	10/18/2010	361.70	13.82	0.00	347.88	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	823
BYA-22	1/13/2011	361.70	10.97	0.00	350.73	158	<500	21.7	0.8J	7.3	19.0	--	12.8	<1	<1	<1	384
BYA-22	4/11/2011	361.70	11.15	0.00	350.55	<50	<500	<0.5	<0.5	<0.5	<1	--	4.7	<1	<1	<1	283
BYA-22	7/12/2011	361.70	11.80	0.00	349.90	62J	<500	<0.5	<0.5	<0.5	<1	--	4.4	<1	<1	<1	486
BYA-22	10/6/2011	361.70	12.32	0.00	349.38	<50	<500	<0.5	<0.5	<0.5	2.0	--	3.3	<1	<1	<1	459
BYA-23	7/19/2005	361.40	10.87	0.00	350.53	3230	<500	16.5	1.6	<1	18.7	--	44.7	<2	<2	<2	42700
BYA-23	10/3/2005	361.40	11.32	0.00	350.08	3150	37500	483	<20	47.7	276	--	131	<20	<20	<20	45400
BYA-23	1/9/2006	361.40	11.45	0.00	349.95	1300	2180	209	<10	10.6	58.0	--	99.7	<20	<20	<20	44200

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G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-23	4/3/2006	361.40	11.48	0.00	349.92	24200	689	16000*	216	600	2410*	--	3020*	<20	<20	<20	157000*
BYA-23	7/10/2006	361.40	11.81	0.00	349.59	57700	8450	12500	<50	549	820	--	1070	<100	<100	<100	70400
BYA-23	10/9/2006	361.40	12.38	0.00	349.02	9670	1350	6140	<50	<50	<100	--	211	<100	<100	<100	55200
BYA-23	1/8/2007	361.40	12.92	0.00	348.48	6660	<500	2850**	<10	34.0	50.9	--	101	<20	<20	<20	70700
BYA-23	4/9/2007	361.40	13.24	0.00	348.16	4470	1040	2210	<10	29.0	74.8	--	164	<20	<20	<20	52200
BYA-23	7/9/2007	361.40	13.27	0.00	348.13	27300	<500	11300**	30.0	433	77.2	--	728**	<20	<20	<20	85600**
BYA-23	10/8/2007	361.40	17.30	0.00	344.10	32100	2100	9300	321	<50	<100	--	200	<100	<100	<100	76200
BYA-23	1/28/2008	361.40	12.10	0.00	349.30	1550	1560	344	<25	<25	<50	--	97.0J	<50	<50	<50	72400
BYA-23	4/21/2008	361.40	12.14	0.00	349.26	4480	10700	312	<25	<25	<50	--	127	<50	<50	<50	137000
BYA-23	7/7/2008	361.40	11.92	0.00	349.48	1450	1030	<50	<50	<50	<100	--	74.0J	<100	<100	<100	195000
BYA-23	10/3/2008	361.40	11.98	0.00	349.42	2130	680	56.0	<10	<10	<20	--	75.4	<20	<20	<20	114,000
BYA-23	1/21/2009	361.40	9 .92	0.00	351.48	1300	1030	63.2	<5	5.2J	20.3	--	58.4	<10	<10	<10	29200**
BYA-23	4/2/2009	361.40	11.85	0.00	349.55	615J	14660	72.8	<10	<10	<20	--	34.2J	<20	<20	<20	19600
BYA-23	7/20/2009	361.40	12.76	0.00	348.64	251	<500	12.8	<5	<5	<10	--	<10	<10	<10	<10	18900
BYA-23	10/20/2009	361.40	13.25	0.00	348.15	590	<500	42.8	<5	<5	12.3J	--	18.0J	<10	<10	<10	14300
BYA-23	1/26/2010	361.40	11.76	0.00	349.64	731	545J	109	<1.25	<1.25	10.6	--	123	<2.5	<2.5	<2.5	9410
BYA-23	4/7/2010	361.40	12.50	0.00	348.90	375	<500	17.8	<2.5	<2.5	<5	--	11.2	<5	<5	<5	14600**

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(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-23	7/7/2010	361.40	12.76	0.00	348.64	448	<500	12.7	<5	<5	<10	--	<10	<10	<10	<10	16900
BYA-23	10/18/2010	361.40	13.45	0.00	347.95	392	941	15.4	<5	<5	<10	--	<10	<10	<10	<10	20400**
BYA-23	1/13/2011	361.40	10.84	0.00	350.56	3340	1230	1260	267	30.0	76.1	--	304	<10	<10	<10	5210
BYA-23	4/11/2011	361.40	10.97	0.00	350.43	4880	<500	3940**	14.7	24.4	27.4	--	70.4	<10	<10	<10	10400
BYA-23	7/12/2011	361.40	11.55	0.00	349.85	936	<500	180	1.3J	1.5J	3.2	--	41.8	<2.5	<2.5	<2.5	6610**
BYA-23	10/6/2011	361.40	12.15	0.00	349.25	1120	<500	321**	1.3	3.0	6.0	--	44.2	<1	<1	<1	7890**
BYA-24	7/19/2005	360.75	10.50	0.00	350.25	472	<500	<1	1.4	<1	6.2	--	30.0	<2	<2	<2	6130
BYA-24	10/3/2005	360.75	11.13	0.00	349.62	242	<500	<2	2.6	<2	3.2J	--	26.0	<4	<4	<4	13600
BYA-24	1/9/2006	360.75	10.84	0.00	349.91	61.7	<500	10.6	<1	<1	3.2	--	24.0	<2	<2	<2	3480
BYA-24	4/3/2006	360.75	10.86	0.00	349.89	1340	<500	449*	3.2	2.4	5.2	--	176	<2	<2	4.5	2140
BYA-24	7/10/2006	360.75	11.27	0.00	349.48	618	1840	86.8	1.2	<1	<2	--	92.4	<2	<2	2.4	6430
BYA-24	10/9/2006	360.75	11.76	0.00	348.99	976	787	3.3	<2	<2	<4	--	69.0	<4	<4	<4	5840
BYA-24	1/8/2007	360.75	12.18	0.00	348.57	5340	16500	2.3	<2	<2	<4	--	64.0	<4	<4	<4	2990
BYA-24	4/9/2007	360.75	12.53	0.00	348.22	306	602	3.0	<1.25	<1.25	<2.5	--	86.2	<2.5	<2.5	<2.5	3300
BYA-24	7/9/2007	360.75	12.47	0.00	348.28	2060	<500	45.3	<5	<5	<10	--	65.3	<10	<10	<10	7350
BYA-24	10/8/2007	360.75	12.34	0.00	348.41	845	3880	24.3	<2.5	<2.5	<5	--	30.4	<5	<5	<5	4750
BYA-24	1/28/2008	360.75	10.20	0.00	350.55	<50	<500	16.0	<0.5	<0.5	<1	--	1.6J	<1	<1	<1	1360

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BYA-24	4/21/2008	360.75	11.43	0.00	349.32	221	<500	8.6	1.1	1.2	2.2	--	136.3	<1	<1	<1	5750**
BYA-24	7/7/2008	360.75	11.16	0.00	349.59	73.5	<500	<2.5	<2.5	<2.5	<5	--	15.7	<5	<5	<5	9210
BYA-24	10/3/2008	360.75	11.34	0.00	349.41	185	1820	1.5J	<1	<1	<2	--	7.1	<2	<2	<2	8490
BYA-24	1/21/2009	360.75	10.20	0.00	350.55	484	<500	32.1	2.3	6.5	8.1	--	54.3	<2	<2	<2	1350
BYA-24	4/2/2009	360.75	11.28	0.00	349.47	422	<500	1.7	<0.5	1.1	<1	--	31.7	<1	<1	<1	1460
BYA-24	7/20/2009	360.75	12.10	0.00	348.65	<50	<500	<0.5	<0.5	<0.5	<1	--	2.5	<1	<1	<1	1190
BYA-24	10/20/2009	360.75	12.55	0.00	348.20	117	<500	2.5	<0.5	<0.5	<1	--	10.1	<1	<1	<1	833
BYA-24	1/26/2010	360.75	11.30	0.00	349.45	<50	<500	1.1	<0.5	<0.5	<1	--	2.0	<1	<1	<1	54.2
BYA-24	4/7/2010	360.75	12.00	0.00	348.75	162	<500	<0.5	<0.5	<0.5	<1	--	6.9	<1	<1	<1	419
BYA-24	7/7/2010	360.75	12.15	0.00	348.60	<50	<500	<0.5	<0.5	<0.5	<1	--	1.1J	<1	<1	<1	514
BYA-24	10/18/2010	360.75	12.80	0.00	347.95	<50	<500	<0.5	<0.5	<0.5	<1	--	13.3	<1	<1	<1	1050
BYA-24	1/13/2011	360.75	10.20	0.00	350.55	298	<500	83.5	4.7	3.0	14.3	--	46.7	<1	<1	<1	449
BYA-24	4/11/2011	360.75	10.38	0.00	350.37	211	<500	6.8	<0.5	<0.5	<1	--	14.6	<1	<1	<1	475
BYA-24	7/12/2011	360.75	11.00	0.00	349.75	87J	<500	<0.5	1.5	0.9J	6.5	--	5.5	<1	<1	<1	769
BYA-24	10/6/2011	360.75	11.47	0.00	349.28	105	<500	4.0	<0.5	<0.5	2.0	--	6.2	<1	<1	<1	842
BYA-25	7/19/2005	366.50	14.75	0.00	351.75	--	--	--	--	--	--	--	--	--	--	--	--
BYA-25	10/3/2005	366.50	14.41	0.00	352.09	<50	<500	<1	2.9	<1	7.1	--	<2	<2	<2	<2	<10

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(Concentration, µg/L)

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BYA-25	1/9/2006	366.50	16.48	0.00	350.02	<50	<500	<1	2.9	<1	4.9	--	<2	<2	<2	<2	<10
BYA-25	4/3/2006	366.50	16.68	0.00	349.82	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-25	7/10/2006	366.50	16.84	0.00	349.66	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-25	10/9/2006	366.50	17.66	0.00	348.84	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-25	1/8/2007	366.50	18.04	0.00	348.46	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-25	4/9/2007	366.50	18.66	0.00	347.84	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-25	7/9/2007	366.50	18.93	0.00	347.57	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-25	10/8/2007	366.50	18.73	0.00	347.77	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-25	1/28/2008	366.50	18.02	0.00	348.48	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-25	4/22/2008	366.50	17.34	0.00	349.16	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-25	7/7/2008	366.50	17.60	0.00	348.90	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-25	10/3/2008	366.50	17.81	0.00	348.69	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-25	1/21/2009	366.50	17.35	0.00	349.15	--	--	--	--	--	--	--	--	--	--	--	--
BYA-25	4/2/2009	366.50	17.11	0.00	349.39	--	--	--	--	--	--	--	--	--	--	--	--
BYA-25	7/20/2009	366.50	18.06	0.00	348.44	--	--	--	--	--	--	--	--	--	--	--	--
BYA-25	10/20/2009	366.50	18.85	0.00	347.65	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-25	1/26/2010	366.50	18.60	0.00	347.90	--	--	NO	SAMPLE	/	--	--	ANNUAL	SAMPLE	POINT	--	--

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-25	4/7/2010	366.50	17.70	0.00	348.80	--	--	--	--	--	--	--	--	--	--	--	--
BYA-25	7/7/2010	366.50	18.20	0.00	348.30	--	--	--	--	--	--	--	--	--	--	--	--
BYA-25	10/18/2010	366.50	19.78	0.00	346.72	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-25	1/13/2011	366.50	16.22	0.00	350.28	--	--	--	--	--	--	--	--	--	--	--	--
BYA-25	4/11/2011	366.50	15.96	0.00	350.54	--	--	--	--	--	--	--	--	--	--	--	--
BYA-25	7/12/2011	366.50	NA	0.00	NA	--	--	WELL	--	REMOVED	--	--	--	--	--	--	--
BYA-26	7/19/2005	366.27	14.94	0.00	351.33	<50	<500	<1	6.6	1.6	12.4	--	<2	<2	<2	<2	16.6
BYA-26	10/3/2005	366.27	15.47	0.00	350.80	<50	<500	<1	6.1	1.3	10.1	--	<2	<2	<2	<2	<10
BYA-26	1/9/2006	366.27	16.48	0.00	349.79	74.0	<500	<1	<1	<1	2.0	--	<2	<2	<2	<2	145
BYA-26	4/3/2006	366.27	16.66	0.00	349.61	212	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	163
BYA-26	7/10/2006	366.27	17.81	0.00	348.46	126	<500	<1	<1	<1	<2	--	8.8	<2	<2	<2	72.1
BYA-26	10/9/2006	366.27	17.45	0.00	348.82	170	<500	<1	<1	<1	<2	--	3.1	<2	<2	<2	53.2
BYA-26	1/8/2007	366.27	18.09	0.00	348.18	118	<500	<1	<1	<1	<2	--	3.7	<2	<2	<2	50.1
BYA-26	4/9/2007	366.27	18.70	0.00	347.57	90.5	<500	<0.5	<0.5	<0.5	<1	--	4.2	<1	<1	<1	50.8
BYA-26	7/9/2007	366.27	18.93	0.00	347.34	106	<500	<0.5	<0.5	<0.5	<1	--	3.5	<1	<1	<1	26.0
BYA-26	10/8/2007	366.27	18.68	0.00	347.59	<50	<500	<0.5	<0.5	<0.5	<1	--	4.0	<1	<1	<1	14.9J
BYA-26	1/28/2008	366.27	17.80	0.00	348.47	<50	<500	<0.5	0.6J	<0.5	2.2	--	1.2J	<1	<1	<1	12.8J

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, μg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-26	4/22/2008	366.27	17.35	0.00	348.92	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-26	7/7/2008	366.27	17.64	0.00	348.63	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-26	10/3/2008	366.27	17.78	0.00	348.49	<50	<500	<0.5	<0.5	<0.5	<1	--	2.2	<1	<1	<1	<10
BYA-26	1/21/2009	366.27	17.35	0.00	348.92	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-26	4/2/2009	366.27	17.08	0.00	349.19	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-26	7/20/2009	366.27	18.05	0.00	348.22	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	30.7
BYA-26	10/20/2009	366.27	18.90	0.00	347.37	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-26	1/26/2010	366.27	18.56	0.00	347.71	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-26	4/7/2010	366.27	17.60	0.00	348.67	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-26	7/7/2010	366.27	18.20	0.00	348.07	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-26	10/18/2010	366.27	18.95	0.00	347.32	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-26	1/13/2011	366.27	16.13	0.00	350.14	<50	<500	<0.5	<0.5	<0.5	<1	--	1.4J	<1	<1	<1	<10
BYA-26	4/11/2011	366.27	15.95	0.00	350.32	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-26	7/12/2011	366.27	NA	0.00	NA	--	--	WELL	--	REMOVED	--	--	--	--	--	--	--
BYA-27	7/19/2005	366.70	15.40	0.00	351.30	--	--	--	--	--	--	--	--	--	--	--	--
BYA-27	10/3/2005	366.70	16.00	0.00	350.70	318	<500	<1	2.6	<1	4.4	--	<2	<2	<2	<2	731
BYA-27	1/9/2006	366.70	16.98	0.00	349.72	<50	<500	<1	1.6	<1	2.5	--	<2	<2	<2	<2	<10

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-27	4/3/2006	366.70	17.19	0.00	349.51	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-27	7/10/2006	366.70	17.39	0.00	349.31	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-27	10/9/2006	366.70	18.03	0.00	348.67	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-27	1/8/2007	366.70	18.64	0.00	348.06	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-27	4/9/2007	366.70	19.24	0.00	347.46	<50	<500	<0.5	<0.5	<0.5	<1	--	1.7J	<1	<1	<1	<10
BYA-27	7/9/2007	366.70	19.36	0.00	347.34	<50	<500	<0.5	<0.5	<0.5	<1	--	1.9J	<1	<1	<1	<10
BYA-27	10/8/2007	366.70	19.21	0.00	347.49	<50	<500	<0.5	<0.5	<0.5	<1	--	1.9J	<1	<1	<1	<10
BYA-27	1/28/2008	366.70	18.29	0.00	348.41	<50	<500	<0.5	<0.5	<0.5	<1	--	7.1	<1	<1	<1	<10
BYA-27	4/22/2008	366.70	17.88	0.00	348.82	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-27	7/7/2008	366.70	18.12	0.00	348.58	<50	<500	<0.5	<0.5	<0.5	<1	--	1.2J	<1	<1	<1	<10
BYA-27	10/3/2008	366.70	18.32	0.00	348.38	<50	<500	<0.5	<0.5	<0.5	<1	--	1.8J	<1	<1	<1	<10
BYA-27	1/21/2009	366.70	17.90	0.00	348.80	--	--	--	--	--	--	--	--	--	--	--	--
BYA-27	4/2/2009	366.70	17.64	0.00	349.06	--	--	--	--	--	--	--	--	--	--	--	--
BYA-27	7/20/2009	366.70	18.60	0.00	348.10	--	--	--	--	--	--	--	--	--	--	--	--
BYA-27	10/20/2009	366.70	19.40	0.00	347.30	<50	<500	<0.5	<0.5	<0.5	<1	--	1.5J	<1	<1	<1	<10
BYA-27	1/26/2010	366.70	19.05	0.00	347.65	--	--	NO	SAMPLE	/	--	--	ANNUAL	SAMPLE	POINT	--	--
BYA-27	4/7/2010	366.70	18.15	0.00	348.55	--	--	--	--	--	--	--	--	--	--	--	--

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G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-27	7/7/2010	366.70	18.71	0.00	347.99	--	--	--	--	--	--	--	--	--	--	--	--
BYA-27	10/18/2010	366.70	19.49	0.00	347.21	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-27	1/13/2011	366.70	16.68	0.00	350.02	--	--	--	--	--	--	--	--	--	--	--	--
BYA-27	4/11/2011	366.70	16.45	0.00	350.25	--	--	--	--	--	--	--	--	--	--	--	--
BYA-27	7/12/2011	366.70	NA	0.00	NA	--	--	WELL	--	REMOVED	--	--	--	--	--	--	--
BYA-28	7/19/2005	363.73	12.33	0.00	351.40	74.8	<500	<1	9.8	1.8	19.0	--	<2	<2	<2	<2	81.4
BYA-28	10/3/2005	363.73	12.97	0.00	350.76	<50	<500	<1	6.1	1.2	9.3	--	6.9	<2	<2	<2	200
BYA-28	1/9/2006	363.73	13.95	0.00	349.78	64.3	<500	<1	1.4	<1	3.1	--	<2	<2	<2	<2	<10
BYA-28	4/3/2006	363.73	14.13	0.00	349.60	106	<500	<1	<1	<1	<2	--	2.1	<2	<2	<2	<10
BYA-28	7/10/2006	363.73	14.30	0.00	349.43	226	908	<1	<1	<1	<2	--	2.0	<2	<2	<2	<10
BYA-28	10/9/2006	363.73	15.07	0.00	348.66	100	<500	<1	<1	<1	<2	--	5.3	<2	<2	<2	<10
BYA-28	1/8/2007	363.73	15.60	0.00	348.13	78.9	<500	<1	<1	<1	<2	--	2.5	<2	<2	<2	<10
BYA-28	4/9/2007	363.73	16.07	0.00	347.66	<50	<500	<0.5	<0.5	<0.5	<1	--	1.8J	<1	<1	<1	<10
BYA-28	7/9/2007	363.73	16.40	0.00	347.33	<50	<500	<0.5	<0.5	<0.5	<1	--	3.9	<1	<1	<1	<10
BYA-28	10/8/2007	363.73	16.22	0.00	347.51	55.0	<500	<0.5	<0.5	<0.5	<1	--	3.2	<1	<1	<1	<10
BYA-28	1/28/2008	363.73	16.29	0.00	347.44	237	<500	<0.5	<0.5	<0.5	<1	--	1.3J	<1	<1	<1	<10
BYA-28	4/22/2008	363.73	14.74	0.00	348.99	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10

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LAGUNA HILLS, CA

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BYA-28	7/7/2008	363.73	15.05	0.00	348.68	<50	<500	<0.5	<0.5	<0.5	<1	--	1.7J	<1	<1	<1	<10
BYA-28	10/3/2008	363.73	15.23	0.00	348.50	<50	<500	<0.5	<0.5	<0.5	<1	--	4.6	<1	<1	<1	<10
BYA-28	1/21/2009	363.73	14.10	0.00	349.63	<50	<500	<0.5	<0.5	<0.5	2.1	--	1.6J	<1	<1	<1	<10
BYA-28	4/2/2009	363.73	14.57	0.00	349.16	<50	<500	<0.5	<0.5	<0.5	<1	--	1.8J	<1	<1	<1	<10
BYA-28	7/20/2009	363.73	15.65	0.00	348.08	<50	<500	<0.5	<0.5	<0.5	<1	--	1.7J	<1	<1	<1	<10
BYA-28	10/20/2009	363.73	16.36	0.00	347.37	<50	<500	<0.5	<0.5	<0.5	<1	--	1.4J	<1	<1	<1	<10
BYA-28	1/26/2010	363.73	16.10	0.00	347.63	<50	<500	<0.5	<0.5	<0.5	<1	--	1.6J	<1	<1	<1	<10
BYA-28	4/7/2010	363.73	15.20	0.00	348.53	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-28	7/7/2010	363.73	15.65	0.00	348.08	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-28	10/18/2010	363.73	16.40	0.00	347.33	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-28	1/13/2011	363.73	14.60	0.00	349.13	<50	<500	<0.5	<0.5	<0.5	<1	--	1.6J	<1	<1	<1	<10
BYA-28	4/11/2011	363.73	13.50	0.00	350.23	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-28	7/12/2011	363.73	NA	0.00	NA	--	--	WELL	--	REMOVED	--	--	--	--	--	--	--
BYA-29	7/19/2005	364.73	13.40	0.00	351.33	--	--	--	--	--	--	--	--	--	--	--	--
BYA-29	10/3/2005	364.73	14.05	0.00	350.68	<50	<500	<1	1.5	<1	2.1	--	<2	<2	<2	<2	<10
BYA-29	1/9/2006	364.73	15.02	0.00	349.71	<50	<500	<1	<1	<1	2.0	--	<2	<2	<2	<2	<10
BYA-29	4/3/2006	364.73	15.20	0.00	349.53	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10

SWE - Surveyed Well Elevation
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µg/L - Micrograms per Liter
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TPHg - Total Petroleum Hydrocarbons (gasoline) EPA 8015M
TPHd - Total Petroleum Hydrocarbons (diesel) EPA 8015M
MTBE - Methyl tert-Butyl ether
< - Less than laboratory detection limits
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TAME - tert-Amyl Methyl ether
x - Gasoline range TPH are petroleum hydrocarbons in carbon range C-4C

DIPE - Di-isopropyl ether
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LPH - Liquid-Phase Hydrocarbons
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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-29	7/10/2006	364.73	15.38	0.00	349.35	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-29	10/9/2006	364.73	16.12	0.00	348.61	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-29	1/8/2007	364.73	16.68	0.00	348.05	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-29	4/9/2007	364.73	17.27	0.00	347.46	<50	<500	<0.5	<0.5	<0.5	<1	--	1.9J	<1	<1	<1	<10
BYA-29	7/9/2007	364.73	17.60	0.00	347.13	<50	<500	<0.5	<0.5	<0.5	<1	--	4.7	<1	<1	<1	<10
BYA-29	10/8/2007	364.73	17.20	0.00	347.53	<50	<500	<0.5	<0.5	<0.5	<1	--	10.3	<1	<1	<1	<10
BYA-29	1/28/2008	364.73	16.40	0.00	348.33	<50	<500	<0.5	<0.5	<0.5	<1	--	13.5	<1	<1	<1	<10
BYA-29	4/22/2008	364.73	15.86	0.00	348.87	<50	<500	<0.5	<0.5	<0.5	<1	--	1.3J	<1	<1	<1	<10
BYA-29	7/7/2008	364.73	16.19	0.00	348.54	<50	<500	<0.5	<0.5	<0.5	<1	--	1.9J	<1	<1	<1	<10
BYA-29	10/3/2008	364.73	16.35	0.00	348.38	<50	<500	<0.5	<0.5	<0.5	<1	--	8.4	<1	<1	<1	<10
BYA-29	1/21/2009	364.73	15.86	0.00	348.87	--	--	--	--	--	--	--	--	--	--	--	--
BYA-29	4/2/2009	364.73	15.65	0.00	349.08	--	--	--	--	--	--	--	--	--	--	--	--
BYA-29	7/20/2009	364.73	16.64	0.00	348.09	--	--	--	--	--	--	--	--	--	--	--	--
BYA-29	10/20/2009	364.73	17.42	0.00	347.31	<50	<500	<0.5	<0.5	<0.5	<1	--	2.3	<1	<1	<1	<10
BYA-29	1/26/2010	364.73	17.05	0.00	347.68	--	--	NO	SAMPLE	/	--	--	ANNUAL	SAMPLE	POINT	--	--
BYA-29	4/7/2010	364.73	16.16	0.00	348.57	--	--	--	--	--	--	--	--	--	--	--	--
BYA-29	7/7/2010	364.73	16.71	0.00	348.02	--	--	--	--	--	--	--	--	--	--	--	--

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TPHg - Total Petroleum Hydrocarbons (gasoline) EPA 8015M
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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-29	10/18/2010	364.73	17.49	0.00	347.24	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-29	1/13/2011	364.73	14.65	0.00	350.08	--	--	--	--	--	--	--	--	--	--	--	--
BYA-29	4/11/2011	364.73	14.50	0.00	350.23	--	--	--	--	--	--	--	--	--	--	--	--
BYA-29	7/12/2011	364.73	NA	0.00	NA	--	--	WELL	--	REMOVED	--	--	--	--	--	--	--
BYA-30	7/19/2005	365.44	14.24	0.00	351.20	<50	<500	5.1	2.1	<1	4.1	--	<2	<2	<2	<2	<10
BYA-30	10/3/2005	365.44	14.85	0.00	350.59	<50	<500	5.0	1.5	<1	2.5	--	<2	<2	<2	<2	48.8
BYA-30	1/9/2006	365.44	15.85	0.00	349.59	<50	<500	1.2	<1	<1	<2	--	<2	<2	<2	<2	134
BYA-30	4/3/2006	365.44	15.98	0.00	349.46	<50	<500	<1	<1	<1	<2	--	2.1	<2	<2	<2	33.0
BYA-30	7/10/2006	365.44	16.18	0.00	349.26	390	<500	66.2	<1	<1	<2	--	2.0	<2	<2	<2	241
BYA-30	10/9/2006	365.44	16.31	0.00	349.13	<50	<500	<1	<1	<1	<2	--	2.3	<2	<2	<2	58.4
BYA-30	1/8/2007	365.44	17.46	0.00	347.98	<50	<500	<1	<1	<1	<2	--	3.5	<2	<2	<2	58.0
BYA-30	4/9/2007	365.44	18.07	0.00	347.37	<50	<500	<0.5	<0.5	<0.5	<1	--	4.1	<1	<1	<1	8.1J
BYA-30	7/9/2007	365.44	18.32	0.00	347.12	<50	<500	<0.5	<0.5	<0.5	<1	--	6.4	<1	<1	<1	<10
BYA-30	10/8/2007	365.44	17.98	0.00	347.46	<50	<500	<0.5	<0.5	<0.5	<1	--	1.2J	<1	<1	<1	<10
BYA-30	1/28/2008	365.44	17.32	0.00	348.12	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-30	4/22/2008	365.44	16.61	0.00	348.83	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-30	7/7/2008	365.44	16.93	0.00	348.51	<50	<500	<0.5	<0.5	<0.5	<1	--	1.0J	<1	<1	<1	<10

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-30	10/3/2008	365.44	17.13	0.00	348.31	<50	<500	<0.5	<0.5	<0.5	<1	--	1.6J	<1	<1	<1	<10
BYA-30	1/21/2009	365.44	16.72	0.00	348.72	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	27.2
BYA-30	4/2/2009	365.44	16.46	0.00	348.98	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	35.8
BYA-30	7/20/2009	365.44	17.37	0.00	348.07	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	31.6
BYA-30	10/20/2009	365.44	18.20	0.00	347.24	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	91.9
BYA-30	1/26/2010	365.44	17.31	0.00	348.13	<50	<500	<0.5	<0.5	<0.5	<1	--	1.4J	<1	<1	<1	28.6
BYA-30	4/7/2010	365.44	17.00	0.00	348.44	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	29.4
BYA-30	7/7/2010	365.44	17.51	0.00	347.93	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	34.7
BYA-30	10/18/2010	365.44	18.29	0.00	347.15	<50	<500	0.6J	<0.5	<0.5	<1	--	<1	<1	<1	<1	37.8
BYA-30	1/13/2011	365.44	15.43	0.00	350.01	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-30	4/11/2011	365.44	15.25	0.00	350.19	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-30	7/12/2011	365.44	NA	0.00	NA	--	--	WELL	--	REMOVED	--	--	--	--	--	--	--
BYA-31	7/19/2005	363.83	12.57	0.00	351.26	--	--	--	--	--	--	--	--	--	--	--	--
BYA-31	10/3/2005	363.83	13.21	0.00	350.62	56.8	<500	<1	3.7	<1	7.6	--	5.8	<2	<2	<2	31.1
BYA-31	1/9/2006	363.83	14.19	0.00	349.64	<50	<500	<1	<1	<1	2.1	--	<2	<2	<2	<2	70.5
BYA-31	4/3/2006	363.83	14.35	0.00	349.48	<50	<500	<1	<1	<1	<2	--	12.3	<2	<2	<2	166
BYA-31	7/10/2006	363.83	15.53	0.00	348.30	79.7	<500	<1	<1	<1	<2	--	3.3	<2	<2	<2	97.3

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-31	10/9/2006	363.83	15.22	0.00	348.61	<50	<500	<1	<1	<1	<2	--	8.3	<2	<2	<2	51.9
BYA-31	1/8/2007	363.83	15.80	0.00	348.03	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	11.8
BYA-31	4/9/2007	363.83	16.40	0.00	347.43	<50	<500	<0.5	<0.5	<0.5	<1	--	16.2	<1	<1	<1	15.6J
BYA-31	7/9/2007	363.83	17.67	0.00	346.16	<50	<500	<0.5	<0.5	<0.5	<1	--	12.3	<1	<1	<1	<10
BYA-31	10/8/2007	363.83	16.32	0.00	347.51	<50	<500	<0.5	<0.5	<0.5	<1	--	11.0	<1	<1	<1	<10
BYA-31	1/28/2008	363.83	15.47	0.00	348.36	<50	<500	<0.5	<0.5	<0.5	<1	--	1.5J	<1	<1	<1	27.2
BYA-31	4/22/2008	363.83	17.41	0.00	346.42	<50	<500	<0.5	<0.5	<0.5	<1	--	3.0	<1	<1	<1	<10
BYA-31	7/7/2008	363.83	15.30	0.00	348.53	<50	<500	<0.5	<0.5	<0.5	<1	--	8.0	<1	<1	<1	<10
BYA-31	10/3/2008	363.83	15.46	0.00	348.37	<50	<500	<0.5	<0.5	<0.5	<1	--	28.4	<1	<1	<1	<10
BYA-31	1/21/2009	363.83	14.98	0.00	348.85	--	--	--	--	--	--	--	--	--	--	--	--
BYA-31	4/2/2009	363.83	14.80	0.00	349.03	--	--	--	--	--	--	--	--	--	--	--	--
BYA-31	7/20/2009	363.83	15.76	0.00	348.07	--	--	--	--	--	--	--	--	--	--	--	--
BYA-31	10/20/2009	363.83	16.55	0.00	347.28	<50	<500	<0.5	<0.5	<0.5	<1	--	3.9	<1	<1	<1	183
BYA-31	1/26/2010	363.83	16.20	0.00	347.63	--	--	NO	SAMPLE	/	--	--	ANNUAL	SAMPLE	POINT	--	--
BYA-31	4/7/2010	363.83	15.30	0.00	348.53	--	--	--	--	--	--	--	--	--	--	--	--
BYA-31	7/7/2010	363.83	15.85	0.00	347.98	--	--	--	--	--	--	--	--	--	--	--	--
BYA-31	10/18/2010	363.83	16.70	0.00	347.13	<50	<500	<0.5	<0.5	<0.5	<1	--	1.5J	<1	<1	<1	103

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G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-31	1/13/2011	363.83	13.86	0.00	349.97	--	--	--	--	--	--	--	--	--	--	--	--
BYA-31	4/11/2011	363.83	13.55	0.00	350.28	--	--	--	--	--	--	--	--	--	--	--	--
BYA-31	7/12/2011	363.83	14.38	0.00	349.45	<50	<500	<0.5	<0.5	<0.5	<1	--	4.4	<1	<1	<1	135
BYA-31	10/6/2011	363.83	15.12	0.00	348.71	290	<500	31.6	<0.5	<0.5	2.3	--	8.4	<1	<1	<1	128
BYA-31	1/23/2012	363.83	15.98	0.00	347.85	386	<500	8.8	20.3	21.3	82.1	--	36.2	<1	<1	<1	241
BYA-31	4/10/2012	363.83	16.12	0.00	347.71	110	<500	1.5	<0.5	<0.5	<1	--	20.0	<1	<1	<1	105
BYA-31	7/2/2012	363.32	16.27	0.00	347.05	<50	<500	<0.5	<0.5	<0.5	<1	--	30.2	<1	<1	<1	131
BYA-31	10/1/2012	363.32	16.62	0.00	346.70	<50	<500	<0.5	1.6	0.5J	3.8	--	3.2	<1	<1	<1	73.4
BYA-32	7/19/2005	364.52	13.41	0.00	351.11	--	--	--	--	--	--	--	--	--	--	--	--
BYA-32	10/3/2005	364.52	14.05	0.00	350.47	<50	<500	<1	2.7	<1	4.5	--	<2	<2	<2	<2	<10
BYA-32	1/9/2006	364.52	14.05	0.00	350.47	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-32	4/3/2006	364.52	15.17	0.00	349.35	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-32	7/10/2006	364.52	15.37	0.00	349.15	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-32	10/9/2006	364.52	16.02	0.00	348.50	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-32	1/8/2007	364.52	16.60	0.00	347.92	<50	<500	<1	<1	<1	<2	--	15.6	<2	<2	<2	21.8
BYA-32	4/9/2007	364.52	17.15	0.00	347.37	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-32	7/9/2007	364.52	16.54	0.00	347.98	<50	<500	<0.5	<0.5	<0.5	<1	--	1.1J	<1	<1	<1	<10

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G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-32	10/8/2007	364.52	17.12	0.00	347.40	<50	<500	<0.5	<0.5	<0.5	<1	--	1.3J	<1	<1	<1	<10
BYA-32	1/28/2008	364.52	16.25	0.00	348.27	<50	<500	<0.5	<0.5	<0.5	<1	--	1.2J	<1	<1	<1	<10
BYA-32	4/22/2008	364.52	15.72	0.00	348.80	<50	<500	<0.5	1.1	<0.5	1.9J	--	1.2J	<1	<1	<1	<10
BYA-32	7/7/2008	364.52	16.06	0.00	348.46	<50	560	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-32	10/3/2008	364.52	15.28	0.00	349.24	<50	<500	<0.5	<0.5	<0.5	<1	--	2.6	<1	<1	<1	<10
BYA-32	1/21/2009	364.52	15.86	0.00	348.66	--	--	--	--	--	--	--	--	--	--	--	--
BYA-32	4/2/2009	364.52	15.59	0.00	348.93	--	--	--	--	--	--	--	--	--	--	--	--
BYA-32	7/20/2009	364.52	16.58	0.00	347.94	--	--	--	--	--	--	--	--	--	--	--	--
BYA-32	10/20/2009	364.52	17.35	0.00	347.17	<50	<500	<0.5	<0.5	<0.5	<1	--	3.9	<1	<1	<1	<10
BYA-32	1/26/2010	364.52	17.00	0.00	347.52	--	--	NO	SAMPLE	/	--	--	ANNUAL	SAMPLE	POINT	--	--
BYA-32	4/7/2010	364.52	16.12	0.00	348.40	--	--	--	--	--	--	--	--	--	--	--	--
BYA-32	7/7/2010	364.52	16.70	0.00	347.82	--	--	--	--	--	--	--	--	--	--	--	--
BYA-32	10/18/2010	364.52	17.40	0.00	347.12	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-32	1/13/2011	364.52	14.61	0.00	349.91	--	--	--	--	--	--	--	--	--	--	--	--
BYA-32	4/11/2011	364.52	14.45	0.00	350.07	--	--	--	--	--	--	--	--	--	--	--	--
BYA-32	7/12/2011	364.52	NA	0.00	NA	--	--	WELL	--	REMOVED	--	--	--	--	--	--	--
BYA-33	7/19/2005	362.84	11.73	0.00	351.11	--	--	--	--	--	--	--	--	--	--	--	--

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-33	10/3/2005	362.84	12.30	0.00	350.54	<50	<500	<1	3.2	<1	4.4	--	<2	<2	<2	<2	<10
BYA-33	1/9/2006	362.84	13.31	0.00	349.53	<50	<500	<1	1.1	<1	2.1	--	<2	<2	<2	<2	<10
BYA-33	4/3/2006	362.84	13.42	0.00	349.42	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-33	7/10/2006	362.84	13.63	0.00	349.21	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-33	10/9/2006	362.84	14.20	0.00	348.64	<50	<500	<1	<1	<1	<2	--	2.0	<2	<2	<2	<10
BYA-33	1/8/2007	362.84	14.80	0.00	348.04	<50	<500	<1	<1	<1	<2	--	2.1	<2	<2	<2	<10
BYA-33	4/9/2007	362.84	15.35	0.00	347.49	<50	<500	<0.5	<0.5	<0.5	<1	--	1.3J	<1	<1	<1	<10
BYA-33	7/9/2007	362.84	15.50	0.00	347.34	<50	<500	1.8	<0.5	<0.5	<1	--	1.3J	<1	<1	<1	<10
BYA-33	10/8/2007	362.84	15.32	0.00	347.52	<50	<500	<0.5	<0.5	<0.5	<1	--	0.6J	,1	<1	<1	<10
BYA-33	1/28/2008	362.84	14.36	0.00	348.48	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-33	4/22/2008	362.84	13.97	0.00	348.87	<50	<500	<0.5	0.7J	<0.5	0.96J	--	<1	<1	<1	<1	<10
BYA-33	7/7/2008	362.84	14.65	0.00	348.19	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-33	10/3/2008	362.84	14.51	0.00	348.33	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-33	1/21/2009	362.84	14.00	0.00	348.84	--	--	--	--	--	--	--	--	--	--	--	--
BYA-33	4/2/2009	362.84	13.88	0.00	348.96	--	--	--	--	--	--	--	--	--	--	--	--
BYA-33	7/20/2009	362.84	14.83	0.00	348.01	--	--	--	--	--	--	--	--	--	--	--	--
BYA-33	10/20/2009	362.84	15.55	0.00	347.29	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-33	1/26/2010	362.84	15.15	0.00	347.69	--	--	NO	SAMPLE	/	--	--	ANNUAL	SAMPLE	POINT	--	--
BYA-33	4/7/2010	362.84	14.40	0.00	348.44	--	--	--	--	--	--	--	--	--	--	--	--
BYA-33	7/7/2010	362.84	14.90	0.00	347.94	--	--	--	--	--	--	--	--	--	--	--	--
BYA-33	10/18/2010	362.84	15.70	0.00	347.14	<50	<500	<0.5	<0.5	<0.5	<1	--	1.7J	<1	<1	<1	47.6
BYA-33	1/13/2011	362.84	12.91	0.00	349.93	--	--	--	--	--	--	--	--	--	--	--	--
BYA-33	4/11/2011	362.84	12.50	0.00	350.34	--	--	--	--	--	--	--	--	--	--	--	--
BYA-33	7/12/2011	362.84	NA	0.00	NA	--	--	WELL	--	REMOVED	--	--	--	--	--	--	--
BYA-34	7/19/2005	363.75	12.90	0.00	350.85	<50	<500	<1	1.6	<1	3.1	--	<2	<2	<2	<2	<10
BYA-34	10/3/2005	363.75	13.48	0.00	350.27	<50	<500	<1	2.0	<1	4.7	--	<2	<2	<2	<2	<10
BYA-34	1/9/2006	363.75	14.45	0.00	349.30	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-34	4/3/2006	363.75	14.58	0.00	349.17	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-34	7/10/2006	363.75	14.79	0.00	348.96	133	<500	52.0	<1	2.5	<2	--	<2	<2	<2	<2	<10
BYA-34	10/9/2006	363.75	15.38	0.00	348.37	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-34	1/8/2007	363.75	15.98	0.00	347.77	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
BYA-34	4/9/2007	363.75	16.49	0.00	347.26	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-34	7/9/2007	363.75	16.71	0.00	347.04	<50	<500	4.1	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-34	10/8/2007	363.75	16.52	0.00	347.23	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10

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G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
BYA-34	1/28/2008	363.75	15.60	0.00	348.15	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-34	4/22/2008	363.75	15.15	0.00	348.60	<50	<500	<0.5	1.0	<0.5	1.7J	--	<1	<1	<1	<1	<10
BYA-34	7/7/2008	363.75	15.44	0.00	348.31	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-34	10/3/2008	363.75	15.68	0.00	348.07	<50	<500	6.8	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-34	1/21/2009	363.75	15.29	0.00	348.46	<50	832	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-34	4/2/2009	363.75	15.00	0.00	348.75	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-34	7/20/2009	363.75	15.96	0.00	347.79	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-34	10/20/2009	363.75	16.70	0.00	347.05	99J	<500	<0.5	<0.5	<0.5	1.3J	--	<1	<1	<1	<1	<10
BYA-34	1/26/2010	363.75	16.35	0.00	347.40	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-34	4/7/2010	363.75	15.50	0.00	348.25	<50	<500	<0.5	<0.5	<0.5	<0.5	--	<1	<1	<1	<1	59.4
BYA-34	7/7/2010	363.75	16.00	0.00	347.75	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	34.2
BYA-34	10/18/2010	363.75	16.74	0.00	347.01	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	13.4J
BYA-34	1/13/2011	363.75	14.00	0.00	349.75	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	10.2J
BYA-34	4/11/2011	363.75	13.55	0.00	350.20	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-34	7/12/2011	363.75	NA	0.00	NA	--	--	WELL	--	REMOVED	--	--	--	--	--	--	--
IT-1	7/19/2005	360.85	9 .99	0.00	350.86	209	<500	6.3	<1	<1	<2	--	5.1	<2	<2	<2	2870
IT-1	10/3/2005	360.85	10.48	0.00	350.37	150	<500	6.9	<2	<2	<4	--	5.1	<4	<4	<4	5010

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G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
IT-1	1/9/2006	360.85	11.11	0.00	349.74	208	2000	4.6	<1	<1	<2	--	2.7	<2	<2	<2	1870
IT-1	4/3/2006	360.85	11.09	0.00	349.76	3240	<500	3050*	6.3	39.5	6.0	--	54.2	<2	<2	<2	2450
IT-1	7/10/2006	360.85	11.50	0.00	349.35	909	<500	333	3.8	<1	<2	--	31.6	<4	<4	<4	2890
IT-1	10/9/2006	360.85	12.07	0.00	348.78	2060	<500	757**	4.4	<2	<4	--	20.4	<4	<4	<4	2610
IT-1	1/8/2007	360.85	12.37	0.00	348.48	1340	<500	435**	7.0	<2	<4	--	29.5	<4	<4	<4	4080
IT-1	4/9/2007	360.85	12.71	0.00	348.14	734	<500	180	1.6J	<1.25	<2.5	--	28.8	<2.5	<2.5	<2.5	7100
IT-1	7/9/2007	360.85	12.87	0.00	347.98	2160	<500	480	5.9	<2.5	9.5	--	15.8	<5	<5	<5	2400
IT-1	10/8/2007	360.85	13.57	0.00	347.28	1550	516	416	4.2J	<2.5	<5	--	17.8	<5	<5	<5	3600
IT-1	1/28/2008	360.85	11.77	0.00	349.08	<50	878	2.8	<0.5	<0.5	<1	--	<1	<1	<1	<1	2020
IT-1	4/21/2008	360.85	11.65	0.00	349.20	1720	<500	1150**	2.6	23.9	2.9	--	26.5	<1	<1	<1	2420
IT-1	7/7/2008	360.85	11.40	0.00	349.45	58	1340	2.1	<0.5	<0.5	<1	--	<1	<1	<1	<1	1870
IT-1	10/3/2008	360.85	11.41	0.00	349.44	<50	<500	1.1	<0.5	<0.5	<1	--	<1	<1	<1	<1	319
IT-1	1/21/2009	360.85	10.90	0.00	349.95	<50	829	0.6J	<0.5	<0.5	2.0	--	<1	<1	<1	<1	386
IT-1	4/2/2009	360.85	11.43	0.00	349.42	<50	3000	<0.5	<0.5	<0.5	<1	--	3.2	<1	<1	<1	414
IT-1	7/20/2009	360.85	12.18	0.00	348.67	<50	<500	0.8J	<0.5	<0.5	<1	--	1.1J	<1	<1	<1	718
IT-1	10/20/2009	360.85	12.66	0.00	348.19	70J	<500	1.0	<0.5	<0.5	<1	--	<1	<1	<1	<1	470
IT-1	1/26/2010	360.85	11.50	0.00	349.35	<50	<500	3.4	<0.5	<0.5	<1	--	1.0J	<1	<1	<1	208

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LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
IT-1	4/7/2010	360.85	12.05	0.00	348.80	<50	561J	1.1	<0.5	<0.5	<1	--	<1	<1	<1	<1	709
IT-1	7/7/2010	360.85	12.31	0.00	348.54	57J	935	0.9J	<0.5	<0.5	<1	--	<1	<1	<1	<1	1250
IT-1	10/18/2010	360.85	12.92	0.00	347.93	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	999
IT-1	1/13/2011	360.85	10.35	0.00	350.50	57J	<500	1.2	<0.5	<0.5	<1	--	<1	<1	<1	<1	227
IT-1	4/11/2011	360.85	10.55	0.00	350.30	61J	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	126
IT-1	7/12/2011	360.85	11.25	0.00	349.60	286	1010	83.0	0.6J	<0.5	<1	--	12.5	<1	<1	<1	419
IT-1	10/6/2011	360.85	11.70	0.00	349.15	52J	<500	1.7	<0.5	<0.5	2.2	--	3.1	<1	<1	<1	268
IT-2	7/19/2005	361.83	10.22	0.00	351.61	218	1110	1.0	1.2	<1	3.1	--	4.1	<2	<2	<2	3240
IT-2	10/3/2005	361.83	10.89	0.00	350.94	79.9	<500	<2	<2	<2	<4	--	<4	<4	<4	<4	2490
IT-2	1/9/2006	361.83	11.87	0.00	349.96	72.6	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	3900
IT-2	4/3/2006	361.83	11.65	0.00	350.18	336	<500	68.0	<1	<1	<2	--	21.6	<2	<2	<2	1070
IT-2	7/10/2006	361.83	12.10	0.00	349.73	400	<500	56.7	<1	<1	<2	--	27.8	<2	<2	<2	1440
IT-2	10/9/2006	361.83	13.12	0.00	348.71	421	<500	55.5	<1	<1	<2	--	44.8	<2	<2	<2	1810
IT-2	1/8/2007	361.83	13.57	0.00	348.26	502	<500	38.0	<1	<1	<2	--	91.8	<2	<2	<2	2570
IT-2	4/9/2007	361.83	14.48	0.00	347.35	509	<500	58.2	<1	<1	<2	--	98.2	<2	<2	<2	3230
IT-2	7/9/2007	361.83	14.44	0.00	347.39	3290	<500	53.3	<1	<1	<2	--	64.1	<2	<2	<2	1240
IT-2	10/8/2007	361.83	14.33	0.00	347.50	55.6	717	<0.5	<0.5	<0.5	<1	--	0.8J	<1	<1	<1	1800

