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Jennifer C. Sedlachek
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RECEIVED
By Alameda County Environmental Health at 2:33 pm, Sep 04, 2013

ExxonMobil

August 28, 2013

Ms. Barbara Jakub, P.G.
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

RE: Former Exxon RAS #70235/2225 Telegraph Avenue, Oakland California.

Dear Ms. Jakub:

Attached for your review and comment is a copy of the letter report entitled ***Well Installation Report and Work Plan,*** dated August 28, 2013, for the above-referenced site. The report was prepared by Cardno ERI of Petaluma, California, and details activities at the subject site.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

Jennifer C. Sedlachek
Project Manager

Attachment: Cardno ERI's ***Well Installation Report and Work Plan,*** dated August 28, 2013

cc: w/ attachment
Mr. Shay Wideman, The Valero Companies, Environmental Liability Management

w/o attachment
Ms. Rebekah A. Westrup, Cardno ERI

Cardno ERI
Shaping the Future

August 28, 2013
Cardno ERI 2229C.R27

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Ms. Jennifer C. Sedlachek
ExxonMobil Environmental Services Company
4096 Piedmont Avenue #194
Oakland, California 94611

SUBJECT **Well Installation Report and Work Plan for Feasibility Testing**
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Alameda County Department of Environmental Health RO No. 358

Ms. Sedlachek:

At the request of ExxonMobil Environmental Services (EMES), on behalf of Exxon Mobil Corporation, Cardno ERI installed four groundwater monitoring wells in the vicinity of well MW6B to further evaluate the distribution of hydrocarbon concentrations, re-evaluated remedial alternatives for the site, and evaluated the benzene concentrations reported in well MW6B. The work was performed in accordance with the Response to Comments and Work Plan for Additional Site Assessment (Work Plan), dated January 21, 2013 (Cardno ERI, 2013), which was approved by the Alameda County Department of Environmental Health (the County), in a letter dated April 30, 2013 (Appendix A). An extension for submittal of this report was granted by the County in an electronic correspondence dated July 11, 2013 (Appendix A).

Based on the results of the investigation, Cardno ERI recommends using the newly-installed wells to conduct additional feasibility testing prior to submitting a revised feasibility study/corrective action plan (FS/CAP) and cost evaluation to assess whether DPE and/or AS/DPE will reduce petroleum hydrocarbons in soil and groundwater in the vicinity of wells MW6B and MW6H.

SITE DESCRIPTION

The site (Assessor's Parcel Number 8-659-2-1) is located on the eastern corner of Telegraph Avenue and West Grand Avenue, Oakland, California, as shown in the Site Vicinity Map (Plate 1). The site is an active retail gasoline service station. Texaco Refining and Marketing, Incorporated operated the station from 1963 until 1988 when the site property was transferred to Exxon Company, U.S.A. (EA, 1992). The site was sold to Valero Refining Company (Valero) in 2000. In 2001, Valero sold the site to Mr. Lam Truong, who currently owns and operates the Valero-branded station and dispenses three grades of gasoline and diesel. The locations of the USTs, dispenser islands, groundwater monitoring wells, and select site features are shown on the Generalized Site Plan (Plate 2).

GEOLOGY AND HYDROGEOLOGY

The site lies at an approximate elevation of 20 feet above msl, and the local topography slopes toward the southwest. The site is located along the eastern margin of the San Francisco Bay within the East Bay Plain (Hickenbottom and Muir, 1988). The surficial deposits in the site vicinity are mapped as Merritt Sand consisting of fine-grained, very well sorted, well-drained eolian deposits of the Pleistocene and Holocene age (Graymer, 2000). The active northwest trending Hayward fault is located approximately 3½ miles east of the site.

The East Bay Plain is regionally divided into two major groundwater basins: the San Pablo Basin and the San Francisco Basin. These basins are tectonic depressions that are filled primarily with a sequence of coalescing alluvial fans. The San Francisco Basin is further divided into seven sub-areas. The site is located in the Oakland Sub-Area, which is filled primarily by alluvial deposits that range from 300 to 700 feet thick without well-defined aquitards (CRWQCB, 1999). Under natural conditions, the direction of groundwater flow in the East Bay Plain is east to west towards San Francisco Bay and correlates with topography.

Based on a review of CPT logs and historical boring logs for groundwater monitoring wells, remediation wells, and soil borings, the site is underlain by low permeability clay and silt units extending approximately 10 to 12 feet bgs. Underlying this unit is a sand unit extending to approximately 18 feet bgs. Silts and clay, with lenses of sand (up to 1 foot thick), extend beneath the sand unit to approximately 30 feet bgs, the maximum depth drilled. The lithology, as interpreted from the CPT borings (CPT1 through CPT3), shows mostly clay and sandy/clayey silts, with interbedded lenses of silty sand, from 30 to 50 feet bgs, the maximum depth explored.

The depth to first encountered groundwater beneath the site has varied over time and has ranged from approximately 9 to 15 feet bgs. Currently, groundwater is encountered at depths ranging from approximately 11 to 13 feet bgs. Groundwater monitoring data indicate that the groundwater flow direction is predominantly

towards the southeast. The groundwater flow direction was towards the southeast with a hydraulic gradient of 0.011 during the most recent monitoring event in March 2013. A groundwater elevation map for the March 2013 sampling event is included as Plate 3. Groundwater monitoring data is summarized in Table 1A.

In 2008, three CPT soundings were advanced to 50 feet bgs at the site. Up to three water-bearing zones were identified on the CPT logs: 12 to 18 feet bgs, 29 to 30 feet bgs, and between 36 to 42 feet bgs. The second water-bearing zone produced very little water: only 40 milliliter VOAs were able to be collected from one of the borings (ERI, 2008).

PREVIOUS WORK

Cumulative groundwater monitoring and sampling data are summarized in Tables 1A through 1C. Well construction details are summarized in Table 2. Cumulative soil analytical results are summarized in Tables 3A through 3C.

Fueling System Activities

The site currently dispenses regular, plus, and premium unleaded gasoline and diesel. The locations of the USTs, dispenser islands, and other select site features are shown on the Generalized Site Plan (Plate 2).

In November 1991 three single-walled USTs and their associated piping were removed and replaced with double-walled fiberglass tanks and piping. The existing UST cavity was enlarged to accommodate the new USTs (EA, 1992).