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TPHg - Total Petroleum Hydrocarbons (gasoline) EPA 8015M
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MTBE - Methyl tert-Butyl ether
< - Less than laboratory detection limits
NA - Not Available
TAME - tert-Amyl Methyl ether
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DIPE - Di-isopropyl ether
ETBE - Ethyl tert-butyl ether
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LPH - Liquid-Phase Hydrocarbons
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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
IT-2	1/28/2008	361.83	11.40	0.00	350.43	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
IT-2	4/21/2008	361.83	12.92	0.00	348.91	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	121
IT-2	7/7/2008	361.83	12.53	0.00	349.30	<50	936	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	64.6
IT-2	10/3/2008	361.83	12.88	0.00	348.95	<50	1010	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	162
IT-2	1/21/2009	361.83	11.54	0.00	350.29	201	1020	<0.5	<0.5	1.6	12.3	--	<1	<1	<1	<1	114
IT-2	4/2/2009	361.83	12.28	0.00	349.55	<50	595	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	40.5
IT-2	7/20/2009	361.83	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--
IT-2	10/20/2009	361.83	14.25	0.00	347.58	73J	694	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	258
IT-2	1/26/2010	361.83	12.99	0.00	348.84	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	18.8J
IT-2	4/7/2010	361.83	13.10	0.00	348.73	<50	701J	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	28.6
IT-2	7/7/2010	361.83	13.58	0.00	348.25	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	103
IT-2	10/18/2010	361.83	13.62	0.00	348.21	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	24.9
IT-2	1/13/2011	361.83	11.10	0.00	350.73	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	21.1
IT-2	4/11/2011	361.83	10.90	0.00	350.93	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
IT-2	7/12/2011	361.83	12.04	0.00	349.79	<50	<500	<0.5	<0.5	<0.5	1.9J	--	<1	<1	<1	<1	<10
IT-2	10/6/2011	361.83	12.45	0.00	349.38	<50	<500	1.6	<0.5	<0.5	1.6J	--	<1	<1	<1	<1	19.7J
IT-4	7/19/2005	360.08	9 .07	0.00	351.01	56300	2030	337	8510	2180	14300	--	<40	<40	<40	<40	692

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
IT-4	10/3/2005	360.08	9 .59	0.00	350.49	48900	3660	460	2380	2320	14700	--	<50	<50	<50	<50	325
IT-4	1/9/2006	360.08	10.32	0.00	349.76	18100	9010	<5	18.8	42.2	367	--	<10	<10	<10	<10	2460
IT-4	4/3/2006	360.08	8 .03	0.00	352.05	53300	16300	<25	208	790	6710	--	509	<50	<50	<50	<250
IT-4	7/10/2006	360.08	10.65	0.04	349.46	24000	2850	25.0	314	1050	7730	--	<20	<20	<20	<20	<100
IT-4	10/9/2006	360.08	10.95	0.00	349.13	47300	4460	68.1	743**	1400**	10100**	--	<20	<20	<20	<20	<100
IT-4	1/8/2007	360.08	11.52	0.03	348.58	36800	<500	134	996	1360	9270	--	<40	<40	<40	<40	<200
IT-4	4/9/2007	360.08	11.73	0.00	348.35	31900	2010	83.5	825	2010	12900	--	<50	<50	<50	<50	<500
IT-4	7/9/2007	360.08	11.68	0.00	348.40	332000	1050	610	4020	4730	37100	--	<50	<50	<50	<50	2720
IT-4	10/8/2007	360.08	11.63	0.00	348.45	35200	1820	271	1350	1780	12900	--	<100	<100	<100	<100	<1000
IT-4	1/28/2008	360.08	3 .22	0.00	356.86	28900	<500	77.5	526	805	9000	--	<50	<50	<50	<50	<500
IT-4	4/21/2008	360.08	10.86	0.00	349.22	22000	<500	263	178	711	8740	--	<50	<50	<50	<50	<500
IT-4	7/7/2008	360.08	10.54	0.00	349.54	34900	<500	735	483	883	9460	--	<50	<50	<50	<50	<500
IT-4	10/3/2008	360.08	10.95	0.00	349.13	334	<500	3.5	7.5	7.2	81.2	--	<1	<1	<1	<1	<10
IT-4	1/21/2009	360.08	7 .76	0.00	352.32	842	3050	<0.5	<0.5	3.1	29.1	--	<1	<1	<1	<1	<10
IT-4	4/2/2009	360.08	10.58	0.00	349.50	678	12200	0.9J	<0.5	11.7	100	--	<1	<1	<1	<1	<10
IT-4	7/20/2009	360.08	11.35	0.00	348.73	830	555	1.2	3.2	8.3	100	--	<1	<1	<1	<1	<10
IT-4	10/20/2009	360.08	11.91	0.00	348.17	9070	3060	32.0	402**	361**	2280**	--	<1	<1	<1	<1	<10

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
IT-4	1/26/2010	360.08	9 .30	0.00	350.78	--	--	NO	SAMPLE	/	--	--	ANNUAL	SAMPLE	POINT	--	--
IT-4	4/7/2010	360.08	11.10	0.00	348.98	400	578J	<0.5	<0.5	1.9	17.2	--	<1	<1	<1	<1	<10
IT-4	7/7/2010	360.08	11.46	0.00	348.62	3150	3670	<0.5	6.5	15.1	47.2	--	<1	<1	<1	<1	<10
IT-4	10/18/2010	360.08	12.12	0.04	347.99	1340	<500	3.0	2.2	25.3	99.5	--	<2	<2	<2	<2	<20
IT-4	1/13/2011	360.08	9 .48	0.00	350.60	103000	59700	6.5	7.5	261	782**	--	<2.5	<2.5	<2.5	<2.5	<25
IT-4	4/11/2011	360.08	9 .82	0.00	350.26	146000	54500	<50	55.0J	813	6140	--	<100	<100	<100	<100	<1000
IT-4	7/12/2011	360.08	10.23	0.00	349.85	30700	10200	86.6	51.2	475	4420	--	<20	<20	<20	<20	<200
IT-4	10/6/2011	360.08	9 .72	0.00	350.36	30200	16300	14.0	8.0	192	1670**	--	<5	<5	<5	<5	<50
IT-5	7/19/2005	362.44	11.07	0.00	351.37	<50	<500	<1	2.7	<1	<2	--	<2	<2	<2	<2	113
IT-5	10/3/2005	362.44	11.55	0.00	350.89	<50	1210	<1	<1	<1	<2	--	<2	<2	<2	<2	104
IT-5	1/9/2006	362.44	12.57	0.00	349.87	<50	1280	<1	<1	<1	<2	--	<2	<2	<2	<2	34.0
IT-5	4/3/2006	362.44	12.45	0.00	349.99	<50	1340	<1	<1	<1	<2	--	5.8	<2	<2	<2	51.2
IT-5	7/10/2006	362.44	12.95	0.00	349.49	583	5170	<1	<1	<1	<2	--	3.9	<2	<2	<2	81.5
IT-5	10/9/2006	362.44	13.61	0.00	348.83	74.6	<500	<1	<1	<1	<2	--	3.7	<2	<2	<2	61.2
IT-5	1/8/2007	362.44	14.32	0.00	348.12	79.1	2140	<1	<1	<1	<2	--	3.6	<2	<2	<2	40.6
IT-5	4/9/2007	362.44	14.68	0.00	347.76	<50	3650	<0.5	0.7J	<0.5	1.1J	--	3.3	<1	<1	<1	54.5
IT-5	7/9/2007	362.44	14.99	0.00	347.45	<50	621	<0.5	1.2	<0.5	<1	--	4.0	<1	<1	<1	23.3

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
IT-5	10/8/2007	362.44	15.00	0.00	347.44	<50	2450	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	20.7
IT-5	1/28/2008	362.44	13.40	0.00	349.04	6980	19800	<2.5	<2.5	<2.5	<5	--	<5	<5	<5	<5	<50
IT-5	4/21/2008	362.44	13.36	0.00	349.08	231	3880	<0.5	<0.5	<0.5	<1	--	2.9	<1	<1	<1	93.9
IT-5	7/7/2008	362.44	13.68	0.00	348.76	868	8730	<0.5	<0.5	<0.5	<1	--	2.7	<1	<1	<1	66.1
IT-5	10/3/2008	362.44	13.90	0.00	348.54	9290	115000	<0.5	1.0	<0.5	<1	--	1.4J	<1	<1	<1	68.0
IT-5	1/21/2009	362.44	13.14	0.00	349.30	69	4370	<0.5	<0.5	0.7J	5.9	--	<1	<1	<1	<1	28.2
IT-5	4/2/2009	362.44	13.16	0.00	349.28	<50	871	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	23.7
IT-5	7/20/2009	362.44	14.15	0.00	348.29	--	--	--	--	--	--	--	--	--	--	--	--
IT-5	10/20/2009	362.44	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--
IT-5	1/26/2010	362.44	14.80	0.00	347.64	<50	1330	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	11.8J
IT-5	4/7/2010	362.44	13.80	0.00	348.64	<50	2180	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	20.4
IT-5	7/7/2010	362.44	14.30	0.00	348.14	509	3690	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	10.4J
IT-5	10/18/2010	362.44	15.20	0.05	347.28	2430	47900	<1	<1	<1	<2	--	<2	<1	<1	<1	39.3J
IT-5	1/13/2011	362.44	12.26	0.00	350.18	205	10700	<0.5	<0.5	<0.5	<1	--	<1	.<1	<1	<1	48.7
IT-5	4/11/2011	362.44	12.03	0.00	350.41	117	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	47.7
IT-5	7/12/2011	362.44	12.78	0.00	349.66	1040	31900	<1	<1	<1	3.6J	--	<2	<2	<2	<2	53.0
IT-5	10/6/2011	362.44	13.60	0.00	348.84	108	3750	<0.5	1.6	0.9J	<1	--	<1	<1	<1	<1	223

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
IT-6	7/19/2005	361.98	10.12	0.00	351.86	426	2850	23.7	<2	<2	6.8	--	243	<4	<4	<4	1660
IT-6	10/3/2005	361.98	10.68	0.00	351.30	64.0	15400	1.0	<1	<1	3.3	--	32.0	<2	<2	<2	422
IT-6	1/9/2006	361.98	11.60	0.00	350.38	573	4000	21.3	3.0	2.2	5.5	--	94.2	<2	<2	<2	384
IT-6	4/3/2006	361.98	11.60	0.00	350.38	13600	43200	15.4	1.8	3.8	5.7	--	70.6	<2	<2	<2	351
IT-6	7/10/2006	361.98	11.98	0.00	350.00	1860	4780	14.9	<1	1.0	2.0	--	81.7	<2	<2	<2	510
IT-6	10/9/2006	361.98	12.83	0.00	349.15	2140	55200	10.9	1.5	2.5	2.1	--	73.8	<2	<2	<2	521
IT-6	1/8/2007	361.98	13.45	0.00	348.53	2880	36800	3.3	1.3	2.4	<2	--	62.6	<2	<2	<2	783
IT-6	4/9/2007	361.98	14.01	0.00	347.97	1530	13500	1.7J	0.8J	1.8	1.0J	--	75.6	<1	<1	2.0	855
IT-6	7/9/2007	361.98	14.18	0.00	347.80	1070	18100	1.0	0.6J	1.1	0.4J	--	59.5	<1	<1	1.2J	324
IT-6	10/8/2007	361.98	14.11	0.00	347.87	4540	137000	1.2	<0.5	<0.5	<1	--	55.1	<1	<1	<1	669
IT-6	1/28/2008	361.98	11.33	0.00	350.65	482	2810	1.1	<0.5	1.1	<1	--	74.4	<1	<1	2.0	405
IT-6	4/21/2008	361.98	11.87	0.00	350.11	<50	3370	<0.5	<0.5	<0.5	<1	--	4.5	<1	<1	<1	143
IT-6	7/7/2008	361.98	12.38	0.00	349.60	<50	3150	<0.5	<0.5	<0.5	<1	--	2.6	<1	<1	<1	197
IT-6	10/3/2008	361.98	13.13	0.00	348.85	572	42500	<0.5	<0.5	<0.5	<1	--	33.0	<1	<1	<1	267
IT-6	1/21/2009	361.98	10.79	0.00	351.19	690	11600	<0.5	<0.5	2.2	16.6	--	1.1J	<1	<1	<1	<10
IT-6	4/2/2009	361.98	11.77	0.00	350.21	<50	2580	<0.5	<0.5	<0.5	<1	--	1.3J	<1	<1	<1	<10
IT-6	7/20/2009	361.98	12.55	0.00	349.43	144	<500	<0.5	<0.5	<0.5	<1	--	3.5	<1	<1	<1	1520

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
IT-6	10/20/2009	361.98	14.20	0.00	347.78	514	141000	<0.5	0.8J	1.1J	6.7	--	6.8	<1	<1	<1	24.7
IT-6	1/26/2010	361.98	12.20	0.00	349.78	93J	560J	<0.5	<0.5	<0.5	<1	--	5.5	<1	<1	<1	55.6
IT-6	4/7/2010	361.98	12.85	0.00	349.13	<50	1250	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	10.6J
IT-6	7/7/2010	361.98	13.50	0.00	348.48	<50	7960	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	39.3
IT-6	10/18/2010	361.98	13.90	0.00	348.08	1730	9110	<0.5	<0.5	<0.5	<1	--	8.5	<1	<1	<1	306
IT-6	1/13/2011	361.98	10.58	0.00	351.40	51J	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
IT-6	4/11/2011	361.98	10.90	0.00	351.08	252	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
IT-6	7/12/2011	361.98	11.80	0.00	350.18	91J	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
IT-6	10/6/2011	361.98	11.65	0.00	350.33	72J	560J	<0.5	<0.5	<0.5	2.3	--	<1	<1	<1	<1	32.3
IT-7	7/19/2005	362.21	10.60	0.00	351.61	--	--	--	--	--	--	--	--	--	--	--	--
IT-7	10/3/2005	362.21	11.10	0.00	351.11	<50	<500	<1	2.1	<1	6.0	--	3.1	<2	<2	<2	<10
IT-7	1/9/2006	362.21	12.00	0.00	350.21	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
IT-7	4/3/2006	362.21	12.20	0.00	350.01	65.7	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
IT-7	7/10/2006	362.21	12.29	0.00	349.92	61.5	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
IT-7	10/9/2006	362.21	13.03	0.00	349.18	67.9	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	43.1
IT-7	1/8/2007	362.21	13.56	0.00	348.65	77.4	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	43.2
IT-7	4/9/2007	362.21	13.95	0.00	348.26	92.4	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	72.9

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G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
IT-7	7/9/2007	362.21	14.10	0.00	348.11	93.3	<500	<0.5	<0.5	<0.5	<1	--	2.4	<1	<1	<1	118
IT-7	10/8/2007	362.21	14.12	0.00	348.09	<50	568	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	50.1
IT-7	1/28/2008	362.21	17.90	0.00	344.31	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
IT-7	4/21/2008	362.21	12.70	0.00	349.51	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
IT-7	7/7/2008	362.21	15.25	0.00	346.96	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
IT-7	10/3/2008	362.21	13.50	0.00	348.71	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
IT-7	1/21/2009	362.21	12.06	0.00	350.15	--	--	--	--	--	--	--	--	--	--	--	--
IT-7	4/2/2009	362.21	12.47	0.00	349.74	--	--	--	--	--	--	--	--	--	--	--	--
IT-7	7/20/2009	362.21	13.50	0.00	348.71	--	--	--	--	--	--	--	--	--	--	--	--
IT-7	10/20/2009	362.21	14.10	0.00	348.11	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
IT-7	1/26/2010	362.21	NA	--	NA	--	--	NO	SAMPLE	/	--	--	ANNUAL	SAMPLE	POINT	--	--
IT-7	4/7/2010	362.21	13.25	0.00	348.96	--	--	--	--	--	--	--	--	--	--	--	--
IT-7	7/7/2010	362.21	13.61	0.00	348.60	--	--	--	--	--	--	--	--	--	--	--	--
IT-7	10/18/2010	362.21	14.29	0.00	347.92	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
IT-7	1/13/2011	362.21	11.95	0.00	350.26	--	--	--	--	--	--	--	--	--	--	--	--
IT-7	4/11/2011	362.21	24.80	0.00	337.41	--	--	--	--	--	--	--	--	--	--	--	--
IT-7	7/12/2011	362.21	12.00	0.00	350.21	--	--	--	--	--	--	--	--	--	--	--	--

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
IT-7	10/6/2011	362.21	12.46	0.00	349.75	200	7120	<0.5	<0.5	<0.5	3.6	--	<1	<1	<1	<1	<10
IT-8	7/19/2005	360.06	9 .38	0.00	350.68	208	<500	3.6	5.9	1.5	11.6	--	<2	<2	<2	<2	70.7
IT-8	10/3/2005	360.06	10.35	0.00	349.71	123	<500	2.9	<1	<1	<2	--	<2	<2	<2	<2	75.7
IT-8	1/9/2006	360.06	10.99	0.00	349.07	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	26.2
IT-8	4/3/2006	360.06	11.06	0.00	349.00	3830	<500	335	13.2	13.1	28.0	--	<4	<4	<4	<4	84.3
IT-9	7/19/2005	360.51	9 .98	0.00	350.53	274	<500	13.3	48.7	11.0	83.7	--	8.4	<2	<2	<2	25.0
IT-9	10/3/2005	360.51	10.49	0.00	350.02	89.8	<500	2.0	1.2	<1	3.6	--	183	<2	<2	<2	<10
IT-9	1/9/2006	360.51	11.10	0.00	349.41	<50	<500	2.6	<1	<1	<2	--	<2	<2	<2	<2	<10
IT-9	4/3/2006	360.51	11.20	0.00	349.31	241	<500	45.1	<1	<1	<2	--	92.2	<2	<2	<2	<10
IT-10	7/19/2005	360.27	9 .38	0.00	350.89	--	--	--	--	--	--	--	--	--	--	--	--
IT-10	10/3/2005	360.27	10.20	0.00	350.07	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
IT-10	1/9/2006	360.27	11.10	0.00	349.17	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
IT-10	4/3/2006	360.27	11.18	0.00	349.09	<50	<500	<1	<1	<1	<2	--	2.0	<2	<2	<2	15.5
IT-11	7/19/2005	360.33	10.48	0.00	349.85	2570	18200	1.2	3.5	<1	8.1	--	<2	<2	<2	<2	15.8
IT-11	10/3/2005	360.33	11.10	0.00	349.23	<50	<500	1.0	<1	<1	<2	--	<2	<2	<2	<2	14.5
IT-11	1/9/2006	360.33	11.83	0.00	348.50	599	9230	1.8	<1	<1	<2	--	<2	<2	<2	<2	52.0
IT-11	4/3/2006	360.33	11.96	0.00	348.37	786	<500	109	2.5	1.0	<2	--	2.2	<2	<2	<2	47.5

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G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
IT-12	7/19/2005	359.73	7 .20	0.00	352.53	--	--	--	--	--	--	--	--	--	--	--	--
IT-12	10/3/2005	359.73	8 .20	0.00	351.53	<50	<500	<1	1.4	<1	2.0	--	<2	<2	<2	<2	<10
IT-12	1/9/2006	359.73	10.37	0.00	349.36	<50	<500	<1	4.3	1.4	12.0	--	<2	<2	<2	<2	<10
IT-12	4/3/2006	359.73	10.04	0.00	349.69	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
IT-13	7/19/2005	359.64	10.17	0.00	349.47	464	<500	1.0	10.7	3.4	21.5	--	9.9	<2	<2	<2	13.2
IT-13	10/3/2005	359.64	10.52	0.00	349.12	<50	<500	<1	<1	<1	2.4	--	9.7	<2	<2	<2	17.2
IT-13	1/9/2006	359.64	11.18	0.00	348.46	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
IT-13	4/3/2006	359.64	11.15	0.00	348.49	<50	<500	<1	<1	<1	<2	--	32.1	<2	<2	<2	19.6
KMW-14	7/19/2005	361.69	10.20	0.00	351.49	<50	<500	<1	4.5	1.1	8.7	--	25.9	<2	<2	<2	56.4
KMW-14	10/3/2005	361.69	10.70	0.00	350.99	116	<500	<1	1.0	<1	2.1	--	77.6	<2	<2	<2	384
KMW-14	1/9/2006	361.69	11.55	0.00	350.14	<50	<500	<1	<1	<1	3.3	--	2.1	<2	<2	<2	83.4
KMW-14	4/3/2006	361.69	11.55	0.00	350.14	116	<500	<1	<1	<1	<2	--	54.4	<2	<2	<2	91.2
KMW-14	7/10/2006	361.69	11.88	0.00	349.81	220	<500	<1	<1	<1	<2	--	113	<2	<2	<2	324
KMW-14	10/9/2006	361.69	12.12	0.00	349.57	275	<500	1.0	<1	<1	<2	--	196	<2	<2	<2	480
KMW-14	1/8/2007	361.69	12.82	0.00	348.87	419	<500	<1	<1	<1	<2	--	300	<2	<2	<2	723
KMW-14	4/9/2007	361.69	13.02	0.00	348.67	117	<500	<0.5	<0.5	<0.5	<1	--	80.3	<1	<1	<1	211
KMW-14	7/9/2007	361.69	13.13	0.00	348.56	54.9	<500	<0.5	<0.5	<0.5	<1	--	25.0	<1	<1	<1	50.2

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LAGUNA HILLS, CA

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KMW-14	10/8/2007	361.69	13.15	0.00	348.54	52.1	<500	<0.5	<0.5	<0.5	<1	--	22.7	<1	<1	<1	57.3
KMW-14	1/28/2008	361.69	12.30	0.00	349.39	<50	<500	<0.5	0.8J	<0.5	2.0	--	<1	<1	<1	<1	<10
KMW-14	4/22/2008	361.69	12.06	0.00	349.63	50	<500	<0.5	0.5J	<0.5	0.9J	--	41.1	<1	<1	<1	465
KMW-14	7/7/2008	361.69	12.00	0.00	349.69	<50	<500	<0.5	<0.5	<0.5	<1	--	3.1	<1	<1	<1	55.3
KMW-14	10/3/2008	361.69	12.35	0.00	349.34	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
KMW-14	1/21/2009	361.69	11.63	0.00	350.06	<50	<500	<0.5	<0.5	<0.5	1.5J	--	16.9	<1	<1	<1	315
KMW-14	4/2/2009	361.69	11.91	0.00	349.78	<50	<500	<0.5	<0.5	<0.5	<1	--	1.1J	<1	<1	<1	27.8
KMW-14	7/20/2009	361.69	12.76	0.00	348.93	<50	<500	<0.5	<0.5	<0.5	<1	--	7.4	<1	<1	<1	221
KMW-14	10/20/2009	361.69	13.26	0.00	348.43	<50	<500	<0.5	<0.5	<0.5	<1	--	21.7	<1	<1	<1	329
KMW-14	1/26/2010	361.69	12.50	0.00	349.19	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
KMW-14	4/7/2010	361.69	12.60	0.00	349.09	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
KMW-14	7/7/2010	361.69	13.06	0.00	348.63	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	19.1J
KMW-14	10/18/2010	361.69	13.50	0.00	348.19	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	22.5
KMW-14	1/13/2011	361.69	11.14	0.00	350.55	<50	<500	<0.5	<0.5	<0.5	<1	--	2.6	<1	<1	<1	21.5
KMW-14	4/11/2011	361.69	10.97	0.00	350.72	<50	<500	<0.5	<0.5	<0.5	<1	--	11.2	<1	<1	<1	231
KMW-14	7/12/2011	361.69	NA	0.00	NA	--	--	WELL	--	REMOVED	--	--	--	--	--	--	--
KMW-16	7/19/2005	360.50	11.58	0.00	348.92	96.5	<500	1.0	11.3	3.2	24.7	--	<2	<2	<2	<2	<10

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KMW-16	10/3/2005	360.50	12.00	0.00	348.50	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
KMW-16	1/9/2006	360.50	12.62	0.00	347.88	<50	1120	<1	<1	<1	2.8	--	<2	<2	<2	<2	<10
KMW-16	4/3/2006	360.50	12.68	0.00	347.82	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
MW-18	7/19/2005	355.26	7 .57	0.00	347.69	106	<500	1.5	9.2	3.0	18.0	--	17.7	<2	<2	<2	<10
MW-18	10/3/2005	355.26	7 .89	0.00	347.37	94.3	<500	<1	1.4	<1	2.6	--	56.1	<2	<2	<2	<10
MW-18	1/9/2006	355.26	8 .36	0.00	346.90	209	<500	<1	9.1	5.5	25.8	--	80.2	<2	<2	<2	<10
MW-18	4/3/2006	355.26	8 .48	0.00	346.78	583	<500	<1	<1	29.6	8.4	--	163	<2	<2	<2	<10
MW-18	7/10/2006	355.26	8 .50	0.00	346.76	251	<500	<1	<1	<1	<2	--	217	<2	<2	<2	<10
MW-18	10/9/2006	355.26	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--
MW-18	1/8/2007	355.26	9 .08	0.00	346.18	350	<500	<1	<1	<1	<2	--	335	<2	<2	<2	<10
MW-18	4/9/2007	355.26	9 .40	0.00	345.86	398	<500	<1	<1	<1	<2	--	349	<2	<2	<2	<10
MW-18	7/9/2007	355.26	9 .42	0.00	345.84	349	<500	<1	<1	<1	<2	--	304	<2	<2	<2	<20
MW-18	10/8/2007	355.26	9 .22	0.00	346.04	307	<500	<0.5	<0.5	<0.5	<1	--	307	<1	<1	<1	<10
MW-18	1/28/2008	355.26	8 .19	0.00	347.07	<50	<500	<0.5	<0.5	<0.5	<1	--	43.9	<1	<1	<1	<10
MW-18	4/22/2008	355.26	8 .60	0.00	346.66	<50	<500	<0.5	<0.5	<0.5	<1	--	34.2	<1	<1	<1	<10
MW-18	7/7/2008	355.26	8 .49	0.00	346.77	63	<500	<0.5	<0.5	<0.5	<1	--	63.1	<1	<1	<1	<10
MW-18	10/3/2008	355.26	8 .79	0.00	346.47	<50	<500	<0.5	<0.5	<0.5	<1	--	23.9	<1	<1	<1	<10

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
MW-18	1/21/2009	355.26	8 .80	0.00	346.46	12300	4390	19.3	15.3	119	1340**	--	<1	<1	<1	<1	<10
MW-18	4/2/2009	355.26	8 .44	0.00	346.82	<50	<500	<0.5	<0.5	<0.5	<1	--	64.3	<1	<1	<1	<10
MW-18	7/20/2009	355.26	8 .96	0.00	346.30	57J	<500	<0.5	<0.5	<0.5	<1	--	66.1	<1	<1	<1	<10
MW-18	10/20/2009	355.26	9 .35	0.00	345.91	57J	<500	<0.5	<0.5	<0.5	<1	--	64.2	<1	<1	<1	<10
MW-18	1/26/2010	355.26	8 .75	0.00	346.51	<50	<500	<0.5	<0.5	<0.5	<1	--	49.0	<1	<1	<1	33.8
MW-18	4/7/2010	355.26	8 .71	0.00	346.55	168	<500	<0.5	<0.5	<0.5	<1	--	193	<1	<1	<1	132
MW-18	7/7/2010	355.26	9 .00	0.00	346.26	<50	<500	<0.5	<0.5	<0.5	<1	--	43.6	<1	<1	<1	19.7J
MW-18	10/18/2010	355.26	9 .40	0.00	345.86	176	<500	<0.5	<0.5	1.5	<1	--	67.3	<1	<1	<1	19.3J
MW-18	1/13/2011	355.26	7 .90	0.00	347.36	52J	<500	<0.5	<0.5	<0.5	<1	--	42.5	<1	<1	<1	<10
MW-18	4/11/2011	355.26	7 .80	0.00	347.46	69J	<500	<0.5	<0.5	<0.5	<1	--	69.4	<1	<1	<1	<10
MW-18	7/12/2011	355.26	8 .22	0.00	347.04	87J	<500	<0.5	<0.5	<0.5	<1	--	129	<1	<1	<1	<10
MW-18	10/6/2011	355.26	8 .60	0.00	346.66	152	<500	<0.5	<0.5	<0.5	2.8	--	197	<1	<1	<1	<10
MW-18	1/23/2012	355.26	9 .21	0.00	346.05	472	<500	9.9	24.8	20.7	81.1	--	756**	<1	<1	<1	<10
MW-18	4/10/2012	355.26	9 .22	0.00	346.04	84J	<500	<0.5	<0.5	<0.5	<1	--	158	<1	<1	<1	<10
MW-18	7/2/2012	355.26	9 .38	0.00	345.88	550	<500	<0.5	<0.5	<0.5	<1	--	345	<1	<1	<1	<10
MW-18	10/1/2012	355.26	9 .73	0.00	345.53	140	5270	<0.5	7.7	1.7	10.9	--	23.6	<1	<1	<1	<10
MW-19	7/19/2005	357.58	9 .05	0.00	348.53	113	<500	<1	10.1	2.1	18.7	--	15.9	<2	<2	<2	34.3

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G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
MW-19	10/3/2005	357.58	9 .46	0.00	348.12	61.1	<500	<1	1.2	<1	2.9	--	19.8	<2	<2	<2	73.7
MW-19	1/9/2006	357.58	10.05	0.00	347.53	<50	<500	<1	<1	<1	<2	--	2.0	<2	<2	<2	30.2
MW-19	4/3/2006	357.58	10.05	0.00	347.53	137	<500	<1	<1	<1	<2	--	14.1	<2	<2	<2	79.2
MW-19	7/10/2006	357.58	10.20	0.00	347.38	181	<500	<1	<1	<1	<2	--	9.4	<2	<2	<2	68.4
MW-19	10/9/2006	357.58	10.51	0.00	347.07	160	<500	<1	<1	<1	<2	--	8.4	<2	<2	<2	89.1
MW-19	1/8/2007	357.58	10.95	0.00	346.63	70.8	<500	<1	<1	<1	<2	--	12.7	<2	<2	<2	93.4
MW-19	7/9/2007	357.58	11.26	0.00	346.32	91.3	<500	<0.5	<0.5	<0.5	<1	--	34.1	<1	<1	<1	47.0
MW-19	10/8/2007	357.58	11.13	0.00	346.45	<50	<500	<0.5	<0.5	<0.5	<1	--	10.7	<1	<1	<1	45.3
MW-19	1/28/2008	357.58	10.62	0.00	346.96	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	55.8
MW-19	4/22/2008	357.58	8 .60	0.00	348.98	<50	<500	<0.5	<0.5	<0.5	<1	--	1.6J	<1	<1	<1	37.9
MW-19	7/7/2008	357.58	10.20	0.00	347.38	<50	<500	<0.5	<0.5	<0.5	<1	--	11.2	<1	<1	<1	88.4
MW-19	10/3/2008	357.58	10.60	0.00	346.98	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	48.2
MW-19	1/21/2009	357.58	10.32	0.00	347.26	<50	<500	<0.5	<0.5	<0.5	<1	--	53.0	<1	<1	<1	<10
MW-19	4/2/2009	357.58	10.18	0.00	347.40	<50	<500	<0.5	<0.5	<0.5	<1	--	7.7	<1	<1	<1	70.9
MW-19	7/20/2009	357.58	10.75	0.00	346.83	<50	<500	<0.5	<0.5	<0.5	<1	--	6.0	<1	<1	<1	71.4
MW-19	10/20/2009	357.58	11.37	0.00	346.21	<50	<500	<0.5	<0.5	<0.5	<1	--	1.2J	<1	<1	<1	96.4
MW-19	1/26/2010	357.58	10.74	0.00	346.84	<50	<500	<0.5	<0.5	<0.5	<1	--	2.3	<1	<1	<1	90.5

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
MW-19	4/7/2010	357.58	10.46	0.00	347.12	<50	<500	<0.5	<0.5	<0.5	<1	--	1.3J	<1	<1	<1	39.2
MW-19	7/7/2010	357.58	9 .11	0.00	348.47	<50	<500	<0.5	<0.5	<0.5	<1	--	1.2J	<1	<1	<1	46.1
MW-19	10/18/2010	357.58	11.35	0.00	346.23	<50	<500	<0.5	<0.5	<0.5	<1	--	11.6	<1	<1	<1	100
MW-19	1/13/2011	357.58	7 .90	0.00	349.68	<50	<500	<0.5	<0.5	<0.5	<1	--	6.8	<1	<1	<1	74.8
MW-19	4/11/2011	357.58	9 .55	0.00	348.03	<50	<500	<0.5	<0.5	<0.5	<1	--	2.5	<1	<1	<1	36.9
MW-19	7/12/2011	357.58	9 .93	0.00	347.65	<50	<500	<0.5	<0.5	<0.5	<1	--	3.6	<1	<1	<1	32.9
MW-19	10/6/2011	357.58	10.40	0.00	347.18	<50	<500	<0.5	<0.5	<0.5	1.8J	--	9.0	<1	<1	<1	139
MW-19	1/23/2012	357.58	11.03	0.00	346.55	379	<500	7.5	19.5	17.8	71.6	--	26.3	<1	<1	<1	251
MW-19	4/10/2012	357.58	11.06	0.00	346.52	106	<500	<0.5	<0.5	<0.5	<1	--	9.0	<1	<1	<1	117
MW-19	7/2/2012	357.58	11.22	0.00	346.36	50J	<500	<0.5	<0.5	<0.5	<1	--	18.9	<1	<1	<1	81.0
MW-19	10/1/2012	357.58	11.25	0.00	346.33	82J	<500	<0.5	16.2	3.9	26.4	--	<1	<1	<1	<1	48.6
AMW-1	7/19/2005	NA	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--
AMW-1	7/2/2012	360.90	13.17	0.00	347.73	3950	<500	1840**	8.7	210**	209	--	170	<1	<1	<1	101
AMW-1	10/1/2012	360.90	12.90	0.00	348.00	301	<500	24.0	3.8	18.5	21.6	--	6.5	<1	<1	<1	77.2
AMW-2	7/2/2012	360.54	12.78	0.00	347.76	2330	<500	88.2	8.7	48.6	17.4	--	371	<1	<1	<1	56.2
AMW-2	10/1/2012	360.54	12.20	0.00	348.34	1980	<500	95.9	113	78.2	232	--	40.6	<1	<1	<1	418
AMW-3	7/2/2012	360.29	12.69	0.00	347.60	31700	629J	346	53.4	1460**	7920**	--	116	<2	<2	<2	15300**

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
AMW-3	10/1/2012	360.29	12.30	0.00	347.99	12100	<500	23.2	24.9	369	1710	--	<10	<10	<10	<10	<100
AMW-4	7/2/2012	360.64	12.92	0.00	347.72	1870	<500	685**	1.1	50.1	38.9	--	105	<1	<1	<1	8390**
AMW-4	10/1/2012	360.64	13.18	0.00	347.46	676	<500	260	2.6J	33.1	9.5J	--	45.2	<5	<5	<5	5100
AMW-5	7/2/2012	358.83	11.31	0.00	347.52	846	<500	87.0	<0.5	79.7	4.8	--	20.2	<1	<1	<1	120
AMW-5	10/1/2012	358.83	11.17	0.00	347.66	330	<500	132	3.6	22.2	7.2	--	6.3	<1	<1	<1	50.0
AMW-6	7/2/2012	359.17	11.66	0.00	347.51	4130	<500	1910**	14.2	392**	215	--	205	<1	<1	<1	1590
AMW-6	10/1/2012	359.17	11.22	0.00	347.95	182	<500	21.7	2.8	8.5	8.2	--	11.0	<1	<1	<1	390
AMW-7	7/2/2012	362.04	14.60	0.00	347.44	500	518J	34.8	<0.5	2.6	4.5	--	14.0	<1	<1	<1	235
AMW-7	10/1/2012	362.04	14.56	0.00	347.48	372	<500	3.3	<0.5	0.6J	3.8	--	2.2	<1	<1	<1	131
MW-7	7/19/2005	359.61	10.37	0.00	349.24	534	<500	<1	10.3	2.5	23.0	--	<2	<2	<2	<2	<10
MW-7	10/3/2005	359.61	10.88	0.00	348.73	<50	<500	<1	1.6	<1	4.0	--	<2	<2	<2	<2	<10
MW-7	1/9/2006	359.61	11.61	0.00	348.00	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
MW-7	4/3/2006	359.61	11.72	0.00	347.89	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
MW-7	7/10/2006	359.61	11.94	0.00	347.67	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/9/2006	359.61	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/8/2007	359.61	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/9/2007	359.61	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--

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G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
MW-7	7/9/2007	359.61	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/8/2007	ABN	--.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AMW-8	7/2/2012	361.65	13.82	0.00	347.83	467	1790	1.2	<0.5	1.0	5.7	--	3.9	<1	<1	<1	25.3
AMW-8	10/1/2012	361.65	13.81	0.00	347.84	129	<500	<0.5	1.1	<0.5	2.1	--	<1	<1	<1	<1	<10
MW-9	7/19/2005	359.79	10.45	0.00	349.34	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/3/2005	359.79	11.00	0.00	348.79	112	<500	8.6	1.0	<1	2.9	--	<2	<2	<2	<2	<10
MW-9	1/9/2006	359.79	11.70	0.00	348.09	<50	<500	<1	<1	<1	2.7	--	<2	<2	<2	<2	<10
MW-9	4/3/2006	359.79	11.92	0.00	347.87	<50	<500	3.2	<1	<1	<2	--	<2	<2	<2	<2	<10
MW-12	7/19/2005	352.82	7 .48	0.00	345.34	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	10/3/2005	352.82	7 .77	0.00	345.05	<50	<500	<1	2.6	<1	5.7	--	<2	<2	<2	<2	<10
MW-12	1/9/2006	352.82	8 .10	0.00	344.72	<50	<500	<1	1.5	<1	3.8	--	<2	<2	<2	<2	<10
MW-12	4/3/2006	352.82	11.19	0.00	341.63	<50	3120	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
MW-12	7/10/2006	352.82	8 .23	0.00	344.59	71.6	823	2.9	<1	2.6	<2	--	<2	<2	<2	<2	<10
MW-12	10/9/2006	352.82	8 .38	0.00	344.44	300	746	2.9	<1	2.6	<2	--	<2	<2	<2	<2	<10
MW-12	1/8/2007	352.82	7 .70	0.00	345.12	89.9	6090	1.0	<1	<1	<2	--	<2	<2	<2	<2	<10
MW-12	4/9/2007	352.82	9 .04	0.00	343.78	<50	787	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
MW-12	7/9/2007	352.82	9 .11	0.00	343.71	<50	<500	<0.5	<0.5	<0.5	<1	--	1.6J	<1	<1	<1	<10

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G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
MW-12	10/8/2007	352.82	8 .76	0.00	344.06	<50	3370	<0.5	<0.5	<0.5	<1	--	0.7J	<1	<1	<1	<10
MW-12	1/28/2008	352.82	8 .30	0.00	344.52	<50	<500	<0.5	0.7J	<0.5	1.6J	--	<1	<1	<1	<1	<10
MW-12	4/22/2008	352.82	8 .25	0.00	344.57	<50	<500	<0.5	0.5J	<0.5	<1	--	<1	<1	<1	<1	<10
MW-12	7/7/2008	352.82	8 .25	0.00	344.57	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
MW-12	10/3/2008	352.82	8 .50	0.00	344.32	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
MW-12	1/21/2009	352.82	11.40	0.00	341.42	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	4/2/2009	352.82	8 .21	0.00	344.61	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	9/3/2009	ABAND.	--.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	7/19/2005	356.72	9 .58	0.00	347.14	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	10/3/2005	356.72	10.16	0.00	346.56	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
MW-13	1/9/2006	356.72	10.94	0.00	345.78	<50	<500	<1	2.3	<1	3.8	--	<2	<2	<2	<2	<10
MW-13	4/3/2006	356.72	10.75	0.00	345.97	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
MW-13	7/10/2006	356.72	10.90	0.00	345.82	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
MW-13	10/9/2006	356.72	10.97	0.00	345.75	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
MW-13	1/8/2007	356.72	11.58	0.00	345.14	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
MW-13	4/9/2007	356.72	11.73	0.00	344.99	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
MW-13	7/9/2007	356.72	12.12	0.00	344.60	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
MW-13	10/8/2007	356.72	12.84	0.00	343.88	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
MW-13	1/28/2008	356.72	11.41	0.00	345.31	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
MW-13	4/22/2008	356.72	11.16	0.00	345.56	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
MW-13	7/7/2008	356.72	10.74	0.00	345.98	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
MW-13	10/3/2008	356.72	11.29	0.00	345.43	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
MW-13	1/21/2009	356.72	11.45	0.00	345.27	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	4/2/2009	356.72	10.82	0.00	345.90	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	9/3/2009	ABAND.	--.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	7/19/2005	358.34	9 .75	0.00	348.59	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	10/3/2005	358.34	10.18	0.00	348.16	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
MW-14	1/9/2006	358.34	10.90	0.00	347.44	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
MW-14	4/3/2006	358.34	11.25	0.00	347.09	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
MW-14	7/10/2006	358.34	11.19	0.00	347.15	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
MW-14	10/9/2006	358.34	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	1/8/2007	358.34	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	10/8/2007	358.34	12.38	0.00	345.96	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
MW-14	1/28/2008	358.34	10.62	0.00	347.72	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10

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TABLE 2 - HISTORICAL GROUNDWATER MONITORING DATA

G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
MW-14	4/22/2008	358.34	11.25	0.00	347.09	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
MW-14	7/7/2008	358.34	11.37	0.00	346.97	<50	561	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
MW-14	10/3/2008	358.34	11.80	0.00	346.54	<50	<500	<0.5	<0.5	<0.5	<1	--	<1	<1	<1	<1	<10
MW-14	1/21/2009	358.34	11.55	0.00	346.79	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	4/2/2009	358.34	11.31	0.00	347.03	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	9/3/2009	ABAND.	--.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	7/19/2005	360.33	10.98	0.00	349.35	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	10/3/2005	360.33	11.53	0.00	348.80	<50	<500	<1	<1	<1	2.3	--	<2	<2	<2	<2	<10
MW-15	1/9/2006	360.33	12.24	0.00	348.09	<50	<500	<1	<1	<1	2.0	--	<2	<2	<2	<2	<10
MW-15	4/3/2006	360.33	12.64	0.00	347.69	<50	<500	<1	<1	<1	<2	--	<2	<2	<2	<2	<10
MW-16	7/19/2005	359.79	9 .72	0.00	350.07	813	<500	5.2	20.5	5.3	36.8	--	553	<2	<2	<2	51.7
MW-16	10/3/2005	359.79	10.11	0.00	349.68	829	<500	2.9	2.1	<1	5.4	--	795*	<2	<2.	<2	41.2
MW-16	1/9/2006	359.79	10.64	0.00	349.15	227	<500	<1	<1	<1	3.1	--	217	<2	<2	<2	<10
MW-16	4/3/2006	359.79	10.72	0.00	349.07	855	<500	<1	<1	<1	<2	--	855	<2	<2	<2	42.9
MW-16	4/9/2007	359.79	NA	--	NA	--	--	--	--	--	--	--	--	--	--	--	--
WP-15	7/19/2005	360.79	9 .18	0.00	351.61	--	--	--	--	--	--	--	--	--	--	--	--
WP-15	10/3/2005	360.79	DRY	0.00	DRY	--	--	--	--	--	--	--	--	--	--	--	--

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G&M OIL CO. STATION #40

LAGUNA HILLS, CA

(Concentration, µg/L)

Well	Date	SWE	DTW	PT	E-WATER	TPHg	TPHd	Benzene	Toluene	E-Benz	Xylenes	MTBE	MTBE (8260B)	ETBE	DIPE	TAME	TBA
WP-15	1/9/2006	360.79	DRY	0.00	DRY	--	--	--	--	--	--	--	--	--	--	--	--
WP-15	4/3/2006	360.79	6 .10	0.00	354.69	1510	7400	<1	<1	4.7	47.7	--	<2	<2	<2	<2	<10
WP-15	7/10/2006	360.79	10.78	0.00	350.01	--	--	--	--	--	--	--	--	--	--	--	--
WP-15	10/9/2006	360.79	11.65	0.00	349.14	--	--	--	--	--	--	--	--	--	--	--	--
WP-15	1/8/2007	360.79	DRY	0.00	DRY	--	--	--	--	--	--	--	--	--	--	--	--
WP-15	4/9/2007	360.79	DRY	0.00	DRY	--	--	--	--	--	--	--	--	--	--	--	--
WP-15	7/9/2007	360.79	DRY	0.00	DRY	--	--	--	--	--	--	--	--	--	--	--	--
WP-15	10/8/2007	360.79	DRY	0.00	DRY	--	--	--	--	--	--	--	--	--	--	--	--
WP-15	1/28/2008	360.79	DRY	0.00	DRY	--	--	--	--	--	--	--	--	--	--	--	--
WP-15	4/22/2008	360.79	DRY	0.00	DRY	--	--	--	--	--	--	--	--	--	--	--	--
WP-15	7/7/2008	360.79	10.75	0.00	350.04	DRY	--	--	--	--	--	--	--	--	--	--	--
WP-15	10/3/2008	360.79	11.12	0.00	349.67	--	--	--	--	--	--	--	--	--	--	--	--
WP-15	1/21/2009	360.79	7 .50	0.00	353.29	<50	<500	<0.5	<0.5	<0.5	<1	--	8.6	<1	<1	<1	<10
WP-15	4/2/2009	360.79	10.75	0.00	350.04	--	--	--	--	--	--	--	--	--	--	--	--
WP-15	9/3/2009	ABAND.	--.	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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TABLE 3
Additional Groundwater Analytical Results (EPA Method 8260B)
G & M Oil Company Service Station #40
23991 El Toro Rd., Laguna Hills, CA
(Concentrations in ug/L)

Compounds	Date	BYA-7	BYA-8	BYA-9	BYA-10	BYA-11	BYA-13	BYA-21	BYA-22	BYA-23	BYA-24	BYA-25	BYA-26	BYA-27	BYA-28	BYA-29
1,2-Dichloroethane	4/3/2006	<25	<5	<5	<5	<5	<10	<5	<5	<50	<5	<5	13.5	<5	<5	<5
	10/9/2006	<50	<5	<10	--	ABAN	14.5	<5	<5	<250	<10	<5	<5	<5	<5	5.8
	1/8/2007	<50	<5	<5	--	ABAN	14.2	<5	<5	<50	<10	<5	9.3	<5	<5	6.3
	4/9/2007	<5	1.1J	<0.5	--	ABAN	18.7	<0.5	<0.5	<10	<1.25	<0.5	<0.5	<0.5	3.1J	6
	7/9/2007	<5	1.3J	<0.5	--	ABAN	16.0	<0.5	<0.5	<10	<5	<0.5	6.6	<0.5	5.5	4.3J
	10/8/2007	<5	0.6J	<0.5	<0.5	ABAN	3.1J	<1	<0.5	<50	<2.5	<0.5	6.6	<0.5	7.6	2.0J
	1/28/2008	<0.5	<0.5	<0.5	<0.5	ABAN	21.3	<0.5	<0.5	<25	<0.5	<0.5	1.3J	<0.5	3.85	1.9J
	04/21-22/08	<0.5	<0.5	<0.5	<0.5	ABAN	2.1	<0.5	<0.5	<25	<0.5	<0.5	0.9J	<0.5	<0.5	<0.5
	7/7/2008	<0.5	<0.5	<0.5	<0.5	ABAN	2.3	<0.5	<0.5	<50	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5
	10/3/2008	<1	<0.5	<0.5	<0.5	ABAN	16.8	<0.5	<0.5	<10	<1	<0.5	4.4J	<0.5	13.8	7.9
	1/21/2009	<1	<0.5	<0.5	--	ABAN	1.2J	<0.5	<0.5	<5	<1	--	<0.5	--	2.2J	--
	4/2/2009	<0.5	<0.5	<0.5	--	ABAN	<0.5	<0.5	<0.5	<10	<0.5	--	<0.5	--	<0.5	--
	7/20/2009	--	<0.5	<0.5	--	ABAN	3.4J	<0.5	<0.5	<5	<0.5	--	<0.5	--	2.4J	--
	10/20/2009	ABAN	<0.5	<0.5	ABAN	ABAN	--	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	1.5J	1.4J
	1/26/2010	ABAN	<0.5	<0.5	ABAN	ABAN	1.5J	<0.5	<0.5	<1.25	<0.5	--	<0.5	--	2.0J	--
	4/7/2010	ABAN	<0.5	<0.5	ABAN	ABAN	1.0J	<0.5	<0.5	<2.5	<0.5	--	<0.5	--	<0.5	--
	7/7/2010	ABAN	<0.5	<0.5	ABAN	ABAN	2.0J	<0.5	<0.5	<5	<0.5	--	<0.5	--	<0.5	--
	10/18/2010	ABAN	<0.5	<0.5	ABAN	ABAN	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	1/13/2011	ABAN	<0.5	<0.5	ABAN	ABAN	<0.5	<0.5	<0.5	<5	<0.5	--	<0.5	--	1.2J	--
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	3.4J	<0.5	<0.5	<0.5	<0.5	ABAN	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<0.5	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<0.5	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	2.2J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
Isopropylbenzene	7/19/2005	<5	<5	<5	--	<5	<5	<5	<5	<5	<5	--	<5	--	<5	--
	10/3/2005	<50	<5	<5	<5	<5	<5	<5	<5	<50	<10	<5	<5	<5	<5	<5
	4/3/2006	42.5	<5	12.6	<5	<5	<10	<5	<5	<50	8.7	<5	<5	<5	<5	<5
	7/10/2006	70.9	<5	<5	<5	--	<10	<5	<5	<250	11.2	<5	<5	<5	<5	<5
	10/9/2006	69.6	<5	<10	--	ABAN	<5	<5	<5	<250	22.3	<5	<5	<5	<5	<5
	1/8/2007	72.3	<5	6.6	--	ABAN	<5	<5	<5	<50	20.9	<5	<5	<5	<5	<5
	4/9/2007	57	<1	6.1	--	ABAN	<1	<1	<1	<20	<2.5	<1	<1	<1	<1	<1
	7/9/2007	54.2	<1	14.4	--	ABAN	<1	<1	<1	26.4J	<10	<1	<1	<1	<1	<1
	10/8/2007	42.1J	<1	3.8J	<1	ABAN	<1	<2	1.5J	<100	<5	<1	<1	<1	<1	<1
	1/28/2008	<1	<1	<1	<1	ABAN	<2.5	<1	<1	<50	<1	<1	<1	<1	<1	<1
	04/21-22/08	<1	<1	<1	<1	ABAN	<1	<1	<1	<50	<1	<1	<1	<1	<1	<1
	7/7/2008	<1	<1	<1	<1	ABAN	<1	<1	<1	<100	<5	<1	<1	<1	<1	<1
	10/3/2008	<2	<1	<1	<1	ABAN	<1	<1	<1	<20	<2	<1	<1	<1	<1	<1
	1/21/2009	<2	<1	<1	--	ABAN	<1	<1	<1	<10	<2	--	<1	--	<1	--
	4/2/2009	<1	<1	<1	--	ABAN	<1	<1	<1	<20	1.4J	--	<1	--	<1	--
	7/20/2009	--	<1	<1	--	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/20/2009	ABAN	<1	<1	ABAN	ABAN	--	<1	<1	<10	<1	<1	<1	<1	<1	<1
	1/26/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<2.5	<1	--	<1	--	<1	--
	4/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<5	<1	--	<1	--	<1	--
	7/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/18/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1
	1/13/2011	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	1.3J	--	<1	--	<1	--
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	<1	1.4J	<1	ABAN	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	1.3J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
n-Propylbenzene	7/19/2005	<5	<5	<5	--	<5	<5	<5	<5	<5	<5	--	<5	--	<5	--
	10/3/2005	<50	<5	<5	<5	<5	<5	<5	<5	<50	<10	<5	<5	<5	<5	<5
	4/3/2006	90	<5	17.7	<5	<5	<10	<5	<5	<50	<5	<5	<5	<5	<5	<5
	7/10/2006	196	<5	<5	<5	--	<10	<5	<5	<250	<5	<5	<5	<5	<5	<5
	10/9/2006	152	<5	<10	--	ABAN	<5	<5	<5	<250	<10	<5	<5	<5	<5	<5
	1/8/2007	170	<5	5.7	--	ABAN	<5	<5	<5	<50	<10	<5	<5	<5	<5	<5
	4/9/2007	132	<1	8.2	--	ABAN	<1	<1	<1	<20	<2.5	<1	<1	<1	<1	<1
	7/9/2007	205	<1	32.7	--	ABAN	<1	<1	<1	77.4J	<10	<1	<1	<1	<1	<1
	10/8/2007	105	<1	4.1	<1	ABAN	<1	<2	<1	<100	<5	<1	<1	<1	<1	<1
	1/28/2008	<1	<1	16.9	<1	ABAN	<2.5	<1	<1	<50	<1	<1	<1	<1	<1	<1
	04/21-22/08	<1	<1	<1	<1	ABAN	<1	<1	<1	<50	<1	<1	<1	<1	<1	<1
	7/7/2008	<1	<1	<1	<1	ABAN	<1	<1	<1	<100	<5	<1	<1	<1	<1	<1
	10/3/2008	2.0J	<1	<1	<1	ABAN	<1	<1	<1	<20	<2	<1	<1	<1	<1	<1
	1/21/2009	<2	<1	<1	--	ABAN	<1	<1	<1	<10	3.2J	--	<1	--	<1	--
	4/2/2009	1.8J	<1	<1	--	ABAN	<1	<1	<1	<20	3.0J	--	<1	--	<1	--
	7/20/2009	--	<1	<1	--	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/20/2009	ABAN	<1	<1	ABAN	ABAN	--	<1	<1	<10	1.7J	<1	<1	<1	<1	<1
	1/26/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<2.5	<1	--	<1	--	<1	--
	4/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<5	<1	--	<1	--	<1	--
	7/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/18/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1
	1/13/2011	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	20.6J	1.9J	--	<1	--	<1	--
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	<1	4.1J	<1	ABAN	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	1.4J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	1.2J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN

TABLE 3
Additional Groundwater Analytical Results (EPA Method 8260B)
G & M Oil Company Service Station #40
23991 El Toro Rd., Laguna Hills, CA
(Concentrations in ug/L)

Compounds	Date	BYA-7	BYA-8	BYA-9	BYA-10	BYA-11	BYA-13	BYA-21	BYA-22	BYA-23	BYA-24	BYA-25	BYA-26	BYA-27	BYA-28	BYA-29
1,3,5-Trimethylbenzene	7/19/2005	14	<5	<5	--	<5	<5	<5	<5	<5	<5	--	<5	--	<5	--
	10/3/2005	268	<5	<5	<5	<5	<5	<5	<5	<50	<10	<5	<5	<5	<5	<5
	4/3/2006	44.6	<5	13.2	<5	<5	<5	<5	<5	<50	9.1	<5	<5	<5	<5	<5
	7/10/2006	348	<5	<5	<5	--	<10	<5	<5	455	<5	<5	<5	<5	<5	<5
	10/9/2006	234	<5	<10	--	ABAN	<5	<5	<5	<250	23.4	<5	<5	<5	<5	<5
	1/8/2007	151	<5	<5	--	ABAN	<5	<5	<5	<50	<10	<5	<5	<5	<5	<5
	4/9/2007	90.4	<1	8.2	--	ABAN	<1	<1	<1	<20	<2.5	<1	<1	<1	<1	<1
	7/9/2007	190	<1	<1	--	ABAN	<1	<1	<1	<20	<10	<1	<1	<1	<1	<1
	10/8/2007	157	<1	<1	<1	ABAN	<1	<2	<1	<100	<5	<1	<1	<1	<1	<1
	1/28/2008	<1	<1	<1	<1	ABAN	<2.5	<1	<1	<50	<1	<1	<1	<1	<1	<1
	04/21-22/08	1.1J	<1	<1	<1	ABAN	<1	<1	<1	<50	<1	<1	<1	<1	<1	<1
	7/7/2008	2.1	<1	<1	<1	ABAN	<1	<1	<1	<100	<5	<1	<1	<1	<1	<1
	10/3/2008	<2	<1	<1	<1	ABAN	<1	<1	<1	<20	<2	<1	<1	<1	<1	<1
	1/21/2009	6.9J	2.8J	1.3J	--	ABAN	<1	2.4J	1.4J	<10	7.4J	--	<1	--	<1	--
	4/2/2009	6.7	<1	<1	--	ABAN	<1	<1	<1	<20	1.4J	--	<1	--	<1	--
	7/20/2009	--	<1	<1	--	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/20/2009	ABAN	<1	<1	ABAN	ABAN	--	<1	<1	<10	<1	<1	<1	<1	<1	<1
	1/26/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<2.5	<1	--	<1	--	<1	--
	4/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<5	<1	--	<1	--	<1	--
	7/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/18/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1
	1/13/2011	ABAN	<1	<1	ABAN	ABAN	<1	<1	2.2J	30.0J	<1	--	<1	--	<1	--
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	<1	32.9J	<1	ABAN	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	2.5J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
tert-Butylbenzene	7/19/2005	<5	<5	<5	--	<5	<5	<5	<5	<5	<5	--	<5	--	<5	--
	10/3/2005	200	<5	<5	<5	<5	<5	<5	<5	<50	<10	<5	<5	<5	<5	<5
	1/8/2007	<5	<5	<5	--	ABAN	<5	<5	<5	<50	<10	<5	<5	<5	<5	<5
	7/9/2007	<5	<5	<5	--	ABAN	<5	<5	<5	<50	<10	<5	<5	<5	<5	<5
	10/8/2007	<10	<1	<1	<1	ABAN	<1	<2	<1	<100	<5	<1	<1	<1	<1	<1
	1/28/2008	<1	<1	<1	<1	ABAN	<2.5	<1	<1	<50	<1	<1	<1	<1	<1	<1
	04/21-22/08	<1	<1	<1	<1	ABAN	<1	<1	<1	<50	<1	<1	<1	<1	<1	<1
	7/7/2008	<1	<1	<1	<1	ABAN	<1	<1	<1	<100	<5	<1	<1	<1	<1	<1
	10/3/2008	<2	<1	<1	<1	ABAN	<1	<1	<1	<20	<2	<1	<1	<1	<1	<1
	1/21/2009	<2	<1	<1	--	ABAN	<1	<1	<1	<10	<2	--	<1	--	<1	--
	4/2/2009	<1	<1	<1	--	ABAN	<1	<1	<1	<20	<1	--	<1	--	<1	--
	7/20/2009	--	<1	<1	--	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/20/2009	ABAN	<1	<1	ABAN	ABAN	--	<1	<1	<10	<1	<1	<1	<1	<1	<1
	1/26/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<2.5	<1	--	<1	--	<1	--
	4/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<5	<1	--	<1	--	<1	--
	7/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/18/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1
	1/13/2011	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	<1	<1	<1	ABAN	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
1,2,4-Trimethylbenzene	7/19/2005	74.4	7	5.2	--	14.7	7.8	8.4	<5	<5	6.9	--	<5	--	6.9	--
	10/3/2005	1250	<5	<5	<5	<5	5.3	<5	6.5	114	<10	<5	5.3	<5	4.7	<5
	4/3/2006	719	<5	<5	<5	<5	11.2	<5	<5	627**	8.7	<5	<5	<5	<5	<5
	7/10/2006	1430	<5	<5	<5	--	<10	<5	5.5	1040	<5	<5	<5	<5	<5	<5
	10/9/2006	1210	<5	<10	--	ABAN	<5	<5	<5	<250	<10	<5	<5	<5	<5	<5
	1/8/2007	1280	<5	<5	--	ABAN	<5	<5	<5	94.5	<10	<5	<5	<5	<5	<5
	4/9/2007	1000	<1	<1	--	ABAN	<1	<1	<1	93.8J	<2.5	<1	<1	<1	<1	<1
	7/9/2007	1640	<1	<1	--	ABAN	<1	<1	<1	408	<10	<1	<1	<1	<1	<1
	10/8/2007	822	<1	<1	<1	ABAN	<1	<2	<1	70.0J	<5	<1	<1	<1	<1	<1
	1/28/2008	1.4J	2.2J	<1	1.3J	ABAN	<2.5	<1	<1	<50	<1	<1	1.5J	<1	<1	<1
	04/21-22/08	3.7J	<1	<1	<1	ABAN	<1	<1	1.0J	<50	1.7J	<1	<1	<1	<1	<1
	7/7/2008	8.5	<1	<1	<1	ABAN	<1	<1	<1	<100	<5	<1	<1	<1	<1	<1
	10/3/2008	8.1J	<1	<1	<1	ABAN	<1	<1	<1	<20	2.4J	<1	<1	<1	<1	<1
	1/21/2009	34.0	9.1	4.1J	--	ABAN	2.2J	7.1	5.8	17.8J	16.0	--	1.1J	--	2.6J	--
	4/2/2009	21.5	<1	1.5J	--	ABAN	<1	<1	1.1J	<20	3.7J	--	<1	--	<1	--
	7/20/2009	--	<1	<1	--	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/20/2009	ABAN	<1	<1	ABAN	ABAN	--	<1	<1	11.5J	<1	<1	<1	<1	<1	<1
	1/26/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	11.7J	<1	--	<1	--	<1	--
	4/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<5	<1	--	<1	--	<1	--
	7/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/18/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1
	1/13/2011	ABAN	<1	<1	ABAN	ABAN	<1	<1	6.1	57.3	1.1J	--	<1	--	<1	--
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	2.1J	1.1J	1.5J	5.1	<1	ABAN	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	9.6	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	1.9J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	2.2J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN

TABLE 3
Additional Groundwater Analytical Results (EPA Method 8260B)
G & M Oil Company Service Station #40
23991 El Toro Rd., Laguna Hills, CA
(Concentrations in ug/L)

Compounds	Date	BYA-7	BYA-8	BYA-9	BYA-10	BYA-11	BYA-13	BYA-21	BYA-22	BYA-23	BYA-24	BYA-25	BYA-26	BYA-27	BYA-28	BYA-29
n-Butylbenzene	7/19/2005	<5	<5	<5	--	<5	<5	<5	<5	<5	<5	--	<5	--	<5	--
	10/3/2005	<50	<5	<5	<5	<5	<5	<5	<5	<50	<10	<5	<5	<5	<5	<5
	4/3/2006	<25	<5	<5	<5	<5	<10	<5	<5	<50	<5	<5	<5	<5	<5	<5
	4/9/2007	8.8J	<1	1.2J	--	ABAN	<1	<1	<1	<20	2J	<1	<1	<1	<1	<1
	10/8/2007	19.9J	<1	3.4J	--	ABAN	<1	<1	<1	<20	4.3J	<1	<1	<1	<1	<1
	1/28/2008	11.8J	<1	1.1J	<1	ABAN	<1	2.4J	<1	<100	<5	<1	<1	<1	<1	<1
	04/21-22/08	<1	<1	1.9J	<1	ABAN	<2.5	<1	<1	<50	<1	<1	<1	<1	<1	<1
	4/21-22/2008	<1	<1	<1	<1	ABAN	<1	<1	<1	<50	<1	<1	<1	<1	<1	<1
	7/7/2008	<1	<1	<1	<1	ABAN	<1	<1	<1	<100	<5	<1	<1	<1	<1	<1
	10/3/2008	<2	<1	<1	<1	ABAN	<1	<1	<1	<20	<2	<1	<1	<1	<1	<1
	1/21/2009	<2	<1	<1	--	ABAN	<1	<1	<1	<10	<2	--	<1	--	<1	--
	4/2/2009	<1	<1	<1	--	ABAN	<1	<1	<1	<20	1.2J	--	<1	--	<1	--
	7/20/2009	--	<1	<1	--	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/20/2009	ABAN	<1	<1	ABAN	ABAN	--	<1	<1	<10	<1	<1	<1	<1	<1	<1
	1/26/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<2.5	<1	--	<1	--	<1	--
	4/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<5	<1	--	<1	--	<1	--
	7/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/18/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1
	1/13/2011	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	3.8J	--	<1	--	<1	--
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	<1	<1	<1	ABAN	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
Naphthalene	7/19/2005	26.6	6.5	10.2	--	11.7	7.1	7.5	<5	11.5	<5	--	5.9	--	<5	--
	10/3/2005	67.5	5	8.8	8.8	5.8	9.2	4J	<5	108	<10	7.1	6.5	5.9	8.3	<5
	4/3/2006	48.5	<5	26.2	<5	<5	16.3	<5	<5	281**	<5	<5	<5	<5	<5	<5
	7/10/2006	97.2	<5	10	<5	--	10	<5	<5	726	8.1	<5	<5	<5	<5	<5
	10/9/2006	30.6J	<5	<10	--	ABAN	<5	<5	<5	<250	<10	<5	<5	<5	<5	<5
	1/8/2007	80.1	<5	<5	--	ABAN	<5	<5	<5	<50	<10	<5	<5	<5	<5	<5
	4/9/2007	50.6	<1	7.4	--	ABAN	<1	<1	<1	56.4J	4.1J	<1	<1	<1	<1	<1
	7/9/2007	570	<1	35.2	--	ABAN	<1	<1	<1	104	5.6J	<1	<1	<1	<1	<1
	10/8/2007	120	<1	2.2J	<1	ABAN	<1	<2	<1	58.0J	<5	<1	<1	<1	<1	<1
	1/28/2008	1.5J	1.7J	20.3	<1	ABAN	<2.5	1.3J	1.4J	<50	2.2J	<1	1.4J	<1	<1	<1
	04/21-22/08	<1	<1	9.7	<1	ABAN	<1	<1	<1	<50	19.5	<1	<1	<1	<1	<1
	7/7/2008	5.9	<1	8.8	<1	ABAN	<1	<1	<1	<100	<5	<1	<1	<1	<1	<1
	10/3/2008	9.2J	<1	4.7J	<1	ABAN	<1	<1	<1	46.6	11.9	<1	<1	<1	<1	<1
	1/21/2009	11.7	<1	1.8J	--	ABAN	<1	<1	14.0	61.2	16.2	--	<1	--	1.1J	--
	4/2/2009	4.8J	<1	3.2J	--	ABAN	<1	<1	1.4J	<20	3.5	--	<1	--	<1	--
	7/20/2009	--	<1	1.2J	--	ABAN	<1	<1	<1	23.4J	1.9J	--	<1	--	<1	--
	10/20/2009	ABAN	<1	1.2J	ABAN	ABAN	--	<1	<1	58.2	5.3	<1	<1	<1	<1	<1
	1/26/2010	ABAN	<1	1.8J	ABAN	ABAN	1.4J	<1	<1	79.2	5.7	--	<1	--	<1	--
	4/7/2010	ABAN	<1	6.4	ABAN	ABAN	1.2J	<1	1.4J	44.7	4.9J	--	<1	--	<1	--
	7/7/2010	ABAN	<1	5.3	ABAN	ABAN	<1	<1	2.2J	25.7J	<1	--	<1	--	<1	--
	10/18/2010	ABAN	<1	3.1J	ABAN	ABAN	<1	<1	<1	66.0	4.6J	<1	<1	<1	<1	<1
	1/13/2011	ABAN	<1	3.0J	ABAN	ABAN	<1	<1	3.2J	383	46.9	--	1.6J	--	<1	--
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	2.7J	2.8J	2.7J	175	21.1	ABAN	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	3.6J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	3.0J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	2.1J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
Chloroform	4/9/2007	<10	<5	<5	--	ABAN	<5	<5	<1	<20	<2.5	<1	7.4	<1	<1	<1
	7/9/2007	<10	<1	<1	--	ABAN	<1	<1	<1	<20	<10	<1	<1	<1	<1	<1
	10/8/2007	<10	<1	<1	<1	ABAN	<1	<2	<1	<100	<5	<1	<1	<1	<1	<1
	1/28/2008	<1	<1	<1	<1	ABAN	<2.5	<1	<1	<50	<1	<1	<1	<1	<1	<1
	04/21-22/08	<1	<1	<1	<1	ABAN	<1	<1	<1	<50	<1	<1	<1	<1	<1	<1
	7/7/2008	<1	<1	<1	<1	ABAN	<1	<2	<1	<100	<5	<1	<1	<1	<1	<1
	10/3/2008	<2	<1	<1	<1	ABAN	<1	<1	<1	<20	<2	<1	<1	<1	<1	<1
	1/21/2009	<2	<1	<1	--	ABAN	<1	<1	<1	<10	<2	--	<1	--	<1	--
	4/2/2009	<1	<1	<1	--	ABAN	<1	<1	<1	<20	<1	--	<1	--	<1	--
	7/20/2009	--	<1	<1	--	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/20/2009	ABAN	<1	<1	ABAN	ABAN	--	<1	<1	<10	<1	<1	<1	<1	<1	<1
	1/26/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<2.5	<1	--	<1	--	<1	--
	4/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<5	<1	--	<1	--	<1	--
	7/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/18/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1
	1/13/2011	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	<1	<1	<1	ABAN	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN

TABLE 3
Additional Groundwater Analytical Results (EPA Method 8260B)
G & M Oil Company Service Station #40
23991 El Toro Rd., Laguna Hills, CA
(Concentrations in ug/L)

Compounds	Date	BYA-7	BYA-8	BYA-9	BYA-10	BYA-11	BYA-13	BYA-21	BYA-22	BYA-23	BYA-24	BYA-25	BYA-26	BYA-27	BYA-28	BYA-29
sec-Butylbenzene	4/9/2007	<10	<1	1.3J	--	ABAN	<1	<1	<1	<20	<2.5	<1	<1	<1	<1	<1
	7/9/2007	<10	<1	2.5J	--	ABAN	<1	<1	<1	<20	<10	<1	<1	<1	<1	<1
	10/8/2007	<10	<1	1.2J	<1	ABAN	<1	<2	1.0J	<100	<5	<1	<1	<1	<1	<1
	1/28/2008	<1	<1	2.0J	<1	ABAN	<2.5	<1	<1	<50	<1	<1	<1	<1	<1	<1
	04/21-22/08	<1	<1	2.6J	<1	ABAN	<1	<1	<1	<50	<1	<1	<1	<1	<1	<1
	7/7/2008	<1	<1	<1	<1	ABAN	<1	<2	<1	<100	<5	<1	<1	<1	<1	<1
	10/3/2008	<2	<1	<1	<1	ABAN	<1	<1	<1	<20	<2	<1	<1	<1	<1	<1
	1/21/2009	<2	<1	<1	--	ABAN	<1	<1	<1	<10	<2	--	<1	--	<1	--
	4/2/2009	<1	<1	<1	--	ABAN	<1	<1	<1	<20	<1	--	<1	--	<1	--
	7/20/2009	--	<1	<1	--	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/20/2009	ABAN	<1	<1	ABAN	ABAN	--	<1	<1	<10	<1	<1	<1	<1	<1	<1
	1/26/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<2.5	<1	--	<1	--	<1	--
	4/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<5	<1	--	<1	--	<1	--
	7/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/18/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1
	1/13/2011	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	<1	<1	<1	ABAN	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
Tetrachloroethene	7/9/2007	<10	<1	<1	--	ABAN	<1	<1	<1	<20	<10	<1	<1	<1	<1	<1
	10/8/2007	<10	<1	<1	<1	ABAN	<1	2	<1	<100	<5	<1	<1	<1	<1	<1
	1/28/2008	<1	<1	<1	<1	ABAN	<2.5	<1	<1	<50	<1	<1	<1	<1	<1	<1
	04/21-22/08	<1	<1	<1	<1	ABAN	<1	<1	<1	<50	<1	<1	<1	<1	<1	<1
	7/7/2008	<1	<1	<1	<1	ABAN	<1	<2	<1	<100	<5	<1	<1	<1	<1	<1
	10/3/2008	<2	<1	<1	<1	ABAN	<1	<1	<1	<20	<2	<1	<1	<1	<1	<1
	1/21/2009	<2	<1	<1	--	ABAN	<1	<1	<1	<10	<2	--	<1	--	<1	--
	4/2/2009	<1	<1	<1	--	ABAN	<1	<1	<1	<20	<1	--	<1	--	<1	--
	7/20/2009	--	<1	<1	--	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/20/2009	ABAN	<1	<1	ABAN	ABAN	--	<1	<1	<10	<1	<1	<1	<1	<1	<1
	1/26/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<2.5	<1	--	<1	--	<1	--
	4/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<5	<1	--	<1	--	<1	--
	7/7/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/18/2010	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1
	1/13/2011	ABAN	<1	<1	ABAN	ABAN	<1	<1	<1	<10	<1	--	<1	--	<1	--
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	<1	<1	<1	ABAN	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
Acetone	10/3/2008	<50	<25	<25	<25	ABAN	<25	<25	<25	<500	<50	<25	<25	<25	<25	<25
	1/21/2009	<50	<25	<25	--	ABAN	<25	<25	<25	<250	<50	--	<25	--	<25	--
	4/2/2009	<25	<25	<25	--	ABAN	<25	<25	<25	<500	<25	--	<25	--	<25	--
	7/20/2009	--	<25	<25	--	ABAN	<25	<25	<25	<250	<25	--	<25	--	<25	--
	10/20/2009	ABAN	<25	<25	ABAN	ABAN	--	<25	<25	<250	<25	<25	<25	<25	<25	<25
	1/26/2010	ABAN	<25	<25	ABAN	ABAN	<25	<25	<25	<62.5	<25	--	<25	--	<25	--
	4/7/2010	ABAN	<25	<25	ABAN	ABAN	<25	<25	<25	<125	<25	--	<25	--	<25	--
	7/7/2010	ABAN	<25	<25	ABAN	ABAN	<25	<25	<25	<250	<25	--	<25	--	<25	--
	10/18/2010	ABAN	<25	<25	ABAN	ABAN	<25	<25	<25	<250	<25	<25	<25	<25	<25	<25
	1/13/2011	ABAN	<25	<25	ABAN	ABAN	<25	<25	<25	<250	<25	--	<25	--	<25	--
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	<25	<25	<25	ABAN	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
2-Butanone	10/3/2008	<50	<25	<25	<25	ABAN	<25	<25	<25	<500	<50	<25	<25	<25	<25	<25
	1/21/2009	<50	<25	<25	--	ABAN	<25	<25	<25	<250	<50	--	<25	--	<25	--
	4/2/2009	<25	<25	<25	--	ABAN	<25	<25	<25	<500	<25	--	<25	--	<25	--
	7/20/2009	--	<25	<25	--	ABAN	<25	<25	<25	<250	<25	--	<25	--	<25	--
	10/20/2009	ABAN	<25	<25	ABAN	ABAN	--	<25	<25	<250	<25	<25	<25	<25	<25	<25
	1/26/2010	ABAN	<25	<25	ABAN	ABAN	<25	<25	<25	<62.5	<25	--	<25	--	<25	--
	4/7/2010	ABAN	<25	<25	ABAN	ABAN	<25	<25	<25	<125	<25	--	<25	--	<25	--
	7/7/2010	ABAN	<25	<25	ABAN	ABAN	<25	<25	<25	<250	<25	--	<25	--	<25	--
	10/18/2010	ABAN	<25	<25	ABAN	ABAN	<25	<25	<25	<250	<25	<25	<25	<25	<25	<25
	1/13/2011	ABAN	<25	<25	ABAN	ABAN	<25	<25	<25	<250	<25	--	<25	--	<25	--
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	<25	<25	<25	ABAN	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN

TABLE 3
Additional Groundwater Analytical Results (EPA Method 8260B)
G & M Oil Company Service Station #40
23991 El Toro Rd., Laguna Hills, CA
(Concentrations in ug/L)

Compounds	Date	BYA-7	BYA-8	BYA-9	BYA-10	BYA-11	BYA-13	BYA-21	BYA-22	BYA-23	BYA-24	BYA-25	BYA-26	BYA-27	BYA-28	BYA-29
Ethanol	10/3/2008	<500	<250	<250	<250	ABAN	<250	<250	<250	<5000	<500	<250	<250	<250	<250	<250
	1/21/2009	<500	<250	<250	--	ABAN	<250	<250	<250	<2500	<500	--	<250	--	<250	--
	4/2/2009	<250	<250	<250	--	ABAN	<250	<250	<250	<5000	<250	--	<250	--	<250	--
	7/20/2009	--	<250	<250	--	ABAN	<250	<250	<250	<2500	<250	--	<250	--	<250	--
	10/20/2009	ABAN	<250	<250	ABAN	ABAN	--	<250	<250	<2500	<250	<250	<250	<250	<250	<250
	1/26/2010	ABAN	<250	<250	ABAN	ABAN	<250	<250	<250	<625	<250	--	<250	--	<250	--
	4/7/2010	ABAN	<250	<250	ABAN	ABAN	<250	<250	<250	<1250	<250	--	<250	--	<250	--
	7/7/2010	ABAN	<250	<250	ABAN	ABAN	<250	<250	<250	<2500	<250	--	<250	--	<250	--
	10/18/2010	ABAN	<250	<250	ABAN	ABAN	<250	<250	<250	<2500	<250	<250	<250	<250	<250	<250
	1/13/2011	ABAN	<250	<250	ABAN	ABAN	<250	<250	<250	<2500	<250	--	<250	--	<250	--
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	<250	<250	<250	<250	<250	ABAN	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<250	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<250	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	<250	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN

TABLE 3
Additional Groundwater Analytical Results (EPA Method 8260B)
G & M Oil Company Service Station #40
23991 El Toro Rd., Laguna Hills, CA
(Concentrations in ug/L)

Compounds	Date	BYA-30	BYA-31	BYA-32	BYA-33	BYA-34	IT-1	IT-2	IT-4	IT-5	IT-6	IT-7	IT-8	IT-9	IT-10	IT-11
1,2-Dichloroethane	4/3/2006	<5	13.1	<5	<5	<5	<5	<5	<125	<5	<5	<5	--	--	--	--
	10/9/2006	<5	8	<5	<5	<5	<10	<5	<50	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	1/8/2007	<5	<5	5.1	<5	<5	<10	<5	<100	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	4/9/2007	0.9J	2.1J	<0.5	<0.5	<0.5	<1.25	<1	<25	<0.5	<0.5	<0.5	ABAN	ABAN	ABAN	ABAN
	7/9/2007	0.6J	1.0J	0.5J	<0.5	<0.5	<2.5	<1	<25	<0.5	<0.5	<0.5	ABAN	ABAN	ABAN	ABAN
	10/8/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<50	<0.5	<0.5	<0.5	ABAN	ABAN	ABAN	ABAN
	1/28/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	ABAN	ABAN	ABAN	ABAN
	04/21-22/08	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<25	<0.5	<0.5	<0.5	ABAN	ABAN	ABAN	ABAN
	7/7/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<25	<0.5	<0.5	<0.5	ABAN	ABAN	ABAN	ABAN
	10/3/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ABAN	ABAN	ABAN	ABAN
	1/21/2009	<0.5	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	ABAN	ABAN	ABAN	ABAN
	4/2/2009	<0.5	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	ABAN	ABAN	ABAN	ABAN
	7/20/2009	<0.5	--	--	--	<0.5	<0.5	--	<0.5	--	<0.5	--	ABAN	ABAN	ABAN	ABAN
	10/20/2009	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	ABAN	ABAN	ABAN	ABAN
	1/26/2010	<0.5	--	--	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	NS	ABAN	ABAN	ABAN	ABAN
	4/7/2010	<0.5	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS	ABAN	ABAN	ABAN	ABAN
	7/7/2010	<0.5	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS	ABAN	ABAN	ABAN	ABAN
	10/18/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	ABAN	ABAN	ABAN	ABAN
	1/13/2011	<0.5	--	--	--	<0.5	<0.5	<0.5	<1.25	<0.5	<0.5	--	ABAN	ABAN	ABAN	ABAN
	10/6/2011	ABAN	<0.5	ABAN	ABAN	ABAN	<0.5	<0.5	<1.25	<0.5	<0.5	<0.5	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	<0.5	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	<0.5	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	<0.5	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
Isopropylbenzene	7/19/2005	<5	--	<5	<5	<5	<5	<5	<5	<5	<5	--	<5	<5	--	<5
	10/3/2005	<5	<5	<5	<5	<5	<10	<10	84J	<5	<5	<5	<5	<5	<5	<5
	4/3/2006	<5	<5	<5	<5	<5	19	<5	<5	<5	<5	<5	78.5	<5	<5	29.7
	7/10/2006	<5	<5	<5	<5	<5	14.7	<5	77.8	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	10/9/2006	<5	<5	<5	<5	<5	18.1	<5	93.9	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	1/8/2007	<5	<5	<5	<5	<5	11.7	<5	95	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	4/9/2007	<1	<1	<1	<1	<1	4.3J	2.4J	68J	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/9/2007	<1	<1	<1	<1	<1	11.4J	2.8J	467	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/8/2007	<1	<1	<1	<1	<1	13.8J	<1	59.0J	<1	1.7J	<1	ABAN	ABAN	ABAN	ABAN
	1/28/2008	<1	<1	<1	<1	<1	<1	<1	58.5	<5	1.7J	<1	ABAN	ABAN	ABAN	ABAN
	04/21-22/08	<1	<1	<1	<1	<1	8.4	<1	62.5J	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/7/2008	<1	<1	<1	<1	<1	<1	<1	58.5J	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/3/2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/21/2009	<1	--	--	--	<1	<1	<1	<1	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	4/2/2009	<1	--	--	--	<1	<1	<1	<1	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	7/20/2009	<1	--	--	--	<1	<1	--	<1	--	<1	--	ABAN	ABAN	ABAN	ABAN
	10/20/2009	<1	<1	<1	<1	<1	<1	<1	25.2	--	1.2J	<1	ABAN	ABAN	ABAN	ABAN
	1/26/2010	<1	--	--	--	<1	<1	<1	--	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	4/7/2010	<1	--	--	--	<1	<1	<1	<1	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	7/7/2010	<1	--	--	--	<1	<1	<1	1.5J	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	10/18/2010	<1	<1	<1	<1	<1	<1	<1	2.2J	<2	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/13/2011	<1	--	--	--	<1	<1	<1	65.5	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	10/6/2011	ABAN	1.4J	ABAN	ABAN	ABAN	<1	<1	23.1J	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
n-Propylbenzene	7/19/2005	<5	--	<5	<5	<5	<5	<5	<5	<5	<5	--	<5	<5	--	<5
	10/3/2005	<5	<5	<5	<5	<5	<10	<10	220	<5	<5	<5	<5	<5	<5	<5
	4/3/2006	<5	<5	<5	<5	<5	33.4	<5	537	<5	5.7	<5	191	<5	<5	72.7
	7/10/2006	<5	<5	<5	<5	<5	17.6	<5	225	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	10/9/2006	<5	<5	<5	<5	<5	22.5	<5	271	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	1/8/2007	<5	<5	<5	<5	<5	14.3	<5	201	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	4/9/2007	<1	<1	<1	<1	<1	5.6J	3J	168J	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/9/2007	<1	<1	<1	<1	<1	25.1	4.5J	1950	<1	1.0J	<1	ABAN	ABAN	ABAN	ABAN
	10/8/2007	<1	<1	<1	<1	<1	15.4J	<1	1450	<1	3.7J	<1	ABAN	ABAN	ABAN	ABAN
	1/28/2008	<1	<1	<1	<1	<1	<1	<1	100	<5	1.4J	<1	ABAN	ABAN	ABAN	ABAN
	04/21-22/08	<1	<1	<1	<1	<1	9.1	<1	142J	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/7/2008	<1	<1	<1	<1	<1	<1	<1	129J	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/3/2008	<1	<1	<1	<1	<1	<1	<1	1.2J	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/21/2009	<1	--	--	--	<1	<1	1.4J	1.6J	<1	1.3J	--	ABAN	ABAN	ABAN	ABAN
	4/2/2009	<1	--	--	--	<1	<1	<1	2.0J	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	7/20/2009	<1	--	--	--	<1	<1	--	3.1J	--	<1	--	ABAN	ABAN	ABAN	ABAN
	10/20/2009	<1	<1	<1	<1	<1	<1	<1	74.2	--	3.0J	<1	ABAN	ABAN	ABAN	ABAN
	1/26/2010	<1	--	--	<1	<1	<1	<1	--	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	4/7/2010	<1	--	--	--	<1	<1	<1	<1	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	7/7/2010	<1	--	--	--	<1	<1	<1	6.5	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	10/18/2010	<1	<1	<1	<1	<1	<1	<1	7.6J	<2	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/13/2011	<1	--	--	--	<1	<1	<1	291	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	10/6/2011	ABAN	2.3J	ABAN	ABAN	ABAN	<1	<1	133	1.5J	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	1.6J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	1.3J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN

TABLE 3
Additional Groundwater Analytical Results (EPA Method 8260B)
G & M Oil Company Service Station #40
23991 El Toro Rd., Laguna Hills, CA
(Concentrations in ug/L)

Compounds	Date	BYA-30	BYA-31	BYA-32	BYA-33	BYA-34	IT-1	IT-2	IT-4	IT-5	IT-6	IT-7	IT-8	IT-9	IT-10	IT-11
1,3,5-Trimethylbenzene	7/19/2005	<5	--	<5	<5	<5	<5	<5	<5	<5	<5	--	<5	6	--	<5
	10/3/2005	<5	<5	<5	<5	<5	<10	<10	484	<5	<5	<5	<5	<5	<5	<5
	4/3/2006	<5	<5	<5	<5	<5	19.9	<5	167	<5	<5	<5	82.4	<5	<5	31.2
	7/10/2006	<5	<5	<5	<5	<5	15.4	<5	81.5	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	10/9/2006	<5	<5	<5	<5	<5	19	<5	98.6	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	1/8/2007	<5	<5	<5	<5	<5	<10	<5	650	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	4/9/2007	<1	<1	<1	<1	<1	<2.5	<2	371	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/9/2007	<1	<1	<1	<1	<1	<5	<2	3770	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/8/2007	<1	<1	<1	<1	<1	<5	<1	722	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/28/2008	<1	<1	<1	<1	<1	<1	<1	724	<5	<1	<1	ABAN	ABAN	ABAN	ABAN
	04/21-22/08	<1	<1	<1	<1	<1	<1	<1	770	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/7/2008	<1	<1	<1	<1	<1	<1	<1	763	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/3/2008	<1	<1	<1	<1	<1	<1	<1	8.6	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/21/2009	<1	--	--	--	<1	<1	4.8J	8.5	1.8J	3.1J	--	ABAN	ABAN	ABAN	ABAN
	4/2/2009	<1	--	--	--	<1	<1	<1	9.7	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	7/20/2009	<1	--	--	--	<1	<1	--	14.8	--	<1	--	ABAN	ABAN	ABAN	ABAN
	10/20/2009	<1	<1	<1	<1	<1	<1	<1	<1	--	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/26/2010	<1	--	--	--	<1	<1	<1	--	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	4/7/2010	<1	--	--	--	<1	<1	<1	4.5J	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	7/7/2010	<1	--	--	--	<1	<1	<1	9.5	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	10/18/2010	<1	<1	<1	<1	<1	<1	<1	21.6	<2	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/13/2011	<1	--	--	--	<1	<1	<1	472	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	10/6/2011	ABAN	2.8J	ABAN	ABAN	ABAN	<1	<1	193	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
tert-Butylbenzene	7/19/2005	<5	--	<5	<5	<5	<5	<5	<5	<5	<5	--	<5	<5	--	<5
	10/3/2005	<5	<5	<5	<5	<5	<10	<10	355	<5	<5	<5	<5	<5	<5	<5
	1/8/2007	<5	<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ABAN	ABAN	ABAN	ABAN
	7/9/2007	<5	<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ABAN	ABAN	ABAN	ABAN
	10/8/2007	<1	<1	<1	<1	<1	<5	<1	<100	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/28/2008	<1	<1	<1	<1	<1	<1	<1	<50	<5	<1	<1	ABAN	ABAN	ABAN	ABAN
	04/21-22/08	<1	<1	<1	<1	<1	<1	<1	<50	<5	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/7/2008	<1	<1	<1	<1	<1	<1	<1	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/3/2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/21/2009	<1	--	--	--	<1	<1	<1	<1	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	4/2/2009	<1	--	--	--	<1	<1	<1	<1	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	7/20/2009	<1	--	--	--	<1	<1	--	<1	--	<1	--	ABAN	ABAN	ABAN	ABAN
	10/20/2009	<1	<1	<1	<1	<1	<1	<1	<1	--	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/26/2010	<1	--	--	<1	<1	<1	<1	--	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	4/7/2010	<1	--	--	--	<1	<1	<1	<1	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	7/7/2010	<1	--	--	--	<1	<1	<1	<1	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	10/18/2010	<1	<1	<1	<1	<1	<1	<1	<2	<2	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/13/2011	<1	--	--	--	<1	<1	<1	<2.5	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	10/6/2011	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<5	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
1,2,4-Trimethylbenzene	7/19/2005	<5	--	<5	<5	<5	<5	<5	<5	<5	<5	--	5	27.4	--	5.2
	10/3/2005	<5	<5	<5	<5	<5	<10	<10	2160	<5	<5	<5	<5	<5	<5	<5
	4/3/2006	<5	<5	<5	<5	<5	<5	<5	5080	<5	<5	<5	11.8	<5	<5	<5
	7/10/2006	<5	<5	<5	<5	<5	<10	<5	2030	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	10/9/2006	<5	<5	<5	<5	<5	<10	<5	2340	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	1/8/2007	<5	<5	<5	<5	<5	<10	<5	2370	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	4/9/2007	<1	<1	<1	<1	<1	<2.5	<2	1610	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/9/2007	<1	<1	<1	<1	<1	<5	<2	14600	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/8/2007	<1	<1	<1	<1	<1	<5	<1	1860	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/28/2008	<1	<1	<1	<1	<1	<1	<1	2790	<5	<1	<1	ABAN	ABAN	ABAN	ABAN
	04/21-22/08	<1	<1	<1	<1	<1	<1	<1	2550	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/7/2008	<1	<1	<1	<1	<1	<1	<1	2650	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/3/2008	<1	<1	<1	<1	<1	<1	<1	36.4	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/21/2009	<1	--	--	--	<1	3.1J	20.2	34.9	8.0	15.7	--	ABAN	ABAN	ABAN	ABAN
	4/2/2009	<1	--	--	--	1.3J	<1	<1	48.3	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	7/20/2009	<1	--	--	--	<1	<1	--	65	--	1.7J	--	ABAN	ABAN	ABAN	ABAN
	10/20/2009	<1	<1	<1	<1	<1	<1	<1	580	--	4.1	<1	ABAN	ABAN	ABAN	ABAN
	1/26/2010	<1	--	--	--	<1	<1	<1	--	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	4/7/2010	<1	--	--	--	<1	<1	<1	22.3	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	7/7/2010	<1	--	--	--	<1	<1	<1	61.2	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	10/18/2010	<1	<1	<1	<1	<1	<1	<1	146	<2	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/13/2011	<1	--	--	--	<1	<1	<1	3720**	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	10/6/2011	ABAN	1.2J	ABAN	ABAN	ABAN	1.3J	<1	1920**	<1	1.4J	2.4J	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	11.3	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	2.8J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN

TABLE 3
Additional Groundwater Analytical Results (EPA Method 8260B)
G & M Oil Company Service Station #40
23991 El Toro Rd., Laguna Hills, CA
(Concentrations in ug/L)

Compounds	Date	BYA-30	BYA-31	BYA-32	BYA-33	BYA-34	IT-1	IT-2	IT-4	IT-5	IT-6	IT-7	IT-8	IT-9	IT-10	IT-11
n-Butylbenzene	7/19/2005	<5	--	<5	<5	<5	<5	<5	<5	<5	<5	--	<5	<5	--	<5
	10/3/2005	<5	<5	<5	<5	<5	<10	<10	84.3J	<5	<5	<5	<5	<5	<5	<5
	4/3/2006	<5	<5	<5	<5	<5	<5	<5	209	<5	<5	<5	12.6	<5	<5	<5
	4/9/2007	<1	<1	<1	<1	<1	1.3J	<2	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/9/2007	<1	<1	<1	<1	<1	2.1J	2.9J	583	<1	1.0J	<1	ABAN	ABAN	ABAN	ABAN
	10/8/2007	<1	<1	<1	<1	<1	<5	<1	<100	<1	2.6J	<1	ABAN	ABAN	ABAN	ABAN
	1/28/2008	<1	<1	<1	<1	<1	<1	<1	<50	<5	<1	<1	ABAN	ABAN	ABAN	ABAN
	04/21-22/08	<1	<1	<1	<1	<1	1.5J	<1	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/7/2008	<1	<1	<1	<1	<1	<1	<1	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/3/2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/21/2009	<1	--	--	--	<1	<1	<1	2.7J	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	4/2/2009	<1	--	--	--	<1	<1	<1	1.4J	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	7/20/2009	<1	--	--	--	<1	<1	--	14.8	--	<1	--	ABAN	ABAN	ABAN	ABAN
	10/20/2009	<1	<1	<1	<1	<1	<1	<1	16.9	--	7.0	<1	ABAN	ABAN	ABAN	ABAN
	1/26/2010	<1	--	--	--	<1	<1	<1	--	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	4/7/2010	<1	--	--	--	<1	<1	<1	1.5J	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	7/7/2010	<1	--	--	--	<1	<1	<1	5.8	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	10/18/2010	<1	<1	<1	<1	<1	<1	<1	3.7J	2.3J	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/13/2011	<1	--	--	--	<1	<1	<1	448**	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	10/6/2011	ABAN	1.7J	ABAN	ABAN	ABAN	<1	<1	56.0	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
Naphthalene	7/19/2005	<5	--	<5	<5	<5	<5	<5	<5	<5	<5	--	18.3	23.1	--	7.2
	4/3/2006	<5	<5	<5	<5	<5	33.4	<5	537	<5	5.7	<5	191	<5	<5	72.7
	4/3/2006	<5	<5	<5	<5	<5	44.4	<5	166	<5	<5	<2	193	<5	<5	<5
	7/10/2006	<5	<5	<5	<5	<5	<10	<5	66.8	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	10/9/2006	<5	<5	<5	<5	<5	35.6	<5	85.4	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	1/8/2007	<5	<5	<5	<5	<5	<10	<5	<100	<5	<5	<5	ABAN	ABAN	ABAN	ABAN
	4/9/2007	<1	<1	<1	<1	<1	1.6J	1.4J	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/9/2007	<1	<1	<1	<1	<1	220	17.9	635	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/8/2007	<1	<1	<1	<1	<1	<5	<1	<100	<1	<1	1.5J	ABAN	ABAN	ABAN	ABAN
	1/28/2008	1.7J	<1	<1	2.2J	1.2J	<1	<1	96.0J	<5	1.3J	<1	ABAN	ABAN	ABAN	ABAN
	04/21-22/08	<1	<1	<1	<1	<1	<1	<1	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/7/2008	<1	<1	<1	<1	<1	<1	<1	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/3/2008	<1	<1	<1	<1	<1	<1	<1	5.6	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/21/2009	<1	--	--	--	<1	1.3J	2.7J	5.5	<1	2.6J	--	ABAN	ABAN	ABAN	ABAN
	4/2/2009	<1	--	--	--	1.2J	<1	<1	8.3	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	7/20/2009	<1	--	--	--	<1	<1	--	7.5	--	1.8J	--	ABAN	ABAN	ABAN	ABAN
	10/20/2009	<1	<1	<1	<1	<1	1.8J	3.7J	62.3	--	4.7J	<1	ABAN	ABAN	ABAN	ABAN
	1/26/2010	<1	--	--	--	<1	1.9J	<1	--	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	4/7/2010	<1	--	--	--	<1	2.3J	<1	4.5J	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	7/7/2010	<1	--	--	--	<1	2.6J	<1	5.7	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	10/18/2010	<1	<1	<1	<1	<1	3.3J	<1	25.6	<2	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/13/2011	<1	--	--	--	<1	2.7J	<1	117	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	10/6/2011	ABAN	3.8J	ABAN	ABAN	ABAN	6.3	<1	90.4	<1	2.5J	8.1	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	4.4J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	2.7J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
Chloroform	4/9/2007	<1	<1	<1	<1	1.3J	<2.5	<2	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/9/2007	<1	<1	<1	<1	2.2J	<5	<2	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/8/2007	<1	<1	<1	5.1	5.4	<5	<1	<100	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/28/2008	<1	<1	<1	<1	<1	<1	<1	<50	<5	<1	<1	ABAN	ABAN	ABAN	ABAN
	04/21-22/08	<1	<1	<1	<1	2.2J	<1	<1	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/7/2008	<1	<1	<1	<1	<1	<1	<1	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/3/2008	<1	<1	<1	9.3	43.1	<1	<1	<1	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/21/2009	<1	--	--	--	<1	<1	<1	<1	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	4/2/2009	<1	--	--	--	1.1J	<1	<1	<1	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	7/20/2009	<1	--	--	--	<1	<1	--	<1	--	<1	--	ABAN	ABAN	ABAN	ABAN
	10/20/2009	<1	<1	4.0J	<1	<1	<1	<1	<1	--	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/26/2010	<1	--	--	--	<1	<1	<1	--	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	4/7/2010	<1	--	--	--	<1	<1	<1	<1	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	7/7/2010	<1	--	--	--	<1	<1	<1	<1	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	10/18/2010	<1	<1	<1	<1	<1	<1	<1	<2	<2	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/13/2011	<1	--	--	--	<1	<1	<1	<2.5	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	10/6/2011	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<5	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	3.1J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN

TABLE 3
Additional Groundwater Analytical Results (EPA Method 8260B)
G & M Oil Company Service Station #40
23991 El Toro Rd., Laguna Hills, CA
(Concentrations in ug/L)

Compounds	Date	BYA-30	BYA-31	BYA-32	BYA-33	BYA-34	IT-1	IT-2	IT-4	IT-5	IT-6	IT-7	IT-8	IT-9	IT-10	IT-11
sec-Butylbenzene	4/9/2007	<1	<1	<1	<1	<1	<2.5	<2	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/9/2007	<1	<1	<1	<1	<1	<2.5	<2	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/8/2007	<1	<1	<1	<1	<1	<5	<1	<100	<1	2.4J	<1	ABAN	ABAN	ABAN	ABAN
	1/28/2008	<1	<1	<1	<1	<1	<1	<1	<50	<5	<1	<1	ABAN	ABAN	ABAN	ABAN
	04/21-22/08	<1	<1	<1	<1	<1	<1	<1	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/7/2008	<1	<1	<1	<1	<1	<1	<1	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/3/2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/21/2009	<1	--	--	--	<1	<1	<1	<1	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	4/2/2009	<1	--	--	--	<1	<1	<1	<1	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	7/20/2009	<1	--	--	--	<1	<1	--	<1	--	<1	--	ABAN	ABAN	ABAN	ABAN
	10/20/2009	<1	<1	<1	<1	<1	4.6J	<1	<1	--	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/26/2010	<1	--	--	--	<1	<1	<1	--	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	4/7/2010	<1	--	--	--	<1	<1	<1	<1	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	7/7/2010	<1	--	--	--	<1	<1	<1	1.5J	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	10/18/2010	<1	<1	<1	<1	<1	<1	<1	<2	<2	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/13/2011	<1	--	--	--	<1	<1	<1	<2.5	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	10/6/2011	ABAN	1.0J	ABAN	ABAN	ABAN	<1	<1	<5	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
Tetrachloroethene	7/9/2007	<1	<1	<1	<1	<1	<5	2.0J	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/8/2007	<1	<1	<1	<1	<1	<5	<1	<100	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/28/2008	<1	<1	<1	<1	<1	<1	<1	<50	<5	<1	<1	ABAN	ABAN	ABAN	ABAN
	04/21-22/08	<1	<1	<1	<1	<1	<1	<1	<50	<5	<1	<1	ABAN	ABAN	ABAN	ABAN
	7/7/2008	<1	<1	<1	<1	<1	<1	<1	<50	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	10/3/2008	<1	<1	<1	<1	1.3J	<1	<1	<1	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/21/2009	<1	--	--	--	<1	<1	<1	<1	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	4/2/2009	<1	--	--	--	<1	<1	<1	<1	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	7/20/2009	<1	--	--	--	<1	<1	--	<1	--	<1	--	ABAN	ABAN	ABAN	ABAN
	10/20/2009	<1	<1	<1	<1	<1	<1	<1	<1	--	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/26/2010	<1	--	--	--	<1	<1	<1	--	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	4/7/2010	<1	--	--	--	<1	<1	<1	<1	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	7/7/2010	<1	--	--	--	<1	<1	<1	<1	<1	<1	NS	ABAN	ABAN	ABAN	ABAN
	10/18/2010	<1	<1	<1	<1	<1	<1	<1	<2	<2	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/13/2011	<1	--	--	--	<1	<1	<1	<2.5	<1	<1	--	ABAN	ABAN	ABAN	ABAN
	10/6/2011	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<5	<1	<1	<1	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	2.7	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
Acetone	10/3/2008	<25	<25	<25	<25	<25	<25	<25	<25	458	<25	<25	ABAN	ABAN	ABAN	ABAN
	1/21/2009	<25	--	--	--	<25	<25	<25	<25	<25	<25	--	ABAN	ABAN	ABAN	ABAN
	4/2/2009	<25	--	--	--	<25	<25	<25	<25	<25	<25	--	ABAN	ABAN	ABAN	ABAN
	7/20/2009	<25	--	--	--	<25	<25	--	<25	--	<25	--	ABAN	ABAN	ABAN	ABAN
	10/20/2009	<25	<25	<25	<25	189	<25	<25	744	--	<25	<25	ABAN	ABAN	ABAN	ABAN
	1/26/2010	<25	--	--	--	<25	<25	<25	--	<25	<25	NS	ABAN	ABAN	ABAN	ABAN
	4/7/2010	<25	--	--	--	<25	<25	<25	<25	<25	<25	NS	ABAN	ABAN	ABAN	ABAN
	7/7/2010	<25	--	--	--	<25	<25	<25	81.2	<25	<25	NS	ABAN	ABAN	ABAN	ABAN
	10/18/2010	<25	<25	<25	<25	<25	<25	<25	122	<50	<25	<25	ABAN	ABAN	ABAN	ABAN
	1/13/2011	<25	--	--	--	<25	<25	<25	<62.5	<25	<25	--	ABAN	ABAN	ABAN	ABAN
	10/6/2011	ABAN	<25	ABAN	ABAN	ABAN	<25	<25	<125	<25	<25	<25	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
2-Butanone	10/3/2008	<25	<25	<25	<25	<25	<25	<25	<25	324	<25	<25	ABAN	ABAN	ABAN	ABAN
	1/21/2009	<25	--	--	--	<25	<25	<25	<25	<25	<25	--	ABAN	ABAN	ABAN	ABAN
	4/2/2009	<25	--	--	--	<25	<25	<25	<25	<25	<25	--	ABAN	ABAN	ABAN	ABAN
	7/20/2009	<25	--	--	--	<25	<25	--	<25	--	<25	--	ABAN	ABAN	ABAN	ABAN
	10/20/2009	<25	<25	<25	<25	116	<25	<25	1170	--	<25	<25	ABAN	ABAN	ABAN	ABAN
	1/26/2010	<25	--	--	--	<25	<25	<25	--	<25	<25	NS	ABAN	ABAN	ABAN	ABAN
	4/7/2010	<25	--	--	--	<25	<25	<25	<25	<25	<25	NS	ABAN	ABAN	ABAN	ABAN
	7/7/2010	<25	--	--	--	<25	<25	<25	<25	<25	<25	NS	ABAN	ABAN	ABAN	ABAN
	10/18/2010	<25	<25	<25	<25	<25	<25	<25	<50	<50	<25	<25	ABAN	ABAN	ABAN	ABAN
	1/13/2011	<25	--	--	--	<25	<25	<25	<62.5	<25	<25	--	ABAN	ABAN	ABAN	ABAN
	10/6/2011	ABAN	<25	ABAN	ABAN	ABAN	<25	<25	<125	<25	<25	<25	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN

TABLE 3
Additional Groundwater Analytical Results (EPA Method 8260B)
G & M Oil Company Service Station #40
23991 El Toro Rd., Laguna Hills, CA
(Concentrations in ug/L)

Compounds	Date	BYA-30	BYA-31	BYA-32	BYA-33	BYA-34	IT-1	IT-2	IT-4	IT-5	IT-6	IT-7	IT-8	IT-9	IT-10	IT-11
Ethanol	10/3/2008	<250	<250	<250	<250	<250	<250	<250	<250	554,000*	<250	<250	ABAN	ABAN	ABAN	ABAN
	1/21/2009	<250	--	--	--	<250	<250	<250	<250	<250	<250	--	ABAN	ABAN	ABAN	ABAN
	4/2/2009	<250	--	--	--	<250	<250	<250	<250	<250	<250	--	ABAN	ABAN	ABAN	ABAN
	7/20/2009	<250	--	--	--	<250	<250	--	<250	--	<250	--	ABAN	ABAN	ABAN	ABAN
	10/20/2009	<250	<250	<250	<250	<250	<250	<250	<250	--	<250	<250	ABAN	ABAN	ABAN	ABAN
	1/26/2010	<250	--	--	--	<250	<250	<250	--	<250	<250	NS	ABAN	ABAN	ABAN	ABAN
	4/7/2010	<250	--	--	--	<250	<250	<250	<250	<250	<250	NS	ABAN	ABAN	ABAN	ABAN
	7/7/2010	<250	--	--	--	<250	<250	<250	<250	<250	<250	NS	ABAN	ABAN	ABAN	ABAN
	10/18/2010	<250	<250	<250	<250	<250	<250	<250	<500	<500	<250	<250	ABAN	ABAN	ABAN	ABAN
	1/13/2011	<250	--	--	--	<250	<250	<250	<625	<250	<250	--	ABAN	ABAN	ABAN	ABAN
	10/6/2011	ABAN	<250	ABAN	ABAN	ABAN	<250	<250	<1250	<250	<250	<250	ABAN	ABAN	ABAN	ABAN
	1/23/2012	ABAN	<250	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	7/2/2012	ABAN	<250	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN
	10/1/2012	ABAN	<250	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN

TABLE 3
Additional Groundwater Analytical Results (EPA Method 8260B)
G & M Oil Company Service Station #40
23991 El Toro Rd., Laguna Hills, CA
(Concentrations in ug/L)

Compounds	Date	IT-12	IT-13	KMW-14	KMW-16	MW-7	MW-9	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18	MW-19	WP-15	BYA-7R
1,2-Dichloroethane	4/3/2006	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA
	10/9/2006	ABAN	ABAN	<5	ABAN	--	ABAN	<5	<5	--	ABAN	--	--	<5	--	NA
	1/8/2007	ABAN	ABAN	<5	ABAN	--	ABAN	<5	<5	--	ABAN	--	<5	<5	--	NA
	4/9/2007	ABAN	ABAN	<0.5	ABAN	--	ABAN	<0.5	<0.5	--	ABAN	ABAN	<1	<0.5	--	NA
	7/9/2007	ABAN	ABAN	<0.5	ABAN	--	ABAN	<0.5	<0.5	--	ABAN	ABAN	<1	<0.5	--	NA
	10/8/2007	ABAN	ABAN	<0.5	ABAN	ABAN	ABAN	<0.5	<0.5	<0.5	ABAN	ABAN	<0.5	<0.5	--	NA
	1/28/2008	ABAN	ABAN	<0.5	ABAN	ABAN	ABAN	<0.5	<0.5	<0.5	ABAN	ABAN	<0.5	<0.5	--	NA
	4/21/2008	ABAN	ABAN	<0.5	ABAN	ABAN	ABAN	<0.5	<0.5	<0.5	ABAN	ABAN	<0.5	<0.5	--	NA
	7/7/2008	ABAN	ABAN	<0.5	ABAN	ABAN	ABAN	<0.5	<0.5	<0.5	ABAN	ABAN	<0.5	<0.5	--	NA
	10/3/2008	ABAN	ABAN	<0.5	ABAN	ABAN	ABAN	<0.5	<0.5	<0.5	ABAN	ABAN	<0.5	<0.5	--	NA
	1/21/2009	ABAN	ABAN	<0.5	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<0.5	<0.5	<0.5	<10
	4/2/2009	ABAN	ABAN	<0.5	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<0.5	<0.5	--	<5
	7/20/2009	ABAN	ABAN	<0.5	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<0.5	<0.5	--	<1.25
	10/20/2009	ABAN	ABAN	<0.5	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<0.5	<0.5	ABAN	--
	1/26/2010	ABAN	ABAN	<0.5	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<0.5	<0.5	ABAN	<2.5
	4/7/2010	ABAN	ABAN	<0.5	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<0.5	<0.5	ABAN	<2.5
	7/7/2010	ABAN	ABAN	<0.5	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<0.5	<0.5	ABAN	<2.5
	10/18/2010	ABAN	ABAN	<0.5	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<0.5	<0.5	ABAN	<10
	1/13/2011	ABAN	ABAN	<0.5	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<0.5	<0.5	ABAN	<1
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<0.5	<0.5	ABAN	<1
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<0.5	<0.5	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<0.5	<0.5	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<0.5	<0.5	ABAN	ABAN
Isopropylbenzene	7/19/2005	--	<5	<5	<5	<5	--	--	--	--	<5	<5	<5	<5	--	NA
	10/3/2005	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	--	NA
	4/3/2006	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	19.1	<5	<5	NA
	7/10/2006	--	--	<5	--	--	--	<5	<5	<5	--	--	<5	<5	--	NA
	10/9/2006	ABAN	ABAN	<5	ABAN	--	ABAN	<5	<5	--	ABAN	--	--	<5	--	NA
	1/8/2007	ABAN	ABAN	<5	ABAN	--	ABAN	<5	<5	--	ABAN	--	<5	<5	--	NA
	4/9/2007	ABAN	ABAN	<1	ABAN	--	ABAN	<1	<1	--	ABAN	ABAN	<2	<1	--	NA
	7/9/2007	ABAN	ABAN	<1	ABAN	--	ABAN	<1	<1	--	ABAN	ABAN	<2	<1	--	NA
	10/8/2007	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/28/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	04/21-22/08	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	7/7/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	10/3/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/21/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	18.4	<1	<1	57.6J
	4/2/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	<10
	7/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	<2.5
	10/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	--
	1/26/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	4/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	7/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	10/18/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	1.5J	<1	ABAN	<10
	1/13/2011	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<2
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<2
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	7.5	<1	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
n-Propylbenzene	7/19/2005	--	<5	<5	5.8	<5	--	--	--	--	<5	<5	<5	<5	--	NA
	10/3/2005	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	--	NA
	4/3/2006	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	46.4	<5	6.1	NA
	7/10/2006	--	--	<5	--	--	--	<5	<5	<5	--	--	<5	<5	--	NA
	10/9/2006	ABAN	ABAN	<5	ABAN	--	ABAN	<5	<5	--	ABAN	--	--	<5	--	NA
	1/8/2007	ABAN	ABAN	<5	ABAN	--	ABAN	<5	<5	--	ABAN	--	<5	<5	--	NA
	4/9/2007	ABAN	ABAN	<1	ABAN	--	ABAN	<1	<1	--	ABAN	ABAN	<2	<1	--	NA
	7/9/2007	ABAN	ABAN	<1	ABAN	--	ABAN	<1	<1	--	ABAN	ABAN	<2	<1	--	NA
	10/8/2007	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/28/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	04/21-22/08	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	7/7/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	10/3/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/21/2009	ABAN	ABAN	1.1J	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	49.6	<1	<1	129
	4/2/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	22.3J
	7/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	<2.5
	10/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<0.5	<0.5	ABAN	--
	1/26/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	4/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	7/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	10/18/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	5.4	<1	ABAN	<10
	1/13/2011	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	8.4J
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	1.0J	<1	ABAN	5.9J
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	1.5J	1.2J	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	31.0	<1	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	2.9J	<1	ABAN	ABAN

TABLE 3
Additional Groundwater Analytical Results (EPA Method 8260B)
G & M Oil Company Service Station #40
23991 El Toro Rd., Laguna Hills, CA
(Concentrations in ug/L)

Compounds	Date	IT-12	IT-13	KMW-14	KMW-16	MW-7	MW-9	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18	MW-19	WP-15	BYA-7R
1,3,5-Trimethylbenzene	7/19/2005	--	2	<5	<5	<5	--	--	--	--	<5	<5	<5	<5	--	NA
	10/3/2005	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	--	NA
	4/3/2006	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	20	<5	<5	NA
	7/10/2006	--	--	<5	--	--	--	<5	<5	<5	--	--	<5	<5	--	NA
	10/9/2006	ABAN	ABAN	<5	ABAN	--	ABAN	<5	<5	--	ABAN	--	--	<5	--	NA
	1/8/2007	ABAN	ABAN	<5	ABAN	--	ABAN	<5	<5	--	ABAN	--	<5	<5	--	NA
	4/9/2007	ABAN	ABAN	<1	ABAN	--	ABAN	<1	<1	--	ABAN	ABAN	<2	<1	--	NA
	7/9/2007	ABAN	ABAN	<1	ABAN	--	ABAN	<1	<1	--	ABAN	ABAN	<2	<1	--	NA
	10/8/2007	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/28/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	04/21-22/08	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	7/7/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	10/3/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/21/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	427*	<1	<1	51.4J
	4/2/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	<10
	7/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	<2.5
	10/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	--
	1/26/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	4/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	7/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	10/18/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<10
	1/13/2011	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<2
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<2
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	2.6J	2.1J	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	1.6J	3.2J	ABAN	ABAN
tert-Butylbenzene	7/19/2005	--	<5	<5	<5	<5	--	--	--	--	<5	<5	<5	<5	--	NA
	10/3/2006	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	--	NA
	10/8/2007	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/28/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	04/21-22/08	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	7/7/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	10/3/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/21/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	<1	<20
	4/2/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	<10
	7/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	<2.5
	10/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	--
	1/26/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	4/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	7/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	10/18/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<10
	1/13/2011	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<2
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<2
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
1,2,4-Trimethylbenzene	7/19/2005	ABAN	8.2	<5	ABAN	9.2	--	--	--	--	12.6	12.6	11.2	15.9	--	NA
	4/3/2006	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	98.8	<5	76.5	NA
	7/10/2006	--	--	<5	--	--	--	<5	<5	<5	--	--	<5	<5	--	NA
	10/9/2006	ABAN	ABAN	<5	ABAN	--	ABAN	<5	<5	--	ABAN	--	--	<5	--	NA
	1/8/2007	ABAN	ABAN	<5	ABAN	--	ABAN	<5	<5	--	ABAN	--	<5	<5	--	NA
	4/9/2007	ABAN	ABAN	<1	ABAN	--	ABAN	<1	<1	--	ABAN	ABAN	<2	<1	--	NA
	7/9/2007	ABAN	ABAN	<1	ABAN	--	ABAN	<1	<1	--	ABAN	ABAN	<2	<1	--	NA
	10/8/2007	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/28/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	04/21-22/08	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	7/7/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	10/3/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/21/2009	ABAN	ABAN	2.6J	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	1,260*	<1	<1	596
	4/2/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	21.2J
	7/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	<2.5
	10/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	--
	1/26/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	5.2J
	4/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	6.9J
	7/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	10/18/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<10
	1/13/2011	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	6.2J
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	1.7J	<1	ABAN	5.7J
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	10.9	9.8	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	5.4	10.2	ABAN	ABAN

TABLE 3
Additional Groundwater Analytical Results (EPA Method 8260B)
G & M Oil Company Service Station #40
23991 El Toro Rd., Laguna Hills, CA
(Concentrations in ug/L)

Compounds	Date	IT-12	IT-13	KMW-14	KMW-16	MW-7	MW-9	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18	MW-19	WP-15	BYA-7R
n-Butylbenzene	7/19/2005	ABAN	<5	<5	ABAN	<5	--	--	--	--	<5	<5	<5	<5	--	
	4/3/2006	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5	NA
	4/9/2007	ABAN	ABAN	<1	ABAN	--	ABAN	<1	<1	--	ABAN	ABAN	<2	<1	--	NA
	7/9/2007	ABAN	ABAN	<1	ABAN	--	ABAN	<1	<1	--	ABAN	ABAN	<2	<1	--	NA
	10/8/2007	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/28/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	04/21-22/08	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	7/7/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	10/3/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/21/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	49.0	<1	<1	22.6J
	4/2/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	<10
	7/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	<2.5
	10/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	--
	1/26/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	4/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	7/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	10/18/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<10
	1/13/2011	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<2
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<2
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	4.0J	<1	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
Naphthalene	7/19/2005	--	6.2	<5	6.5	<5	--	--	--	--	6.4	6.4	<5	5	--	NA
	10/3/2005	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	--	NA
	4/3/2006	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	10.2	<5	6.7	NA
	7/10/2006	--	--	<5	--	--	--	<5	<5	<5	--	--	<5	<5	--	NA
	10/9/2006	ABAN	ABAN	<5	ABAN	--	ABAN	<5	<5	--	ABAN	--	--	<5	--	NA
	1/8/2007	ABAN	ABAN	<5	ABAN	--	ABAN	<5	<5	--	ABAN	--	<5	<5	--	NA
	4/9/2007	ABAN	ABAN	<1	ABAN	--	ABAN	<1	<1	--	ABAN	ABAN	<2	<1	--	NA
	7/9/2007	ABAN	ABAN	<1	ABAN	--	ABAN	<1	<1	--	ABAN	ABAN	<2	<1	--	NA
	10/8/2007	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/28/2008	ABAN	ABAN	2.0J	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	04/21-22/08	ABAN	ABAN	2.3J	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	7/7/2008	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	10/3/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/21/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	20.3	<1	<1	206
	4/2/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	44.2J
	7/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	6.2J
	10/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	--
	1/26/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	40.1
	4/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	50.2
	7/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	7.0J
	10/18/2010	ABAN	ABAN	1.0J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<10
	1/13/2011	ABAN	ABAN	1.1J	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	54.4
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	3.9J	1.8J	ABAN	49.7
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	2.0J	<1	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	4.1J	1.7J	ABAN	ABAN
Chloroform	4/9/2007	ABAN	ABAN	<1	ABAN	--	ABAN	<0.5	<0.5	--	ABAN	ABAN	<2	<1	--	NA
	10/8/2007	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/28/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	04/21-22/08	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	7/7/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	10/3/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/21/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	<1	<20
	4/2/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	<10
	7/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	<2.5
	10/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	--
	1/26/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	4/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	7/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	10/18/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<10
	1/13/2011	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<2
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<2
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN

TABLE 3
Additional Groundwater Analytical Results (EPA Method 8260B)
G & M Oil Company Service Station #40
23991 El Toro Rd., Laguna Hills, CA
(Concentrations in ug/L)

Compounds	Date	IT-12	IT-13	KMW-14	KMW-16	MW-7	MW-9	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18	MW-19	WP-15	BYA-7R
sec-Butylbenzene	4/9/2007	ABAN	ABAN	<1	ABAN	--	ABAN	<1	<1	--	ABAN	ABAN	<2	<1	--	NA
	7/9/2007	ABAN	ABAN	<1	ABAN	--	ABAN	<1	<1	--	ABAN	ABAN	<2	<1	--	NA
	10/8/2007	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/28/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	04/21-22/08	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	7/7/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	10/3/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/21/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	<1	<20
	4/2/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	<10
	7/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	<2.5
	10/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	--
	1/26/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	4/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	7/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	10/18/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<10
	1/13/2011	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<2
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<2
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	4.9J	<1	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
Tetrachloroethene	7/9/2007	ABAN	ABAN	<1	ABAN	--	ABAN	<1	<1	--	ABAN	ABAN	<2	<1	--	NA
	10/8/2007	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/28/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	04/21-22/08	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	7/7/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	10/3/2008	ABAN	ABAN	<1	ABAN	ABAN	ABAN	<1	<1	<1	ABAN	ABAN	<1	<1	--	NA
	1/21/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	<1	<20
	4/2/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	<10
	7/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<1	<1	--	<2.5
	10/20/2009	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	--
	1/26/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	4/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	7/7/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<5
	10/18/2010	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<10
	1/13/2011	ABAN	ABAN	<1	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<2
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	<2
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<1	<1	ABAN	ABAN
Acetone	10/3/2008	ABAN	ABAN	<25	ABAN	ABAN	ABAN	<25	<25	<25	ABAN	ABAN	<25	<25	--	NA
	1/21/2009	ABAN	ABAN	<25	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<25	<25	<25	<500
	4/2/2009	ABAN	ABAN	<25	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<25	<25	--	<250
	7/20/2009	ABAN	ABAN	<25	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<25	<25	--	<62.5
	10/20/2009	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	--
	1/26/2010	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	<125
	4/7/2010	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	<125
	7/7/2010	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	<125
	10/18/2010	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	<250
	1/13/2011	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	<50
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	<50
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	ABAN
2-Butanone	10/3/2008	ABAN	ABAN	<25	ABAN	ABAN	ABAN	<25	<25	<25	ABAN	ABAN	<25	<25	--	NA
	1/21/2009	ABAN	ABAN	<25	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<25	<25	<25	<500
	4/2/2009	ABAN	ABAN	<25	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<25	<25	--	<250
	7/20/2009	ABAN	ABAN	<25	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<25	<25	--	<62.5
	10/20/2009	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	--
	1/26/2010	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	<125
	4/7/2010	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	<125
	7/7/2010	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	<125
	10/18/2010	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	<250
	1/13/2011	ABAN	ABAN	<25	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	<50
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	<50
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<25	<25	ABAN	ABAN

TABLE 3
Additional Groundwater Analytical Results (EPA Method 8260B)
G & M Oil Company Service Station #40
23991 El Toro Rd., Laguna Hills, CA
(Concentrations in ug/L)

Compounds	Date	IT-12	IT-13	KMW-14	KMW-16	MW-7	MW-9	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18	MW-19	WP-15	BYA-7R
Ethanol	10/3/2008	ABAN	ABAN	<250	ABAN	ABAN	ABAN	<250	<250	<250	ABAN	ABAN	<250	<250	--	NA
	4/2/2009	ABAN	ABAN	<250	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<250	<250	--	<2500
	7/20/2009	ABAN	ABAN	<250	ABAN	ABAN	ABAN	--	--	--	ABAN	ABAN	<250	<250	--	<625
	10/20/2009	ABAN	ABAN	<250	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<250	<250	ABAN	--
	1/26/2010	ABAN	ABAN	<250	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<250	<250	ABAN	<1250
	4/7/2010	ABAN	ABAN	<250	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<250	<250	ABAN	<1250
	7/7/2010	ABAN	ABAN	<250	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<250	<250	ABAN	<1250
	10/18/2010	ABAN	ABAN	<250	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<250	<250	ABAN	<2500
	1/13/2011	ABAN	ABAN	<250	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<250	<250	ABAN	<500
	10/6/2011	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<250	<250	ABAN	<500
	1/23/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<250	<250	ABAN	ABAN
	7/2/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<250	<250	ABAN	ABAN
	10/1/2012	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	ABAN	<250	<250	ABAN	ABAN

Additional Notes:
ug/L - micrograms per Liter; parts per million.
NS - Not Sampled
J - Result is between the MDL and the PQL; Trace concentration.
NA - Not Applicable
Well BYA-7R was installed in December 2008; the well was developed & initial sampling (for the 1Q09 event) was performed on February 19, 2009.
ABAN - Abandoned monitoring well; no more sampling

TABLE 3
Additional Groundwater Analytical Results (EPA Method 8260B)
G & M Oil Company Service Station #40
23991 El Toro Rd., Laguna Hills, CA
(Concentrations in ug/L)

Compounds	Date	AMW-1	AMW-2	AMW-3	AMW-4	AMW-5	AMW-6	AMW-7	AMW-8
1,2-Dichloroethane	7/2/2012	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
	10/1/2012	<0.5	<0.5	<5	<2.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	7/2/2012	23.7	7.6	120	0.3	11.6	32.3	3.3J	6.7
	10/1/2012	<1	4.5J	39.7J	<5	3.2J	<1	<1	<1
n-Propylbenzene	7/2/2012	69.3	26.7	360	<1	29.3	106	8.8	18.4
	10/1/2012	2.0J	14.3	144	<5	8.0	1.8J	<1	<1
1,3,5-Trimethylbenzene	7/2/2012	42.1	48.8	618*	14.3	1.8J	52.9	1.0J	<1
	10/1/2012	7.3	43.4	426	<5	1.1J	1.1J	1.2J	<1
tert-Butylbenzene	7/2/2012	<1	<1	<2	<1	<1	<1	<1	<1
	10/1/2012	<1	<1	<10	<5	<1	<1	<1	<1
1,2,4-Trimethylbenzene	7/2/2012	88.7	110	1950*	26.4	30.2	94.3	3.1J	1.9J
	10/1/2012	33.9	190	1150	22.4J	31.5	9.2	3.9J	1.90J
n-Butylbenzene	7/2/2012	6.1	18.5	60.8	4.0J	2.5J	12.1	1.9J	1.5J
	10/1/2012	1.1J	8.5	82.0	<5	1.0J	<1	<1	<1
Naphthalene	7/2/2012	45.0	11.1	302*	26.7	7.1	106	5.6	1.6J
	10/1/2012	64.2	128	215	101	19.2	41.6	2.4J	1.8J
Chloroform	7/2/2012	<1	<1	<2	9.0	<1	<1	<1	<1
	10/1/2012	<1	<1	<10	<5	<1	<1	<1	<1
sec-Butylbenzene	7/2/2012	6.1	4.9J	<2	3.2J	1.8J	7.7	2.6J	3.0J
	10/1/2012	<1	<1	<10	<5	<1	<1	<1	<1
Tetrachloroethene	7/2/2012	<1	<1	<2	<1	<1	<1	<1	<1
	10/1/2012	<1	<1	<10	<5	<1	<1	<1	<1
Acetone	7/2/2012	<25	<25	<50	<25	<25	<25	<25	<25
	10/1/2012	<25	<25	<250	<125	<25	<25	<25	<25
2-Butanone	7/2/2012	<25	<25	<50	<25	<25	<25	<25	<25
	10/1/2012	<25	<25	<250	<125	<25	<25	<25	<25
Ethanol	7/2/2012	<250	<250	<500	<250	<250	<250	<250	<250
	10/1/2012	<250	<250	<2500	<1250	<250	<250	<250	<250

Additional Notes:
ug/L - micrograms per Liter; parts per million.
NS - Not Sampled
J - Result is between the MDL and the PQL; Trace concentration.
NA - Not Applicable
Well BYA-7R was installed in December 2008; the well was developed & initial sampling (for the 1Q09 event) was performed on February 19, 2009.
ABAN - Abandoned monitoring well; no more sampling

TABLE 4

SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM

OPERATING DATA

G&M OIL COMPANY STATION #40

LAGUNA HILLS, CALIFORNIA

Date	Time	Real Time	Flow (cfm)	VW-1 (ppmv)	VW-2 (ppmv)	VW-3 (ppmv)	VW-4 (ppmv)	VW-5 (ppmv)	VW-6 (ppmv)	Closed (%)	INLET (ppmv)	EXHAUST (ppmv)	Eff. (%)	TPH Removed (Period, lbs.)	TPH Removed (To Date, lbs.)	Notes
9/16/2008	MOBILE DPE TREATMENT SYSTEM START-UP															
9/16/2008	12:00	0.00	90	-	-	-	240	190	210	0	140	0	100.00	0.00	0.00	
9/17/2008	9:30	11.10	90	-	-	-	3900	>10000	5650	0	3250	0	100.00	44.20	44.20	
9/18/2008	10:30	32.30	90	-	-	-	2650	7000	1000	0	1250	0	100.00	32.47	76.68	
9/19/2008	8:45	55.70	90	-	-	-	570	150	110	0	140	0	100.00	4.01	80.69	
9/22/2008	9:00	55.70	90	-	-	-	3800	>10000	990	0	1450	0	100.00	0.00	80.69	
9/25/2008	8:30	63.00	90	-	-	-	2850	7300	680	0	1700	0	100.00	15.21	95.90	
9/29/2008	12:00	89.90	90	-	-	-	1400	8000	1050	0	800	0	100.00	26.37	122.26	
9/30/2008	9:00	90.80	90	-	-	-	2800	>10000	3100	0	2000	0	100.00	2.21	124.47	
10/1/2008	9:00	112.70	90	-	-	-	160	2600	170	0	140	0	100.00	3.76	128.23	
10/2/2008	8:00	134.60	90	-	-	-	840	6050	750	0	630	0	100.00	16.91	145.13	
10/6/2008	8:00	163.90	90	-	-	-	-	-	-	0	140	0	100.00	5.03	150.16	
10/7/2008	13:30	193.00	90	-	-	-	630	2650	470	0	130	0	100.00	4.64	154.79	
10/8/2008	8:30	212.60	90	-	-	-	540	2850	980	0	370	0	100.00	8.89	163.68	
10/9/2008	13:00	240.70	90	-	-	-	490	5	25	0	140	0	100.00	4.82	168.50	
10/10/2008	8:30	259.70	90	-	-	-	630	3200	530	0	510	0	100.00	11.87	180.37	
10/13/2008	8:30	262.40	90	-	-	-	700	2600	140	0	420	0	100.00	1.39	181.76	
10/14/2008	7:45	285.40	90	-	-	-	-	-	-	0	130	0	100.00	3.66	185.43	
10/20/2008	8:00	292.50	90	-	-	-	-	-	-	0	130	0	100.00	1.13	186.56	
10/21/2008	13:30	320.00	90	-	-	-	-	-	-	0	1100	0	100.00	37.07	223.63	
10/22/2008	9:00	338.30	90	-	-	-	120	5250	860	0	890	0	100.00	19.96	243.58	
10/23/2008	13:00	366.80	90	-	-	-	550	310	200	0	200	0	100.00	6.98	250.57	
10/27/2008	8:30	367.80	90	-	-	-	510	6500	1000	0	1250	0	100.00	1.53	252.10	
10/28/2008	13:30	396.40	90	-	-	-	190	3300	480	0	420	0	100.00	14.72	266.82	
10/29/2008	8:30	414.50	90	-	-	-	95	3700	660	0	710	0	100.00	15.75	282.56	
10/30/2008	SYSTEM DOWN															System down (broken line).
10/31/2008	8:45	425.10	90	-	-	-	80	4100	450	0	450	0	100.00	5.84	288.41	
11/3/2008	8:30	425.90	90	-	-	-	1200	4850	970	0	1050	0	100.00	1.03	289.44	
11/4/2008	13:00	454.10	90	-	-	-	550	3650	750	0	640	0	100.00	22.11	311.55	
11/5/2008	8:30	473.80	90	-	-	-	530	3350	380	0	710	0	100.00	17.14	328.69	

TABLE 4

SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM

OPERATING DATA

G&M OIL COMPANY STATION #40

LAGUNA HILLS, CALIFORNIA

Date	Time	Real Time	Flow (cfm)	VW-1 (ppmv)	VW-2 (ppmv)	VW-3 (ppmv)	VW-4 (ppmv)	VW-5 (ppmv)	VW-6 (ppmv)	Closed (%)	INLET (ppmv)	EXHAUST (ppmv)	Eff. (%)	TPH Removed (Period, lbs.)	TPH Removed (To Date, lbs.)	Notes
11/7/2008	7:15	516.70	90	-	-	-	520	4350	500	0	790	0	100.00	41.53	370.22	
11/9/2008	13:00						SYSTEM DOWN									System down (no propane). No readings taken.
11/10/2008	7:00	517.00	90	-	-	-	620	4500	540	0	700	0	100.00	0.26	370.48	
11/11/2008	13:30	543.70	90				SYSTEM DOWN				0	0	0.00	0.00	370.48	System down (no propane).
11/13/2008	8:00	569.20	90	-	-	-	430	2950	420	0	230	0	100.00	14.71	385.19	
11/17/2008	8:30	569.90	90	-	-	-	80	4150	570	0	610	0	100.00	0.52	385.71	
11/18/2008	13:00	597.70	90	-	-	-	270	3050	350	0	530	0	100.00	18.05	403.76	
11/19/2008	8:00						SYSTEM DOWN									System down (no propane).
11/20/2008	13:00	621.50	90	-	-	-	260	3350	340	0	75	0	100.00	2.19	405.95	System manually shut down.
12/1/2008	16:00	623.10	90	-	-	-	400	4500	750	0	970	0	0.00	1.90	407.85	System manually restarted.
12/3/2008	16:00	657.00	90	-	-	-	-	-	-	0	1250	0	100.00	51.92	459.78	
12/5/2008	11:00	693.50	90	-	-	-	820	1600	290	0	620	0	100.00	27.73	487.51	
12/8/2008	9:30	694.50	90	-	-	-	200	1250	330	0	450	0	100.00	0.55	488.06	
12/9/2008	13:30	722.60	90	-	-	-	-	-	-	0	0	0	0.00	0.00	488.06	System down (no propane).
12/10/2008	9:00	730.70	90	-	-	-	190	1350	210	0	420	0	100.00	18.63	506.69	
12/11/2008	13:15	745.60	90	-	-	-	360	1900	350	0	690	0	100.00	12.60	519.28	
12/12/2008	8:45	765.50	90	-	-	-	890	1500	280	0	560	0	100.00	13.66	532.94	
12/15/2008							SYSTEM DOWN									System manually shut down (tank testing)

Notes:

cfm - cubic feet per minute

ppmv - parts per million per volume

lbs - pounds

**Flow rates from 09/16/2008 - 12/15/2008 were estimated, based on previous mobile DPE tests performed.

TABLE 5
INLET SOIL VAPOR ANALYTICAL RESULTS
G&M Oil Company Station #40
Laguna Hills, California
(Concentrations in uL/L or ppm-Vol)

Sample Date	Sample ID	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	ETBE	DIPE	TAME	TBA
9/15/2008	Inlet	3,500	47.1	89.4	16.8	83.9	2.15	<1.2	<1.2	<1.2	<16.5
9/15/2008	VW-4	5,530	110	185	23.7	107	3.64	<1.2	<1.2	<1.2	<16.5
9/15/2008	VW-5	49,000	705	1,870*	131	691	15.9	<2.4	<2.4	<2.4	<33.0
9/15/2008	VW-6	2,360	21.4	50.5	13.1	74.0	1.39	<0.6	<0.6	<0.6	<8.25
10/3/2008	Inlet	633	5.97	21.6	5.42	37.6	<0.56	<0.48	<0.48	<0.48	<6.60
10/3/2008	VW-4	599	9.82	23.6	5.55	26.1	0.25J	<0.24	<0.24	<0.24	<3.30
10/3/2008	VW-5	6,670	64.9	283	57.2	210	<0.28	<2.4	<2.4	<2.4	<33.0
10/3/2008	VW-6	573	3.03	19.1	5.65	44.0	0.19J	<0.24	<0.24	<0.24	<3.30
10/10/2008	Inlet	312	3.55	10.4	1.83	13.8	<0.28	<0.24	<0.24	<0.24	<3.30
10/10/2008	VW-4	849	14.6	34.4	6.82	37.1	0.30	<0.24	<0.24	<0.24	<3.30
10/10/2008	VW-5	<13	<0.15	0.59	0.25	2.37	<0.28	<0.24	<0.24	<0.24	<3.30
10/10/2008	VW-6	<13	<0.15	0.42	<0.11	1.58	<0.28	<0.24	<0.24	<0.24	<3.30
11/7/2008	Inlet	1,720	15.1	43.3	5.12	72.4	0.56	<0.48	<0.48	<0.48	<6.60
11/7/2008	VW-4	717	12.2	26.1	3.36	33.9	0.65	<0.24	<0.24	<0.24	<3.30
11/7/2008	VW-5	5,670	38.9	130	19.0	298	1.88	<1.2	<1.2	<1.2	<16.5
11/7/2008	VW-6	929	5.24	19.2	1.80	34.5	<0.56	<0.48	<0.48	<0.48	<6.60
11/13/2008	Inlet	1,020	8.35	27.8	3.91	57.1	0.77	<0.48	<0.48	<0.48	<6.60
11/13/2008	VW-4	676	11.4	27.0	3.34	33.6	0.37	<0.24	<0.24	<0.24	<3.30
11/13/2008	VW-5	4,670	32.1	127	25.7	313	<1.4	<1.2	<1.2	<1.2	<16.5
11/13/2008	VW-6	821	4.05	17.4	2.16	44.1	0.33	<0.24	<0.24	<0.24	<3.30
11/20/2008	Inlet	808	7.35	20.4	2.38	75.5	0.37	<0.24	<0.24	<0.24	<3.30
11/20/2008	VW-4	486	8.70	19.6	2.07	25.4	0.51	<0.24	<0.24	<0.24	<3.30
11/20/2008	VW-5	5,570	38.8	161	26.2	351	<1.4	<1.2	<1.2	<1.2	<16.5
11/20/2008	VW-6	888	5.74	16.6	1.62	38.9	0.33	<0.24	<0.24	<0.24	<3.30
12/5/2008	Inlet	1,130	9.32	4.54	3.88	71.4	0.50	<0.24	<0.24	<0.24	<3.30
12/5/2008	VW-4	1,100	11.5	44.8	4.31	81.8	0.32	<0.24	<0.24	<0.24	<3.30
12/5/2008	VW-5	2,210	17.3	46.2*	12.7	124*	<0.28	<0.24	<0.24	<0.24	<3.30
12/5/2008	VW-6	626	2.56	9.09	1.00	30.5	0.29	<0.24	<0.24	<0.24	<3.30

TABLE 5
INLET SOIL VAPOR ANALYTICAL RESULTS
G&M Oil Company Station #40
Laguna Hills, California
(Concentrations in uL/L or ppm-Vol)

Sample Date	Sample ID	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	ETBE	DIPE	TAME	TBA
12/12/2008	Inlet	906	9.98	19.1	3.16	53.9	0.74	<0.24	<0.24	<0.24	<3.30
12/12/2008	VW-4	804	12.3	45.1	7.91	65.2	0.37	<0.24	<0.24	<0.24	<3.30
12/12/2008	VW-5	2,560	10.6	49.7	10.8	173	<0.28	<0.24	<0.24	<0.24	<3.30
12/12/2008	VW-6	900	5.21	13.6	1.57	39.6	0.43	<0.24	<0.24	<0.24	<3.30

Notes:

TPHg	Total petroleum hydrocarbons, gasoline, EPA 8015M	ETBE	Ethyl tert-Butyl ether, EPA 8260B
MTBE	Methyl tert-butyl ether, EPA 8260B	DIPE	Di-isopropyl ether, EPA 8260B
<	Less than laboratory detection limit stated	TAME	tert-Amyl Methyl ether, EPA 8260B
*	Result obtained via higher dilution analysis.	TBA	tert-Butyl Alchohol, EPA 8260B

TABLE 6
GROUNDWATER MONITORING AND SAMPLING PLAN
G&M OIL COMPANY STATION #40
23991 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

WELL I.D.	MONITORING PERIOD			
	1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER
BYA-13	**G,P,S**	**G,P,S**	**G,P,S**	**G,P,S**
Chemical analysis	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*
BYA-31	**G,P,S**	**G,P,S**	**G,P,S**	**G,P,S**
Chemical analysis	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*
MW-18	**G,P,S**	**G,P,S**	**G,P,S**	**G,P,S**
Chemical analysis	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*
MW-19	**G,P,S**	**G,P,S**	**G,P,S**	**G,P,S**
Chemical analysis	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*
AMW-1	**G,P,S**	**G,P,S**	**G,P,S**	**G,P,S**
Chemical analysis	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*
AMW-2	**G,P,S**	**G,P,S**	**G,P,S**	**G,P,S**
Chemical analysis	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*
AMW-3	**G,P,S**	**G,P,S**	**G,P,S**	**G,P,S**
Chemical analysis	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*
AMW-4	**G,P,S**	**G,P,S**	**G,P,S**	**G,P,S**
Chemical analysis	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*
AMW-5	**G,P,S**	**G,P,S**	**G,P,S**	**G,P,S**
Chemical analysis	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*
AMW-6	**G,P,S**	**G,P,S**	**G,P,S**	**G,P,S**
Chemical analysis	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*
AMW-7	**G,P,S**	**G,P,S**	**G,P,S**	**G,P,S**
Chemical analysis	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*
AMW-8	**G,P,S**	**G,P,S**	**G,P,S**	**G,P,S**
Chemical analysis	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*	*TPHd, TPHg, Full Scan VOCs + Ethanol + Methanol*

NOTES:

G - GAUGE WELL
P - PURGE WELL
S - SAMPLE WELL
- NO SAMPLING
TPHg - Total Petroleum Hydrocarbon, Gasoline, EPA Method 8015M
TPHd - Total Petroleum Hydrocarbon, Diesel, EPA Method 8015M
VOCs - Volatile Organic Compounds, EPA Method 8260B Full Scan
BTEX - Benzene, Toluene, Ethylbenzene and Total Xylenes, EPA Method 8260B
Fuel Oxys - MTBE, ETBE, DIPE, TAME and TBA, EPA Method 8260B
MTBE - Methyl tert-Butyl ether
ETBE - Ethyl tert-Butyl ether
DIPE - Di-isopropyl ether
TAME - tert-Amyl Methyl ether
TBA - tert-Butyl Alcohol

APPENDIX A

ATLAS ENVIRONMENTAL ENGINEERING, INC.
3185 AIRWAY AVENUE, SUITE D-1
COSTA MESA, CA 92626
(714) 890-7129

PROJECT STATUS REPORT

G&M OIL COMPANY S.S. #40

23991 EL TORO ROAD

LAGUNA HILLS, CALIFORNIA

AE JOB NO./INV.: G40 - Q412

DATE: OCTOBER 1, 2012

OBSERVATION WELLS

NO.	DTW	DTP	PT	GALLONS	DTB	DIA.	ELEVATION			ODORS			F/P	
QUARTERLY SAMPLING			FEET	REMOVED	FEET	INCH.	CDTW	SWE	E-WAT	YES	NO	SLIGHT	YES	NO
BYA-13	17.90			80.00	30.52	6.00	17.90	364.81	346.91	-	X	-	-	X
BYA-31	16.62			38.00	30.88	4.00	16.62	363.32	346.70	-	X	-	-	X
MW-18	9.73			11.00	25.31	2.00	9.73	355.26	345.53	-	X	-	-	X
MW-19	11.25			10.00	25.30	2.00	11.25	357.58	346.33	-	X	-	-	X
AMW-1	12.90			46.00	30.45	4.00	12.90	360.90	348.00	-	X	-	-	X
AMW-2	12.20			48.00	30.50	4.00	12.20	360.54	348.34	-	X		-	X
AMW-3	12.30			48.00	30.52	4.00	12.30	360.29	347.99	-	X	-	-	X
AMW-4	13.18			46.00	30.50	4.00	13.18	360.64	347.46	-	X	-	-	X
AMW-5	11.17			48.00	30.51	4.00	11.17	358.83	347.66	-	X	-	-	X
AMW-6	11.22			51.00	30.35	4.00	11.22	359.17	347.95	-	X	-	-	X
AMW-7	14.56			42.00	30.00	4.00	14.56	362.04	347.48	-	X	-	-	X
AMW-8	13.81			44.00	30.40	4.00	13.81	361.65	347.84	-	X	-	-	X

EXPLANATION

DTW - DEPTH TO WATER FROM SURFACE
DTP - DEPTH TO PRODUCT FROM SURFACE
PT - PRODUCT THICKNESS
MEASUREMENTS IN FEET
DTB - DEPTH TO BOTTOM
DIA - WELL DIAMETER
CDTW - CORRECTED DEPTH TO WATER FOR PRESENCE OF FREE PRODUCT (USING SPECIFIC GRAVITY OF 0.755)
SWE - SURVEYED WELL HEAD ELEVATION
E-WAT - ELEVATION OF WATER
F/P - FREE PRODUCT

REMARKS

QUARTERLY SAMPLING:
THE REMOVED PRODUCT AND/OR GW MIXTURE WAS REMOVED USING A VACUUM TRUCK
EQUIPPED WITH A HOLDING TANK FOR SUBSEQUENT DISPOSAL.