Site Assessment Activities

Multiple phases of assessment have been conducted since 1988, including the advancement of seven soil-gas probes and 22 soil borings; the installation of two vapor extraction wells, four recovery wells, and 10 groundwater monitoring wells (Alton, 1991; ERI, 2000, 2001a, 2002, 2007; HLA, 1988, 1989, 1990, 1992); and the destruction of wells MW6A and RW3 in conjunction with assessment activities (ERI, 2002; HLA, 1992).

Assessment results indicate that maximum residual adsorbed-phase TPHg (11,000 mg/kg) and benzene (200 mg/kg) concentrations are primarily present in the soils from surface to 13.5 feet bgs around the northern dispenser islands and the northeastern portion of the site. Maximum residual MTBE (0.016 mg/kg) was reported in soil samples collected from boring B9 (ERI), located along the eastern edge of the site.

Remediation Activities

In November and December 1991, the product USTs were removed and the former tank pit was enlarged to accommodate the new product USTs; an area approximately 45 by 33 feet to 13.5 feet bgs was excavated. Concentrations of TPHg up to 10,000 mg/kg (TG2, 13 feet bgs) and benzene up to 130 mg/kg (TG2, 13 feet bgs) were reported in soil samples collected from the base of the excavation. Concentrations of TPHg up to 660 mg/kg (TG12, 12 feet bgs) and benzene up to 4.3 mg/kg (TG12, 12 feet bgs) were reported in the sidewall soil samples of the enlarged cavity (EA, 1992).

A groundwater remediation system extracted, treated, and discharged approximately 307,000 gallons of groundwater between fourth quarter 1990 and first quarter 1992 (HLA, 1992). By November 15, 1993, approximately 583,679 gallons of groundwater had been extracted (Texaco, 1994).

On September 11, 2001, ERI conducted a DPE feasibility test. A total of 9,000 gallons of groundwater was extracted and treated during the nine-day DPE test. The average extraction rate for the test was approximately 1 gpm. Approximately 187.5 pounds of TPHg and 2.36 pounds of MTBE were removed through SVE during the DPE feasibility test. A total of 0.329 pound of TPHg and 0.0374 pound of MTBE were removed by groundwater extraction during the DPE test. The results of the DPE test indicated that DPE is a feasible remedial alternative for the site (ERI, 2001b).

Cardno ERI prepared a *Feasibility Study/Corrective Action Plan*, dated April 11, 2012, outlining remedial alternatives at the subject site. Cardno ERI concluded that the current land use at the site (active gasoline service station) limited the remedial alternatives available for implementation and that excavation, groundwater pump and treat, SVE, and chemical oxidation were not currently viable alternatives for remediation. Cardno ERI concluded that DPE was a feasible remediation technology for the site (Cardno ERI, 2012).

Groundwater Monitoring Activities

Groundwater monitoring was implemented at the site in 1988. Measurable NAPL was measured in well MW6D in July 1988, and hydrocarbon sheen was observed in well RW2 in April 1999. Dissolved-phase TPHg, benzene, and MTBE extend from the northeastern portion of the site to the public right-of-way off site towards the southeast. Maximum concentrations have been reported in samples collected from wells RW1 and MW6H and boring B9. Petroleum concentrations reported in samples collected from wells MW6E, MW6F, and MW6I have declined to near or below laboratory reporting limits. Since March 2009, concentrations of TPHg and benzene have increased by up to two and four orders of magnitude, respectively, in well MW6B, located downgradient from the northern dispenser islands.

FIELD ACTIVITIES

Cardno ERI installed four groundwater monitoring wells (MW6Ka, MW6Kb, MW6La, and MW6Lb) in the vicinity of well MW6B to further evaluate the distribution of hydrocarbon concentrations. Cardno ERI performed the fieldwork in accordance with the Work Plan, Cardno ERI's standard field protocol (Appendix B), a site-specific health and safety plan, and applicable regulatory guidelines under the advisement of a professional geologist.

Pre-Drilling Activities

Prior to field activities, Cardno ERI obtained well installation permits from the Alameda County Public Works Agency (Appendix C), notified Underground Service Alert, and contracted a private utility-locating company to locate underground utilities at the site. On June 11, 2013, Cardno ERI observed Woodward Drilling, Company (Woodward) clear locations for monitoring wells MW6Ka, MW6Kb, MW6La, and MW6Lb to a depth of 8 feet bgs, using hand tools.

Groundwater Monitoring Well Installation

On June 12 and 13, 2013, Cardno ERI observed Woodward install wells MW6Ka, MW6Kb, MW6La, and MW6Lb. Select soil samples were preserved for laboratory analysis. Wells MW6Ka and MW6La were completed as 4-inch schedule 40 PVC wells with 2 feet of 0.020 inch slotted screens from 11 to 13 feet bgs. Wells MW6Kb and MW6Lb were completed as 2-inch schedule 40 PVC wells with 0.020 screens from 16 to 19 and 16 to 18 feet bgs, respectively. Well construction details are presented on the boring logs in Appendix D and in Table 2.

Well Development

On June 17, 2013, Cardno ERI developed wells MW6Kb and MW6Lb. Wells MW6La and MW6Ka purged dry and did not recharge. Well development records are included in Appendix E.

Groundwater Sampling

On June 21, 2013, wells MW6Kb and MW6Lb were purged and sampled in accordance with the field protocol included in Appendix B. There were less than 6 inches of water in well MW6Ka. Well MW6La was dry. Groundwater monitoring and sampling field notes are included in Appendix E.

Laboratory Analyses

Cardno ERI submitted groundwater and soil samples for analysis to a state-certified laboratory for the analyses listed in Tables 1A through 1C and 3A through 3C, respectively, using the methods listed in the respective tables. Laboratory analytical reports and COC records are provided in Appendix F.

Site Survey

On June 21, 2013, Cardno ERI observed Morrow Surveying survey the locations and elevations of the newly-installed wells. Survey data is included in Appendix G.

Waste Management

The decontamination rinsate water and drill cuttings were temporarily stored on site in DOT-approved, sealed 55-gallon drums. Upon characterization of the waste, the six drums containing soil were transported to Soil Safe in Adelanto, California, an EMES-approved disposal facility, on July 9, 2013. Two drums of rinsate generated during drilling (80 gallons), 42 gallons of purge and decon water generated during well development, and 30 gallons of purge and decon water generated during groundwater sampling were transported to InStrat, Inc., of Rio Vista, California, for recycling, on July 3, 2013. Disposal documentation is included in Appendix H.