FREE PRODUCT REMOVED: APPROX. 0.00 GALLONS TOTAL TO DATE: 2.00 GALLONS
GROUNDWATER(*) REMOVED: APPROX. 512.00 GALLONS TOTAL TO DATE: 25091.0 GALLONS

(*) PRODUCT/GROUNDWATER MIXTURE/DECON. WATER

ON DRUM: _____ PROD. GALLONS DIA _____ DTW _____
_____ WATER GALLONS TD _____ DTP _____

DATA RECORDED BY: EG INPUT BY: CLH

FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

SITE/JOB G&M OIL COMPANY STATION #40 DATE OCTOBER 1, 2012

ADDRESS 23991 EL TORO ROAD, LAGUNA HILLS, CA

PERSONNEL EG + VTO WEATHER SUNNY

WELL NO. BYA 13 EQUIPMENT Vac Truck

Before Purging

Total Well Depth	30.35	Ft.	Well Diameter	6	Inch.
Depth to Water	17.90	Ft.	Est. Purge Vol.	80	Gal.

Sampling Data

Initial Turbidity 17.5 Final Turbidity 8.14

D.O. 6.78 ppm ORP -215 mV

Time (MT)	13:40	1345	1350	1355	14:00	14:05
EC	1970	1990	2000	2010	2020	2010
pH	6.90	6.88	6.87	6.86	6.86	6.86
Temp. (°F)						
(°C)	25.40	25.50	25.57	25.60	25.60	25.60
Gal.	14	20	42	55	68	80
Time (MT)						
EC						
pH						
Temp. (°F)						
(°C)						
Gal.						

After Purging/Before Sample Collection

Depth to Water _____ Ft. Total Well Depth _____ Ft.

FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

SITE/JOB: G&M OIL COMPANY STATION #40 DATE: OCTOBER 1, 2012

ADDRESS: 23991 EL TORO ROAD, LAGUNA HILLS, CA

PERSONNEL: EG +VIO WEATHER: SUNNY

WELL NO.: BYA-31 EQUIPMENT: Vac Truck

Before Purging

Total Well Depth	30.95	Ft.	Well Diameter	4	Inch.
Depth to Water	16.62	Ft.	Est. Purge Vol.	38	Gal.

Sampling Data

Initial Turbidity: 12.22 Final Turbidity: 6.95

D.O.: 8.20 ppm ORP: -147 mV

Time (MT)	12:56	13:02	13:07	13:12	13:17	1325
EC	2570	2560	2550	2540	2540	2540
pH	698	697	695	693	693	693
Temp. (°F)						
(°C)	25.80	26.00	26.00	26.05	26.05	26.05
Gal.	6	12	18	24	30	38

Time (MT)						
EC						
pH						
Temp. (°F)						
(°C)						
Gal.						

After Purging/Before Sample Collection

Depth to Water	18.00	Ft.	Total Well Depth	30.95	Ft.

FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

SITE/JOB: G&M OIL COMPANY STATION #40 DATE: OCTOBER 1, 2012

ADDRESS: 23991 EL TORO ROAD, LAGUNA HILLS, CA

PERSONNEL: EG + VC WEATHER: SUNNY

WELL NO.: MW 18 EQUIPMENT: Vac Truck

Before Purging

Total Well Depth	25.20	Ft.	Well Diameter	2	Inch.
Depth to Water	9.73	Ft.	Est. Purge Vol.	11	Gal.

Sampling Data

Initial Turbidity: 16.2 Final Turbidity: 8.44

D.O. ppm ORP mV

Time (MT)	715	717	719	721	723	725
EC	2080	2070	2070	2070	2070	2070
pH	7.14	7.10	708	706	706	706
Temp. (°F)						
(°C)	2382	2384	2386	2380	2380	2380
Gal.	2	4	6	8	10	11
Time (MT)						
EC						
pH						
Temp. (°F)						
(°C)						
Gal.						

After Purging/Before Sample Collection

Depth to Water	10.30	Ft.	Total Well Depth	25.20	Ft.

FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

SITE/JOB: G&M OIL COMPANY STATION #40 DATE: OCTOBER 1, 2012

ADDRESS: 23991 EL TORO ROAD, LAGUNA HILLS, CA

PERSONNEL: EG + VO WEATHER: SUNNY

WELL NO.: MW19 EQUIPMENT: Vac Truck

Before Purging

Total Well Depth	25.18	Ft.	Well Diameter	2	Inch.
Depth to Water	11.25	Ft.	Est. Purge Vol.	10	Gal.

Sampling Data

Initial Turbidity: 12.7 Final Turbidity: 7.39

D.O.: 5.71 ppm ORP: -33 mV

Time (MT)	7:35	7:37	7:39	7:41	7:43	
EC	2210	2210	2200	2200	2200	
pH	7.05	7.04	7.03	7.03	7.03	
Temp. (°F)						
(°C)	24.95	24.60	24.27	24.29	24.29	~~24.27~~
Gal.	2	4	6	8	10	

Time (MT)						
EC						
pH						
Temp. (°F)						
(°C)						
Gal.						

After Purging/Before Sample Collection

Depth to Water _____ Ft. Total Well Depth _____ Ft.

FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

SITE/JOB: G&M OIL COMPANY STATION #40 DATE: OCTOBER 1, 2012

ADDRESS: 23991 EL TORO ROAD, LAGUNA HILLS, CA

PERSONNEL: EG AVIO WEATHER: SUNNY

WELL NO.: AW-1 EQUIPMENT: Vac Truck

Before Purging

Total Well Depth	30.48	Ft.	Well Diameter	4	Inch.
Depth to Water	12.90	Ft.	Est. Purge Vol.	46	Gal.

Sampling Data

Initial Turbidity: 19.7 Final Turbidity: 8.31

D.O.: 8.42 ppm ORP: -268 mV

Time (MT)	11:35	1140	1145	11:50	11:55	12:00
EC	2040	2030	2040	2030	2030	2030
pH	690	685	680	674	674	674
Temp. (°F)						
(°C)	2540	2545	2560	2560	2560	2560
Gal.	8	16	24	32	40	46
Time (MT)						
EC						
pH						
Temp. (°F)						
(°C)						
Gal.						

After Purging/Before Sample Collection

Depth to Water	24.00	Ft.	Total Well Depth	30.48	Ft.

FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

SITE/JOB G&M OIL COMPANY STATION #40 DATE OCTOBER 1, 2012

ADDRESS 23991 EL TORO ROAD, LAGUNA HILLS, CA

PERSONNEL EG + VIO WEATHER SUNNY

WELL NO. AW-2 EQUIPMENT Vac Truck

Before Purging

Total Well Depth	30.50	Ft.	Well Diameter	4	Inch.
Depth to Water	12.20	Ft.	Est. Purge Vol.	48	Gal.

Sampling Data

Initial Turbidity 19.7 Final Turbidity 8.41

D.O. ppm ORP -216 mV

Time (MT)	12:15	12:20	1225	1230	1235	12:40
EC	3020	3030	3030	3040	3040	3040
pH	692	694	695	695	695	695
Temp. (°F)						
(°C)	25.15	25.17	25.17	25.17	25.17	25.17
Gal.	8	16	24	32	40	48

Time (MT)						
EC						
pH						
Temp. (°F)						
(°C)						
Gal.						

After Purging/Before Sample Collection

Depth to Water _____ Ft. Total Well Depth _____ Ft.

FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

SITE/JOB: G&M OIL COMPANY STATION #40 DATE: OCTOBER 1, 2012

ADDRESS: 23991 EL TORO ROAD, LAGUNA HILLS, CA

PERSONNEL: EG + VCJ WEATHER: SUNNY

WELL NO.: AW 3 EQUIPMENT: Vac Truck

Before Purging

Total Well Depth	30.50	Ft.	Well Diameter	4	Inch.
Depth to Water	12-30	Ft.	Est. Purge Vol.	48	Gal.

Sampling Data

Initial Turbidity: 15.5 Final Turbidity: 7.24

D.O.: 4.65 ppm ORP: -229 mV

Time (MT)	9:35	9:40	9:45	9:50	9:55	10:00
EC	848	840	838	837	837	837
pH	7.25	724	724	724	724	724
Temp. (°F)						
(°C)	24.99	24.95	25.00	25	25	25
Gal.	8	16	24	32	40	48

Time (MT)						
EC						
pH						
Temp. (°F)						
(°C)						
Gal.						

After Purging/Before Sample Collection

Depth to Water	13.60	Ft.	Total Well Depth	30.50	Ft.

FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

SITE/JOB: G&M OIL COMPANY STATION #40 DATE: OCTOBER 1, 2012

ADDRESS: 23991 EL TORO ROAD, LAGUNA HILLS, CA

PERSONNEL: EG + VTO WEATHER: SUNNY

WELL NO.: DW - 4 EQUIPMENT: Vac Truck

Before Purging

Total Well Depth	30.50	Ft.	Well Diameter	4	Inch.
Depth to Water	13.18	Ft.	Est. Purge Vol.	46	Gal.

Sampling Data

Initial Turbidity: 17.5 Final Turbidity: 8.10

D.O.: 5.12 ppm ORP: -214 mV

Time (MT)	9:00	9:05	9:10	9:15	9:20	9:25
EC	2430	2430	2430	2430	2430	2430
pH	6.88	688	6.90	692	692	6.92
Temp. (°F)						
(°C)	24.67	24.68	2400	2376	2377	2377
Gal.	8	16	24	32	40	45

Time (MT)						
EC						
pH						
Temp. (°F)						
(°C)						
Gal.						

After Purging/Before Sample Collection

Depth to Water	14.15	Ft.	Total Well Depth	30.50	Ft.

FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

SITE/JOB: G&M OIL COMPANY STATION #40 DATE: OCTOBER 1, 2012

ADDRESS: 23991 EL TORO ROAD, LAGUNA HILLS, CA

PERSONNEL: EG WEATHER: SUNNY

WELL NO.: AW 5 EQUIPMENT: Vac Truck

Before Purging

Total Well Depth	29.50	Ft.	Well Diameter	4	Inch.
Depth to Water	11.17	Ft.	Est. Purge Vol.	48	Gal.

Sampling Data

Initial Turbidity: 16.5 Final Turbidity: 8.22

D.O. ppm ORP mV

Time (MT)	7:50	7:55	8:00	8:05	810	8:15
EC	1530	1530	1530	1530	1530	1530
pH	7.25	7.20	7.18	716	715	7.15
Temp. (°F)						
(°C)	25.91	2591	2591	2591	2592	2592
Gal.	8	16	24	32	40	48
Time (MT)						
EC						
pH						
Temp. (°F)						
(°C)						
Gal.						

After Purging/Before Sample Collection

Depth to Water	12.20	Ft.	Total Well Depth	29.50	Ft.

FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

SITE/JOB: G&M OIL COMPANY STATION #40 DATE: OCTOBER 1, 2012

ADDRESS: 23991 EL TORO ROAD, LAGUNA HILLS, CA

PERSONNEL: EG WEATHER: SUNNY

WELL NO.: AW 6 EQUIPMENT: Vac Truck

Before Purging

Total Well Depth	30.50	Ft.	Well Diameter	4	Inch.
Depth to Water	11.22	Ft.	Est. Purge Vol.	51	Gal.

Sampling Data

Initial Turbidity: 17.7 Final Turbidity: 8.12

D.O.: 5.00 ppm ORP: -235 mV

Time (MT)	8:25	8:30	8:35	840	8:45	8:50
EC	1720	1720	1780	1790	1790	1790
pH	7.17	710	705	702	702	702
Temp. (°F)						
(°C)	2545	2500	2490	2450	2450	2450
Gal.	8	16	25	33	42	51
Time (MT)						
EC						
pH						
Temp. (°F)						
(°C)						
Gal.						

After Purging/Before Sample Collection

Depth to Water _____ Ft. Total Well Depth _____ Ft.

FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

SITE/JOB: G&M OIL COMPANY STATION #40 DATE: OCTOBER 1, 2012

ADDRESS: 23991 EL TORO ROAD, LAGUNA HILLS, CA

PERSONNEL: EG +VIO WEATHER: SUNNY

WELL NO.: AW 7 EQUIPMENT: Vac Truck

Before Purging

Total Well Depth	30.00	Ft.	Well Diameter	4	Inch.
Depth to Water	14.56	Ft.	Est. Purge Vol.	42	Gal.

Sampling Data

Initial Turbidity: 16.10 Final Turbidity: 7.19

D.O. ppm ORP: -197 mV

Time (MT)	1015	1020	1025	1030	1035	1040
EC	2020	2020	2020	2020	2020	2020
pH	694	694	695	697	697	697
Temp. (°F)						
(°C)	25.50	25.59	25.60	25.60	25.60	25.60
Gal.	7	14	21	28	35	42
Time (MT)						
EC						
pH						
Temp. (°F)						
(°C)						
Gal.						

After Purging/Before Sample Collection

Depth to Water	15.70	Ft.	Total Well Depth	30.00	Ft.

FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

SITE/JOB G&M OIL COMPANY STATION #40 DATE OCTOBER 1, 2012

ADDRESS 23991 EL TORO ROAD, LAGUNA HILLS, CA

PERSONNEL EG + W | O WEATHER SUNNY

WELL NO. AW 8 EQUIPMENT Vac Truck

Before Purging

Total Well Depth	30.30	Ft.	Well Diameter	4	Inch.
Depth to Water	13.81	Ft.	Est. Purge Vol.	44	Gal.

Sampling Data

Initial Turbidity 19.5 Final Turbidity 8.12

D.O. 9.01 ppm ORP -221 mV

Time (MT)	10:55	11:00	11:05	11:10	11:15	1120
EC	2420	2420	2420	2430	2430	2430
pH	695	6.90	688	684	683	683
Temp. (°F)						
(°C)	25.04	25.08	25.12	25.14	25.14	25.14
Gal.	7	14	22	30	37	44

Time (MT)						
EC						
pH						
Temp. (°F)						
(°C)						
Gal.						

After Purging/Before Sample Collection

Depth to Water	15.00	Ft.	Total Well Depth	30.30	Ft.

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NON-HAZARDOUS	1	(714) 413-4105	DT-11753

5. Generator's Name and Mailing Address: G&M OIL #40
23991 EL TORO RD
Generator's Phone: LAGUNA HILLS, CA 92663 (949) 458-9933

Generator's Site Address (if different than mailing address): Same

6. Transporter 1 Company Name: Able Environmental Services — U.S. EPA ID Number: CAR000199349

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Lakeland Processing Co.
12345 Lakeland Dr
Facility's Phone: Santa Fe Springs, Ca 90670 (562) 944-6111 — U.S. EPA ID Number:

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. NON-HAZARDOUS waste Liquid.	001	TT	512	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
PROFILE #10-3491 C-28751
Wear Protective clothing

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: X Eugene Garman — Signature: X EUGENE GARMAN — Month 10 Day 1 Year 12

INT'L 15. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER 16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Mike Sanchez — Signature: Mike Sanchez — Month 10 Day 1 Year 12
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY 17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Ed Horner — Signature: Edward Horner — Month 10 Day 23 Year 12

GENERATOR

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

GROUNDWATER MONITORING PROCEDURES

Required Notifications/Review

1. Prior conducting any field work, the client, regulatory agency, and property owner/manager are notified in writing via facsimile or email. If possible, a minimum of 48 hours notice will be provided prior to conducting the field work.

2. If available, construction details of all wells will be reviewed prior to field work being conducted. This will allow determination in the field of special conditions such as; groundwater levels above or below screened interval.

Water Level/LNAPL Measurements

1. During the groundwater monitoring phase of the fieldwork, all wells are monitored for light non-aqueous phase liquid (LNAPL) using a clear plastic bailer or interface probe. All equipment is cleaned prior to and between locations via a steam cleaner or “three bucket wash” method.

2. Water level is measurements are taken in order from the historically “cleanest" wells to historically "most contaminated" wells.

3. Water levels are measured using an electronic measuring device (±0.01 foot) and are referenced to the surveyed datum (well cover or top of casing). If no survey mark is noted on the well cover, the well is marked with a permanent notch or marker on the north side of the cover for future consistent readings.

4. Recorded measurements include the depth to groundwater, depth to LNAPL and depth to bottom of well.

5. If possible, all wells are gauged on the same day to obtain accurate measurements of the potentiometric surface.

6. If LNAPL is encountered, the potentiometric surface elevation is calculated as:

$$DTWc = DTWm - (Tsph \times SGsph)$$

Where:	DTWc	= Corrected Depth to Water
	DTWm	= Measured Depth to Water
	Tsph	= Thickness of LNAPL
	SGsph	= Specific Gravity of LNAPL

If SGsph is not known, the following will be assumed:

Gasoline	0.75 g/cm^3
Diesel	0.81 g/cm^3
Jet Fuel (JP-4)	0.79 g/cm^3
#2 Fuel Oil	0.91 g/cm^3
#6 Fuel Oil	0.96 g/cm^3

7. All monitoring data is recorded on field data sheet, reviewed, transferred to a data base and incorporated in the final reporting.

GROUNDWATER SAMPLING PROCEDURES

Wells Exhibiting LNAPL

If a well exhibits measurable LNAPL thickness, sampling will not be conducted. Instead the LNAPL will be bailed from the well to the extent possible within the purging timeframe. Should a groundwater sample be required by the regulatory agency for the project, a sample is collected from the groundwater retained in a bailer lowered below the LNAPL. Wells containing LNAPL will not be purged.

Sample Collection - Purging Method

1. Wells are selected in order of increasing contaminants historically detected.

2. Integrity of the well cover, well cap and top of casing are established and noted for future reference.

3. Non-dedicated equipment is decontaminated using a steam cleaner or "three bucket" wash.

4. Depth to water, depth to LNAPL (if present) and total depth of well are determined using an electronic water level indicator or interface gauging probe in accordance with the monitoring procedures outlined.

5. Generally, well casing volume is calculated for estimating the total minimum purge volume required. The borehole volume will be used, as follows:

$$Bv = 7.48*[\{3.14(Cd/2)^2 + 3.14P[(Bd/2)^2 - (Cd/2)2]\}*(Dw-DTW)]$$

Where:
- Bv = Boring volume in gallons
- 7.48 = gallons per cubic foot
- Cd = casing diameter in feet
- P = porosity of the sand/gravel pack
- Bd = boring diameter in feet
- Dw = depth of the well in feet
- DTW = depth to water

6. Groundwater is removed from the well by bailing or pumping (using a diaphragm, down hole pump or vacuum truck) until it is determined that the well is beginning to dry or until at least four (4) well volumes have been purged and water quality parameters (pH, conductivity, turbidity and temperature) stabilized (within 10 percent of previous reading). When purging via bailing or use of pumps, the purge water is discharged into DOT-approved

55-gallon drums and is stored onsite, temporarily, for subsequent proper disposal by the generator. Disposal methods used by the generator are either off-site disposal by subcontracting a certified waste transporter to remove the stored purge water and properly dispose of the purge water at a recycling facility or use of an on-site groundwater treatment system for the treatment and discharge into either the local storm drain in accordance with an NPDES permit, re-infiltrated in accordance with a WDR permit. If groundwater is removed using a vacuum truck, the vacuum truck will store the purged water and transport it off-site to a waste disposal facility for recycling. Waste manifest will be available once received from the recycling facility.

7. After the well has recovered at least 80 percent or within two hours of purging, a sample is collected just below the water surface using a bailer (teflon, stainless steel or disposable bottom emptying) and placed into laboratory supplied containers. The containers are completely filled and the cap immediately placed over the top and securely tightened. Vials are inverted and tapped to determine if air bubbles are present. Samples are labeled, and placed on ice in an ice chest until delivery to the laboratory.

8. The following equation is used to determine 80 percent recovery:

$$Rdtw = Dw - (WCl \times 0.8)$$

Where:

Rdtw	= Recharge DTW (maximum for 80 % recovery)
Dw	= Depth of well, in feet
DTW	= Depth to water
WCl	= Water column length (TDw – DTW)

<u>Sample Collection – Micro-Purge Method</u>

1. Wells are selected in order of increasing contaminants historically detected.

2. Integrity of the well cover, well cap and top of casing are established and noted for future reference.

3. Non-dedicated equipment is decontaminated using a steam cleaner or "three bucket" wash.

4. Depth to water, depth to LNAPL (if present) and total depth of well are determined using an electronic water level indicator or interface gauging probe in accordance with the monitoring procedures outlined.

5. Groundwater is purged from the wells using a submersible, bladder or other downhole

pump at sufficiently low rates (about 0.05 to 0.5gal/min) of withdrawal that keep drawdown, aeration, and turbulence to a minimal.

6. Generally, the pump intake is positioned in the mid-point of the saturated screened interval, but a different position may be used based on hydrogeologic conditions and/or analyte properties. For petroleum hydrocarbon and oxygenate sample analysis, the pump intake is placed in theupper third of the saturated screened interval. The type of pump, flow rate, total volume of water removed, and depth of the pump intake are noted on the field log. Low-flow purging continues until temperature, pH, turbidity and conductivity stabilize. A sample is then collected from the purge water effluent stream or from a bailer.

7. For low-flow purging, water quality parameters are continuously monitored during purging as opposed to interval monitoring from standard purging. A flow through meter, Horiba 22 or equivalent, is incorporated.

Sample Collection - No Purge Method

1. Integrity of the well cover, well cap and top of casing are established and noted for future reference.

2. Non-dedicated equipment is decontaminated using a steam cleaner or "three bucket" wash.

3. Depth to water, depth to product (if present) and total depth of well are determined using an electronic water level indicator or interface gauging probe (0.01 accuracy).

4. A sample is collected just below the water surface using a bailer (Teflon, stainless steel or disposable, all bottom emptying) and placed into a laboratory supplied vial. The vial is completely filled, cap immediately placed over the top and securely tightened. The vial is inverted and tapped to determine if air bubbles are present. If none, the sample is labeled, and placed on ice in an ice chest until delivery to the laboratory.

Quality Control/Quality Assurance

1. The field data sheet is completed with all pertinent data such as; well integrity, purged water volume, pH, turbidity, temperature, and specific conductance, if available.

2. The samples are transported to the laboratory as soon as possible following chain-of-custody procedures. In the event a holding time of greater than 7 days is required, the laboratory will be requested to supply vials with the appropriate preservatives for the analyses requested.

3. Wells are sampled from the order of least to highest historic concentrations, if known.

4. Site conditions are noted which may potentially contaminate the sample i.e. smoke, vapors from running engines, etc.

5. If a single bailer is used for collection of all samples, an "equipment blank" sample will be collect following the same protocol of sample collection. The same water supply used to rinse the equipment will be used to collect the blank sample.

6. A trip blank, if required, supplied by the analytical laboratory will be stored and transported with the samples until their delivery back to the laboratory.

7. The blank samples will be analyzed for all constituents.

8. A duplicate sample will obtained and analyzed as requested.

Sample Shipment and Chain-of-Custody

Complete records are kept on each sample including sampling date, sample type, location, and other pertinent information. The sample containers are banded and sealed with chain-of-custody seals. The samples are chilled in an ice chest using block or blue ice. Care is ensured not cause sample freezing which may result in container breakage during transport to the laboratory.

Chain-of-Custody procedures, generally described in Test Methods for Evaluating Solid Waste, SW-846, U.S. EPA, 1982, are followed. A chain-of-custody form accompanies the sample from the place of collection to the laboratory, and through the completion of the analytical process. The chain-of-custody form includes project identification information, the sample type and number, the date and time of sampling, the chemical analyses requested, and the identity of the person taking possession at each change of custody.

Equipment Cleaning

When steam-cleaning is not available, the "three bucket" wash is used. The three bucket wash consists of an Alconox® solution cleaning, a tap water rinse and a distilled water rinse. No solvent (hexane) rinses will be used. For bailers, the Alconox® solution is flushed completely through the inside followed by flushing with tap and distilled water. When submersible, bladder or double-diaphragm pumps are used (non-dedicated), the solution of Alconox® is cycled through the pump body and hoses followed by similar water rinses.

Waste Storage and Disposal

The effluent and/or decontamination and/or purge water generated during the testing, equipment cleaning or groundwater sampling are placed in DOT-approved, 55-gallon, drums. The drums are sealed, labeled and stored on site pending subsequent proper disposal/treatment by the generator. As previously mentioned in the Sample Collection-Purge Method section, Disposal methods used by the generator are off-site disposal by contracting a certified waste transporter to remove the stored purge water and properly dispose of the purge water at a recycling facility or use of an on-site groundwater treatment system for the treatment and discharge into the NPDES, WDR or Industrial Waste Discharge permitted storm drains, re-infiltration wells or sewer, respectively. If groundwater is removed using a vacuum truck, the vacuum truck will store the purged water and transport it off-site to a waste disposal facility for recycling. Waste manifest will be available once received from the recycling facility.

APPENDIX B

Alpha Scientific Corporation
Environmental Laboratories

10-10-2012

Mr. Karl Kerner
Atlas Environmental Engineering, Inc.
3185 Airway Avenue, Suite D-1
Costa Mesa, CA 92626

Project: G & M OIL CO. #40
Project Site: 23991 El Toro Rd., Laguna Hills, CA
Sample Date: 10-01-2012
Lab Job No.: R210002

Dear Mr. Kerner:

Enclosed please find the analytical report for the sample(s) received by Alpha Scientific Corporation on 10-01-2012 and analyzed by the following EPA methods:

TPH-Gasoline
EPA 8015M (Diesel)
EPA 8260B (VOCs, Ethanol & Oxygenates by GC/MS)
EPA 8015B (Methanol by GC/FID)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Alpha Scientific Corporation is certified by CA DHS (Certificate Number 2633). Thank you for giving us the opportunity to serve you. Please feel free to call me at (562) 809-8880 if our Laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph. D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

10-10-2012

Client:	Atlas Environmental Engineering Inc.	Lab Job No.:	R210002
Project:	G & M OIL CO. #40		
Project Site:	23991 El Toro Rd., Laguna Hills, CA	Date Sampled:	10-01-2012
Matrix:	Water	Date Received:	10-01-2012
Batch No. for TPH-g: BMJ02-GW1		Date Analyzed:	10-02-2012
Batch No. for TPH-d: BJ02-DW1		Date Analyzed:	10-02-2012

EPA 8015M (Diesel) & TPH-Gasoline
Reporting Units: µg/L (ppb)

Sample ID	Lab ID	Gasoline Range TPH (C4-C12)*	Diesel Range TPH (C13-C23)
MDL		50	500
PQL		100	750
Method Blank		ND	ND
BYA-13	R210002-1	ND	ND
BYA-31	R210002-2	ND	ND
MW-18	R210002-3	140	5,270
MW-19	R210002-4	82J	ND
AMW-1	R210002-5	301	ND
AMW-2	R210002-6	1,980	ND
AMW-3	R210002-7	12,100	ND
AMW-4	R210002-8	676	ND
AMW-5	R210002-9	330	ND
AMW-6	R210002-10	182	ND
AMW-7	R210002-11	372	ND
AMW-8	R210002-12	129	ND

* Gasoline Range TPH result is obtained from purge and trap analysis using LUFT-GCMS Method.
MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below MDL).
J=Trace value. Result is lower than PQL but higher than MDL.

Client: Atlas Environmental Engineering Inc. Lab Job No.: R210002 Date Reported: 10-10-2012
Project: G & M OIL CO. #40 Matrix: Water Date Sampled: 10-01-2012

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/L (ppb)

DATE ANALYZED			10-02	10-02-12	10-02-12	10-02-12	10-02-12	
DILUTION FACTOR			1	1	1	1	1	
LAB SAMPLE I.D.				R210002-1	R210002-2	R210002-3	R210002-4	
CLIENT SAMPLE I.D.				BYA-13	BYA-31	MW-18	MW-19	
COMPOUND	**MDL**	**PQL**	MB					
Dichlorodifluoromethane	1	5	ND	ND	ND	ND	ND	
Chloromethane	1	5	ND	ND	ND	ND	ND	
Vinyl Chloride	0.5	1	ND	ND	ND	ND	ND	
Bromomethane	1	5	ND	ND	ND	ND	ND	
Chloroethane	1	5	ND	ND	ND	ND	ND	
Trichlorofluoromethane	1	5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	1	5	ND	ND	ND	ND	ND	
Iodomethane	1	5	ND	ND	ND	ND	ND	
Methylene Chloride	2	10	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	1	5	ND	ND	ND	ND	ND	
1,1-Dichloroethane	1	5	ND	ND	ND	ND	ND	
2,2-Dichloropropane	1	5	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	1	5	ND	ND	ND	ND	ND	
Bromochloromethane	1	5	ND	ND	ND	ND	ND	
Chloroform	1	5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	5	ND	2.2J	ND	ND	ND	
1,1,1-Trichloroethane	1	5	ND	ND	ND	ND	ND	
Carbon tetrachloride	0.5	5	ND	ND	ND	ND	ND	
1,1-Dichloropropene	1	5	ND	ND	ND	ND	ND	
Benzene	0.5	1	ND	ND	ND	ND	ND	
Trichloroethene	1	2	ND	ND	ND	ND	ND	
1,2-Dichloropropane	1	5	ND	ND	ND	ND	ND	
Bromodichloromethane	1	5	ND	ND	ND	ND	ND	
Dibromomethane	1	5	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	1	5	ND	ND	ND	ND	ND	
cis-1,3-Dichloropropene	1	5	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	1	5	ND	ND	ND	ND	ND	
1,3-Dichloropropane	0.5	5	ND	ND	ND	ND	ND	
Dibromochloromethane	1	5	ND	ND	ND	ND	ND	
2-Chloroethylvinyl ether	1	10	ND	ND	ND	ND	ND	
Bromoform	1	5	ND	ND	ND	ND	ND	
Isopropylbenzene	1	5	ND	ND	ND	ND	ND	
Bromobenzene	1	5	ND	ND	ND	ND	ND	

Client: Atlas Environmental Engineering Inc. Lab Job No.: R210002 Date Reported: 10-10-2012
Project: G & M OIL CO. #40 Matrix: Water Date Sampled: 10-01-2012

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	BYA-13	BYA-31	MW-18	MW-19	
Toluene	0.5	1	ND	1.7	1.6	7.7	16.2	
Tetrachloroethene	1	2	ND	ND	ND	ND	ND	
1,2-Dibromoethane(EDB)	1	5	ND	ND	ND	ND	ND	
Chlorobenzene	1	5	ND	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	1	5	ND	ND	ND	ND	ND	
Ethylbenzene	0.5	1	ND	0.6J	0.5J	1.7	3.9	
Total Xylenes	1	2	ND	3.3	3.8	10.9	26.4	
Styrene	1	5	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	1	5	ND	ND	ND	ND	ND	
1,2,3-Trichloropropane	1	5	ND	ND	ND	ND	ND	
n-Propylbenzene	1	5	ND	ND	1.3J	2.9J	ND	
2-Chlorotoluene	1	5	ND	ND	ND	ND	ND	
4-Chlorotoluene	1	5	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	1	5	ND	ND	ND	1.6J	3.2J	
tert-Butylbenzene	1	5	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	1	5	ND	2.2J	2.8J	5.4	10.2	
Sec-Butylbenzene	1	5	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	1	5	ND	ND	ND	ND	ND	
p-Isopropyltoluene	1	5	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	1	5	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	1	5	ND	ND	ND	ND	ND	
n-Butylbenzene	1	5	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	1	5	ND	ND	ND	ND	ND	
1,2-Dibromo-3-Chloropropane	1	5	ND	ND	ND	ND	ND	
Hexachlorobutadiene	1	5	ND	ND	ND	ND	ND	
Naphthalene	1	5	ND	2.1J	2.7J	4.1J	1.7J	
1,2,3-Trichlorobenzene	1	5	ND	ND	ND	ND	ND	
Acetone	25	50	ND	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND	
4-Methyl-2-pentanone	25	50	ND	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	ND	
Ethanol	250	500	ND	ND	ND	ND	ND	
MTBE	1	2	ND	ND	3.2	23.6	ND	
ETBE	1	2	ND	ND	ND	ND	ND	
DIPE	1	2	ND	ND	ND	ND	ND	
TAME	1	2	ND	ND	ND	ND	ND	
T-Butyl Alcohol	10	20	ND	ND	73.4	ND	48.6	

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL). * Result from a higher dilution analysis. J=Result is between DF × MDL & DF × PQL.

Client: Atlas Environmental Engineering Inc. Lab Job No.: R210002 Date Reported: 10-10-2012
Project: G & M OIL CO. #40 Matrix: Water Date Sampled: 10-01-2012

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/L (ppb)

DATE ANALYZED			10-02	10-02-12	10-02-12	10-02-12	10-02-12	
DILUTION FACTOR			1	1	1	10	5	
LAB SAMPLE I.D.				R210002-5	R210002-6	R210002-7	R210002-8	
CLIENT SAMPLE I.D.				AMW-1	AMW-2	AMW-3	AMW-4	
COMPOUND	**MDL**	**PQL**	MB					
Dichlorodifluoromethane	1	5	ND	ND	ND	ND	ND	
Chloromethane	1	5	ND	ND	ND	ND	ND	
Vinyl Chloride	0.5	1	ND	ND	ND	ND	ND	
Bromomethane	1	5	ND	ND	ND	ND	ND	
Chloroethane	1	5	ND	ND	ND	ND	ND	
Trichlorofluoromethane	1	5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	1	5	ND	ND	ND	ND	ND	
Iodomethane	1	5	ND	ND	ND	ND	ND	
Methylene Chloride	2	10	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	1	5	ND	ND	ND	ND	ND	
1,1-Dichloroethane	1	5	ND	ND	ND	ND	ND	
2,2-Dichloropropane	1	5	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	1	5	ND	ND	ND	ND	ND	
Bromochloromethane	1	5	ND	ND	ND	ND	ND	
Chloroform	1	5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	5	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	1	5	ND	ND	ND	ND	ND	
Carbon tetrachloride	0.5	5	ND	ND	ND	ND	ND	
1,1-Dichloropropene	1	5	ND	ND	ND	ND	ND	
Benzene	0.5	1	ND	24.0	95.9	23.2	260	
Trichloroethene	1	2	ND	ND	ND	ND	ND	
1,2-Dichloropropane	1	5	ND	ND	ND	ND	ND	
Bromodichloromethane	1	5	ND	ND	ND	ND	ND	
Dibromomethane	1	5	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	1	5	ND	ND	ND	ND	ND	
cis-1,3-Dichloropropene	1	5	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	1	5	ND	ND	ND	ND	ND	
1,3-Dichloropropane	0.5	5	ND	ND	ND	ND	ND	
Dibromochloromethane	1	5	ND	ND	ND	ND	ND	
2-Chloroethylvinyl ether	1	10	ND	ND	ND	ND	ND	
Bromoform	1	5	ND	ND	ND	ND	ND	
Isopropylbenzene	1	5	ND	ND	4.5J	39.7J	ND	
Bromobenzene	1	5	ND	ND	ND	ND	ND	

Client: Atlas Environmental Engineering Inc. Lab Job No.: R210002 Date Reported: 10-10-2012
Project: G & M OIL CO. #40 Matrix: Water Date Sampled: 10-01-2012

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	AMW-1	AMW-2	AMW-3	AMW-4	
Toluene	0.5	1	ND	3.8	113	24.9	2.6J	
Tetrachloroethene	1	2	ND	ND	ND	ND	ND	
1,2-Dibromoethane(EDB)	1	5	ND	ND	ND	ND	ND	
Chlorobenzene	1	5	ND	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	1	5	ND	ND	ND	ND	ND	
Ethylbenzene	0.5	1	ND	18.5	78.2	369	33.1	
Total Xylenes	1	2	ND	21.6	232	1,710	9.5J	
Styrene	1	5	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	1	5	ND	ND	ND	ND	ND	
1,2,3-Trichloropropane	1	5	ND	ND	ND	ND	ND	
n-Propylbenzene	1	5	ND	2.0J	14.3	144	ND	
2-Chlorotoluene	1	5	ND	ND	ND	ND	ND	
4-Chlorotoluene	1	5	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	1	5	ND	7.3	43.4	426	ND	
tert-Butylbenzene	1	5	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	1	5	ND	33.9	190	1,150	22.4J	
Sec-Butylbenzene	1	5	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	1	5	ND	ND	ND	ND	ND	
p-Isopropyltoluene	1	5	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	1	5	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	1	5	ND	ND	ND	ND	ND	
n-Butylbenzene	1	5	ND	1.1J	8.5	82.0	ND	
1,2,4-Trichlorobenzene	1	5	ND	ND	ND	ND	ND	
1,2-Dibromo-3-Chloropropane	1	5	ND	ND	ND	ND	ND	
Hexachlorobutadiene	1	5	ND	ND	ND	ND	ND	
Naphthalene	1	5	ND	64.2	128	215	101	
1,2,3-Trichlorobenzene	1	5	ND	ND	ND	ND	ND	
Acetone	25	50	ND	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND	
4-Methyl-2-pentanone	25	50	ND	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	ND	
Ethanol	250	500	ND	ND	ND	ND	ND	
MTBE	1	2	ND	6.5	40.6	ND	45.2	
ETBE	1	2	ND	ND	ND	ND	ND	
DIPE	1	2	ND	ND	ND	ND	ND	
TAME	1	2	ND	ND	ND	ND	ND	
T-Butyl Alcohol	10	20	ND	77.2	418	ND	5,100	

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL). * Result from a higher dilution analysis. J=Result is between DF × MDL & DF × PQL.

Client: Atlas Environmental Engineering Inc. Lab Job No.: R210002 Date Reported: 10-10-2012
Project: G & M OIL CO. #40 Matrix: Water Date Sampled: 10-01-2012

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/L (ppb)

DATE ANALYZED			10-02	10-02-12	10-02-12	10-02-12	10-02-12	
DILUTION FACTOR			1	1	1	1	1	
LAB SAMPLE I.D.				R210002-9	R210002-10	R210002-11	R210002-12	
CLIENT SAMPLE I.D.				AMW-5	AMW-6	AMW-7	AMW-8	
COMPOUND	**MDL**	**PQL**	MB					
Dichlorodifluoromethane	1	5	ND	ND	ND	ND	ND	
Chloromethane	1	5	ND	ND	ND	ND	ND	
Vinyl Chloride	0.5	1	ND	ND	ND	ND	ND	
Bromomethane	1	5	ND	ND	ND	ND	ND	
Chloroethane	1	5	ND	ND	ND	ND	ND	
Trichlorofluoromethane	1	5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	1	5	ND	ND	ND	ND	ND	
Iodomethane	1	5	ND	ND	ND	ND	ND	
Methylene Chloride	2	10	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	1	5	ND	ND	ND	ND	ND	
1,1-Dichloroethane	1	5	ND	ND	ND	ND	ND	
2,2-Dichloropropane	1	5	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	1	5	ND	ND	ND	ND	ND	
Bromochloromethane	1	5	ND	ND	ND	ND	ND	
Chloroform	1	5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	5	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	1	5	ND	ND	ND	ND	ND	
Carbon tetrachloride	0.5	5	ND	ND	ND	ND	ND	
1,1-Dichloropropene	1	5	ND	ND	ND	ND	ND	
Benzene	0.5	1	ND	132	21.7	3.3	ND	
Trichloroethene	1	2	ND	ND	ND	ND	ND	
1,2-Dichloropropane	1	5	ND	ND	ND	ND	ND	
Bromodichloromethane	1	5	ND	ND	ND	ND	ND	
Dibromomethane	1	5	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	1	5	ND	ND	ND	ND	ND	
cis-1,3-Dichloropropene	1	5	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	1	5	ND	ND	ND	ND	ND	
1,3-Dichloropropane	0.5	5	ND	ND	ND	ND	ND	
Dibromochloromethane	1	5	ND	ND	ND	ND	ND	
2-Chloroethylvinyl ether	1	10	ND	ND	ND	ND	ND	
Bromoform	1	5	ND	ND	ND	ND	ND	
Isopropylbenzene	1	5	ND	3.2J	ND	ND	ND	
Bromobenzene	1	5	ND	ND	ND	ND	ND	

Client: Atlas Environmental Engineering Inc. Lab Job No.: R210002 Date Reported: 10-10-2012
Project: G & M OIL CO. #40 Matrix: Water Date Sampled: 10-01-2012

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	AMW-5	AMW-6	AMW-7	AMW-8	
Toluene	0.5	1	ND	3.6	2.8	ND	1.1	
Tetrachloroethene	1	2	ND	ND	ND	ND	ND	
1,2-Dibromoethane(EDB)	1	5	ND	ND	ND	ND	ND	
Chlorobenzene	1	5	ND	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	1	5	ND	ND	ND	ND	ND	
Ethylbenzene	0.5	1	ND	22.2	8.5	0.6J	ND	
Total Xylenes	1	2	ND	7.2	8.2	3.8	2.1	
Styrene	1	5	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	1	5	ND	ND	ND	ND	ND	
1,2,3-Trichloropropane	1	5	ND	ND	ND	ND	ND	
n-Propylbenzene	1	5	ND	8.0	1.8J	ND	ND	
2-Chlorotoluene	1	5	ND	ND	ND	ND	ND	
4-Chlorotoluene	1	5	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	1	5	ND	1.1J	1.1J	1.2J	ND	
tert-Butylbenzene	1	5	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	1	5	ND	31.5	9.2	3.9J	1.90J	
Sec-Butylbenzene	1	5	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	1	5	ND	ND	ND	ND	ND	
p-Isopropyltoluene	1	5	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	1	5	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	1	5	ND	ND	ND	ND	ND	
n-Butylbenzene	1	5	ND	1.0J	ND	ND	ND	
1,2,4-Trichlorobenzene	1	5	ND	ND	ND	ND	ND	
1,2-Dibromo-3-Chloropropane	1	5	ND	ND	ND	ND	ND	
Hexachlorobutadiene	1	5	ND	ND	ND	ND	ND	
Naphthalene	1	5	ND	19.2	41.6	2.4J	1.8J	
1,2,3-Trichlorobenzene	1	5	ND	ND	ND	ND	ND	
Acetone	25	50	ND	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND	
4-Methyl-2-pentanone	25	50	ND	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	ND	
Ethanol	250	500	ND	ND	ND	ND	ND	
MTBE	1	2	ND	6.3	11.0	2.2	ND	
ETBE	1	2	ND	ND	ND	ND	ND	
DIPE	1	2	ND	ND	ND	ND	ND	
TAME	1	2	ND	ND	ND	ND	ND	
T-Butyl Alcohol	10	20	ND	50.0	390	131	ND	

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL). * Result from a higher dilution analysis. J=Result is between DF × MDL & DF × PQL.

Client:	Atlas Environmental Engineering Inc.	Lab Job No.:	R210002
Project:	G & M OIL CO. #40		
Project Site:	23991 El Toro Rd., Laguna Hills, CA	Date Sampled:	10-01-2012
Matrix:	Water	Date Received:	10-01-2012
Batch No:	FJ08-ME1	Date Analyzed:	10-08-2012
		Date Reported:	10-10-2012

EPA 8015B (Methanol)
Reporting Unit: µg/L (ppb)

Sample ID	Lab ID	Methanol	MDL	PQL
Method Blank		ND	500	1000
BYA-13	R210002-1	ND	500	1000
BYA-31	R210002-2	ND	500	1000
MW-18	R210002-3	ND	500	1000
MW-19	R210002-4	ND	500	1000
AMW-1	R210002-5	ND	500	1000
AMW-2	R210002-6	ND	500	1000
AMW-3	R210002-7	ND	500	1000
AMW-4	R210002-8	ND	500	1000
AMW-5	R210002-9	ND	500	1000
AMW-6	R210002-10	ND	500	1000
AMW-7	R210002-11	ND	500	1000
AMW-8	R210002-12	ND	500	1000

MDL: Method Detection Limit,
PQL: Practical Quantitation Limit;
ND: Not Detected (below DF × MDL)

10-10-2012

TPH-Gasoline
Batch QA/QC Report

Client:	Atlas Environmental Engineering Inc.	Lab Job No.:	R210002
Project:	G & M OIL CO. #40		
Matrix:	Water	Lab Sample ID:	R210003-1
Batch No:	BMJ02-GW1	Date Analyzed:	10-02-2012

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-g	ND	1,000	951	983	95.1	98.3	3.3	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limit
TPH-g	902	1,000	90.2	80-120

ND: Not Detected (at the specified limit)

10-10-2012

EPA 8015M (TPH)
Batch QA/QC Report

Client:	Atlas Environmental Engineering Inc.	Lab Job No.:	R210002
Project:	G & M OIL CO. #40		
Matrix:	Water	Lab Sample ID:	SW21002-1
Batch No. :	BJ02-DW1	Date Analyzed:	10-02-2012

I. MS/MSD Report
Unit: ppm

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-D	ND	20	19.2	19.9	96.0	99.5	3.6	30	70-130

II. LCS Result
Unit: ppm

Analyte	LCS Report Value	True Value	Rec.%	%Rec Accept. Limit
TPH-D	19.1	20	95.5	80-120

ND: Not Detected (at the specified limit).

10-10-2012

EPA 8260B
Batch QA/QC Report

Client:	Atlas Environmental Engineering Inc.	Lab Job No.:	R210002
Project:	G & M OIL CO. #40		
Matrix:	Water	Lab Sample ID:	R210003-1
Batch No:	1002-VOBW1	Date Analyzed:	10-02-2012

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	16.1	16.2	80.5	81.0	0.6	30	70-130
Benzene	ND	20	18.6	18.7	93.0	93.5	0.5	30	70-130
Trichloro-ethene	ND	20	19.0	18.0	95.0	90.0	5.4	30	70-130
Toluene	ND	20	21.9	24.8	109.5	124.0	12.4	30	70-130
Chlorobenzene	ND	20	17.6	16.7	88.0	83.5	5.2	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	16.8	20.0	84.0	80-120
Benzene	17.9	20.0	89.5	80-120
Trichloro-ethene	17.1	20.0	85.5	80-120
Toluene	19.8	20.0	99.0	80-120
Chlorobenzene	18.1	20.0	90.5	80-120

ND: Not Detected (at the specified limit)

10-10-2012

EPA 8015B (Methanol)
Batch QA/QC Report

Client:	Atlas Environmental Engineering Inc.	Lab Job No.:	R210002
Project:	G & M OIL CO. #40		
Matrix:	Water	Lab Sample ID:	R210002-3
Batch No:	FJ08-ME1	Date Analyzed:	10-08-2012

I. MS/MSD Report
Unit: ppm

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
Methanol	ND	20	16.9	17.0	84.5	85.0	0.6	30	70-130

II. LCS Report
Unit: ppm

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limit
Methanol	18.5	20.0	92.5	80-120

ND: Not Detected (at the specified limit).

R210002

ATLAS ENVIRONMENTAL ENGINEERING, INC. — **CHAIN OF CUSTODY FORM** —

P.O. NUMBER:	SITE/PROJECT NAME:
G40	G&M OIL COMPANY STATION #40
JOB NUMBER:	SITE/PROJECT LOCATION:
G40-Q312	23991 EL TORO ROAD, LAGUNA HILLS, CA

SAMPLER(S) SIGNATURE

QUARTERLY GROUNDWATER SAMPLES

SUBMIT RESULTS TO:

ATLAS ENVIRONMENTAL ENG.
3185 AIRWAY AVENUE, SUITE D-1
COSTA MESA, CA 92626

ATTN: KARL KERNER
PHONE NO. (714) 890-7129
FAX NO. (714) 890-7149

ANALYTICAL METHOD

SAMPLE NUMBER (I.D.)	YEAR 2012 DATE MM/DD	TIME AM/PM	DEPTH BELOW GRADE (ft)	NO. OF CONTAINERS	TPHG 8015M	TPHD 8015M	FULL SCAN VOCs + Fuel Oxys 8260B	Ethanol Methanol 8260B		REMARKS
BYA-13	10·01	14:11		2V+ 1A	x	x	x	x		R210002 -1
BYA-31		13.30		2V+ 1A	x	x	x	x		-2
MW-18		7.31		2V+ 1A	x	x	x	x		-3
MW-19		7.50		2V+ 1A	x	x	x	x		-4
AMW-1		12:06		2V+ 1A	x	x	x	x		-5
AMW-2		12:47		2V+ 1A	x	x	x	x		-6
AMW-3		10:05		2V+ 1A	x	x	x	x		-7
AMW-4		9:30		2V+ 1A	x	x	x	x		-8
AMW-5		8:20		2V+ 1A	x	x	x	x		-9
AMW-6		8:57		2V+ 1A	x	x	x	x		-10
AMW-7		10:45		2V+ 1A	x	x	x	x		-11
AMW-8		11:26		2V+ 1A	x	x	x	x		-12

SAMPLES INTACT: YES...✓... NO.....
SAMPLES PROPERLY COOLED: YES...✓... NO.....
TEMPERATURE STORED: 4°C
PRESERVATIVES ADDED: YES..✓...NO.....TYPE: HCl
SAMPLES ACCEPTED: YES..✓... NO.....
IF NOT, WHY: _____

SAMPLES PLACED IN LAB REFRIGERATOR
YES..✓..... NO..... REP. INITIALS..RW.....

LABORATORY NAME: ASC

RELINQUISHED	DATE/TIME	DATE/TIME	RECEIVED
RELINQUISHED BY (SIGNATURE)/ COMPANY	DATE/TIME	DATE/TIME	RECEIVED BY (SIGNATURE)/COMPANY
[signature]	10·01·12 17:00	10-1-12 17:00	[signature]/ASC
RELINQUISHED BY (SIGNATURE)/ COMPANY	DATE/TIME	DATE/TIME	RECEIVED BY (SIGNATURE)/COMPANY
RELINQUISHED BY (SIGNATURE)/ COMPANY	DATE/TIME	DATE/TIME	RECEIVED BY (SIGNATURE)/COMPANY

APPENDIX C

TABLE 1

SUMMARY OF AVAILABLE WELL CONSTRUCTION INFORMATION

Former Wright Petroleum Facility

Transcontinental Insurance

23991 El Toro Road, Laguna Hills, California

April-05

Well ID	Date Installed	Well Screen Interval	Well Diameter	PVC Thickness	Well Screen Slot Size	Filter Pack Interval	Total Well Depth	Total Boring Depth	Boring Diameter	Comments
		(feet bgs)	(inches)	(Schedule)	(inches)	(feet bgs)	(feet bgs)	(feet bgs)	(inches)	
BYA-4	Jul-90	16-31	8	80	0.020	6-31	31	32	18	
BYA-5	Jul-90	16-31	8	80	0.020	6-31	31	32	18	
BYA-6	Jul-90	16-31	8	80	0.020	6-31	31	32	18	
BYA-7	Jul-90	16-31	6	40	0.020	6-31	31.5	32	18	
BYA-8	Jul-90	11-30	4	40	NA	NA	30.45	NA	NA	
BYA-9	NA	NA	4	40	NA	NA	29.00	NA	NA	
BYA-10	NA	NA	4	40	NA	NA	29.05	NA	NA	
BYA-11	NA	NA	4	40	NA	NA	28.02	NA	NA	
BYA-13	NA	NA	6	40	NA	NA	30	NA	NA	
BYA-16	Dec-94	NA	NA	40	NA	NA	NA	30	10	
BYA-17	Dec-94	NA	NA	40	NA	NA	NA	31	10	
BYA-18	Dec-94	NA	NA	40	NA	NA	NA	31	10	
BYA-19	Dec-94	NA	NA	40	NA	NA	NA	31	10	
BYA-20	Dec-94	NA	NA	40	NA	NA	NA	31	10	
BYA-21	Dec-94	NA	4	40	NA	NA	29.65	30	10	
BYA-22	Jul-95	NA	6	40	NA	NA	30	30	15	
BYA-23	Jul-95	NA	6	40	NA	NA	30	30	15	
BYA-24	Jul-95	NA	4	40	NA	NA	28.45	30	15	
BYA-25	May-96	11-31	4	40	0.020	10-32	31.85	32	10	Re-injection well: approx. re-injection rate = 1 gpm
BYA-26	Apr-96	11-31	4	40	0.020	10-32	31.92	32	10	
BYA-27	Apr-96	11-31	4	40	0.020	10-32	32.49	32	10	Re-injection well: approx. re-injection rate = 1 gpm
BYA-28	May-96	11-31	4	40	0.020	10-32	30.20	32	10	
BYA-29	Apr-96	11-31	4	40	0.020	10-32	30.45	33	10	Re-injection well: approx. re-injection rate = 1.25 gpm
BYA-30	Apr-96	11-31	4	40	0.020	10-32	31.45	32	10	Re-injection well: approx. re-injection rate = 1 gpm
BYA-31	Apr-96	11-31	4	40	0.020	10-32	30.84	32	10	Re-injection well: approx. re-injection rate = 0.65 gpm
BYA-32	Apr-96	11-31	4	40	0.020	10-33	32.10	33	10	Re-injection well: approx. re-injection rate = 0.75 gpm
BYA-33	Apr-96	11-31	4	40	0.020	10-32	32.30	32	10	Re-injection well: approx. re-injection rate = 1 gpm
BYA-34	Apr-96	11-31	4	40	0.020	10-32	30.40	32	10	
IT-1	NA	NA	2	40	NA	NA	29.87	NA	NA	
IT-2	NA	NA	2	40	NA	NA	27.20	NA	NA	
IT-3	NA	NA	NA	40	NA	NA	NA	NA	NA	
IT-4	NA	NA	2	40	NA	NA	28.77	NA	NA	
IT-5	NA	NA	2	40	NA	NA	26.47	NA	NA	
IT-6	NA	NA	6	40	NA	NA	21.30	NA	NA	
IT-7	NA	NA	6	40	NA	NA	24.25	NA	NA	
IT-8	NA	NA	2	40	NA	NA	28.70	NA	NA	
IT-9	NA	NA	2	40	NA	NA	29.16	NA	NA	
IT-10	NA	NA	2	40	NA	NA	30.90	NA	NA	
IT-11	NA	NA	2	40	NA	NA	25.90	NA	NA	
IT-12	NA	NA	2	40	NA	NA	24.25	NA	NA	Re-injection well: current re-injection rate = 2gpm
IT-13	NA	NA	2	40	NA	NA	20.55	NA	NA	
KMW-14	NA	10-30	2	40	NA	NA	26.27	NA	NA	
KMW-16	NA	NA	2	40	NA	NA	29.70	NA	NA	
MW-7	NA	NA	2	40	NA	NA	30.25	NA	NA	
MW-9	NA	NA	2	40	NA	NA	19.50	NA	NA	
MW-12	NA	NA	2	40	NA	NA	25.30	NA	NA	
MW-13	NA	NA	2	40	NA	NA	30.33	NA	NA	
MW-14	NA	NA	2	40	NA	NA	30.33	NA	NA	
MW-15	NA	NA	2	40	NA	NA	29.65	NA	NA	
MW-16	NA	NA	2	40	NA	NA	27.40	NA	NA	
MW-17	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-18	NA	NA	2	40	NA	NA	25.30	NA	NA	
MW-19	NA	NA	2	NA	NA	NA	25.40	NA	NA	
WP-15	NA	NA	12	120	NA	NA	46.90	NA	NA	

Notes:

bgs = below ground surface

NA = Information Not Available

TABLE 3A
SUMMARY OF AVAILABLE HISTORICAL GROUNDWATER MONITORING AND ANALYTICAL RESULTS - TPH and VOCs
Former Wright Petroleum Facility
Transcontinental Insurance
[illegible] El Toro Road, Laguna Hills, California
April 05

								EPA Method 8015M			EPA Method 8260B or 8015/8020																											
Well ID	Sample Date	Wellhead Elevation (AMSL)	Depth to Product (fbgs)	Product Thickness (feet)	Depth to Water (fbgs)	GW Elevation (AMSL)	Total Depth (fbgs)	TPH g (mg/l)	TPH d (mg/l)	TPH non-speciated (mg/l)	Benzene (ug/l)	Bromodichloromethane (ug/l)	Bromoform (ug/l)	n-Butylbenzene (ug/l)	sec-Butylbenzene (ug/l)	tert-Butylbenzene (ug/l)	Carbon tetrachloride (ug/l)	Chloroform (ug/l)	Chloromethane (ug/l)	1,2-Dichloroethane (ug/l)	cis-1,2-Dichloroethene (ug/l)	Ethylbenzene (ug/l)	Isopropylbenzene (ug/l)	p-Isopropyltoluene (ug/l)	Naphthalene (ug/l)	n-Propylbenzene (ug/l)	Toluene (ug/l)	Trichloroethene (ug/l)	1,2,4-Trimethylbenzene (ug/l)	1,3,5-Trimethylbenzene (ug/l)	o-Xylene (ug/l)	m,p-Xylenes (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	MTBE (ug/l)	TBA (ug/l)
A	11/27/90	--	16.33	1.13	14.83	343.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/01/90	--	--	1.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	343.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/04	--	--	0.00	--	--	--	3.8	4.8	--	400	--	--	--	--	--	--	--	--	--	--	310	--	--	--	--	55	--	--	--	--	--	440	--	--	--	--	--
	11/01/05	--	--	--	--	--	--	--	--	18	<0.2	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.2	--	--	--	--	--	<0.4	--	--	--	--	--
B	11/27/90	--	19.19	2.78	21.68	344	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/01/90	--	--	2.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/04	--	--	--	--	--	--	12	22	--	354	--	--	--	--	--	--	--	--	--	--	136	--	--	--	--	148	--	--	--	--	--	1,000	--	--	--	--	--
	05/01/05	--	--	--	--	--	--	--	--	<0.5	8.8	--	--	--	--	--	--	--	--	--	--	2.8	--	--	--	--	2.8	--	--	--	--	--	23	--	--	--	--	--
C	11/27/90	--	--	0.00	22.48	343.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
D	11/27/90	--	--	0.00	22.01	341.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E	11/27/90	--	--	0.00	19.25	343.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
F	11/27/90	--	17.80	2.33	20.10	343.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/01/90	--	--	2.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G	11/27/90	--	--	0.00	14.82	343.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/01/05	--	--	--	--	--	--	--	--	31	<0.2	--	--	--	--	--	--	--	--	--	--	<0.1	--	--	--	--	<0.2	--	--	--	--	--	<0.4	--	--	--	--	--
H	11/27/90	--	--	0.00	15.38	343.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
I	11/27/90	--	15.28	1.58	16.36	343.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/04	--	--	--	--	--	--	<500	<0.5	--	<0.2	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.2	--	--	--	--	--	<0.3	--	--	--	--	--
	11/01/05	--	--	--	--	--	--	--	--	8.2	<0.2	--	--	--	--	--	--	--	--	--	--	<0.1	--	--	--	--	<0.2	--	--	--	--	--	<0.4	--	--	--	--	--
J	11/27/90	--	--	0.00	14.38	343.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
K	11/27/90	--	15.75	2.85	18.60	343.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	1.22	--	340.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/04	--	--	--	--	--	--	<500	<0.5	--	24	--	--	--	--	--	--	--	--	--	--	2.4	--	--	--	--	3.8	--	--	--	--	--	19	--	--	--	--	--
	11/01/05	--	--	--	--	--	--	--	--	8.4	<0.2	--	--	--	--	--	--	--	--	--	--	<0.1	--	--	--	--	<0.2	--	--	--	--	--	<0.4	--	--	--	--	--
L	11/27/90	--	--	0.00	--	343.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M	11/27/90	--	15.60	2.20	17.80	343.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/04	--	--	--	--	--	--	<500	<0.5	--	<0.2	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	8.5	--	--	--	--	--	<0.2	--	--	--	--	--
	11/01/05	--	--	--	--	--	--	--	--	<0.2	<0.2	--	--	--	--	--	--	--	--	--	--	<0.1	--	--	--	--	<0.7	--	--	--	--	--	<0.4	--	--	--	--	--
N	11/27/90	--	16.15	2.43	18.58	343.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
O	11/27/90	--	16.25	0.78	17.01		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	343.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
P	11/27/90	--	17.12	2.18	19.30	343.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.48	--	344.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Q	11/27/90	--	18.81	2.38	21.19	343.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.48	--	344.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R	11/27/90	--	18.23	2.12	20.30	343.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	2.04	--	344.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/04	--	--	--	--	--	--	<500	<0.5	--	<0.2	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.2	--	--	--	--	--	<0.2	--	--	--	--	--
	11/01/05	--	--	--	--	--	--	--	--	1.0	<0.2	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.2	--	--	--	--	--	<0.4	--	--	--	--	--
S	11/27/90	--	--	0.00	--	343.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T	11/27/90	--	--	0.00	19.12	344.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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	05/01/92	--	--	0.10	--	344.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/04	--	--	--	--	--	--	6.2	3.8	--	430	--	--	--	--	--	--	--	--	--	--	270	--	--	--	--	130	--	--	--	--	--	1,200	--	--	--	--	--
	05/01/05	--	--	--	--	--	--	--	--	5.9	160	--	--	--	--	--	--	--	--	--	--	71	--	--	--	--	450	--	--	--	--	--	370	--	--	--	--	--
	11/01/05	--	--	--	--	--	--	--	--	28	<0.2	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.2	--	--	--	--	--	<0.4	--	--	--	--	--
U	11/27/90	--	19.27	0.64	19.91	343.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	343.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AMW-1	02/08/00	--	--	--	15.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	--	--	--	--	--	--	0.2	ND	--	48	--	--	--	--	--	--	--	--	--	--	9.1	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	31	310
BYA-4	07/25/90	--	--	0.35	18.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/90	--	--	0.00	12.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/01/90	--	--	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/90	--	--	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	3.84	--	345.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/05	--	--	--	--	--	--	--	--	<2	54	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	4.1	--	--	--	--	--	5.8	--	--	--	--	--
	11/01/05	--	--	--	--	--	--	--	--	0.2	<0.2	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.2	--	--	--	--	--	<0.4	--	--	--	--	--
BYA-5	07/25/90	--	--	0.25	18.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/01/90	--	--	0.017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/90	--	--	0.017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/90	--	17.62	0.48	18.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.000	--	344.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/04	--	--	--	--	--	--	0.7	<0.5	--	50	--	--	--	--	--	--	--	--	--	--	7.6	--	--	--	--	11	--	--	--	--	--	6.2	--	--	--	--	--
	05/01/05	--	--	--	--	--	--	<3.000	--	--	<0.2	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	8.6	--	--	--	--	--	<0.4	--	--	--	--	--
	11/01/05	--	--	--	--	--	--	--	--	0.4	<0.2	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	0.8	--	--	--	--	--	<0.4	--	--	--	--	--
BYA-6	07/25/90	--	--	0.50	18.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/01/90	--	--	1.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/90	--	--	1.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/90	--	15.20	2.42	17.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/04	--	--	--	--	--	--	3.9	<0.5	--	700	--	--	--	--	--	--	--	--	--	--	200	--	--	--	--	190	--	--	--	--	--	480	--	--	--	--	--
	01/01/05	--	--	--	--	--	--	--	--	2.8	3.0	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	97	--	--	--	--	--
	05/01/05	--	--	--	--	--	--	--	--	<2	<0.2	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	2.9	--	--	--	--	--	<0.4	--	--	--	--	--
	11/01/05	--	--	--	--	--	--	--	--	0.2	<0.2	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.2	--	--	--	--	--	<0.4	--	--	--	--	--
BYA-7	07/25/90	--	--	0.01	15.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/01/90	--	--	0.004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/23/90	--	--	0.004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/90	--	14.71	0.09	14.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	2.522	--	343.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/16/98	358.03	--	--	10.60	347.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/26/98	358.03	--	--	10.60	347.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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	11/11/99	358.03	--	--	12.70	345.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	358.03	--	0.00	12.20	345.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/23/00	358.03	--	0.00	11.00	347.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/22/00	358.03	--	--	--	--	--	NA	NA	--	31	--	--	--	--	--	--	--	--	--	--	<4	--	--	--	--	<4	--	--	--	--	--	<8	--	--	--	160	140
	07/12/00	358.03	--	--	--	--	--	NA	NA	--	100	--	--	--	--	--	--	--	--	--	--	5.9	--	--	--	--	<4	--	--	--	--	--	5.3	--	--	--	200	190
	04/23/01	358.03	--	--	--	--	--	0.4	1.4	--	79	--	--	--	--	--	--	--	--	--	--	15	--	--	--	--	<4	--	--	--	<4	16	17	--	--	--	130	<100
	04/16/01	358.03	--	0.00	12.26	345.77	--			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/08/03	358.03	--	--	--	--	--	77	21	--	7,400	--	--	--	--	--	--	--	--	--	--	2,200	--	--	--	--	21,000	--	--	--	--	--	12,000	--	--	--	7,200	<10,000
	12/16/03	358.03	12.62	0.29	11.18	343.07	10.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/16/04	358.03	12.58	0.27	12.85	343.40	29.55	160	570	--	5,300	<5000	<1000	<5000	<5000	<5000	<2500	<5000	<5000	<2500	<5000	11,000	<5000	8,500	15,000	19,000	44,000	<5000	230,000	57,000	32,000	54,000	--	<5,000	<5,000	<5,000	<5,000	<50,000
	10/05/04	359.88	12.57	0.24	12.81	348.24	29.65	120	32	--	6,300	<200	<200	<200	<200	<200	<100	<200	<200	<100	<200	3,700	<200	<200	270	300	28,000	<200	7,600	570	8,800	34,000	--	<200	<200	<200	320	<2000
	01/07/05	359.88	12.50	0.23	12.25	348.33	29.65	0.57	91	--	940	<400	<400	<400	<400	<400	<200	<400	<400	<200	<400	1,200	540	<400	720	1,700	38,000	<400	33,000	3,300	11,000	26,000	--	<400	<400	<400	<400	<4000
	04/05/05	359.88	9.79	0.31	8.00	352.01	29.55	85	540	--	3,200	<200	<200	<200	<200	<200	<100	<200	<200	<100	<200	3,500	<200	<200	340	500	22,000	<200	6,700	1,300	6,200	22,000	--	<200	<200	<200	<200	<2000
BYA-8	05/01/92	--	--	0.00	--	345.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/04	--	--	--	--	--	--	<500	<0.5	--	<0.2	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.2	--	--	--	--	--	<0.2	--	--	--	--	--
	11/01/05	--	--	--	--	--	--	--	--	0.2	9.2	--	--	--	--	--	--	--	--	--	--	8.5	--	--	--	--	9.2	--	--	--	--	--	0.4	--	--	--	--	--
	04/15/98	360.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/24/98	360.87	--	--	12.70	348.17	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	2.8	--	--	--	--	<1	--	--	--	--	--	<1	--	--	--	<1	--
	04/12/99	360.87	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	NA
	11/11/99	360.87	--	--	14.50	346.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	360.87	--	0.00	14.45	346.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/00	360.87	--	--	15.10	345.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	360.87	--	--	--	--	--	<0.05	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	<5	<10
	03/20/01	360.87	--	--	--	--	--	<0.05	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	<5	<10
	04/01/02	360.87	--	0.00	14.47	346.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/16/03	360.87	0.00	0.00	14.44	346.43	30.32	<50	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	2.9	<10
	03/23/04	360.87	0.00	0.00	14.08	346.79	30.45	<0.05	NA	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	0.51	<1	<1	<1	<1	1.8	<1	<1	<1	0.88	3.2	--	<1	<1	<1	1.7	<10
	10/01/04	363.20	0.00	0.00	14.37	348.83	31.01	0.15	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	3.2	<10
	01/07/05	363.20	0.00	0.00	13.10	350.10	31.01	0.16	<0.5	--	0.31	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	2.3	<10
	04/07/05	363.20	0.00	0.00	10.85	352.35	31.01	0.073	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	1.8	<10
BYA-9	05/01/92	--	--	0.26	--	345.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/04	--	--	--	--	--	--	<500	<0.5	--	2.2	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	0.8	--	--	--	--	--	22	--	--	--	--	--
	11/01/05	--	--	--	--	--	--	--	--	1.0	0.2	--	--	--	--	--	--	--	--	--	--	8.3	--	--	--	--	8.2	--	--	--	--	--	0.4	--	--	--	--	--
	04/15/98	360.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/24/98	360.06	--	--	11.40	348.66	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	<1	--	--	--	<1	--
	04/12/99	360.06	--	--	--	--	--	0.061	1.4	--	3.8	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	45	--
	11/11/99	360.06	--	--	13.70	346.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	360.06	--	0.00	13.69	346.37	--	ND	1.8	--	2.3	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	12	ND
	05/01/00	360.06	--	--	14.70	345.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/01/00	360.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/10/02	360.06	--	0.00	13.69	346.37	--	0.1	0.65	--	0.6	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	330	<50
	03/21/04	362.06	0.00	0.00	13.37	348.87	29.00	0.46	NA	--	310	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10	5.4	<10	<10	51	<10	<5	<10	<10	<10	<5	<10	--	<10	<10	<10	490	4,000
	10/01/04	363.41	0.00	0.00	13.54	349.87	28.89	1.7	1.9	--	610	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10	18	38	<10	43	38	3.3	<10	<10	<10	<5	<10	--	<10	<10	<10	70	1,000
	01/07/05	363.41	0.00	0.00	13.35	350.06	28.89	2.5	2.4	--	720	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10	23	23	<10	43	44	8.2	<10	<10	<10	<5	32	--	<10	<10	<10	29	500
	04/07/05	363.41	0.00	0.00	10.21	353.20	28.89	3.3	3.5	--	250	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10	39	<10	<10	19	11	5.3	<10	<10	<10	<5	<10	--	<10	<10	<10	30	2,300

TABLE 5A
SUMMARY OF AVAILABLE HISTORICAL GROUNDWATER MONITORING AND ANALYTICAL RESULTS - TPH and VOCs
Former Wright Petroleum Facility
Transcontinental Insurance
23591 El Toro Road, Laguna Hills, California
April 05

Well ID	Sample Date	Wellhead Elevation (AMSL)	Depth to Product (fbgs)	Product Thickness (feet)	Depth to Water (fbgs)	GW Elevation (AMSL)	Total Depth (fbgs)	EPA Method 8015M: TPH g (mg/l)	TPH d (mg/l)	TPH non-speciated (mg/l)	EPA Method 8260B or 8015/8020: Benzene (ug/l)	Bromodichloromethane (ug/l)	Bromoform (ug/l)	n-Butylbenzene (ug/l)	sec-Butylbenzene (ug/l)	tert-Butylbenzene (ug/l)	Carbon tetrachloride (ug/l)	Chloroform (ug/l)	Chloromethane (ug/l)	1,2 Dichloroethane (ug/l)	cis-1,2-Dichloroethene (ug/l)	Ethylbenzene (ug/l)	Isopropylbenzene (ug/l)	p-Isopropyltoluene (ug/l)	Naphthalene (ug/l)	n-Propylbenzene (ug/l)	Toluene (ug/l)	Trichloroethene (ug/l)	1,2,4-Trimethylbenzene (ug/l)	1,3,5-Trimethylbenzene (ug/l)	o-Xylene (ug/l)	m,p-Xylenes (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	MTBE (ug/l)	TBA (ug/l)
BYA-10	05/01/73	--	--	0.09	--	343.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/01/75	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	--	--	--	--	--	--	<0.1	--	--	--	--	<0.2	--	--	--	--	--	<0.4	--	--	--	--	--
	04/01/75	--	--	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/01/75	--	--	--	--	--	--	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	--	--
	01/21/98	--	--	--	--	--	--	<0.05	<0.5	--	<0.33	--	--	--	--	--	--	--	--	--	--	<0.33	--	--	--	--	<0.33	--	--	--	--	--	<0.67	--	--	--	<10	--
	08/15/98	358.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/25/98	358.80	--	--	13.00	345.80	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	1.8	--	--	--	--	1.8	--	--	--	--	--	1.8	--	--	--	<1	--
	04/15/99	358.80	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	ND	ND	ND	--	--	--	ND	--
	11/01/99	358.80	--	--	12.90	345.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/04/00	358.80	--	0.00	12.90	345.90	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	2.2	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
	02/28/00	358.80	--	--	12.90	345.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	358.80	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
	04/25/02	358.80	--	--	13.03	345.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/07/03	358.80	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	2.7	--	--	--	ND	ND	ND	--	--	--	ND	ND
	12/16/03	358.80	0.00	0.00	12.90	345.90	28.07	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	1.8	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	03/25/04	358.80	0.00	0.00	12.87	346.13	28.07	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	6.2	1.7	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	10/07/04	359.13	0.00	0.00	12.72	346.41	28.07	<0.5	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	1.4	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	01/25/05	359.13	0.00	0.00	12.77	346.35	28.07	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	1.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	04/05/05	359.13	0.00	0.00	9.38	349.75	28.07	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	1.1	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-11	05/01/73	--	--	1.08	--	343.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/73	--	--	0.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/74	--	--	--	--	--	--	4.3	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/01/75	--	--	--	--	--	--	--	--	15	6,500	--	--	--	--	--	--	--	--	--	--	1,800	--	--	--	--	21,000	--	--	--	--	--	29,000	--	--	--	--	--
	08/25/76	--	--	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/18/76	--	--	0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/18/76	--	--	0.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/31/76	--	--	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/76	--	--	0.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/16/76	--	--	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/28/77	--	--	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/17/77	--	--	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/21/77	--	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/26/77	--	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/21/77	--	--	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/21/77	--	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/20/77	--	--	1.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/15/98	357.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/25/98	357.93	--	--	11.40	346.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/99	357.93	13.85	0.12	14.02	344.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	357.93	13.53	0.10	14.03	344.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/28/00	357.93	13.86	0.04	13.90	344.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	357.93	--	--	--	--	--	330	290	--	1,400	--	--	--	--	--	--	--	--	--	--	1,820	--	--	--	--	548	--	--	--	--	--	7,700	--	--	--	<100	<1,000
	04/05/01	357.93	--	--	--	--	--	140	7.6	--	200	--	--	--	--	--	--	--	--	--	--	<40	--	--	160	--	<40	--	880	220	<40	880	880	--	--	--	<100	<1,000
	04/25/02	357.93	--	0.00	14.05	343.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/16/03	357.93	--	--	13.42	344.51	27.43	3.8	5.8	--	51	<1	<1	<1	3.3	<1	<0.5	<1	<1	<0.5	<1	41	4.8	2.2	23	16	2.0	<1	92	41	5.2	17	--	<1	<1	<1	<1	<10
	03/25/04	357.93	--	--	13.49	344.44	28.03	2.6	2.3	--	83	<1	<1	<1	1.9	<1	<0.5	<1	<1	0.53	<1	33	4.1	3.1	14	11	18	<1	54	14	4.7	29	--	<1	<1	<1	7.8	41
	10/08/04	360.28	Sheen	Sheen	13.81	346.47	27.64	3.9	5.9	--	110	<1	<1	<1	4.6	<1	<0.5	<1	<1	<0.5	<1	120	14	3.3	49	43	3.9	<1	39	26	1.5	19	--	<1	<1	<1	1.3	31
	01/05/05	360.28	Sheen	Sheen	12.43	347.85	27.64	3.5	2.8	--	176	<2	<2	<2	4.4	<2	<1	<2	<2	<1	<2	97	11	<2	24	35	2.8	<2	25	8.6	3.7	15	--	<2	<2	<2	<2	<20
	04/04/05	360.28	Sheen	Sheen	10.28	349.99	27.64	2.1	3.3	--	198	<2	<2	<2	3.6	<2	<1	<2	<2	<1	<2	99	9.9	<2	30	21	6.5	<2	31	4.4	3.6	19	--	<2	<2	<2	<2	54
BYA-12	07/01/74	--	--	--	--	--	--	<100	<0.5	--	0.3	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.3	--	--	--	--	--	1.8	--	--	--	--	--
	11/01/75	--	--	--	--	--	--	--	--	0.2	0.3	--	--	--	--	--	--	--	--	--	--	<0.1	--	--	--	--	0.3	--	--	--	--	--	0.4	--	--	--	--	--
BYA-13	04/01/75	--	--	0.71(e.)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/22/76	--	--	1.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/25/76	--	--	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/18/76	--	--	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/18/76	--	--	0.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/24/76	--	--	0.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/31/76	--	--	0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/76	--	--	0.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/16/76	--	--	0.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/28/77	--	--	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/17/77	--	--	0.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/21/77	--	--	0.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/21/77	--	--	1.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/20/77	--	--	0.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/24/98	--	--	--	--	--	--	0.2	--	--	37	--	--	--	--	--	--	--	--	--	--	6.1	--	--	--	--	4.0	--	--	--	--	--	28	--	--	--	<10	--
	08/15/98	363.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/25/98	363.00	--	--	15.50	347.50	--	0.2	NA	--	52	--	--	--	--	--	--	--	--	--	--	6.8	--	--	--	--	4.0	--	--	--	--	--	28	--	--	--	<10	--
	11/11/99	363.00	9.88	--	18.40	344.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	363.00	18.77	0.13	18.90	344.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/28/00	363.00	--	--	21.40	341.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	363.00	--	--	--	--	--	0.4	5.5	--	25	--	--	--	--	--	--	--	--	--	--	2.5	--	--	--	--	2.5	--	--	--	--	--	7.5	--	--	--	8.9	140
	04/05/01	363.00	--	--	--	--	--	260	1,200	--	240	--	--	--	--	--	--	--	--	--	--	<40	--	--	--	--	53	--	89	41	130	160	290	--	--	--	<100	<1,000
	04/15/02	363.00	--	--	18.74	345.26	--	0.14	8.5	--	24	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	2.7	--	--	--	2.9	7.9	5.8	--	--	--	22	150
	03/27/04	363.00	18.43	0.15	18.58	346.48	--	7.7	1,400	--	340	<5	<5	<5	<5	<5	<2.5	<5	<5	3.8	<5	31	<5	<5	29	5.3	<2.5	<5	35	16	16	23	--	<5	<5	<5	<5	180
	10/05/04	365.38	17.01	0.02	17.03	348.37	29.54	3.8	110	--	170	<5	<5	<5	<5	<5	<2.5	<5	<5	11	<5	3.3	<5	<5	9.8	<5	<2.5	<5	<5	<5	<2.5	<5	--	<5	<5	<5	<5	180
	01/07/05	365.38	Sheen	Sheen	14.70	350.68	29.54	1.5	95	--	170	<2	<2	<2	<2	<2	<1	<2	<2	<1	<2	11	<2	<2	7.4	<2	<1	<2	7.8	5.7	7.2	18	--	<2	<2	<2	<2	64
	04/04/05	365.38	13.01	0.01	13.07	352.32	29.54	0.7	20	--	180	<2	<2	<2	<2	<2	<1	<2	<2	<1	<2	13	<2	<2	7.8	<2	1.4	<2	6.5	3.8	4.4	27	--	<2	<2	<2	<2	65
BYA-14	02/01/00	--	--	--	13.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	--	--	--	--	--	--	<0.05	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	<5	<50
BYA-15	02/28/00	--	--	--	14.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	--	--	--	--	--	--	<0.05	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	<5	<50
BYA-16	11/01/75	--	--	--	--	--	--	--	--	<0.2	<0.2	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.2	--	--	--	--	--	<0.4	--	--	--	--	--
BYA-17	03/01/75	--	--	--	--	--	--	--	--	<2	<0.3	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.3	--	--	--	--	--	<0.4	--	--	--	--	--
	11/01/75	--	--	--	--	--	--	--	--	0.4	<0.3	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	0.3	--	--	--	--	--	0.4	--	--	--	--	--
BYA-18	03/01/75	--	--	--	--	--	--	--	--	<2	<0.2	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.3	--	--	--	--	--	<0.4	--	--	--	--	--
	11/01/75	--	--	--	--	--	--	--	--	0.4	<0.2	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.3	--	--	--	--	--	<0.4	--	--	--	--	--
BYA-19	03/01/75	--	--	--	--	--	--	--	--	<2	<0.3	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.2	--	--	--	--	--	<0.4	--	--	--	--	--
	11/01/75	--	--	--	--	--	--	--	--	0.2	<0.3	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.2	--	--	--	--	--	<0.4	--	--	--	--	--
BYA-20	03/01/75	--	--	--	--	--	--	--	--	<2	<0.3	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	0.2	--	--	--	--	--	<0.4	--	--	--	--	--
	11/01/75	--	--	--	--	--	--	--	--	<0.2	<0.2	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.2	--	--	--	--	--	<0.4	--	--	--	--	--
BYA-21	04/01/75	--	--	0.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/18/76	--	--	0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/31/76	--	--	0.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/76	--	--	0.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/16/76	--	--	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/28/77	--	--	0.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/17/77	--	--	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/21/77	--	--	0.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/20/77	--	--	0.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/23/98	--	--	--	--	--	--	8.4	8.8	--	53	--	--	--	--	--	--	--	--	--	--	23	--	--	--	--	<0.8	--	--	--	--	--	12	--	--	--	538	--
	07/24/98	--	--	--	--	--	--	8.2	--	--	15	--	--	--	--	--	--	--	--	--	--	4.9	--	--	--	--	<0.1	--	--	--	--	--	1.3	--	--	--	370	--
	08/10/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/15/98	359.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/25/98	359.57	--	--	11.90	347.67	--	8.1	NA	--	34	--	--	--	--	--	--	--	--	--	--	8.2	--	--	--	--	<0.1	--	--	--	--	--	6.0	--	--	--	483	--
	11/11/99	359.57	--	--	13.70	345.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	359.57	--	0.00	13.19	346.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/28/00	359.57	--	--	12.50	347.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/25/02	359.57	--	0.00	13.42	346.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/08/03	359.57	--	--	--	--	--	8.5	3.3	--	<200	--	--	--	--	--	--	--	--	--	--	<200	--	--	--	--	<200	--	--	--	--	--	<400	--	--	--	<500	<5,000
	03/27/04	359.57	0.00	0.00	13.05	346.52	23.45	0.12	28	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	3.3	<1	8.8	1.4	--	<1	<1	<1	40	45
	10/05/04	361.99	0.00	0.00	13.45	348.54	29.54	0.39	28	--	0.88	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	26	52
	01/07/05	361.99	0.00	0.00	12.13	349.87	29.54	0.44	5.8	--	0.80	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	37	110
	04/07/05	361.99	0.00	0.00	9.96	352.03	29.54	0.15	3.8	--	1.6	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	21	700
BYA-22	03/01/75	--	--	--	--	--	--	--	--	--	870	--	--	--	--	--	--	--	--	--	--	4.8	--	--	--	--	52	--	--	--	--	--	520	--	--	--	--	--
	11/01/75	--	--	--	--	--	--	--	--	4.4	120	--	--	--	--	--	--	--	--	--	--	20	--	--	--	--	5.0	--	--	--	--	--	116	--	--	--	--	--
	01/14/77	--	--	--	--	--	--	--	--	--	818	--	--	--	--	--	--	--	--	--	--	270	--	--	--	--	3.9	--	--	--	--	--	80	--	--	--	690	--
	11/18/77	--	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/23/98	--	--	--	--	--	--	2.6	8.9	--	790	--	--	--	--	--	--	--	--	--	--	240	--	--	--	--	10	--	--	--	--	--	35	--	--	--	500	--
	07/24/98	--	--	--	--	--	--	8.1	--	--	230	--	--	--	--	--	--	--	--	--	--	57	--	--	--	--	<1	--	--	--	--	--	45	--	--	--	220	--
	08/10/98	--	--	--	--	--	--	1.3	--	--	420	--	--	--	--	--	--	--	--	--	--	30	--	--	--	--	6.8	--	--	--	--	--	25	--	--	--	360	--
	08/15/98	359.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/25/98	359.36	--	--	11.60	347.76	--	1.3	NA	--	420	--	--	--	--	--	--	--	--	--	--	38	--	--	--	--	7.0	--	--	--	--	--	53	--	--	--	360	--
	11/11/99	359.36	--	--	13.60	345.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	359.36	--	--	13.78	345.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/28/00	359.36	--	0.00	28.00	331.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/24/00	359.36	--	--	--	--	--	2.8	1.3	--	1,200	--	--	--	--	--	--	--	--	--	--	240	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	840	ND
	05/12/00	359.36	--	--	--	--	--	--	--	--	206	--	--	--	--	--	--	--	--	--	--	150	--	--	--	--	<40	--	--	--	--	--	<40	--	--	--	1,300	<1,000
	07/12/00	359.36	--	--	--	--	--	--	--	--	88	--	--	--	--	--	--	--	--	--	--	35	--	--	--	--	<20	--	--	--	--	--	<40	--	--	--	830	<100
	11/27/00	359.36	--	--	--	--	--	8.6	8.8	--	150	--	--	--	--	--	--	--	--	--	--	11	--	--	--	--	<20	--	--	--	--	--	<40	--	--	--	1,400	870
	04/05/01	359.36	--	--	--	--	--	8.5	4.9	--	140	--	--	--	--	--	--	--	--	--	--	<40	--	--	--	--	<40	--	--	--	<40	<40	<80	--	--	--	1,300	1,500
	01/02/01	359.36	--	--	--	--	--	3.1	8.6	--	270	--	--	--	--	--	--	--	--	--	--	120	--	--	--	--	<80	--	--	--	<80	<80	<160	--	--	--	2,100	7,800
	04/25/02	359.36	--	0.00	13.38	345.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/25/04	359.35	0.00	0.00	12.87	346.48	--	0.45	1.9	--	120	<2	<2	<2	<2	<2	<5	<2	<2	<1	<2	3.3	2.9	<2	<2	3.8	2.2	<2	<2	<2	<1	<2	--	<2	<2	<2	21	920
	10/05/04	361.79	0.00	0.00	13.05	348.74	27.75	0.21	2.8	--	34	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<2.5	<1	<1	<1	1.5	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	8.9	330
	01/07/05	361.70	0.00	0.00	11.04	350.66	27.75	0.74	15	--	160	<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<2.5	<2.5	<1.2	<2.5	4.9	2.5	<2.5	2.7	3.7	<1.2	<2.5	<2.5	<2.5	<1.2	<2.5	--	<2.5	<2.5	<2.5	39	1,100
	04/06/05	361.70	0.00	0.00	9.56	352.14	27.75	0.38	5.6	--	73	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10	<5	<10	<10	<10	<10	<5	<10	13	<10	<5	<10	--	<10	<10	<10	280	5,600

EarthTech

TABLE 3A
SUMMARY OF AVAILABLE HISTORICAL GROUNDWATER MONITORING AND ANALYTICAL RESULTS - TPH and VOCs
Former Wright Petroleum Facility
Transcontinental Insurance
23391 El Toro Road, Laguna Hills, California
April 05