RESULTS OF INVESTIGATION

Site Geology

Sediments observed during the advancement of wells MW6Ka, MW6Kb, MW6La, and MW6Lb consist largely of clay and sand to 20 feet bgs, the maximum depth explored. In borings MW6Ka and MW6Kb, sand was encountered from 9.5 to 13 feet bgs, whereas in in borings MW6La and MW6Lb clay was encountered in this interval. In borings MW6Kb and MW6Lb, sand was encountered from 13 to 18.5 feet bgs and from 14 to 17.5 feet bgs, respectively. Groundwater was encountered at approximately 13 and 15 feet bgs in borings MW6Kb and MW6Lb, respectively. Boring logs are included in Appendix D.

Hydrocarbons in Groundwater

Concentrations of TPHd, TPHg, BTEX, and MTBE were reported in the groundwater samples collected from wells MW6Kb and MW6Lb following well installation and development. Wells MW6Ka and MW6La were not sampled; there was insufficient water in well MW6Ka and well MW6La was dry. Groundwater results are summarized in Tables 1A through 1C. Select groundwater results from the most recent monitoring and

sampling event on March 11, 2013, and the current assessment activities on June 21, 2013, are illustrated on Plate 4.

Hydrocarbons in Soil

Concentrations of TPHd, TPHg, BTEX, and MTBE were reported in soil samples collected during this investigation. Maximum concentrations of TPHd (670 mg/kg), TPHg (2,300 mg/kg), and benzene (6.9 mg/kg) were encountered at 15 feet bgs in boring MW6Kb. Additionally, naphthalene was reported in two samples collected from boring MW6Ka at concentrations of 0.18 mg/kg (9 feet bgs) and 0.69 mg/kg (4 feet bgs) and 2-methylnaphthalene was reported in one sample collected from boring MW6Ka at 0.55 mg/kg (4 feet bgs). Soil results are summarized in Tables 3A through 3C and illustrated on Plate 5.

EVALUATION OF SOIL RESULTS WITH SOIL SCREENING LEVELS

The results of this investigation were compared to the State Water Resources Control Board's concentrations in soil for evaluation of direct contact and outdoor air exposure (SWRCB, 2012).

Concentrations in Soil That Will Not Have a Significant Risk of Adversely Affecting Human Health

Chemical	Residential		Commercial/Industrial		Utility Worker
	0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) (mg/kg)	0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) (mg/kg)	0 to 10feet bgs (mg/kg)
Benzene	1.9	2.8	8.2	12	14
Ethylbenzene	21	32	89	134	314
Naphthalene	9.7	9.7	45	45	219
PAH	0.063	NA	0.68	NA	4.5

Four soil samples were collected in the interval 0 to 5 feet bgs and five soil samples were collected between 5 and 10 feet bgs. Maximum concentrations reported in the soil samples are listed in the following table.

Maximum Concentrations in Soil

Depth (feet)	Benzene (mg/kg)	Ethylbenzene (mg/kg)	Naphthalene (mg/kg)	PAH (mg/kg)
0 to 5	0.014 (MW6Lb, 2 feet bgs)	0.22 (MW6Ka, 4 feet bgs)	0.69 (MW6Ka, 4 feet bgs)	ND
5 to 10	0.065 (MW6La, 9 feet bgs)	0.034 (MW6Ka, 9 feet bgs)	0.18 (MW6Ka, 9 feet bgs)	ND

Note: ND = Not detected above the laboratory reporting limit.

Based on these results, Cardno ERI concludes that the current residual concentrations are low-risk for adversely affecting human health with respect to shallow soil. In addition, since the site is paved, direct exposure (via ingestion or dermal contact) to chemicals of concern released during Exxon's operations is not likely. If the pavement is removed sometime in the future by a construction worker, potential exposure via dermal contact or ingestion with soil may occur; however, current concentrations are below soil screening levels for utility workers.

EVALUATION OF BENZENE CONCENTRATIONS IN WELL MW6B

Well MW6B is screened from 9 to 19 feet bgs. Soil samples were not collected during the installation of well MW6B in 1988 (HLA, 1988). Residual concentrations were reported in nearby Alton boring B1 at 10.5 feet bgs (TPHg at 10,000 mg/kg and benzene at 81 mg/kg). Cardno ERI believed that the dissolved-phase benzene concentrations in well MW6B were attributable to concentrations similar to the ones observed in Alton boring B1 and that the distribution of residual concentrations and fluctuations in dissolved-phase concentrations in well MW6B indicated that the remaining secondary source was primarily present at approximately 12 feet bgs in the fine-grained material and that the dissolved-phase concentration trends in well MW6B were the result of changing water levels.

Maximum TPHg and benzene concentrations were reported in soil samples collected at 15 feet bgs during the current investigation. Although this depth is deeper than maximum concentrations reported in Alton boring B1, the concentrations are also up to one order of magnitude less than were previously reported in Alton boring B1. To assess whether residual hydrocarbons present in the shallow fine-grained sediments were responsible for the benzene concentrations observed in well MW6B, Cardno ERI installed shallow wells MW6Ka and MW6La, screened across the interval of the current water table, between 11 and 13 feet bgs. These wells were dry, indicating that the water-bearing zone is confined or semi-confined and that residual hydrocarbons in this interval may not be contributing to the concentrations observed in groundwater under normal conditions. Although the initial benzene concentrations reported in deeper wells MW6Kb and MW6Lb were one order of magnitude lower than in well MW6B, the TPHg concentrations were comparable. Future groundwater monitoring and sampling results will be used to further evaluate the data.

CONCLUSIONS AND RECOMMENDATIONS

Residual hydrocarbon concentrations reported during this investigation are lower by almost an order of magnitude when compared to results reported from borings advanced in the vicinity approximately 20 to 25 years ago. Maximum residual hydrocarbon concentrations were currently reported at approximately 15 feet bgs. Residual concentrations attenuate with depth and are adequately delineated at approximately 19.5 feet bgs.

Based on the results of the current investigation, Cardno ERI concludes that:

- Groundwater is confined or semi-confined.
- Benzene concentrations in well MW6B are likely not entering groundwater in the upper portion of the screened interval.
- Benzene concentrations in well MW6B are from a submerged residual source leaching into groundwater.
- Residual concentrations have decreased by approximately one order of magnitude compared with historical data.

Cardno ERI recommends adding the newly-installed wells to the groundwater sampling program and using the newly-installed wells and select existing wells to conduct additional feasibility testing to assess whether AS/DPE remedial technology will reduce petroleum hydrocarbons in soil and groundwater in the vicinity of wells MW6B and MW6H, prior to submitting a revised FS/CAP and cost evaluation. In 2001, ERI performed DPE feasibility testing at the subject site and concluded that DPE was an effective method for source removal at the subject site (ERI, 2001b). Wells RW1 and RW2 were used as extraction wells during the 2001 test. Wells RW1 and RW2 are screened from 9.5 to 24.5 feet bgs and may not have effectively targeted the source test area. The cumulative site data indicates that wells with shorter screened intervals may be more effective for remediation.

PROPOSED WORK

Site data indicates that remaining residual and dissolved-phase petroleum hydrocarbons are located in the northeast corner of the site in the vicinity of the USTs and dispenser islands. Cardno ERI proposes to conduct a series of feasibility tests to assess the effectiveness of AS/DPE at reducing hydrocarbon concentrations in the subsurface. Cardno ERI proposes to use wells MW6B, MW6H, MWKa, MWKb, MWLa, MWLb as extraction wells and wells MW6Kb and MW6Lb as AS wells. Wells MW6La and MW6Kb may be dry and the extraction may amount to high-vacuum SVE. For the sake of simplicity, all extraction is referred to as DPE. The varying screened intervals (Table 2) will be beneficial to further evaluate the source area.

At a minimum, Cardno ERI will perform six two-hour DPE tests and one 24-hour AS/ DPE test. Tests may be extended if conditions appear favorable.

Feasibility Testing

The fieldwork will be conducted under the advisement of a professional geologist and in accordance with applicable regulatory guidelines.

Equipment Setup

As part of equipment setup activities, Cardno ERI will mobilize a trailer-mounted remediation system containing an LRP vacuum blower for high-vacuum extraction and an oil-less air compressor to inject ambient air for AS. Extracted vapors will be treated in accordance with applicable regulations and discharged to the atmosphere. Groundwater extracted during the test will be stored in a holding tank and transported to an EMES-approved facility for recycling. Instrumentation will be used to monitor the performance of the system as well as the effects on nearby wells. Instrumentation will include Magnehelic® gauges to measure changes in wellhead pressures, an anemometer and/or rotometer to measure vapor flow, a water level indicator to measure DTW, a down-well meter to measure DO, and a PID to measure VOC concentrations in vapor streams.

Dual-Phase Extraction Tests

To evaluate DPE as a remedial technology and obtain site-specific engineering data, six minimum two-hour DPE tests will be performed. The tests will be performed using wells MW6B, MW6H, MW6Ka, MW6Kb, MW6La, and MW6Lb individually as extraction wells. The tests will be conducted to assess the radius of influence of subsurface vacuum, extracted subsurface airflow rates, extracted hydrocarbon vapor concentrations, groundwater extraction rates, and groundwater capture zone.

Vacuum will be applied to each well individually for a minimum of two hours. Vacuum will be measured in surrounding wells MW6G, MW6Ka, MW6La, RW1, and RW3A and MW6B or MW6H (whichever is not the extraction well) during the test. Groundwater levels will be monitored in wells MW6G, MW6Kb, MW6Lb, RW1, and RW3A and MW6B or MW6H (whichever is not the extraction well).

Vapor samples will be collected at the start and conclusion of each test.

Air Sparge/Dual-Phase Extraction Tests

One 24-hour combined AS/DPE test will be performed to evaluate hydrocarbon concentrations extracted and air flow rates during operation of the AS wells. The test will be performed using wells MW6Kb and MW6Lb as the AS wells and wells MW6B, MW6H, MW6Ka, and MW6La as the extraction wells. The extraction wells will be operated prior to sparging for a minimum of two hours prior to establish concentrations trends.

Vapor samples will be collected at the start and end of the vapor extraction portion of the test as well as the combined AS/DPE portion, and then approximately every 8 hours for the duration of testing.

Vacuum or pressure will be measured in surrounding wells MW6G, RW1, and RW3A during the test. Groundwater levels and DO will be monitored in wells MW6G, RW1, and RW3A.

Groundwater samples will be collected from each extraction well following the testing (if wells are not dry). If it has been over three months since the last groundwater sampling event, groundwater samples will be collected from each extraction well prior to the feasibility testing (if the wells are not dry).

Laboratory Analyses

Groundwater and vapor samples will be submitted for analysis to an EMES-approved, state-certified analytical laboratory. The samples will be analyzed for TPHg by EPA Method 8015B or TO-3 and BTEX, fuel oxygenates (MTBE, DIPE, ETBE, TAME, TBA), and lead scavengers (1,2-DCA and EDB) by EPA Method 8260B or TO-15.

Waste Management

The water generated during feasibility activities will be temporarily stored on site and transported to InStrat, Inc., of Rio Vista, California, for recycling. Waste documentation will be included in the report.

Safety Plan

Fieldwork will be performed in accordance with the site-specific safety plan.

Schedule

Cardno ERI anticipates implementation of the previously-described scope of work following approval of this work plan and the required notifications.

Reporting

After completion of the proposed feasibility testing, a report summarizing field and laboratory results will be submitted to EMES and to the County. The report will contain conclusions and recommendations and be signed by a State of California professional geologist.

CONTACT INFORMATION

The responsible party contact is Ms. Jennifer C. Sedlachek, ExxonMobil Environmental Services Company, 4096 Piedmont Avenue #194, Oakland, California, 94611. The consultant contact is Ms. Rebekah A. Westrup, Cardno ERI, 601 N. McDowell Boulevard, Petaluma, California, 94954. The agency contact is Ms. Barbara Jakub, Alameda County Environmental Health Department, 1131 Harbor Bay Parkway, Suite 250, Alameda, California, 94502.

LIMITATIONS

For documents cited that were not generated by Cardno ERI, the data taken from those documents is used "as is" and is assumed to be accurate. Cardno ERI does not guarantee the accuracy of this data and makes no warranties for the referenced work performed nor the inferences or conclusions stated in these documents.

This document and the work performed have been undertaken in good faith, with due diligence and with the expertise, experience, capability, and specialized knowledge necessary to perform the work in a good and workmanlike manner and within all accepted standards pertaining to providers of environmental services in

California at the time of investigation. No soil engineering or geotechnical references are implied or should be inferred. The evaluation of the geologic conditions at the site for this investigation is made from a limited number of data points. Subsurface conditions may vary away from these data points.