Well ID	Sample Date	Wellhead Elevation (AMSL)	Depth to Product (bgs)	Product Thickness (feet)	Depth to Water (bgs)	GW Elevation (AMSL)	Total Depth (bgs)	TPH g (mg/l)	TPH d (mg/l)	TPH non-speciated (mg/l)	Benzene (ug/l)	Bromodichloromethane (ug/l)	Bromoform (ug/l)	n-Butylbenzene (ug/l)	sec-Butylbenzene (ug/l)	tert-Butylbenzene (ug/l)	Carbon tetrachloride (ug/l)	Chloroform (ug/l)	Chloromethane (ug/l)	1,2-Dichloroethane (ug/l)	cis-1,2-Dichloroethene (ug/l)	Ethylbenzene (ug/l)	Isopropylbenzene (ug/l)	p-Isopropyltoluene (ug/l)	Naphthalene (ug/l)	n-Propylbenzene (ug/l)	Toluene (ug/l)	Trichloroethene (ug/l)	1,2,4-Trimethylbenzene (ug/l)	1,3,5-Trimethylbenzene (ug/l)	o-Xylene (ug/l)	m,p-Xylenes (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	MTBE (ug/l)	TBA (ug/l)
								EPA Method 8015M			EPA Method 8260B or 8015/8020																											
BYA-23	08/01/95	--	--	--	--	--	--	--	--	--	1,300	--	--	--	--	--	--	--	--	--	--	48	--	--	--	--	2,000	--	--	--	--	--	1,200	--	--	--	--	--
BYA-23	11/01/95	--	--	--	--	--	--	--	--	1.9	35	--	--	--	--	--	--	--	--	--	--	<3	--	--	--	--	47	--	--	--	--	--	61	--	--	--	--	--
BYA-23	01/16/97	--	--	--	--	--	--	--	--	--	160	--	--	--	--	--	--	--	--	--	--	65	--	--	--	--	6.5	--	--	--	--	--	140	--	--	--	460	--
BYA-23	11/18/97	--	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-23	02/04/98	--	--	--	--	--	--	3.8	3.2	--	38	--	--	--	--	--	--	--	--	--	--	130	--	--	--	--	2.3	--	--	--	--	--	270	--	--	--	110	--
BYA-23	03/17/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-23	03/18/98	358.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-23	03/26/98	358.04	--	--	11.40	347.64	--	3.1	NA	--	250	--	--	--	--	--	--	--	--	--	--	25	--	--	--	--	35	--	--	--	--	--	110	--	--	--	360	--
BYA-23	11/11/98	358.04	--	--	11.40	346.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-23	02/01/00	358.04	--	--	11.08	346.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-23	02/28/00	358.04	--	--	21.70	337.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-23	02/28/00	358.04	--	0.00	--	--	--	13	3.1	--	7,600	--	--	--	--	--	--	--	--	--	--	380	--	--	--	--	290	--	--	--	--	--	440	--	--	--	4,500	8,400
BYA-23	05/22/00	358.04	--	--	--	--	--	--	--	--	65	--	--	--	--	--	--	--	--	--	--	18	--	--	--	--	<23	--	--	--	--	--	2.8	--	--	--	540	370
BYA-23	07/12/00	358.04	--	--	--	--	--	--	--	--	<25	--	--	--	--	--	--	--	--	--	--	<25	--	--	--	--	<25	--	--	--	--	--	<40	--	--	--	440	<500
BYA-23	11/27/00	358.04	--	--	--	--	--	--	<0.5	--	140	--	--	--	--	--	--	--	--	--	--	31	--	--	--	--	<1	--	--	--	--	--	9.4	--	--	--	1,200	1,000
BYA-23	04/25/01	358.04	--	--	--	--	--	26	8.1	--	16,000	--	--	--	--	--	--	--	--	--	--	<400	--	--	--	--	3,900	--	--	--	930	2,400	3,300	--	--	--	27,000	34,000
BYA-23	08/02/01	358.04	--	--	--	--	--	2.3	1.8	--	410	--	--	--	--	--	--	--	--	--	--	129	--	--	--	--	58	--	200	--	78	250	320	--	--	--	1,400	2,500
BYA-23	04/25/02	358.04	--	0.00	13.13	345.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-23	12/15/03	358.04	0.00	0.00	13.87	344.17	18.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-23	05/26/04	358.06	0.00	0.00	13.58	344.48	30.00	31	26	--	18,000	<200	<200	<200	<200	<200	<100	<200	<200	<100	<200	960	<200	<200	290	<200	<100	<200	670	<200	<100	1,800	--	<200	<200	<200	2,600	70,000
BYA-23	10/26/04	361.40	0.00	0.00	12.75	348.65	28.28	31	4.9	--	15,000	<400	<400	<400	<400	<400	<200	<400	<400	<200	<400	1,100	<400	<400	<400	<400	<200	<400	500	<400	<200	2,400	--	<400	<400	<400	2,800	78,000
BYA-23	01/07/05	361.40	0.00	0.00	11.11	350.29	28.28	33	9.8	--	11,000	<400	<400	<400	<400	<400	<200	<400	<400	<200	<400	<200	<400	<400	<400	<400	2,700	<400	<400	<400	<200	<400	--	<400	<400	<400	18,000	81,000
BYA-23	04/05/05	361.40	0.00	0.00	9.67	351.73	28.28	49	9	--	23,000	<400	<400	<400	<400	<400	<200	<400	<400	<200	<400	880	<400	<400	<400	<400	12,000	<400	1,100	430	2,300	5,200	--	<400	<400	<400	13,000	120,000
BYA-24	08/01/95	--	--	--	--	--	--	--	--	--	2,400	--	--	--	--	--	--	--	--	--	--	48	--	--	--	--	340	--	--	--	--	--	410	--	--	--	--	--
BYA-24	11/01/95	--	--	--	--	--	--	--	--	0.4	<0.5	--	--	--	--	--	--	--	--	--	--	1.0	--	--	--	--	8.6	--	--	--	--	--	73	--	--	--	--	--
BYA-24	01/16/97	--	--	--	--	--	--	--	--	--	140	--	--	--	--	--	--	--	--	--	--	48	--	--	--	--	1.5	--	--	--	--	--	8.8	--	--	--	320	--
BYA-24	01/23/98	--	--	--	--	--	--	0.3	<0.5	--	100	--	--	--	--	--	--	--	--	--	--	12	--	--	--	--	1.5	--	--	--	--	--	37	--	--	--	360	--
BYA-24	03/10/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	540	--
BYA-24	03/19/98	358.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-24	03/25/98	358.38	--	--	10.50	347.88	--	0.2	NA	--	40	--	--	--	--	--	--	--	--	--	--	4.5	--	--	--	--	9.8	--	--	--	--	--	2.7	--	--	--	360	--
BYA-24	11/11/99	358.38	--	--	12.75	345.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-24	02/01/00	358.38	--	0.00	12.43	345.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-24	02/28/00	358.38	--	--	13.70	344.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-24	05/22/00	358.38	--	--	--	--	--	--	--	--	3,000	--	--	--	--	--	--	--	--	--	--	270	--	--	--	--	<100	--	--	--	--	--	<200	--	--	--	5,400	7,800
BYA-24	07/12/00	358.38	--	--	--	--	--	--	--	--	3,200	--	--	--	--	--	--	--	--	--	--	210	--	--	--	--	<50	--	--	--	--	--	84	--	--	--	4,200	2,300
BYA-24	04/26/01	358.38	--	--	--	--	--	38	8.9	--	8,400	--	--	--	--	--	--	--	--	--	--	610	--	--	--	--	1,300	--	--	--	370	970	1,300	--	--	--	6,200	5,800
BYA-24	04/25/02	358.38	--	0.00	12.53	345.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-24	05/26/04	358.38	0.00	0.00	12.03	346.35	28.45	7.8	3.8	--	7,600	<100	<100	<100	<100	<100	<50	<100	<100	<50	<100	300	<100	<100	110	<100	<50	<100	<100	<100	<50	<100	--	<100	<100	<100	3,900	33,000
BYA-24	10/26/04	360.75	0.00	0.00	12.11	348.64	28.45	1.4	2.4	--	2,900	<25	<25	<25	<25	<25	<13	<25	<25	<13	<25	270	46	<25	67	81	12	<25	340	<25	16	44	--	<25	<25	52	2,200	14,000
BYA-24	01/07/05	360.75	0.00	0.00	3.50	357.25	28.45	1.6	2.7	--	690	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10	88	<10	<10	<10	<10	22	<10	16	<10	9.6	130	--	<10	<10	<10	32	<100
BYA-24	04/05/05	360.75	0.00	0.00	6.75	354.00	28.45	1.9	4.8	--	730	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10	77	<10	<10	16	<10	14	<10	41	13	23	200	--	<10	<10	<10	80	210
BYA-25	07/01/98	--	--	--	--	--	--	0.1	<0.5	--	1.1	--	--	--	--	--	--	--	--	--	--	1.4	--	--	--	--	12	--	--	--	--	--	34	--	--	--	--	--
BYA-25	03/18/98	364.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-25	03/26/98	364.15	--	--	15.82	348.33	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	1.4	--	--	--	--	--	4.8	--	--	--	<1	--
BYA-25	04/01/99	364.15	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	--
BYA-25	11/11/99	364.15	--	--	18.30	345.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-25	02/04/00	364.15	--	--	17.83	346.32	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
BYA-25	02/28/00	364.15	--	0.00	17.50	346.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-25	11/01/00	364.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-25	04/25/02	364.15	--	0.00	17.77	346.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-25	04/08/03	364.15	--	--	--	--	--	8.7	<0.5	--	43	--	--	--	--	--	--	--	--	--	--	<40	--	--	--	--	240	--	--	--	--	--	170	--	--	--	<100	<1,000
BYA-25	12/18/03	364.15	0.00	0.00	18.18	345.97	31.87	0.089	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	1.1	<10
BYA-25	05/27/04	364.15	0.00	0.00	17.64	346.51	31.85	0.88	<0.5	--	2.4	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	0.97	<1	<1	<1	<1	1.5	<1	1.8	<1	1.7	3.3	--	<1	<1	<1	<1	<10
BYA-25	10/05/04	366.50	0.00	0.00	18.04	348.46	31.77	0.031	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-25	01/04/05	366.50	0.00	0.00	16.63	349.87	31.75	0.043	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-25	04/04/05	366.50	0.00	0.00	16.07	350.43	31.75	0.054	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-26	07/08/98	--	--	--	--	--	--	<0.05	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	--	--
BYA-26	03/18/98	361.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-26	03/26/98	361.61	--	--	15.30	346.31	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	1.8	--	--	--	--	--	2.8	--	--	--	<1	--
BYA-26	11/11/99	361.61	--	--	17.60	344.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-26	02/01/00	361.61	--	--	17.52	344.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-26	02/28/00	361.61	--	0.00	17.32	344.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-26	04/25/02	361.61	--	0.00	17.60	344.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-26	04/07/03	361.61	--	--	--	--	--	<0.05	<0.5	--	<40	--	--	--	--	--	--	--	--	--	--	<40	--	--	--	--	<40	--	--	--	ND	ND	<80	--	--	--	<100	<1,000
BYA-26	12/15/03	361.61	0.00	0.00	18.10	343.51	31.84	0.3	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	9.1	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	39	150
BYA-26	05/24/04	361.61	0.00	0.00	11.48	348.67	31.82	0.21	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	15	<1	0.22	<1	<1	<1	<1	<0.5	<1	1.1	<1	0.59	<1	--	<1	<1	<1	8.8	250
BYA-26	10/04/04	366.27	0.00	0.00	18.07	348.20	31.83	0.29	0.32	--	3.3	<1	<1	<1	<1	<1	<0.5	<1	<1	19	<1	4.1	1.8	<1	<1	3.4	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	17	460
BYA-26	01/04/05	366.27	0.00	0.00	16.55	349.72	31.88	0.4	0.56	--	0.22	<1	<1	<1	<1	<1	<0.5	<1	<1	25	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	4.7	480
BYA-26	04/05/05	366.27	0.00	0.00	14.13	352.14	31.88	0.4	0.49	--	1.5	<2	<2	<2	<2	<2	<1	<2	<2	29	<2	<1	<2	<2	<2	<2	<1	<2	<2	<2	<1	<2	--	<2	<2	<2	8.9	840
BYA-27	07/01/98	--	--	--	--	--	--	0.3	<0.5	--	18	--	--	--	--	--	--	--	--	--	--	2.9	--	--	--	--	14	--	--	--	--	--	11	--	--	--	--	--
BYA-27	03/18/98	364.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-27	03/26/98	364.33	--	--	15.50	348.83	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	2.0	--	--	--	<1	--
BYA-27	04/01/99	364.33	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	--
BYA-27	11/11/99	364.33	--	--	18.56	345.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-27	02/01/00	364.33	--	0.00	18.57	345.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-27	11/27/00	364.33	--	--	--	--	--	<0.05	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	33	<50
BYA-27	08/02/01	364.33	--	--	--	--	--	<0.05	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	<2	<2	<4	--	--	--	<5	<50
BYA-27	04/25/02	364.33	--	0.00	18.62	345.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-27	04/01/03	364.33	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	ND	ND	ND	--	--	--	ND	ND
BYA-27	05/24/04	364.33	0.00	0.00	18.44	345.89	32.41	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-27	10/04/04	366.70	0.00	0.00	18.57	348.13	32.33	<0.5	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-27	01/05/05	366.70	0.00	0.00	17.42	349.28	32.33	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-27	04/05/05	366.70	0.00	0.00	14.64	352.06	32.33	<0.05	<0.5	--	1.3	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-28	07/10/98	--	--	--	--	--	--	<0.05	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	--	--
BYA-28	03/18/98	361.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-28	03/26/98	361.17	--	--	13.10	348.07	--	<0.05	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	<1	--	--	--	<1	--
BYA-28	11/11/99	361.17	--	--	15.70	345.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-28	02/01/00	361.17	--	0.00	15.42	345.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-28	02/28/00	361.17	--	--	13.10	348.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-28	08/02/01	361.17	--	--	--	--	--	<0.05	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	<2	<2	<4	--	--	--	28	<50
BYA-28	04/25/02	361.17	--	0.00	15.51	345.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-28	04/08/03	361.17	--	--	--	--	--	8.3	<0.5	--	6.7	--	--	--	--	--	--	--	--	--	--	11	--	--	--	--	79	--	--	--	--	--	72	--	--	--	<1.0	<50
BYA-28	12/17/03	361.17	0.00	0.00	15.30	345.87	33.03	0.15	<0.5	--	3.8	<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<2.5	<2.5	<1.2	<2.5	<1.2	<2.5	<2.5	<2.5	<2.5	<1.2	<2.5	<2.5	<2.5	<1.2	<2.5	--	<2.5	<2.5	<2.5	290	79
BYA-28	05/27/04	361.17	0.00	0.00	15.30	345.88	33.20	0.09	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	31	480
BYA-28	10/06/04	361.73	0.00	0.00	11.52	350.21	33.08	0.38	<0.5	--	4.7	<2	<2	<2	<2	<2	<1	<2	<2	<1	<2	<1	<2	<2	<2	<2	<1	3.9	<2	<2	<1	<2	--	<2	<2	<2	28	250
BYA-28	01/05/05	361.73	0.00	0.00	16.19	349.14	33.08	0.26	<0.5	--	1.5	<2	<2	<2	<2	<2	<1	<2	<2	<1	<2	<1	<2	<2	<2	<2	<1	<2	<2	<2	<1	<2	--	<2	<2	<2	35	990
BYA-28	04/04/05	361.73	0.00	0.00	10.75	352.58	33.08	0.87	0.6	--	0.97	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	3.5	400
BYA-29	07/08/98	--	--	--	--	--	--	<0.05	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	8.5	--	--	--	--	--	8.8	--	--	--	--	--
BYA-29	03/18/98	362.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-29	03/25/98	362.38	--	--	14.40	347.98	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	<1	--	--	--	<1	--
BYA-29	11/11/99	362.38	--	--	16.47	345.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-29	02/01/00	362.38	--	--	16.61	345.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-29	02/28/00	362.38	--	0.00	12.20	350.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-29	11/27/00	362.38	--	--	--	--	--	<0.05	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	99	<50
BYA-29	04/25/02	362.38	--	0.00	16.75	345.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-29	04/07/03	362.38	--	--	--	--	--	<0.05	<0.5	--	<40	--	--	--	--	--	--	--	--	--	--	<40	--	--	--	--	<40	--	--	--	ND	ND	<80	--	--	--	<100	<1,000
BYA-29	12/17/03	362.38	0.00	0.00	16.64	345.74	32.45	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	6.2	33
BYA-29	05/24/04	362.38	0.00	0.00	15.65	346.73	32.45	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-29	10/05/04	364.71	0.00	0.00	14.58	348.14	30.36	0.78	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-29	01/05/05	364.71	0.00	0.00	15.57	349.14	30.36	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-29	04/04/05	364.71	0.00	0.00	12.51	352.22	30.38	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-30	07/08/96	--	--	--	--	--	--	<0.05	<0.5	--	8.4	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	8.9	--	--	--	--	--	6.7	--	--	--	--	--
BYA-30	11/16/97	--	--	--	--	--	--	<0.05	<0.5	--	7.4	--	--	--	--	--	--	--	--	--	--	8.5	--	--	--	--	8.9	--	--	--	--	--	3.2	--	--	--	ND	--
BYA-30	01/22/98	--	--	--	--	--	--	<0.05	<0.5	--	<0.5	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	<0.5	--	--	--	--	--	<0.6	--	--	--	<10	--
BYA-30	02/24/98	--	--	--	--	--	--	0.1	<0.5	--	25	--	--	--	--	--	--	--	--	--	--	1.3	--	--	--	--	10	--	--	--	--	--	14	--	--	--	<10	--
BYA-30	03/18/98	362.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-30	03/25/98	362.92	--	--	15.50	347.42	--	0.1	NA	--	25	--	--	--	--	--	--	--	--	--	--	2.8	--	--	--	--	20	--	--	--	--	--	14	--	--	--	<10	--
BYA-30	04/05/99	362.92	--	--	--	--	--	1.3	9.5	--	91	--	--	--	--	--	--	--	--	--	--	31	--	--	--	--	130	--	--	--	2.8	2.0	180	--	--	--	ND	--
BYA-30	11/11/99	362.92	--	--	17.05	345.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-30	02/04/00	362.92	--	--	17.33	345.59	--	1.5	1.2	--	340	--	--	--	--	--	--	--	--	--	--	110	--	--	--	--	75	--	91	27	--	--	360	--	--	--	ND	ND
BYA-30	02/28/00	362.92	--	0.00	17.40	345.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-30	11/27/00	362.92	--	--	--	--	--	3.8	4.2	--	680	--	--	--	--	--	--	--	--	--	--	190	--	--	--	--	32	--	--	--	--	--	600	--	--	--	<5	830
BYA-30	08/02/01	362.92	--	--	--	--	--	8.7	8.9	--	3.1	--	--	--	--	--	--	--	--	2.1	--	3.3	--	--	23	--	<1	--	36	19	<1	120	125	--	--	--	<20	730
BYA-30	04/10/02	362.92	--	0.00	17.41	345.51	--	0.52	<0.50	--	67	--	83	--	--	--	--	--	--	--	--	24	--	--	--	--	<2	--	--	--	<2	16	11	--	--	--	<5	320
BYA-30	04/07/03	362.92	--	--	--	--	--	0.3	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	2.2	--	--	--	ND	2.2	<4	--	--	--	25	370
BYA-30	12/17/03	362.92	0.00	0.00	17.58	345.34	33.50	<0.05	<0.5	--	<0.5	<1	3.2	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	9.2	29
BYA-30	05/24/04	362.92	0.00	0.00	17.21	345.71	33.45	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-30	10/04/04	365.44	0.00	0.00	17.41	348.03	33.33	<0.1	0.52	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-30	01/04/05	365.44	0.00	0.00	16.28	349.16	33.29	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	1.8	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-30	04/04/05	365.44	0.00	0.00	13.46	351.98	33.29	1.5	<0.5	--	480	<5	<5	<5	<5	<5	<2.5	<5	<5	<2.5	<5	9.8	<5	<5	<5	<5	48	<5	31	32	57	51	--	<5	<5	<5	<5	<50
BYA-31	07/08/96	--	--	--	--	--	--	0.1	<0.5	--	8.2	--	--	--	--	--	--	--	--	--	--	0.9	--	--	--	--	3.8	--	--	--	--	--	6.7	--	--	--	--	--
BYA-31	11/16/97	--	--	--	--	--	--	<0.05	<0.5	--	<0.3	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.3	--	--	--	--	--	<0.6	--	--	--	64	--
BYA-31	12/18/97	--	--	--	--	--	--	<0.05	<0.5	--	<10	--	--	--	--	--	--	--	--	--	--	<10	--	--	--	--	<10	--	--	--	--	--	<20	--	--	--	<10	--
BYA-31	03/18/98	361.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-31	03/26/98	361.48	--	--	13.50	347.98	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	1.8	--	--	--	<1	--
BYA-31	11/11/99	361.48	--	--	15.60	345.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-31	02/01/00	361.48	--	--	15.85	345.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-31	02/28/00	361.48	--	0.00	10.50	350.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-31	11/27/00	361.48	--	--	--	--	--	<0.05	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	92	<50
BYA-31	04/25/02	361.48	--	0.00	15.75	345.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BYA-31	04/01/03	361.48	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	ND	ND	ND	--	--	--	ND	ND
BYA-31	12/17/03	361.48	0.00	0.00	15.74	345.74	33.83	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	8.8	<10
BYA-31	05/24/04	361.48	0.00	0.00	15.51	345.95	33.86	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	7.7	<10
BYA-31	10/05/04	363.83	0.00	0.00	15.21	348.60	33.78	0.96	<0.5	--	3.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	3.8	<1	<1	<1	<1	<0.5	<1	1.8	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-31	01/04/05	363.83	0.00	0.00	14.65	349.18	33.83	0.042	<0.5	--	3.3	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	2.8	<1	<0.5	<1	--	<1	<1	<1	2.8	<10
BYA-31	04/04/05	363.83	0.00	0.00	11.72	352.11	33.83	<0.05	<0.5	--	2.6	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	0.54	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10

EarthTech

TABLE 3A
SUMMARY OF AVAILABLE HISTORICAL GROUNDWATER MONITORING AND ANALYTICAL RESULTS - TPH and VOCs
Former Wright Petroleum Facility
Transcontinental Insurance
23791 El Toro Road, Laguna Hills, California
April 05

Well ID	Sample Date	Wellhead Elevation (AMSL)	Depth to Product (fbgs)	Product Thickness (feet)	Depth to Water (fbgs)	GW Elevation (AMSL)	Total Depth (fbgs)	EPA Method 8015M: TPH-g (mg/l)	TPH-d (mg/l)	TPH non-speciated (mg/l)	EPA Method 8260B or 8015/8020: Benzene (ug/l)	Bromodichloromethane (ug/l)	Bromoform (ug/l)	n-Butylbenzene (ug/l)	sec-Butylbenzene (ug/l)	tert-Butylbenzene (ug/l)	Carbon tetrachloride (ug/l)	Chloroform (ug/l)	Chloromethane (ug/l)	1,2-Dichloroethane (ug/l)	cis-1,2-Dichloroethene (ug/l)	Ethylbenzene (ug/l)	Isopropylbenzene (ug/l)	p-Isopropyltoluene (ug/l)	Naphthalene (ug/l)	n-Propylbenzene (ug/l)	Toluene (ug/l)	Trichloroethene (ug/l)	1,2,4-Trimethylbenzene (ug/l)	1,3,5-Trimethylbenzene (ug/l)	o-Xylene (ug/l)	m,p-Xylenes (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	MTBE (ug/l)	TBA (ug/l)
BYA-32	07/21/94	--	--	--	--	--	--	<0.05	<0.5	--	1.8	--	--	--	--	--	--	--	--	--	--	8.9	--	--	--	--	1.0	--	--	--	--	--	2.5	--	--	--	--	--
	01/14/97	--	--	--	--	--	--	<0.05	<0.5	--	<0.3	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	0.8	--	--	--	--	--	<0.6	--	--	--	<10	--
	01/22/98	--	--	--	--	--	--	<0.05	<0.5	--	<0.3	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.3	--	--	--	--	--	<0.6	--	--	--	<10	--
	07/24/98	--	--	--	--	--	--	<0.05	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	11	ND
	08/15/98	362.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/25/98	362.01	--	--	14.70	347.31	--	<0.05	NA	--	<0.3	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.3	--	--	--	--	--	1.0	--	--	--	<1	--
	11/11/99	362.01	--	--	15.13	346.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	362.01	--	--	16.56	345.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/21/00	362.01	--	0.00	16.70	345.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	362.01	--	--	--	--	--	8.2	8.4	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	<5	ND
	01/22/01	362.01	--	--	--	--	--	ND	ND	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	<2	<2	<4	--	--	--	<5	<50
	04/16/02	362.01	--	0.00	16.54	345.47	--	<0.5	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	<5	<20
	04/07/03	362.01	--	--	--	--	--	8.1	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	ND	ND	ND	--	--	--	ND	ND
	12/16/03	362.01	0.00	0.00	18.58	343.43	32.00	0.2	<0.5	--	10	<1	<1	<1	<1	<1	<0.5	<1	<1	0.72	<1	1.4	<1	<1	8.7	<1	<0.5	<1	1.4	<1	<0.5	<1	--	<1	<1	<1	1.5	<10
	05/24/04	362.01	0.00	0.00	15.40	346.61	32.30	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	10/04/04	364.12	0.00	0.00	15.44	348.68	31.58	<0.5	<0.5	--	0.44	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	01/04/05	364.12	0.00	0.00	15.40	348.72	32.00	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	04/04/05	364.12	0.00	0.00	13.02	351.10	32.00	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
BYA-31	07/21/94	--	--	--	--	--	--	ND	ND	--	3.7	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	1.5	--	--	--	--	--	1.5	--	--	--	--	--
	08/15/98	363.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/25/98	363.41	--	--	14.60	348.81	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	1.8	--	--	--	<1	--
	04/21/99	363.41	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	3.9	--
	11/11/99	363.41	--	--	14.57	348.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	363.41	--	--	14.91	348.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/21/00	363.41	--	0.00	15.00	348.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	363.41	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
	01/22/01	363.41	--	--	--	--	--	ND	ND	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	<2	<2	<4	--	--	--	37	41
	04/16/02	363.41	--	0.00	14.33	349.08	--	<0.5	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	116	<50
	04/07/03	363.41	--	--	--	--	--	8.1	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	ND	ND	ND	--	--	--	238	ND
	12/16/03	363.41	0.00	0.00	14.40	349.01	32.00	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	16	18
	05/24/04	363.41	0.00	0.00	14.40	349.01	32.32	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	3.7	12
	10/04/04	362.84	0.00	0.00	14.47	348.37	32.11	0.36	<0.5	--	2.2	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	0.92	<1	<1	<1	<1	<0.5	<1	1.1	<1	<0.5	<1	--	<1	<1	<1	5.9	11
	01/04/05	362.84	0.00	0.00	13.62	349.22	32.15	0.32	<0.5	--	7.6	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	1.1	<1	3.8	2.0	<0.5	<1	3.6	<1	<0.5	1.2	--	<1	<1	<1	18	<10
	04/05/05	362.84	0.00	0.00	11.01	351.83	32.15	0.044	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	3.9	<10
BYA-34	07/21/94	--	--	--	--	--	--	8.2	ND	--	21	--	--	--	--	--	--	--	--	--	--	8.5	--	--	--	--	3.4	--	--	--	--	--	27	--	--	--	--	--
	08/15/98	361.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/25/98	361.40	--	--	13.70	347.70	--	<0.5	<0.05	--	41	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	<1	--	--	--	<1	--
	04/21/99	361.40	--	--	--	--	--	8.1	ND	--	72	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	--
	02/04/00	361.40	--	--	16.10	345.30	--	ND	ND	--	18	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
	11/27/00	361.40	--	--	--	--	--	8.2	ND	--	92	--	--	--	--	--	--	--	--	--	--	8.1	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
	04/16/02	361.40	--	--	--	--	--	8.1	<0.5	--	33	--	--	--	--	--	--	--	--	--	--	2.2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	45	<50
	04/07/03	361.40	--	--	--	--	--	8.1	ND	--	4.3	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	3.8	--	--	--	ND	2.2	2.2	--	--	--	ND	ND
	12/16/03	361.40	0.00	0.00	15.96	345.44	30.55	0.053	<0.5	--	<0.5	<1	3.5	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	28	38
	05/27/04	361.40	0.00	0.00	15.85	345.55	30.40	0.22	<0.5	--	118	<1	<1	<1	<1	<1	<0.5	2.2	<1	<0.5	<1	3.6	<1	<1	31	1.8	0.35	<1	<1	<1	0.6	1.9	--	<1	<1	<1	<1	<10
	10/04/04	361.75	0.00	0.00	14.88	346.87	30.44	0.57	<0.5	--	179	<1	<1	<1	<1	<1	<0.5	<1	<1	3.5	<1	3.6	2.0	<1	35	3.4	0.84	<1	<1	<1	<0.5	2.1	--	<1	<1	<1	3.5	34
	01/04/05	361.75	0.00	0.00	14.32	347.43	30.41	0.88	<0.5	--	260	<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<2.5	<2.5	1.2	<2.5	6.8	3.8	<2.5	45	3.4	1.4	<2.5	<2.5	<2.5	<1.2	<2.5	--	<2.5	<2.5	<2.5	3.8	<25
	04/04/05	361.75	0.00	0.00	12.11	349.64	30.41	0.82	<0.5	--	200	<5	<5	<5	<5	<5	<2.5	<5	<5	<2.5	<5	7.2	<5	<5	29	<5	2.7	<5	<5	<5	<2.5	<5	--	<5	<5	<5	<5	<50
IT-1	11/27/90	--	14.00	1.30	15.30	344.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	46.8	2.8	--	12,000	--	--	--	--	--	--	--	--	--	--	398	--	--	--	--	3,400	--	--	--	--	--	2,400	--	--	--	--	--
	03/01/95	--	--	--	--	--	--	--	--	--	3,800	--	--	--	--	--	--	--	--	--	--	1,300	--	--	--	--	1,100	--	--	--	--	--	6,700	--	--	--	--	--
	08/01/95	--	--	--	--	--	--	--	--	--	408	--	--	--	--	--	--	--	--	--	--	28	--	--	--	--	17	--	--	--	--	--	57	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	16	8.5	--	--	--	--	--	--	--	--	--	--	8.3	--	--	--	--	8.2	--	--	--	--	--	8.4	--	--	--	--	--
	08/15/98	358.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/25/98	358.49	--	--	10.60	347.89	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	1.0	--	--	--	--	<1	--	--	--	--	--	<1	--	--	--	118	--
	04/12/99	358.49	--	--	--	--	--	3.3	2.8	--	16	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	210	--
	11/11/99	358.49	--	--	12.35	345.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/04/00	358.49	--	--	12.72	345.77	--	1.3	2.4	--	30	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	250	ND
	02/28/00	358.49	--	0.00	13.40	345.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/12/00	358.49	--	--	--	--	--	--	--	--	93	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	610	ND
	07/12/00	358.49	--	--	--	--	--	--	--	--	110	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	490	228
	11/27/00	358.49	--	--	--	--	--	2.5	6.5	--	170	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	510	270
	01/22/01	358.49	--	--	--	--	--	8.4	2.6	--	190	--	--	--	--	--	--	--	--	--	--	<20	--	--	--	--	<20	--	--	--	<20	<20	<40	--	--	--	560	<500
	04/25/01	358.49	--	--	--	--	--	8.9	19	--	7.8	--	--	--	--	--	--	--	--	--	--	<4	--	--	--	--	<4	--	5.9	--	<4	<4	<8	--	--	--	92	248
	04/16/02	358.49	--	0.00	13.13	345.31	--	5.5	21	--	750	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	348	1,200
	04/07/03	358.49	--	--	--	--	--	3.9	16	--	1,300	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	65	--	--	--	--	--	ND	--	--	--	198	2,600
	12/16/03	358.49	Sheen	Sheen	12.35	346.14	27.72	3.5	74	--	250	<4	<4	7.6	4.6	<4	<2	<4	<4	<2	<4	2.4	16	<4	9.3	18	6.7	<4	<4	<4	3.9	5.7	--	<4	<4	<4	68	2,500
	05/28/04	358.49	0.00	0.00	11.93	346.56	27.87	3.5	13	--	160	<4	<4	<4	<4	<4	<2	<4	<4	<2	<4	2.8	12	<4	4.8	1.8	3.3	<4	<4	<4	<2	3.9	--	<4	<4	<4	88	2,700
	10/06/04	360.85	0.00	0.00	12.27	348.58	27.72	5.2	29	--	130	<5	<5	<5	<5	<5	<2.5	<5	<5	<2.5	<5	<2.5	9.8	<5	<5	7.4	3.4	<5	<5	<5	<2.5	<5	--	<5	<5	<5	77	1,700
	01/07/05	360.85	0.00	0.00	10.84	350.01	27.72	18	13	--	290	<5	<5	<5	<5	<5	<2.5	<5	<5	<2.5	<5	2.6	8.5	<5	<5	7.0	5.5	<5	<5	<5	<2.5	<5	--	<5	<5	<5	148	2,200
	04/05/05	360.85	Sheen	Sheen	9.48	351.37	27.72	4	17	--	1200	<25	<25	<25	<25	<25	<12	<25	<25	<12	<25	27	<25	<25	28	28	<12	<25	<25	<25	<12	<25	--	<25	<25	<25	228	3,500
IT-3	11/27/90	--	15.70	2.10	18.10	343.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/15/98	359.49	--	--	9.49	350.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/25/98	359.49	--	--	11.10	348.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/12/99	359.49	--	--	--	--	--	8.16	13	--	55	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	45	--
	11/11/99	359.49	--	--	13.75	345.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	359.49	--	--	13.90	345.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/28/00	359.49	--	0.00	14.00	345.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	359.49	--	--	--	--	--	9.9	3.1	--	49	--	--	--	--	--	--	--	--	--	--	7.8	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	41	ND
	01/22/01	359.49	--	--	--	--	--	3.5	11	--	21	--	--	--	--	--	--	14	--	--	--	3.8	2.1	--	--	47	ND	--	--	--	<2	<2	<4	--	--	--	54	<50
	04/16/02	359.49	--	0.00	13.57	345.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/07/03	359.49	--	--	--	--	--	9.5	2.3	--	68	--	--	--	--	--	--	--	--	--	--	18	--	--	--	--	33	--	--	--	--	--	35	--	--	--	160	220
	12/18/03	359.49	0.00	0.00	13.52	345.97	27.13	1.6	21	--	77	<2	<2	<2	2.3	<2	<1	2.0	<2	<1	<2	<1	5.1	<2	4.3	16	1.0	<2	<2	<2	<1	<2	--	<2	<2	<2	150	256
	05/26/04	359.49	0.00	0.00	13.02	346.47	27.22	0.48	9.8	--	34	<1	<1	<1	1.3	<1	<0.5	2.0	<1	<0.5	<1	1.0	4.0	<1	<1	7.6	2.9	<1	<1	<1	<0.5	2.2	--	<1	<1	<1	29	129
	10/06/04	361.21	0.00	0.00	13.44	347.77	27.14	0.8	2.6	--	57	<2	<2	<2	2.5	<2	<1	<2	<2	<1	<2	1.0	7.1	<2	2.1	15	1.2	<2	<2	<2	<1	<2	--	<2	<2	<2	310	328
	01/07/05	361.21	0.00	0.00	11.51	349.70	27.14	0.28	2.4	--	5.2	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	2.7	38
	04/07/05	361.21	0.00	0.00	8.11	353.10	27.14	0.84	2.5	--	91	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10	<5	<10	<10	<10	<10	<5	<10	<10	<10	<5	<10	--	<10	<10	<10	79	2,200
IT-4	11/27/90	--	13.31	0.82	14.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.03	--	345.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/15/98	357.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/25/98	357.71	--	--	9.50	348.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/03	357.71	10.81	1.34	12.15	346.63	28.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/28/04	357.71	7.55	0.21	7.85	350.10	28.77	9,200	350	--	850	<400	<400	<400	<400	<400	<200	<400	<400	<200	<400	5,000	<400	<400	<400	1,300	29,000	<400	9,900	2,500	10,000	27,000	--	<400	<400	<400	<400	<4000
	10/05/04	362.03	6.58	0.49	7.07	355.40	28.77	160	55	--	670	<200	<200	<200	<200	<200	<100	<200	<200	<100	<200	4,300	340	<200	268	1,100	5,800	<200	8,820	2,300	8,300	19,000	--	<200	<200	<200	<200	<2000
	01/05/05	362.03	Sheen	Sheen	1.08	355.07	28.77	628	29	--	<120	<250	<250	<250	470	<250	<120	<250	<250	<120	<250	2,260	1,360	348	308	4,300	218	<250	28,600	9,600	4,300	14,000	--	<250	<250	<250	<250	<2500
	04/05/05	362.03	8.37	0.07	8.37	353.71	28.77	2,300	180	--	1600	<250	<250	<250	<250	<250	<120	<250	<250	<120	<250	1,700	420	<250	<250	1,200	5,700	<250	12,000	3,100	3,100	13,000	--	<250	<250	<250	<250	<2500
IT-5	11/27/90	--	18.33	0.35	18.60	343.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	<0.05	<0.5	--	<0.3	--	--	--	--	--	--	--	--	--	--	0.3	--	--	--	--	1.3	--	--	--	--	--	<0.7	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	150	21	--	--	--	--	--	--	--	--	--	--	9.4	--	--	--	--	1.8	--	--	--	--	--	28	--	--	--	--	--
	08/15/98	360.03	--	--	9.90	350.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/25/98	360.03	--	--	11.31	348.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/99	360.03	--	--	13.45	346.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	360.03	--	0.00	13.87	346.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/28/00	360.03	--	--	14.82	345.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	360.03	--	--	--	--	--	8.5	2.6	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	27	ND
	01/22/01	360.03	--	--	--	--	--	17	83	--	<20	--	--	--	--	--	--	--	--	--	--	<20	--	--	--	--	<20	--	--	--	<20	<20	<40	--	--	--	<50	<500
	04/16/02	360.03	--	0.10	14.04	346.04	--	8.47	45	--	<2	--	--	--	--	--	--	--	--	--	--	3.4	--	--	--	--	2.4	--	--	--	--	--	2.1	--	--	--	65	<50
	04/08/03	360.03	--	--	--	--	--	1.5	36	--	35	--	--	--	--	--	--	--	--	--	--	43	--	--	--	--	318	--	--	--	--	--	230	--	--	--	148	ND
	12/18/03	360.03	0.00	0.00	16.15	343.88	26.47	12	55	--	2.3	<2	<2	<2	<2	<2	<1	<2	<2	<1	<2	4.1	<2	<2	5.4	<2	3.2	<2	<2	<2	1.4	2.1	--	<2	<2	2.3	150	38
	05/27/04	360.03	13.93	0.01	14.00	346.12	26.47	4.9	240	--	0.54	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	3.4	1.8	<1	1.2	2.2	0.84	<1	<1	<1	0.32	<1	--	<1	<1	1.8	40	176
	10/06/04	362.44	14.17	0.07	14.15	348.31	26.47	8.35	300	--	0.98	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	1.5	<1	<1	<1	1.6	1.3	<1	<1	<1	0.62	<1	--	<1	<1	<1	32	220
	01/07/05	362.44	Sheen	Sheen	12.18	349.88	26.47	34	79	--	<1.2	<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<2.5	<2.5	<1.2	<2.5	3.2	<2.5	<2.5	<2.5	<2.5	<1.2	<2.5	<2.5	<2.5	<1.2	<2.5	--	<2.5	<2.5	<2.5	18	590
	04/05/05	362.44	10.48	0.01	10.50	351.95	26.47	2.0	82	--	<5	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10	<5	<10	<10	16	<10	<5	<10	<10	<10	<5	<10	--	<10	<10	<10	14	<100

TABLE 3A
SUMMARY OF AVAILABLE HISTORICAL GROUNDWATER MONITORING AND ANALYTICAL RESULTS - TPH and VOCs
Former Wright Petroleum Facility
Transcontinental Insurance
23551 El Toro Road, Laguna Hills, California
April 05

Well ID	Sample Date	Wellhead Elevation (AMSL)	Depth to Product (bgs)	Product Thickness (feet)	Depth to Water (bgs)	GW Elevation (AMSL)	Total Depth (bgs)	EPA Method 8015M TPH-g (mg/l)	TPH-d (mg/l)	TPH non-speciated (mg/l)	EPA Method 8260B or 8015/8020 Benzene (ug/l)	Bromodichloromethane (ug/l)	Bromoform (ug/l)	n-Butylbenzene (ug/l)	sec-Butylbenzene (ug/l)	tert-Butylbenzene (ug/l)	Carbon tetrachloride (ug/l)	Chloroform (ug/l)	Chloromethane (ug/l)	1,2-Dichloroethane (ug/l)	cis-1,2-Dichloroethene (ug/l)	Ethylbenzene (ug/l)	Isopropylbenzene (ug/l)	p-Isopropyltoluene (ug/l)	Naphthalene (ug/l)	n-Propylbenzene (ug/l)	Toluene (ug/l)	Trichloroethene (ug/l)	1,2,4-Trimethylbenzene (ug/l)	1,3,5-Trimethylbenzene (ug/l)	o-Xylene (ug/l)	m,p-Xylenes (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	MTBE (ug/l)	TBA (ug/l)
IT-4	11/27/90	--	15.71	0.77	16.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	345.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	9.2	4.8	--	46	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	0.5	--	--	--	--	--	6.7	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	8.6	10	--	--	--	--	--	--	--	--	--	--	8.0	--	--	--	--	2.9	--	--	--	--	--	20	--	--	--	--	--
	01/16/98	357.40	--	--	8.10	352.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/26/98	357.40	--	--	11.75	345.65	--	2.5	4.0	--	32	--	--	--	--	--	--	--	--	--	--	9.8	--	--	--	--	39	--	--	--	--	--	32	--	--	--	110	--
	11/11/99	357.40	--	--	13.40	346.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	357.40	--	0.00	11.38	346.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/24/00	357.40	--	--	12.50	347.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/10/02	357.40	--	0.00	11.37	346.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/28/03	357.40	--	--	--	--	--	0.4	18	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	3,900	ND
	12/17/03	357.40	0.00	0.00	13.07	347.51	21.10	2.0	8.3	--	28	<5	<5	<5	<5	<5	<2.5	<5	<5	<2.5	<5	3.9	<5	<5	<5	<5	3.4	<5	3.5	<5	5.4	<5	--	<5	<5	11	890	370
	10/25/04	361.18	0.00	0.00	12.81	348.37	21.45	0.81	26	--	35	<20	<20	<20	<20	<20	<10	<20	<20	<10	<20	<10	<20	<20	<20	<20	<10	<20	48	<20	<10	<20	--	<20	<20	<20	430	11,000
	01/07/05	361.18	0.00	0.00	11.40	350.18	21.45	1.1	61	--	30	<5	<5	<5	<5	<5	<2.5	<5	<5	<2.5	<5	5.8	<5	<5	<5	<5	3.8	<5	<5	<5	5.8	8.8	--	<5	<5	<5	220	3,300
	04/05/05	361.18	0.00	0.00	9.20	352.78	21.45	0.1	4	--	14	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	3.3	<1	<1	<1	<1	2.8	<1	1.3	<1	4.3	4.8	--	<1	<1	2.8	110	710
IT-7	11/27/90	--	13.81	0.08	13.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	345.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	0.3	3.9	--	300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	--	<0.2	--	--	--	--	--
	01/15/98	358.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/26/98	358.84	--	--	11.20	347.64	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	<1	--	--	--	22	--
	04/12/99	358.84	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	13	--
	11/11/99	358.84	--	--	11.50	346.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	358.84	--	0.00	11.51	346.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/24/00	358.84	--	--	14.15	345.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/22/00	358.84	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	12	ND
	07/12/00	358.84	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	8.1	ND
	11/27/00	358.84	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	13	ND
	04/26/01	358.84	--	--	--	--	--	0.1	ND	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	<2	<2	<4	--	--	--	8.5	<50
	04/10/02	358.84	--	0.00	11.53	346.31	--	<0.5	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	<5	<50
	04/28/03	358.84	--	--	--	--	--	0.6	ND	--	25	--	--	--	--	--	--	--	--	--	--	24	--	--	--	--	170	--	--	--	--	--	130	--	--	--	ND	ND
	12/16/03	358.84	0.00	0.00	12.28	346.58	24.85	0.064	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	7.0	<10
	05/21/04	358.84	0.00	0.00	12.86	346.88	24.75	0.083	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	1.6	<1	<1	<1	<0.5	2.2	--	<1	<1	<1	15	<10
	10/25/04	362.21	0.00	0.00	11.44	348.77	24.03	0.13	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	8.7	10
	01/06/05	362.21	0.00	0.00	12.35	349.86	24.03	0.15	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	3.7	<10
	04/07/05	362.21	0.00	0.00	9.94	352.27	24.03	0.064	0.23	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	2.3	<10
IT-8	05/01/92	--	--	0.00	--	344.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	8.2	9.0	--	--	--	--	--	--	--	--	--	--	7.8	--	--	--	--	3.8	--	--	--	--	--	29	--	--	--	--	--
	04/01/98	--	--	--	--	--	--	7.0	2.4	--	740	--	--	--	--	--	--	--	--	--	--	490	--	--	--	--	230	--	--	--	--	--	710	--	--	--	260	--
	01/15/98	357.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/26/98	357.66	--	--	10.40	347.26	--	5.2	<0.05	--	230	--	--	--	--	--	--	--	--	--	--	<5	--	--	--	--	13	--	--	--	--	--	230	--	--	--	210	--
	04/12/99	357.66	--	--	--	--	--	5.5	1.9	--	850	--	--	--	--	--	--	--	--	--	--	240	--	--	--	--	ND	--	--	--	--	--	110	--	--	--	ND	--
	11/11/99	357.66	--	--	11.95	345.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/24/00	357.66	--	0.00	12.18	345.48	--	4.8	ND	--	270	--	--	--	--	--	--	--	--	--	--	200	70	--	320	230	22	--	--	--	--	--	73	--	--	--	ND	ND
	05/22/00	357.66	--	--	20.10	337.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	357.66	--	--	--	--	--	0.8	ND	--	57	--	--	--	--	--	--	--	--	--	--	53	--	--	--	--	11	--	--	--	--	--	56	--	--	--	300	170
	04/26/01	357.66	--	--	--	--	--	1.3	0.4	--	110	--	--	--	--	--	--	--	--	--	--	110	8.4	46	--	21	18	--	34	19	25	44	29	--	--	--	98	<100
	04/10/02	357.66	--	0.00	12.23	345.43	--	5.4	1.7	--	840	--	--	--	--	--	--	--	--	--	--	500	--	--	--	--	<20	--	--	--	--	--	210	--	--	--	<20	<100
	12/17/03	357.66	0.00	0.00	11.96	345.70	28.55	4.5	1.3	--	250	<4	<4	<4	18	<4	<2	<4	<4	<2	<4	330	64	<4	170	160	25	<4	110	33	19	280	--	<4	<4	<4	8.4	80
	05/21/04	357.66	0.00	0.00	12.68	344.98	28.73	2.8	21A	--	260	<4	<4	7.2	6.7	<4	<2	<4	<4	<2	<4	230	39	<4	85	100	22	<4	83	26	28	130	--	<4	<4	<4	32	420
	10/25/04	360.06	0.00	0.00	13.60	347.46	28.55	0.43	0.47	--	44	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	8.5	2.2	<1	4.2	2.3	2.9	<1	2.4	2.7	2.3	12	--	<1	<1	<1	29	390
	01/06/05	360.06	0.00	0.00	10.87	349.09	28.55	3.3	1.8	--	310	<5	<5	10	8.8	<5	<2.5	<5	<5	<2.5	<5	120	41	<5	150	95	16	<5	78	7.8	9.3	120	--	<5	<5	<5	15	390
	04/07/05	360.06	0.00	0.00	9.42	350.64	28.55	3.2	1.4	--	460	<5	<5	7	5.8	<5	<2.5	<5	<5	<2.5	<5	150	41	<5	110	90	11	<5	37	8.3	8.4	110	--	<5	<5	<5	7.8	310
IT-9	05/01/92	--	--	0.00	--	341.34	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	4.8	<0.5	--	600	--	--	--	--	--	--	--	--	--	--	160	--	--	--	--	18	--	--	--	--	--	440	--	--	--	--	--
	05/01/95	--	--	--	--	--	--	--	--	--	1,700	--	--	--	--	--	--	--	--	--	--	370	--	--	--	--	310	--	--	--	--	--	1,200	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	3.8	0.2	--	--	--	--	--	--	--	--	--	--	0.3	--	--	--	--	0.2	--	--	--	--	--	0.48	--	--	--	--	--
	06/18/97	--	--	--	--	--	--	1.2	--	--	340	--	--	--	--	--	--	--	--	--	--	75	--	--	--	--	ND	--	--	--	--	--	64	--	--	--	24	--
	01/21/98	--	--	--	--	--	--	4.6	1.2	--	1,200	--	--	--	--	--	--	--	--	--	--	400	--	--	--	--	27	--	--	--	--	--	460	--	--	--	ND	--
	01/15/98	358.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/26/98	358.08	--	--	10.70	347.38	--	8.5	<0.05	--	6.0	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	4.0	--	--	--	150	--
	11/11/99	358.08	--	--	12.55	345.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	358.08	--	0.00	12.49	345.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/00	358.08	--	--	12.00	345.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/10/02	358.08	--	--	13.71	344.37	--	1.2	0.75	--	310	--	--	--	--	--	--	--	--	--	--	26	--	--	--	--	<10	--	--	--	--	--	<20	--	--	--	<25	<250
	12/17/03	358.08	0.00	0.00	12.08	346.00	28.61	3.3	0.69	--	230	<4	<4	<4	<4	<4	4.8	<4	<4	<2	<4	5.3	33	<4	54	28	3.6	<4	<4	<4	<2	33	--	<4	<4	<4	8.1	<10
	05/21/04	358.08	0.00	0.00	11.85	346.23	28.28	0.41	0.74	--	49	<1	<1	2.0	3.5	<1	<0.5	<1	<1	<0.5	<1	2.4	5.9	<1	15	14	0.95	<1	<1	<1	0.59	3.9	--	<1	<1	<1	21	15
	10/25/04	360.51	0.00	0.00	12.02	348.49	28.22	1.6	1.5	--	140	<1	<1	<1	2.5	<1	<0.5	<1	<1	<0.5	<1	4.4	12	<1	48	29	2.3	<1	<1	<1	1.3	13	--	<1	<1	<1	12	28
	01/06/05	360.51	0.00	0.00	11.13	349.38	28.22	2.9	0.88	--	130	<2	<2	3.2	<2	<2	<1	<2	<2	<1	<2	15	9.4	<2	25	25	3.3	<2	5.7	<2	<1	14	--	<2	<2	<2	15	21
	04/07/05	360.51	0.00	0.00	9.49	351.02	28.22	8.3	1.3	--	59	<1	<1	<1	1.8	<1	<0.5	<1	<1	<0.5	<1	17	15	<1	11	23	0.87	<1	18	1.9	0.35	13	--	<1	<1	<1	32	46
IT-10	11/27/90	--	--	0.00	341.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	8.2	0.2	--	--	--	--	--	--	--	--	--	--	0.3	--	--	--	--	0.2	--	--	--	--	--	0.40	--	--	--	--	--
	04/21/97	357.80	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/01/98	357.80	--	--	--	--	--	0.1	0.8	--	3.7	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	--
	02/04/98	357.80	--	--	--	--	--	3.2	1.6	--	610	--	--	--	--	--	--	--	--	--	--	660	--	--	--	--	16	--	--	--	--	--	400	--	--	--	ND	--
	01/15/98	357.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/26/98	357.80	--	--	8.70	348.50	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	3.8	--	--	--	<1	--
	04/12/99	357.80	--	--	--	--	--	0.093	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	--
	11/11/99	357.80	--	--	12.50	345.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	357.80	--	0.00	12.58	345.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/00	357.80	--	--	12.50	344.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/01/00	357.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/10/02	357.80	--	0.00	12.65	345.15	--	0.052	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	<5	<50
	12/17/03	357.80	0.00	0.00	11.39	346.41	30.82	0.24	0.36	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	1.4	29
	05/21/04	357.80	0.00	0.00	11.03	346.77	30.60	0.43	11A	--	0.55	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	0.78	<1	<1	<1	<1	2.6	<1	<1	<1	0.60	3.5	--	<1	<1	<1	1.8	33
	10/25/04	360.27	0.00	0.00	11.27	349.00	30.85	0.054	1.3	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	13
	01/06/05	360.27	0.00	0.00	10.04	350.23	30.85	0.44	13	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	16
	04/07/05	360.27	0.00	0.00	8.94	351.33	30.85	0.093	2.2	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	2.9	<10
IT-11	11/27/90	--	14.58	0.45	15.03	343.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	150	500	--	--	--	--	--	--	--	--	--	--	450	--	--	--	--	6.4	--	--	--	--	--	350	--	--	--	--	--
	04/21/97	357.05	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/16/97	357.05	--	--	--	--	--	7.4	--	--	920	--	--	--	--	--	--	--	--	--	--	290	--	--	--	--	ND	--	--	--	--	--	400	--	--	--	65	--
	01/23/98	357.05	--	--	--	--	--	8.1	500	--	980	--	--	--	--	--	--	--	--	--	--	310	--	--	--	--	ND	--	--	--	--	--	47	--	--	--	ND	--
	01/15/98	357.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/26/98	357.05	--	--	11.80	345.25	--	8.7	55	--	350	--	--	--	--	--	--	--	--	--	--	250	--	--	--	--	14	--	--	--	--	--	94	--	--	--	78	--
	11/11/99	357.05	7.50	4.00	15.10	345.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	357.05	12.83	0.03	12.97	345.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/24/00	357.05	--	--	21.30	337.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	357.05	--	--	--	--	--	0.2	2.2	--	40	--	--	--	--	--	--	--	--	--	--	19	--	--	--	--	ND	--	--	--	--	--	39	--	--	--	350	200
	04/26/01	357.05	--	0.00	12.53	344.52	--	34	4.5	--	220	--	--	--	--	--	--	--	--	--	--	33	--	--	--	--	<5	--	--	--	--	--	<10	--	--	--	<20	<200
	04/10/02	357.05	--	--	--	--	--	10	40	--	85	--	--	--	--	--	--	--	--	14	--	45	8.3	--	15	22	<2	--	--	--	<2	<2	<4	--	--	--	<5	<50
	12/17/03	357.65	0.00	0.00	13.01	344.64	25.75	140	310	--	250	<4	<4	<4	<4	<4	<2	<4	<4	<2	<4	7.3	28	<4	220	61	4.8	<4	<4	31	<2	6.8	--	4.0	<4	<4	6.5	130
	05/21/04	357.65	0.00	0.00	12.71	345.27	25.50	18	79	--	4.4	<1	<1	<1	1.2	<1	<0.5	<1	<1	0.38	<1	0.78	3.1	<1	1.5	9.0	0.54	<1	<1	<1	<0.5	3.0	--	<1	<1	<1	130	410
	10/25/04	360.31	0.00	0.00	12.75	347.56	25.71	17	46	--	220	<2.5	<2.5	<2.5	7.5	<2.5	<1.3	<2.5	<2.5	<1.3	<2.5	1.5	35	2.5	22	41	2.8	<2.5	<2.5	<2.5	<1.3	<2.5	--	<2.5	<2.5	<2.5	57	440
	01/06/05	360.31	0.00	0.00	11.75	348.56	25.71	160	110	--	340	<5	<5	<5	<5	<5	<2.5	<5	<5	<2.5	<5	12	32	<5	190	66	4.8	<5	<5	<5	<2.5	<5	--	<5	<5	<5	7.8	170
	04/07/05	360.31	Sheen	Sheen	10.34	349.97	25.71	250	390	--	230	<5	<5	<5	<5	<5	<2.5	<5	<5	<2.5	<5	11	29	<5	41	69	3.8	<5	<5	<5	<2.5	<5	--	<5	<5	<5	<5	<20
IT-12	11/27/90	--	13.70	0.50	14.20	343.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/15/98	357.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/26/98	357.44	--	--	8.00	349.44	--	<0.5	1.8	--	2.8	--	--	--	--	--	--	--	--	--	--	2.8	--	--	--	--	<1	--	--	--	--	--	<1	--	--	--	<1	--
	11/11/99	357.44	--	--	11.10	346.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	357.44	--	0.00	12.21	345.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/24/00	357.44	--	--	12.10	345.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/10/02	357.44	--	0.00	12.27	345.17	--	<0.5	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	<5	<50
	04/07/03	357.44	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	ND	ND	ND	--	--	--	ND	ND
	12/17/03	357.44	0.00	0.00	11.52	345.92	23.40	<50	0.24	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	05/21/04	357.44	0.00	0.00	10.81	346.63	24.25	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	10/25/04	359.73	0.00	0.00	9.19	350.54	24.28	<0.5	2.8	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	01/05/05	359.73	0.00	0.00	6.83	352.83	23.22	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	04/07/05	359.73	0.00	0.00	6.59	353.14	23.22	<0.05	2.4	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
IT-13	11/27/90	--	--	1.00	12.77	343.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/94	--	--	--	--	--	--	<50	<0.5	--	<0.3	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.2	--	--	--	--	--	<0.3	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	--	--	--	--	--	--	<0.1	--	--	--	--	<0.3	--	--	--	--	--	<0.4	--	--	--	--	--
	05/01/95	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	--	--	--	--	--	--	<0.1	--	--	--	--	<0.3	--	--	--	--	--	<0.4	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	0.2	0.2	--	--	--	--	--	--	--	--	--	--	0.3	--	--	--	--	0.2	--	--	--	--	--	0.48	--	--	--	--	--
	01/21/98	--	--	--	--	--	--	ND	ND	--	0.3	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	--
	01/16/98	357.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/26/98	357.33	--	--	10.80	346.53	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	1.0	--	--	--	--	<1	--	--	--	--	--	<1	--	--	--	5.0	--
	04/12/99	357.33	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	--
	11/11/99	357.33	--	--	12.40	344.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	357.33	--	0.00	12.42	344.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/24/00	357.33	--	--	13.02	344.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	357.33	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
	04/25/02	357.33	--	0.00	12.46	344.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/16/03	357.33	0.00	0.00	12.21	345.13	19.35	<50	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	70	<10
	05/21/04	357.33	0.00	0.00	12.05	345.34	20.35	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	38	14
	10/25/04	359.64	0.00	0.00	12.26	347.38	19.83	<0.5	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	29	31
	01/07/05	359.64	0.00	0.00	11.10	348.54	19.83	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	28	33
	04/05/05	359.64	0.00	0.00	9.73	349.91	19.83	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	28	32