Please contact Ms. Rebekah A. Westrup, Cardno ERI's project manager for this site, at (707) 766-2000 or rebekah.westrup@cardno.com with any questions or comments regarding this report.

Sincerely,

SCANNED IMAGE

SCANNED IMAGE

PROFESSIONAL GEOLOGIST
DAVID RICHARD DANIELS
No. 8737
EXP. 7/31/15
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Enclosures:

References

Acronym List

Plate 1	Site Vicinity Map
Plate 2	Generalized Site Plan
Plate 3	Groundwater Elevation Map
Plate 4	Select Groundwater Analytical Results
Plate 5	Residual TPHg Concentrations in Soil, Shallow (10 Feet or Less)
Plate 6	Residual Benzene Concentrations in Soil, Shallow (10 Feet or Less)
Plate 7	Residual TPHg Concentrations in Soil, Deep (10 Feet or Greater)
Plate 8	Residual Benzene Concentrations in Soil, Deep (10 Feet or Greater)

Table 1A	Cumulative Groundwater Monitoring and Sampling Data
Table 1B	Additional Cumulative Groundwater Monitoring and Sampling Data
Table 1C	Additional Cumulative Groundwater Monitoring and Sampling Data - Metals
Table 2	Well Construction Details
Table 3A	Cumulative Soil Analytical Results
Table 3B	Additional Cumulative Soil Analytical Results
Table 3C	Additional Cumulative Soil Analytical Results – Metals

Appendix A	Correspondence
Appendix B	Field Protocols
Appendix C	Permits
Appendix D	Boring Logs
Appendix E	Field Forms
Appendix F	Laboratory Analytical Reports
Appendix G	Survey Data
Appendix H	Waste Disposal Documentation

cc: Ms. Barbara Jakub, Alameda County Health Care Services Agency, Environmental Health Services, 1131 Harbor Bay Parkway, Suite 250, Alameda, California, 94502-6577

Mr. Shay Wideman, The Valero Companies, Environmental Liability Management, P.O. Box 696000, San Antonio, Texas, 78269

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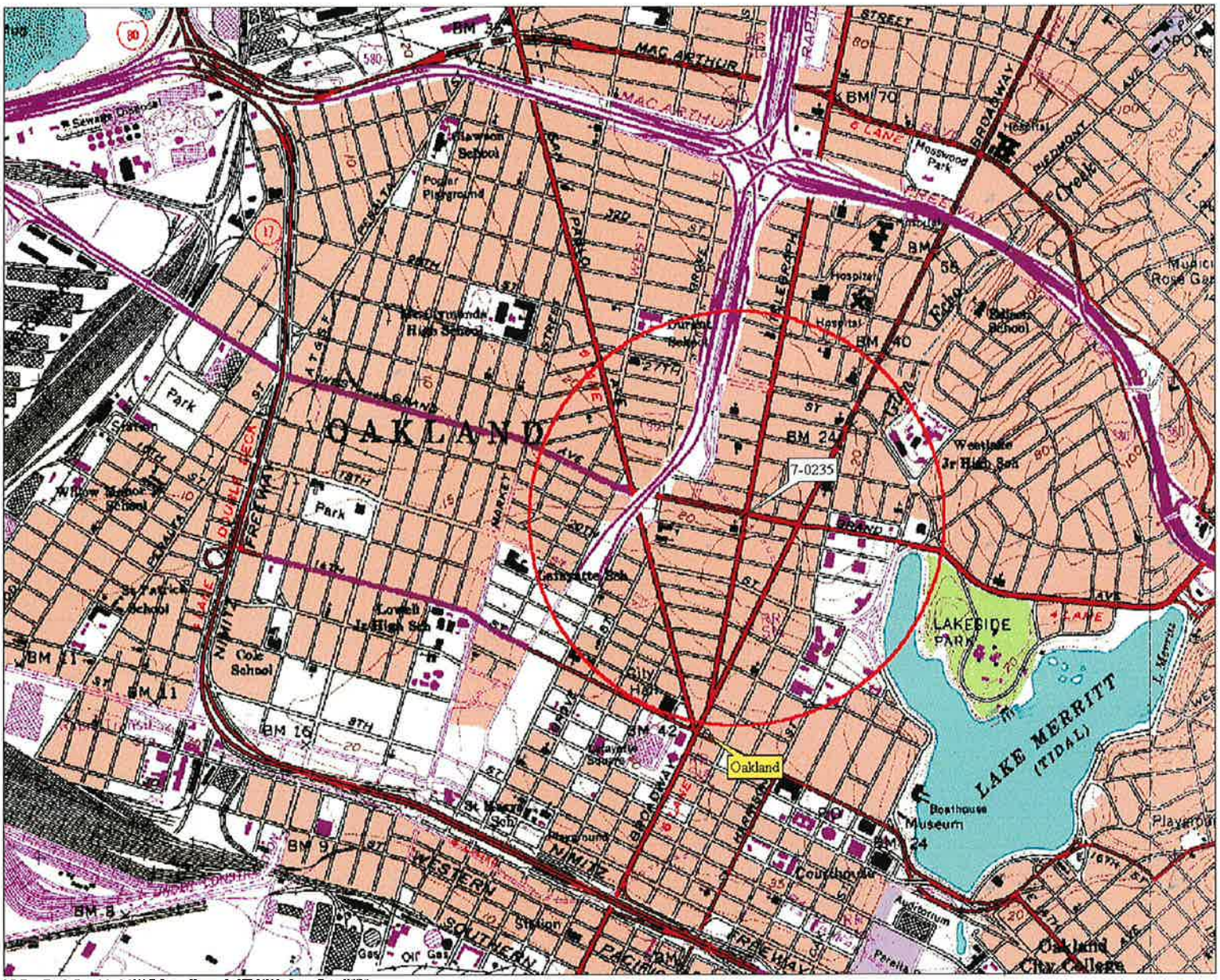
ACRONYM LIST

µg/L	Micrograms per liter
µs	Microsiemens
1,2-DCA	1,2-dichloroethane
acfm	Actual cubic feet per minute
AS	Air sparge
bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
CEQA	California Environmental Quality Act
cfm	Cubic feet per minute
COC	Chain of Custody
CPT	Cone Penetration (Penetrometer) Test
DIPE	Di-isopropyl ether
DO	Dissolved oxygen
DOT	Department of Transportation
DPE	Dual-phase extraction
DTW	Depth to water
EDB	1,2-dibromoethane
EPA	Environmental Protection Agency
ESL	Environmental screening level
ETBE	Ethyl tertiary butyl ether
FID	Flame-ionization detector
fpm	Feet per minute
GAC	Granular activated carbon
gpd	Gallons per day
gpm	Gallons per minute
GWPTS	Groundwater pump and treat system
HVOC	Halogenated volatile organic compound
J	Estimated value between MDL and PQL (RL)
LEL	Lower explosive limit
LPC	Liquid-phase carbon
LRP	Liquid-ring pump
LUFT	Leaking underground fuel tank
LUST	Leaking underground storage tank
MCL	Maximum contaminant level
MDL	Method detection limit
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
mg/m^3	Milligrams per cubic meter
MPE	Multi-phase extraction
MRL	Method reporting limit
msl	Mean sea level
MTBE	Methyl tertiary butyl ether
MTCA	Model Toxics Control Act
NAI	Natural attenuation indicators
NAPL	Non-aqueous phase liquid
NEPA	National Environmental Policy Act
NGVD	National Geodetic Vertical Datum
NPDES	National Pollutant Discharge Elimination System
O&M	Operations and Maintenance
ORP	Oxidation-reduction potential
OSHA	Occupational Safety and Health Administration
OVA	Organic vapor analyzer
P&ID	Process & Instrumentation Diagram
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyl
PCE	Tetrachloroethene or perchloroethylene
PID	Photo-ionization detector
PLC	Programmable logic control
POTW	Publicly owned treatment works
ppmv	Parts per million by volume
PQL	Practical quantitation limit
psi	Pounds per square inch
PVC	Polyvinyl chloride
QA/QC	Quality assurance/quality control
RBSL	Risk-based screening levels
RCRA	Resource Conservation and Recovery Act
RL	Reporting limit
scfm	Standard cubic feet per minute
SSTL	Site-specific target level
STLC	Soluble threshold limit concentration
SVE	Soil vapor extraction
SVOC	Semivolatile organic compound
TAME	Tertiary amyl methyl ether
TBA	Tertiary butyl alcohol
TCE	Trichloroethene
TOC	Top of well casing elevation; datum is msl
TOG	Total oil and grease
TPHd	Total petroleum hydrocarbons as diesel
TPHg	Total petroleum hydrocarbons as gasoline
TPHmo	Total petroleum hydrocarbons as motor oil
TPHs	Total petroleum hydrocarbons as stoddard solvent
TRPH	Total recoverable petroleum hydrocarbons
UCL	Upper confidence level
USCS	Unified Soil Classification System
USGS	United States Geologic Survey
UST	Underground storage tank
VCP	Voluntary Cleanup Program
VOC	Volatile organic compound
VPC	Vapor-phase carbon



3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 550 ft Scale: 1 : 19,200 Detail: 13-0 Datum: WGS84

FN 2229Topo

EXPLANATION

1/2-mile radius circle

N

APPROXIMATE SCALE

0 0.5 1 mile

SOURCE: Modified from a map provided by DeLorme 3-D TopoQuads

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SITE VICINITY MAP

FORMER EXXON SERVICE STATION 70235
2225 Telegraph Avenue
Oakland, California

PROJECT NO. 2229

PLATE 1

APPROXIMATE SCALE

0 50 100 Feet

FN 2229 13 R27 GSP_RPT

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GENERALIZED SITE PLAN

FORMER EXXON SERVICE STATION 70235
2225 Telegraph Avenue
Oakland, California

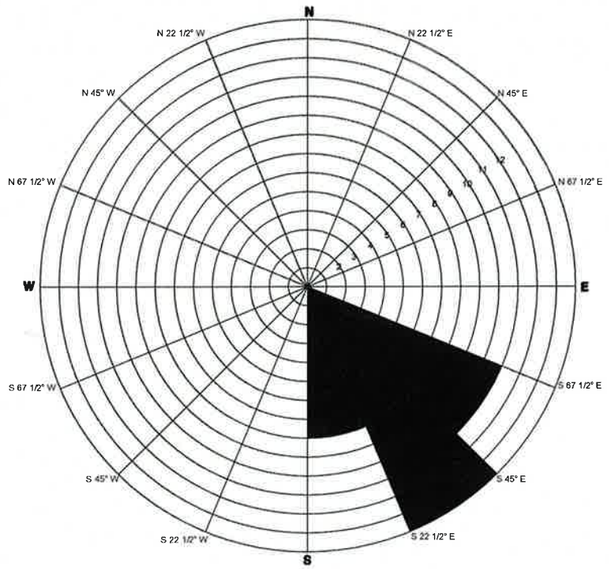
EXPLANATION

- MW6Lb — Groundwater Monitoring Well
- RW3A — Recovery Well
- B9 — Soil Boring-ERI
- GP2 — Geoprobe
- CPT3 — Cone Penetration Text Boring
- HP3 — Hydropunch Boring
- DP2 — Direct Push Boring
- PL10 — Soil Boring-Product Line
- B7 — Soil Boring-HLA
- B10 — Soil Boring-ALTON
- TG12 — Soil Boring-EA
- AB6 — Hand Auger-HLA