TABLE 3A
SUMMARY OF AVAILABLE HISTORICAL GROUNDWATER MONITORING AND ANALYTICAL RESULTS - TPH and VOCs
Former Wright Petroleum Facility
Transcontinental Insurance
23551 El Toro Road, Laguna Hills, California
April 05

Well ID	Sample Date	Wellhead Elevation (AMSL)	Depth to Product (bgs)	Product Thickness (feet)	Depth to Water (bgs)	GW Elevation (AMSL)	Total Depth (bgs)	EPA Method 8015M: TPH-g (mg/l)	TPH-d (mg/l)	TPH non-speciated (mg/l)	EPA Method 8260B or 8015/8020: Benzene (ug/l)	Bromodichloromethane (ug/l)	Bromoform (ug/l)	n-Butylbenzene (ug/l)	sec-Butylbenzene (ug/l)	tert-Butylbenzene (ug/l)	Carbon tetrachloride (ug/l)	Chloroform (ug/l)	Chloromethane (ug/l)	1,2-Dichloroethane (ug/l)	cis-1,2-Dichloroethene (ug/l)	Ethylbenzene (ug/l)	Isopropylbenzene (ug/l)	p-Isopropyltoluene (ug/l)	Naphthalene (ug/l)	n-Propylbenzene (ug/l)	Toluene (ug/l)	Trichloroethene (ug/l)	1,2,4-Trimethylbenzene (ug/l)	1,3,5-Trimethylbenzene (ug/l)	o-Xylene (ug/l)	m,p-Xylenes (ug/l)	Total Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	MTBE (ug/l)	TBA (ug/l)
EMW-14	05/01/92	--	--	0.00	--	345.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	<100	<0.5	--	35	--	--	--	--	--	--	--	--	--	--	1.8	--	--	--	--	<0.2	--	--	--	--	--	<0.2	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	8.2	0.2	--	--	--	--	--	--	--	--	--	--	8.3	--	--	--	--	8.3	--	--	--	--	--	0.40	--	--	--	--	--
	01/15/98	358.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/29/98	358.32	--	--	10.80	348.52	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	<1	--	--	--	<1	--
	04/12/98	358.32	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	--
	11/11/99	358.32	--	--	12.85	346.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	358.32	--	0.00	11.10	346.22	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	--
	02/01/00	358.32	--	--	8.10	350.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	358.32	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	5.1	ND
	01/02/01	358.32	--	--	--	--	--	ND	ND	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	<2	<2	<4	--	--	--	<5	<50
	04/16/02	358.32	--	0.00	12.15	346.17	--	0.078	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	14	<50
	04/24/03	358.32	--	--	--	--	--	1.0	2.6	--	29	--	--	--	--	--	--	--	--	--	--	45	--	--	--	--	300	--	--	--	--	--	240	--	--	--	ND	ND
	12/18/03	358.32	0.00	0.00	12.87	345.45	28.14	0.264	0.72	--	0.94	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	18	<10
	03/18/04	358.32	0.00	0.00	12.45	345.87	28.27	0.11	<0.5	--	3.4	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	0.52	<1	<1	<1	<1	1.9	<1	<1	<1	<0.5	3.3	--	<1	<1	<1	38	<10
	10/07/04	361.69	0.00	0.00	12.74	348.95	27.12	0.13	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	37	40
	01/07/05	361.69	0.00	0.00	11.36	350.33	27.12	0.16	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	0.61	<1	<1	<1	<1	1.2	<1	1.4	<1	1.2	3.3	--	<1	<1	<1	19	<10
	04/07/05	361.69	0.00	0.00	9.75	351.94	27.12	0.17	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	37	<10
EMW-16	11/27/90	--	--	0.00	15.27	342.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	341.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	<100	<0.5	--	<0.2	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.2	--	--	--	--	--	<0.2	--	--	--	--	--
	01/01/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	2.0	0.2	--	--	--	--	--	--	--	--	--	--	0.4	--	--	--	--	0.2	--	--	--	--	--	0.30	--	--	--	--	--
	01/23/98	--	--	--	--	--	--	ND	1.3	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	--
	01/15/98	358.33	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.3	--	--	--	--	--	<0.4	--	--	--	--	--
	01/26/98	358.33	--	--	12.33	346.00	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	2.0	--	--	--	--	--	4.0	--	--	--	<1	--
	04/25/98	358.33	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	--
	11/11/99	358.33	--	--	13.85	344.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	358.33	--	--	13.70	344.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	358.33	--	0.00	13.80	344.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	358.33	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
	04/23/01	358.33	--	0.00	13.76	344.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/07/03	358.33	--	--	--	--	--	8.1	ND	--	1.4	--	--	--	--	--	--	--	--	--	--	15	--	--	--	--	ND	--	--	--	ND	2.0	2.0	--	--	--	ND	ND
	12/18/03	358.30	0.00	0.00	13.46	344.84	27.84	0.251	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	3.2	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	3.5	<10
	03/25/04	358.30	0.00	0.00	13.49	344.81	27.73	0.07	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	3.5	<1	<0.5	<1	<1	<1	<1	2.4	<1	<1	<1	<0.5	<1	--	1.2	<1	<1	1.1	<10
	10/08/04	360.50	0.00	0.00	13.72	346.78	27.72	0.049	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	3.1	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	1.1	<1	<1	1.1	<10
	01/05/05	360.50	0.00	0.00	12.16	347.34	27.74	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	2.8	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	04/05/05	360.50	0.00	0.00	11.06	349.44	27.74	0.54	0.43	--	15	<10	<10	<10	<10	<10	<5	<10	<10	<5	<10	<5	<10	<10	<10	<10	<5	<10	<10	<10	<5	<10	--	<10	<10	<10	1200	<100
EMW-17	11/27/90	--	16.23	1.81	18.04	341.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	2.40	--	344.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	<100	<0.5	--	1.8	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	0.4	--	--	--	--	--	0.60	--	--	--	--	--
	01/01/95	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.2	--	--	--	--	--	<0.4	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	8.2	0.3	--	--	--	--	--	--	--	--	--	--	8.3	--	--	--	--	0.3	--	--	--	--	--	0.40	--	--	--	--	--
EMW-18	11/27/90	--	17.82	1.19	19.01	341.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	<100	23	--	0.9	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.2	--	--	--	--	--	<0.2	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	18	0.2	--	--	--	--	--	--	--	--	--	--	0.3	--	--	--	--	0.3	--	--	--	--	--	0.40	--	--	--	--	--
EMW-19	05/01/92	--	--	0.00	--	344.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	<100	0.4	--	<0.2	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.2	--	--	--	--	--	0.60	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	9.6	0.3	--	--	--	--	--	--	--	--	--	--	0.3	--	--	--	--	0.3	--	--	--	--	--	0.40	--	--	--	--	--
MW-6	05/01/92	--	--	0.00	--	342.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	05/01/92	--	--	0.00	--	341.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	--	--	--	11.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	--	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
	04/07/03	--	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	ND	ND	ND	--	--	--	ND	ND
	12/18/03	--	0.00	0.00	13.14	--	33.31	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	03/25/04	--	0.00	0.00	12.85	--	33.25	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	10/01/04	359.61	0.00	0.00	13.05	346.56	33.16	<0.5	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	01/05/05	359.61	0.00	0.00	11.88	347.63	33.16	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	04/05/05	359.61	0.00	0.00	9.50	350.11	33.16	<0.05	<0.5	--	1.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	4.5	100
MW-9	11/27/90	--	14.03	3.30	17.33	342.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	1.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	341.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	109.0	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/15/95	--	--	1.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/18/95	--	--	0.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/18/95	--	--	5.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/31/95	--	--	0.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/95	--	--	0.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/18/95	--	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/05/97	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/11/97	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/01/97	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/01/97	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/27/97	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/22/97	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/20/97	--	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/24/98	--	--	--	--	--	--	3.9	--	--	410	--	--	--	--	--	--	--	--	--	--	49	--	--	--	--	53	--	--	--	--	--	340	--	--	--	ND	--
	01/15/98	360.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/26/98	360.34	--	--	17.02	343.34	--	3.9	31A	--	410	--	--	--	--	--	--	--	--	--	--	49	--	--	--	--	53	--	--	--	--	--	340	--	--	--	<10	--
	11/11/99	360.34	--	Sheen	13.21	347.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	360.34	--	0.00	13.73	346.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	360.34	--	--	--	--	--	230	120	--	130	--	--	--	--	--	--	--	--	--	--	95	--	--	--	--	18	--	--	--	--	--	220	--	--	--	ND	ND
	01/02/01	360.34	--	--	--	--	--	2.1	4.7	--	73	--	--	--	--	--	--	--	--	--	--	28	--	4.3	33	9.3	<4	--	120	37	8	18	24	--	--	--	<10	<100
	04/10/03	360.34	--	0.00	16.17	343.83	--	3.7	31	--	85	--	--	--	--	--	--	--	--	--	--	14	--	--	--	--	<2	--	--	--	--	--	7.5	--	--	--	<5	<50
	12/16/03	360.34	0.00	0.00	13.70	347.64	19.45	0.41	2.4	--	34	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	9.4	1.3	<1	1.4	3.3	1.8	<1	3.3	<1	2.4	1.7	--	<1	<1	<1	<1	<10
	03/25/04	360.34	0.00	0.00	13.17	347.07	19.50	0.29	2.8	--	55	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	13	1.8	<1	<1	2.4	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	4.3	<10
	10/08/04	359.73	0.00	0.00	13.12	346.61	19.45	0.59	4.7	--	57	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	18	1.5	<1	<1	4.1	1.1	<1	<1	<1	<0.5	1.8	--	<1	<1	<1	<1	<10
	01/05/05	359.73	0.00	0.00	11.85	347.88	19.45	0.091	1.5	--	25	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	04/05/05	359.73	0.00	0.00	10.14	349.59	19.45	0.079	0.87	--	26	<1	<1	<1	<1	<1	<0.5	<1	<1	1.3	<1	2.2	<1	<1	<1	<1	2.6	<1	<1	<1	1.9	3.8	--	<1	<1	<1	<1	<10
MW-12	11/01/95	--	--	--	--	--	--	--	--	<2	<0.3	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.3	--	--	--	--	--	<0.4	--	--	--	--	--
	03/25/04	--	0.00	0.00	8.85	--	25.33	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	10/08/04	352.82	0.00	0.00	8.88	343.94	25.22	<0.5	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	01/05/05	352.82	0.00	0.00	8.05	344.77	24.28	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	04/05/05	352.82	0.00	0.00	7.07	345.75	24.24	<0.05	0.88	--	1.7	1.2	<1	<1	<1	<1	<0.5	1.6	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
MW-13	05/01/92	--	--	0.00	--	342.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	--	--	--	11.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	--	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
	04/15/02	--	--	--	--	--	--	<0.5	<0.5	--	<2	--	--	--	--	--	--	--	--	--	--	<2	--	--	--	--	<2	--	--	--	--	--	<4	--	--	--	<5	<50
	04/04/03	--	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	2.8	--	--	--	--	ND	--	--	--	ND	ND	ND	--	--	--	ND	ND
	12/16/03	--	0.00	0.00	11.87	--	30.34	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	03/25/04	--	0.00	0.00	11.31	--	30.33	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	10/07/04	358.72	0.00	0.00	11.44	345.28	30.33	<0.5	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	01/05/05	358.72	0.00	0.00	10.31	346.41	30.21	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	04/05/05	358.72	0.00	0.00	9.12	347.60	30.23	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
MW-14	01/23/98	--	--	--	--	--	--	ND	1.2	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	--
	01/15/98	355.19	--	--	10.10	345.09	--	--	--	--	--	<1	--	<1	--	<1	--	--	<1	--	--	--	--	--	--	--	--	<1	--	--	--	--	--	--	<1	<1	--	--
	04/06/98	355.19	--	--	--	--	--	--	0.41	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	ND	ND	ND	--	--	--	ND	--
	02/06/00	355.19	--	0.00	12.30	342.89	--	ND	1.2	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
	02/01/00	355.19	--	--	12.50	342.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	355.19	--	--	--	--	--	ND	0.9	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
	06/02/01	355.19	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
	04/07/03	355.19	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	ND	ND	ND	--	--	--	ND	ND
	12/17/03	355.15	0.00	0.00	12.29	342.86	30.23	<0.05	1.2	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	03/25/04	355.15	0.00	0.00	12.64	342.51	30.33	<0.05	0.41	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	10/07/04	358.14	0.00	0.00	12.15	345.99	30.21	<0.5	0.82	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	01/05/05	358.14	0.00	0.00	11.20	347.14	30.21	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	04/05/05	358.14	0.00	0.00	9.18	348.96	30.21	<0.05	0.58	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
MW-15	11/27/90	--	--	0.00	15.15	342.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/15/98	358.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/26/98	358.00	--	--	11.50	346.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/05/98	358.00	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	ND	ND	ND	--	--	--	ND	--
	02/04/00	358.00	--	--	14.00	344.00	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
	11/27/00	358.00	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
	04/04/01	358.00	--	--	--	--	--	8.2	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	ND	ND	ND	--	--	--	ND	ND
	12/18/03	358.00	0.00	0.00	13.81	344.19	23.55	<0.01	0.41	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	1.5	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	03/25/04	358.00	0.00	0.00	13.87	344.13	23.55	<0.05	<0.5	--	1.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	2.2	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	10/07/04	360.13	0.00	0.00	13.73	346.40	23.55	<0.5	1.1	--	<0.5	<1	1.5	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	01/05/05	360.13	0.00	0.00	12.57	347.56	23.55	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	04/05/05	360.13	0.00	0.00	10.15	350.17	23.55	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10

TABLE 5A
SUMMARY OF AVAILABLE HISTORICAL GROUNDWATER MONITORING AND ANALYTICAL RESULTS - TPH and VOCs
Former Wright Petroleum Facility
Transcontinental Insurance
23591 El Toro Road, Laguna Hills, California
April 05

Well ID	Sample Date	Wellhead Elevation (AMSL)	Depth to Product (bgs)	Product Thickness (feet)	Depth to Water (bgs)	GW Elevation (AMSL)	Total Depth (bgs)	EPA Method 8015M: TPH-g (mg/l)	TPH-d (mg/l)	TPH non-speciated (mg/l)	EPA Method 8260B or 8015/8020: Benzene (µg/l)	Bromodichloromethane (µg/l)	Bromoform (µg/l)	n-Butylbenzene (µg/l)	sec-Butylbenzene (µg/l)	tert-Butylbenzene (µg/l)	Carbon tetrachloride (µg/l)	Chloroform (µg/l)	Chloromethane (µg/l)	1,2-Dichloroethane (µg/l)	cis-1,2-Dichloroethene (µg/l)	Ethylbenzene (µg/l)	Isopropylbenzene (µg/l)	p-Isopropyltoluene (µg/l)	Naphthalene (µg/l)	n-Propylbenzene (µg/l)	Toluene (µg/l)	Trichloroethene (µg/l)	1,2,4-Trimethylbenzene (µg/l)	1,3,5-Trimethylbenzene (µg/l)	o-Xylene (µg/l)	m,p-Xylenes (µg/l)	Total Xylenes (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	MTBE (µg/l)	TBA (µg/l)
MW-16	11/27/90	--	--	0.00	13.12	345.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	345.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/94	--	--	--	--	--	--	7.3	2.1	--	120	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	34	--	--	--	--	--	150	--	--	--	--	--
	03/01/95	--	--	--	--	--	--	--	--	--	150	--	--	--	--	--	--	--	--	--	--	499	--	--	--	--	1,200	--	--	--	--	--	1,900	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	2.0	<0.3	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	<0.3	--	--	--	--	--	<0.4	--	--	--	--	--
	07/01/96	--	--	--	--	--	--	<500	<0.5	--	0.48	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	0.2	--	--	--	--	--	6.4	--	--	--	--	--
	01/13/98			--	--	--	--	ND	1.3	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	--
	02/18/98	357.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/25/98	357.41	--	--	10.40	347.01	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	1.9	--	--	--	--	--	3.8	--	--	--	<1	--
	04/27/98	357.41	--	--	--	--	--	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	--
	11/11/99	357.41	--	--	11.82	345.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	357.41	--	0.00	12.04	345.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/08/00	357.41	--	--	12.10	345.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	357.41		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/10/01	357.41	--	0.00	12.87	344.54	--	<0.5	<0.5	--	9.8	--	--	--	--	--	--	--	--	--	--	<4	--	--	--	--	<4	--	--	--	--	--	<8	--	--	--	320	<100
	04/27/01	357.41		--	--	--	--	0.2	ND	--	40	--	--	--	--	--	--	--	--	--	--	6.8	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	360	80
	12/18/03	357.41	0.00	0.00	11.41	346.00	27.31	0.29	0.95	--	13	<4	<4	<4	<4	<4	<2	<4	<4	<2	<4	<2	<4	<4	<4	<4	<2	<4	<4	<4	<2	<4	--	<4	<4	<4	300	<40
	05/25/04	357.41	0.00	0.00	11.45	345.96	27.40	0.31	<0.5	--	7.0	<4	<4	<4	<4	<6	<2	<4	<4	<2	<4	<2	<4	<4	<4	<6	<2	<8	<4	<4	<2	<4	--	<4	<4	<4	410	<40
	10/21/04	359.79	0.00	0.00	11.74	348.05	27.31	0.5	<0.5	--	7.4	<5	<5	<5	<5	<5	<2.5	<5	<5	<2.5	<5	<2.5	<5	<5	<5	<5	<2.5	<5	<5	<5	<2.5	<5	--	<5	<5	<5	540	<50
	01/07/05	359.79	0.00	0.00	10.73	349.06	27.31	0.58	<0.5	--	9.9	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	790	<10
	04/26/05	359.79	0.00	0.00	9.29	350.50	27.31	0.081	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	3.8	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<2	--	<1	<1	<1	3.3	<10
MW-17	02/01/94	--	--	--	--	--	--	<500	<0.5	--	<0.2	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.2	--	--	--	--	--	<0.2	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	<500	<0.5	--	<0.2	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.3	--	--	--	--	--	<0.3	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	<0.2	<0.2	--	--	--	--	--	--	--	--	--	--	<0.1	--	--	--	--	<0.2	--	--	--	--	--	<0.4	--	--	--	--	--
MW-18	05/01/92	--	--	0.00	--	345.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/94	--	--	--	--	--	--	<500	<0.5	--	<0.3	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.3	--	--	--	--	--	<0.3	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	<500	<0.5	--	<0.2	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.2	--	--	--	--	--	<0.2	--	--	--	--	--
	03/01/95	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.3	--	--	--	--	--	<0.4	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	<0.2	5.5	--	--	--	--	--	--	--	--	<0.3	--	18	--	--	--	--	<0.3	--	--	--	--	--	5.8	--	--	--	--	--
	02/08/00	354.09	--	--	9.69	344.40	25.22	0.20	0.82	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	31.8	4.9	<1	4.8	12.8	<0.5	<1	22.8	3.1	<0.5	4.8	--	<1	<1	<1	17	<10
	11/27/00	354.09	--	--	--	--	--	0.4	ND	--	ND	--	--	--	--	--	--	--	--	--	--	80	--	--	--	--	34	--	--	--	--	--	ND	--	--	--	ND	ND
	04/04/01	354.09	--	--	--	--	--	0.2	ND	--	ND	--	--	--	--	--	--	--	--	--	--	26	--	--	--	--	ND	--	--	--	ND	2.2	2.8	--	--	--	5.3	ND
	12/18/03	354.09	0.00	0.00	9.39	344.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/25/04	354.09	0.00	0.00	9.03	344.82	25.32	0.21	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	34	8.9	<1	8.8	17	<0.5	<1	29	2.3	<0.5	6.4	--	<1	<1	<1	25	<10
	10/27/04	355.26	0.00	0.00	9.13	346.13	25.33	0.19	<0.5	--	<0.5	<1	<1	<1	<1	1.6	<0.5	<1	<1	<0.5	<1	39	4.5	<1	2.0	18	<0.5	<1	34	3.1	<0.5	2.3	--	<1	<1	<1	57	<10
	01/26/05	355.26	0.00	0.00	8.42	346.84	25.33	0.28	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	23	8.2	<1	4.4	29	<0.5	<1	37	2.6	<0.5	3.9	--	<1	<1	<1	58	<10
	04/26/05	355.26	0.00	0.00	7.19	348.07	25.33	1.3	0.81	--	0.37	<1	<1	1.2	3.8	<1	<0.5	<1	<1	<0.5	<1	96	32	3.4	44	86	<0.5	<1	260	28	<0.5	34	--	<1	<1	<1	81	<10
MW-19	02/01/94	--	--	--	--	--	--	<500	<0.5	--	<0.2	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.2	--	--	--	--	--	<0.2	--	--	--	--	--
	01/13/98	--	--	--	--	--	--	0.1	ND	--	2.5	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	--
	04/27/98	355.33	--	--	--	--	--	0.26	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	--
	11/11/99	355.33	--	--	10.95	344.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/04/00	355.33	--	--	10.80	344.53	--	0.11	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
	02/08/00	355.33	--	0.00	11.45	343.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	355.33	--	--	--	--	--	0.2	ND	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	ND	ND
	04/10/01	355.33	--	0.00	10.81	344.52	--	0.28	<0.5	--	<1	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	<1	--	--	--	6.1	<10
	04/04/01	355.33	--	--	--	--	--	ND	0.1	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--	--	--	ND	ND	ND	--	--	--	21	ND
	05/25/04	355.33	0.00	0.00	10.81	344.52	25.43	0.14	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	47	21
	10/28/04	357.58	0.00	0.00	11.02	346.56	25.24	0.16	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	76	26
	01/26/05	357.58	0.00	0.00	10.07	347.51	25.24	0.37	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	79	34
	04/26/05	357.58	0.00	0.00	8.70	348.88	25.24	0.22	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	65	29
WP-12	12/01/90	--	--	0.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/21/91	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WP-15	12/01/90	--	--	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/01/91	--	--	0.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.32	--	345.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/01/93	--	--	--	--	--	--	--	--	--	8.2	--	--	--	--	--	--	--	--	--	--	<0.1	--	--	--	--	<0.3	--	--	--	--	--	<0.4	--	--	--	--	--
	11/01/93	--	--	--	--	--	--	--	--	8.2	8.2	--	--	--	--	--	--	--	--	--	--	8.3	--	--	--	--	8.2	--	--	--	--	--	8.49	--	--	--	--	--
	01/13/98	--	--	--	--	--	--	8.5	1.5	--	420	--	--	--	--	--	--	--	--	--	--	9.5	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	--	--
	03/25/98	358.58	--	--	10.60	347.98	--	<0.5	<0.05	--	<1	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	3.8	--	--	--	13	--
	11/11/99	358.58	--	--	12.56	346.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/01/00	358.58	--	0.00	12.98	345.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/10/01	358.58	--	0.00	11.01	347.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/26/04	358.58	0.00	0.00	11.60	346.98	48.80	<0.05	NA	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	8.74	<1	<1	<1	<1	2.2	<1	3.3	<1	1.4	4.3	--	<1	<1	<1	<1	<10
	10/25/04	360.79	0.00	0.00	12.19	348.61	48.81	<0.5	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	01/26/05	360.79	0.00	0.00	11.33	349.47	48.81	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
	04/25/05	360.79	0.00	0.00	9.62	351.17	48.81	<0.05	<0.5	--	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	--	<1	<1	<1	<1	<10
WP-20	05/01/92	--	--	0.00	--	344.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WP-21	12/01/90	--	--	2.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/91	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/93	--	--	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	2.0	<0.5	--	32	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	4.0	--	--	--	--	--	43	--	--	--	--	--
	03/01/95	--	--	--	--	--	--	--	--	<2	8.5	--	--	--	--	--	--	--	--	--	--	8.2	--	--	--	--	8.2	--	--	--	--	--	<2.4	--	--	--	--	--
	11/01/95	--	--	--	--	--	--	--	--	6.0	<0.2	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	2.0	--	--	--	--	--	139	--	--	--	--	--
WP-22	05/01/92	--	--	0.00	--	344.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WP-23	05/01/92	--	--	0.00	--	344.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WP-24	05/01/92	--	--	0.00	--	344.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCC-1	11/27/90	--	--	0.00	18.83	344.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.03	--	344.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCC-2	11/27/90	--	--	0.00	18.86	343.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCC-3	11/27/90	--	--	0.00	18.08	345.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	346.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCC-4	11/27/90	--	--	0.00	14.22	341.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	345.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCC-7	11/27/90	--	--	0.00	19.78	343.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCC-8	11/27/90	--	--	0.00	18.75	343.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCC-9	11/27/90	--	--	0.00	22.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/92	--	--	0.00	--	344.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCC-11	05/01/92	--	--	0.00	--	344.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	<500	<0.5	--	<0.3	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.3	--	--	--	--	--	<0.2	--	--	--	--	--
WCC-14	05/01/92	--	--	0.00	--	345.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/01/94	--	--	--	--	--	--	<500	<0.5	--	0.4	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--	--	<0.3	--	--	--	--	--	<0.2	--	--	--	--	--
	03/01/95	--	--	--	--	--	--	--	--	<2	<0.2	--	--	--	--	--	--	--	--	--	--	<0.1	--	--	--	--	<0.3	--	--	--	--	--	<2.4	--	--	--	--	--
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IEA-1	05/01/92	--	--	0.00	--	345.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IEA-2	05/01/92	--	--	0.00	--	348.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AEW-1	05/01/92	--	--	0.00	--	348.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
-- = Not Available
* Samples collected in November 1995 were analyzed for VOCs following EPA Method 601
µg/L = micrograms/liter
AMSL= Above Mean Sea Level
bgs = below surface grade
Depth to water measured in feet from top of casing

DIPE = Di-isopropyl Ether
mg/L = milligrams per liter
MTBE confirmation analysis by EPA Method 8260
TAME = Tert amyl Methyl Ether
TBA = Tert butanol

EarthTech

APPENDIX D

TABLE 2

CURRENT GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
23971 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*TPHd (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*DTW (ft TOC)*	*GWE (ft MSL)*
MW-1	10/01/2012	<50	<480	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	364.87	15.52	349.35
MW-2	10/01/2012	14,000	4,900	5,400	<25	140	350	230	4,300	190	<25	<25	364.39	15.20	349.19
MW-4	10/01/2012	95	<480	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	362.19	12.71	349.48
MW-5	10/01/2012	<50	<480	<0.50	<0.50	<0.50	<1.0	3.3	<10	<0.50	<0.50	<0.50	365.59	16.03	349.56
MW-6	10/01/2012	210	<480	2.6	<0.50	<0.50	<1.0	21	260	18	<0.50	<0.50	364.25	14.82	349.43
MW-7	10/01/2012	130	<480	<0.50	<0.50	<0.50	1.4	6.6	<10	4.2	<0.50	<0.50	363.79	14.70	349.09
MW-8	10/01/2012	<50	<480	<0.50	<0.50	<0.50	<1.0	8.7	<10	<0.50	<0.50	<0.50	365.27	16.43	348.84
MW-9	10/01/2012	210	1,300	<0.50	<0.50	<0.50	<1.0	9.7	99	1.5	<0.50	<0.50	363.29	14.48	348.81
MW-10	10/01/2012	<50	<480	<0.50	<0.50	<0.50	<1.0	1.0	<10	<0.50	<0.50	<0.50	364.41	15.36	349.05
MW-11	10/01/2012	<50	<480	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	363.24	13.79	349.45
MW-12	10/01/2012	90	<480	<0.50	<0.50	<0.50	<1.0	1.3	<10	<0.50	<0.50	<0.50	364.99	16.22	348.77
MW-13	10/01/2012	260	<480	<2.5	<2.5	<2.5	<5.0	340	<50	<2.5	<2.5	<2.5	362.42	13.40	349.02
MW-14	10/01/2012	83	<480	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	362.22	12.77	349.45
MW-15	10/01/2012	<50	<480	<0.50	<0.50	<0.50	<1.0	56	<10	<0.50	<0.50	<0.50	363.29	13.80	349.49
MW-16	10/01/2012	<50	<480	<0.50	<0.50	<0.50	<1.0	11	<10	<0.50	<0.50	<0.50	363.42	14.08	349.34
MW-17	10/01/2012	<500	<480	<5.0	<5.0	<5.0	<10	440	<100	<5.0	<5.0	<5.0	361.59	12.81	348.78

Abbreviations:
TPHg = Total petroleum hydrocarbons as gasoline, analyzed by California Environmental Protection Agency (EPA) Method 8260B
TPHd = Total petroleum hydrocarbons as diesel, analyzed by EPA Method 8015B
BTEX = Benzene, toluene, ethylbenzene, xylenes, analyzed by California EPA Method 8260B
MTBE = Methyl tertiary butyl ether, analyzed by California EPA Method 8260B
TBA = Tertiary-butyl alcohol, analyzed by California EPA Method EPA 8260B
DIPE = Di-isopropyl ether, analyzed by California EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether, analyzed by California EPA Method 8260B
TAME = Tertiary-amyl methyl ether, analyzed by California EPA Method 8260B
TOC = Top of casing
DTW = Depth to water
GWE = Groundwater elevation
µg/L = Micrograms per liter
ft MSL = Feet above mean sea level
ft TOC = Feet below TOC
<n = Below detection limit

Appendix H

Photo Log

1. Macy's Department Store at 24100 Laguna Hills Mall.

2. Mall entrance – various mall shops addressed 24155 Laguna Hills Mall.

3. Former 2-level food court, former location of Buffums Department Store.

4. JC Penney Department Store at 24200 Laguna Hills Mall.

5. Sears Department Store at 24300 Laguna Hills Mall.

6. Sears Parts and Service building at 24300 Laguna Hills Mall.

7. Total Woman Gym/Spa and Nordstrom's Rack at 23541 Calle De La Louisa.

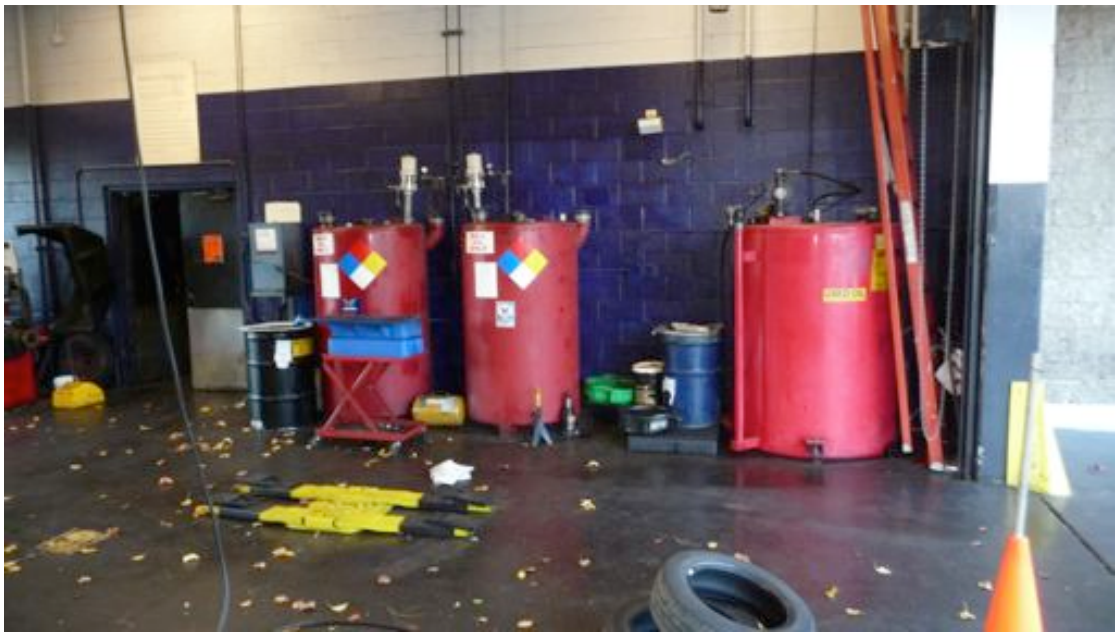
8. BJ's Brewhouse Restaurant at 24032 El Toro Road.

9. Kings Fish House/In-N-Out Building at 24001 Avenida De La Carlota.

10. Just Tires at 24099 Laguna Hills Mall.

11. Firestone Complete Auto Care Center at 24196 Laguna Hills Mall.

12. Sears Auto Center at 24300 Laguna Hills Mall.



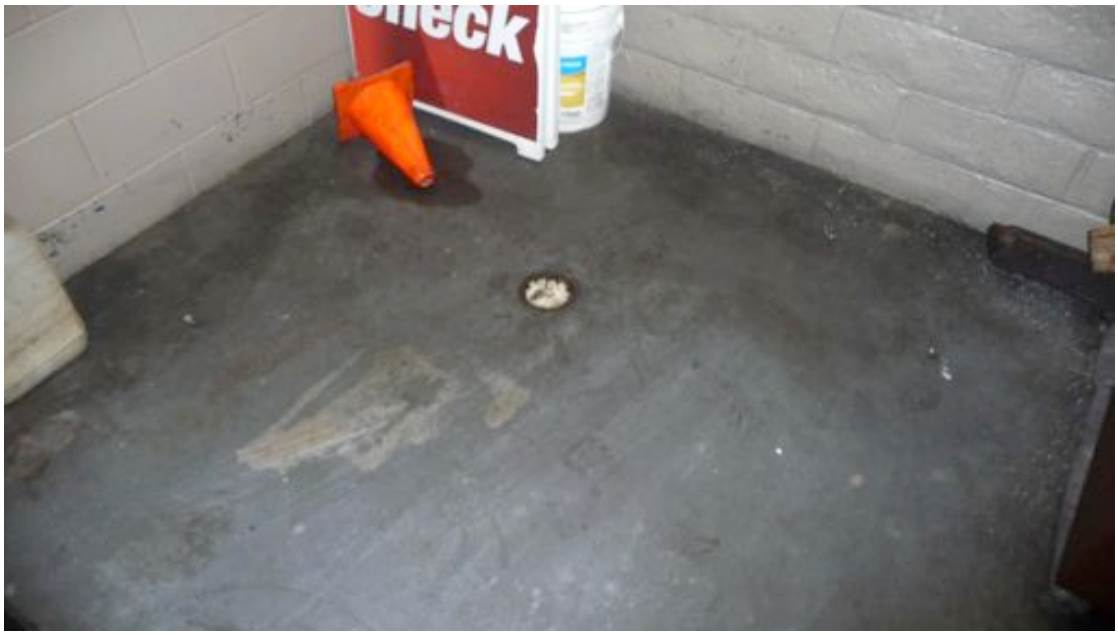
13. Oil and Used Oil ASTs at Sears Auto Center (typical).

14. Oil and antifreeze drum storage at Sears Auto Center (typical).

15. Evidence of former in-ground lift beneath aboveground lift at Firestone.

16. In-use in-ground lift at Sears Auto Center.

17. In-ground lift with evidence of retrofit at Just Tires.



18. Suspected former used oil fill port at south side of Firestone shop.

19. Suspected former used oil UST location at south side of Firestone shop.

20. Clarifier associated with Just Tires.

21. Oil/Water Separator associated with Sears Auto Center.

22. One of two clarifiers associated with refuse and cardboard compactors west of Firestone.

23. Oil/Water Separator associated with Firestone Complete Auto Care Center.

24. Emergency generator with integral dual-walled diesel fuel AST (no staining).

25. Refuse dumpsters and cardboard bailer with aboveground hydraulics (typical).

26. Aboveground waste grease ASTs (typical) associated with food court restaurants.

27. Pad-mounted, fluid-filled, SCE-owned transformers (typical).

28. View of Sears depressed loading dock, showing groundwater infiltration.

29. Unocal gasoline station adjacent to BJ's Brewhouse.

30. Shell gasoline station adjacent to the north of the Subject Property.

31. OCTA Laguna Hills Transportation Center adjacent to the south of the Subject Property.

Appendix I

GeoTracker Database Files

Property Address:

24155 Laguna Hills Mall, Laguna Hills, CA 92653

GEOTRACKER

LAYERS

- ☒ SIGNIFIES A CLOSED SITE
- ☑ Leaking Underground Tank (LUST) Cleanup Sites
- ☑ Other Cleanup Sites
- ☑ Land Disposal Sites
- ☑ Military Sites
- ☑ WDR Sites
- ☐ Permitted Underground Storage Tank (UST) Facilities
- ☑ Monitoring Wells*
- ☐ DTSC Cleanup Sites
- ☐ DTSC Haz Waste Permit

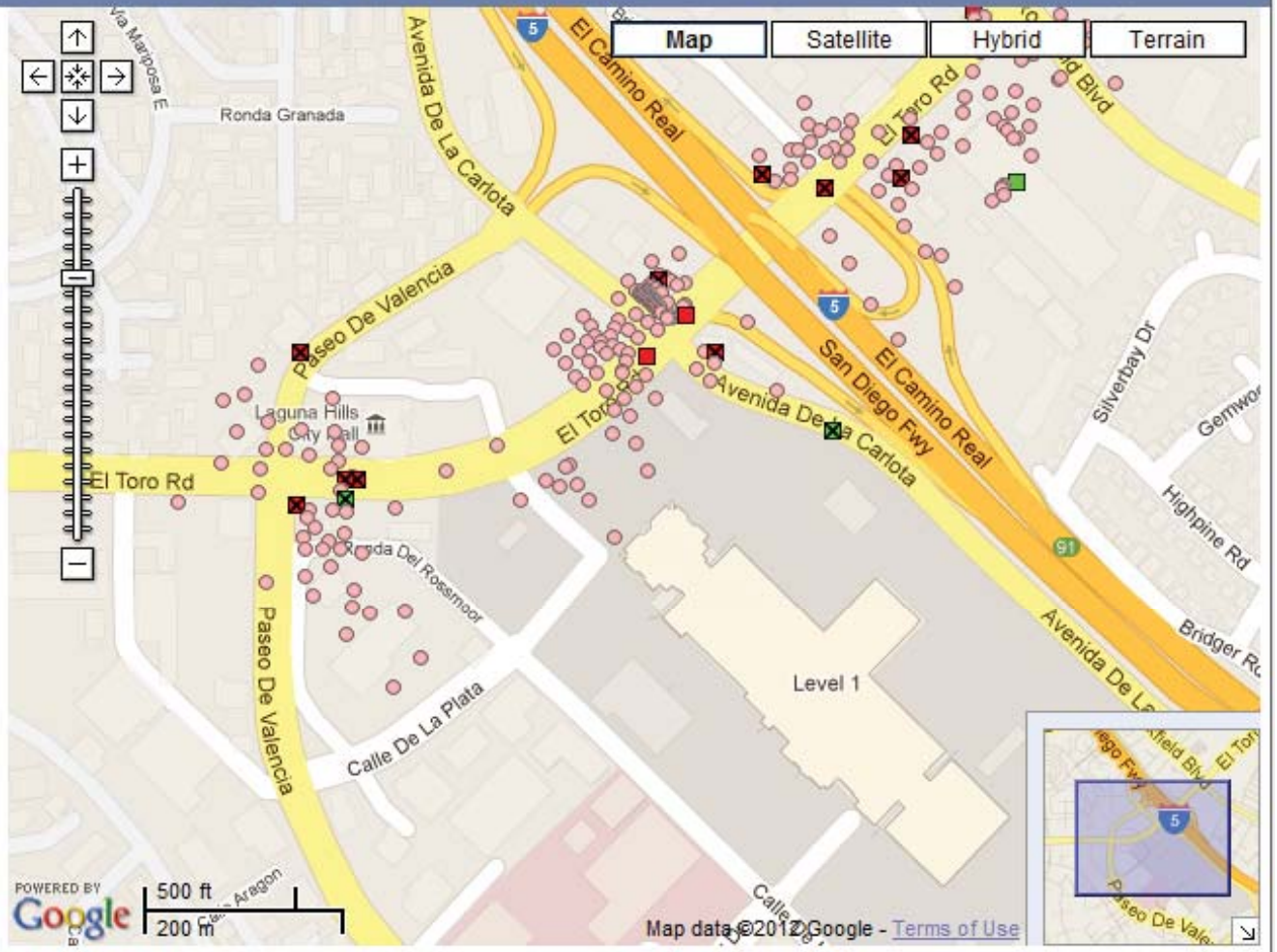
MAP SIZE

640x480

OPTIONS

☑ Site List - EXPORT TO EXCEL

17 Sites



☐ SHOW SITES WITHIN 1000 FEET OF THE FOLLOWING ADDRESS: 24155 Laguna Hills Mall, Laguna Hills, CA Go

SITE LIST

CHEVRON	T0605900087	COMPLETED - CASE CLOSED	24081 EL TORO	LAGUNA HILLS
CHEVRON SERVICE STATION #9-0141	T0605901255	COMPLETED - CASE CLOSED	23891 BRIDGER	LAKE FOREST
EXXON	T0605900965	COMPLETED - CASE CLOSED	23852 EL TORO	LAKE FOREST
HOME FEDERAL SAVINGS AND LOAN	T0605900630	COMPLETED - CASE CLOSED	23941 AVENEDA DE LA CARLOTA	LAGUNA HILLS
MOBIL #18-378	T0605902221	OPEN - SITE ASSESSMENT	23771 EL TORO	LAKE FOREST
ORANGE COUNTY FIRE STATION #22	T0605901687	COMPLETED - CASE CLOSED	24001 PASEO DE VALENCIA	LAGUNA HILLS
SHELL #23971	T0605900287	OPEN - ELIGIBLE FOR CLOSURE	23971 EL TORO RD	LAGUNA HILLS
SHELL OIL	T0605914410	COMPLETED - CASE CLOSED	23971 EL TORO	LAGUNA HILLS
SHELL OIL	T0605902278	COMPLETED - CASE CLOSED	23842 EL TORO	LAKE FOREST
THE SHOPS AT LAKE FOREST SHOPPING CENTER	SL208213876	OPEN - SITE ASSESSMENT	24312-24422 ROCKFIELD BOULEVARD	LAKE FOREST
UNOCAL	T0605901215	COMPLETED - CASE CLOSED	24082 EL TORO	LAGUNA HILLS
USA PETROLEUM #825	T0605936712	COMPLETED - CASE CLOSED	23852 EL TORO	LAKE FOREST
VALENCIA SHOPPING CENTER	SLT8R2344011	COMPLETED - CASE CLOSED	24191 PASEO DE VALENCIA	LAGUNA HILLS
WRIGHT PETROLEUM (AKA G&M OIL COMPANY STATION #40)	T0605900466	OPEN - REMEDIATION	23991 EL TORO RD	LAGUNA HILLS

http://geotracker.waterboards.ca.gov/map/?CMD=runreport&myaddress=24155+

GeoTracker

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Page Safety Tools

LINK TO THIS MAP

GEOTRACKER

LAYERS

- ☒ SIGNIFIES A CLOSED SITE
- ☑ Leaking Underground Tank (LUST) Cleanup Sites
- ☑ Other Cleanup Sites
- ☑ Land Disposal Sites
- ☑ Military Sites
- ☑ WDR Sites
- ☐ Permitted Underground Storage Tank (UST) Facilities
- ☑ Monitoring Wells*

* ZOOM IN TO SEE MWS

- ☐ DTSC Cleanup Sites
- ☐ DTSC Haz Waste Permit

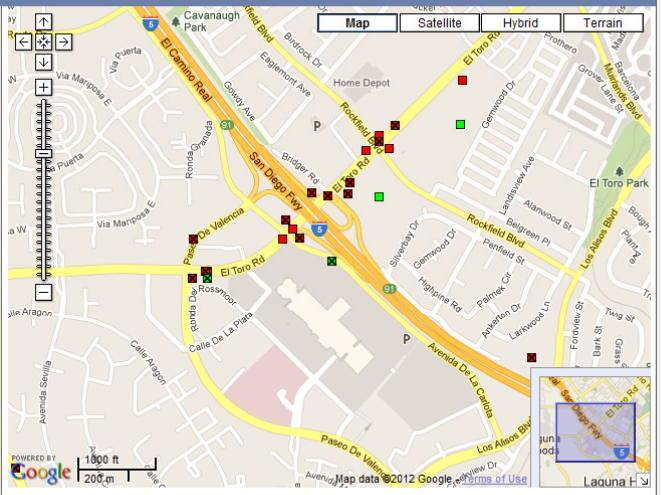
MAP SIZE

640x480

OPTIONS

☑ Site List - EXPORT TO EXCEL

26 Sites



☐ SHOW SITES WITHIN 1000 FEET OF THE FOLLOWING ADDRESS: 24155 Laguna Hills Mall, Laguna Hills, CA Go

SITE LIST

SITE NAME	GLOBAL ID	CLEANUP STATUS	ADDRESS	CITY
AMERICAN SAVINGS BANK	T0605901761	COMPLETED - CASE CLOSED	24085 EL TORO	LAGUNA WOODS
ARCO #3013	T0605901431	OPEN - VERIFICATION MONITORING	23742 EL TORO	LAKE FOREST
ARCO #3079	T0605902581	COMPLETED - CASE CLOSED	24012 AVENIDA DE LA CARLOTA	LAGUNA HILLS
BEACON BAY AUTO WASH #06	T0605902112	OPEN - REMEDIATION	23602 EL TORO	LAKE FOREST
CHEVERON USA	T0605906266	COMPLETED - CASE CLOSED	23891 BRIDGER	LAKE FOREST
CHEVRON	T0605900087	COMPLETED - CASE CLOSED	24081 EL TORO	LAGUNA HILLS
CHEVRON SERVICE STATION #9-0141	T0605901255	COMPLETED - CASE CLOSED	23891 BRIDGER	LAKE FOREST
EL TORO WATER DISTRICT	T0605902394	COMPLETED - CASE CLOSED	24251 LOS ALISOS	LAKE FOREST
EXXON	T0605900965	COMPLETED - CASE CLOSED	23852 EL TORO	LAKE FOREST
HOME FEDERAL SAVINGS AND LOAN	T0605900630	COMPLETED - CASE CLOSED	23941 AVENEDA DE LA CARLOTA	LAGUNA HILLS
LEISURE WORLD	T0605900034	COMPLETED - CASE CLOSED	24401 MOULTON	LAGUNA HILLS

MAP AN ADDRESS: Go!

9:17 AM
12/31/2012