PROJECT NO. 2229

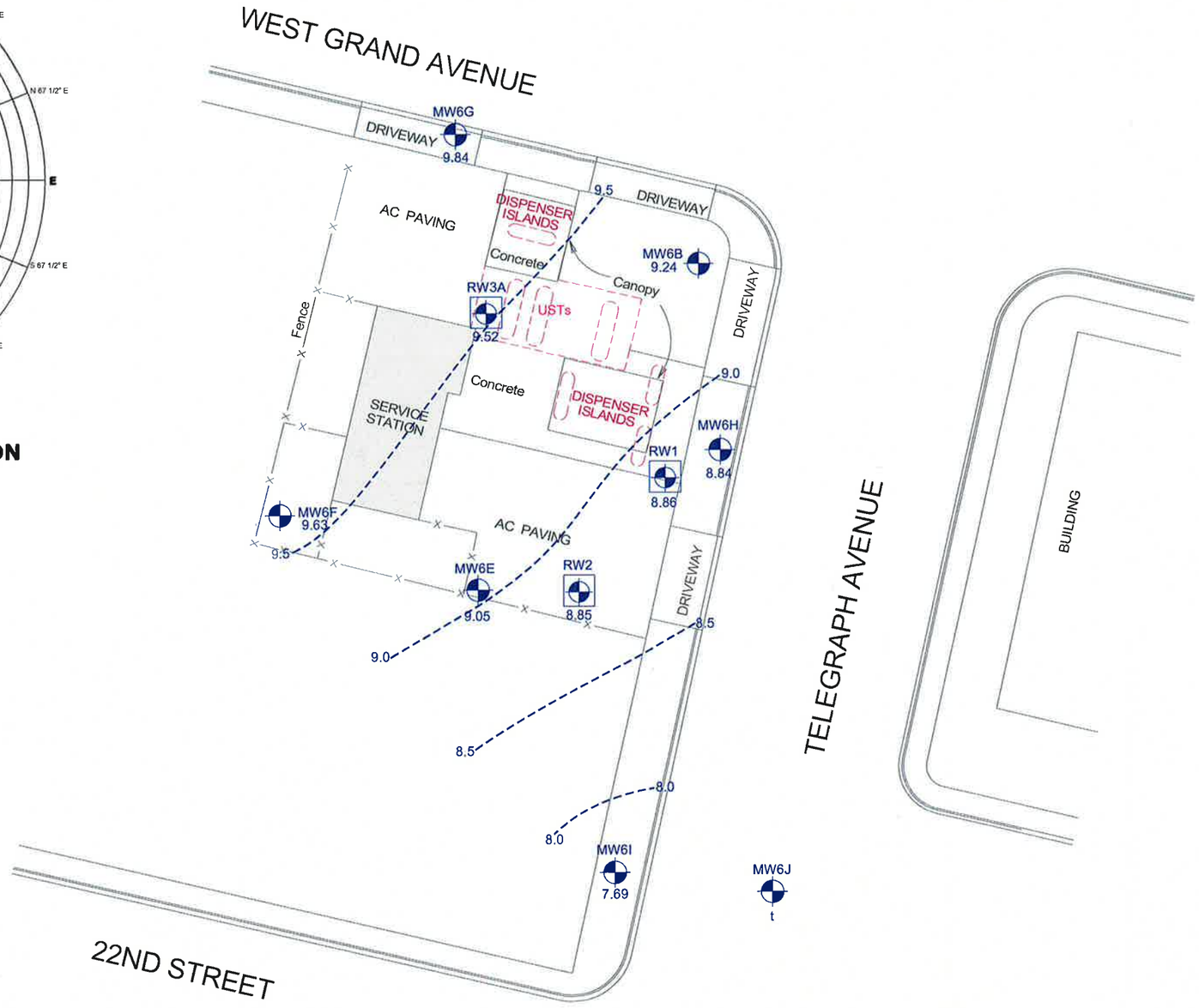
PLATE 2

L:\EXXONMOBIL\ExxonMobil Projects\022229C (70235) Oakland\2229 AutoCad\REPORTS\13 R27\13 R27 GSP_RPT.dwg, mary.jones



GROUNDWATER FLOW DIRECTION ROSE DIAGRAM

Second Quarter 2003-First Quarter 2013



APPROXIMATE SCALE

0 40 80 Feet

FN 2229 13 R27 1QTR QM_RPT

9.5 ---- Line of Equal Groundwater Elevation; datum is mean sea level

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GROUNDWATER ELEVATION MAP

March 8, 2013

FORMER EXXON SERVICE STATION 70235
2225 Telegraph Avenue
Oakland, California

EXPLANATION

MW6I — Groundwater Monitoring Well

7.69 — Groundwater elevation in feet; datum is mean sea level

RW3A — Recovery Groundwater Monitoring Well

t — Well inaccessible.

PROJECT NO. 2229

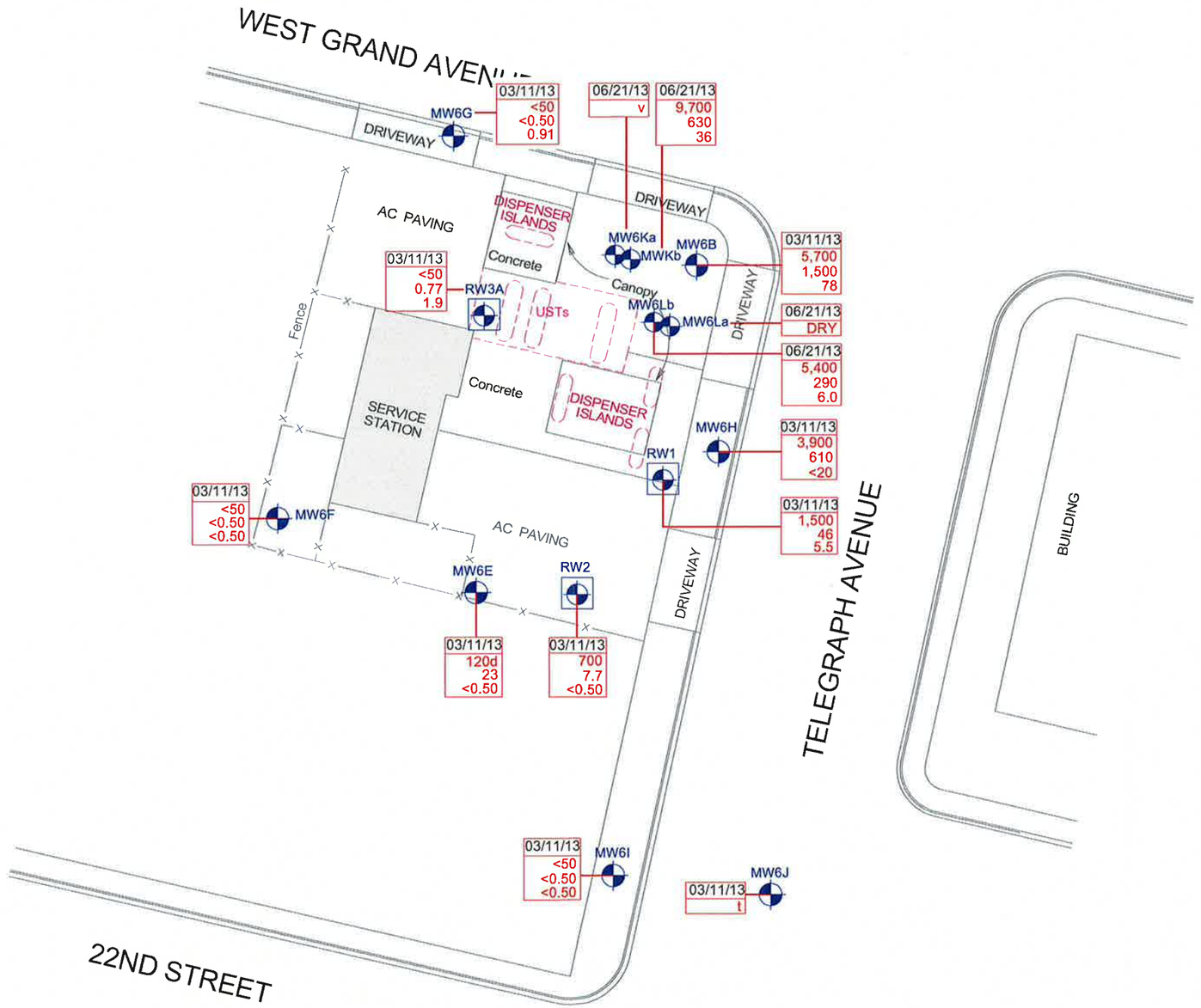
PLATE 3

L:\EXXONMOBIL\ExxonMobil Projects\022229C (70235) Oakland\2229 AutoCad\REPORTS\13 R27\13 R27 1QTR QM_RPT.dwg, mary.jones

Analyte concentrations in ug/L
Sampled March 11 and June 21, 2013

	Total Petroleum Hydrocarbons as gasoline
	Benzene
	Methyl Tertiary Butyl Ether

<	Less Than the Stated Laboratory Reporting Limit
ug/L	Micrograms per Liter
d	The chromatographic pattern does not match that of the specified standard.
t	Well inaccessible.
v	Not enough water to sample.



APPROXIMATE SCALE

0 40 80 Feet

FN 2229 13 R27 SAR_RPT

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SELECT GROUNDWATER ANALYTICAL RESULTS
March 11 and June 21, 2013

FORMER EXXON SERVICE STATION 70235
2225 Telegraph Avenue
Oakland, California

EXPLANATION

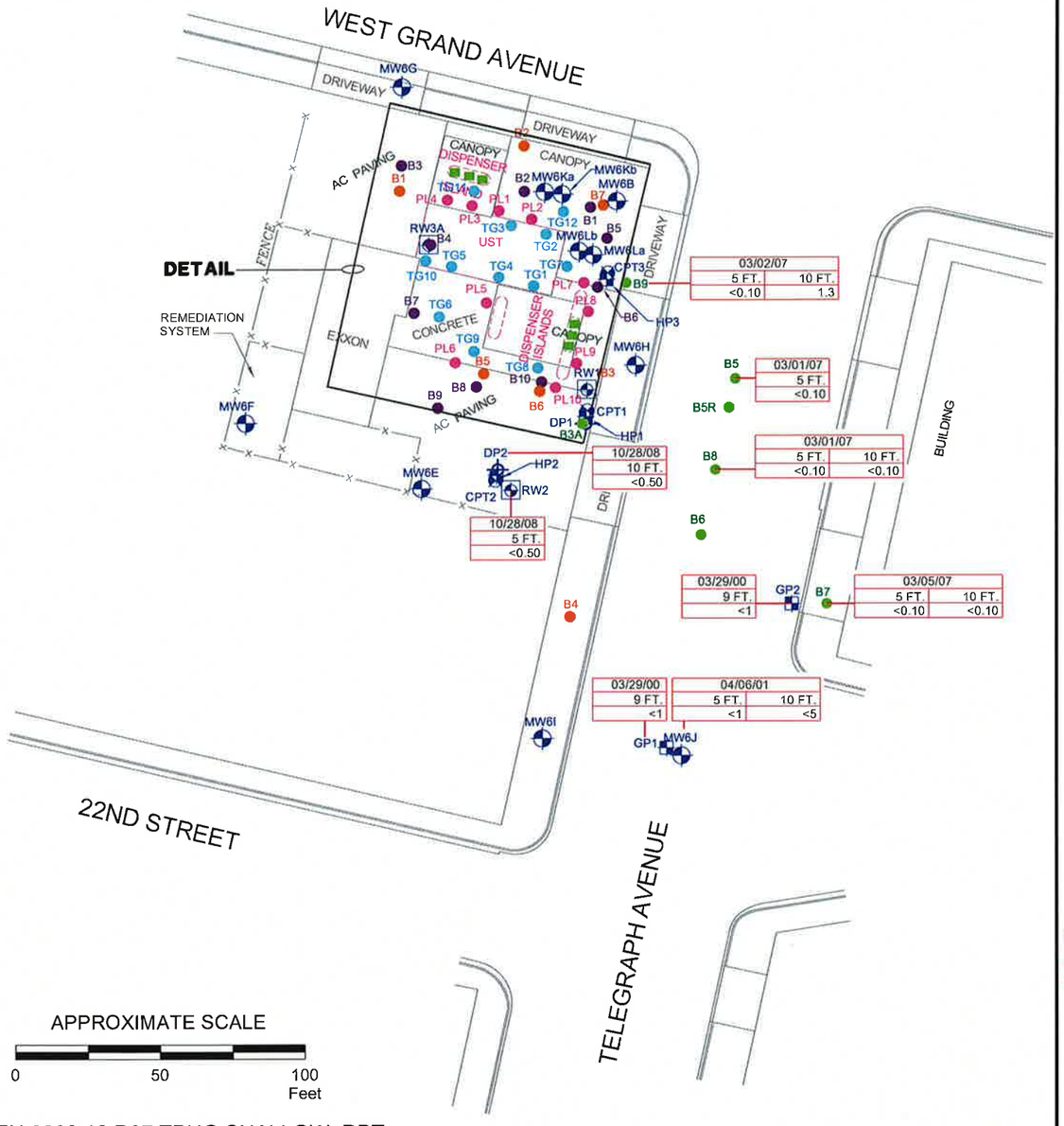
MW6Lb — Groundwater Monitoring Well

RW3A — Recovery Groundwater Monitoring Well

PROJECT NO. 2229

PLATE 4

L:\EXXONMOBIL\ExxonMobil Projects\022229C (70235) Oakland\2229 AutoCad\REPORTS\13 R27\13 R27 SAR_RPT.dwg, mary.jones

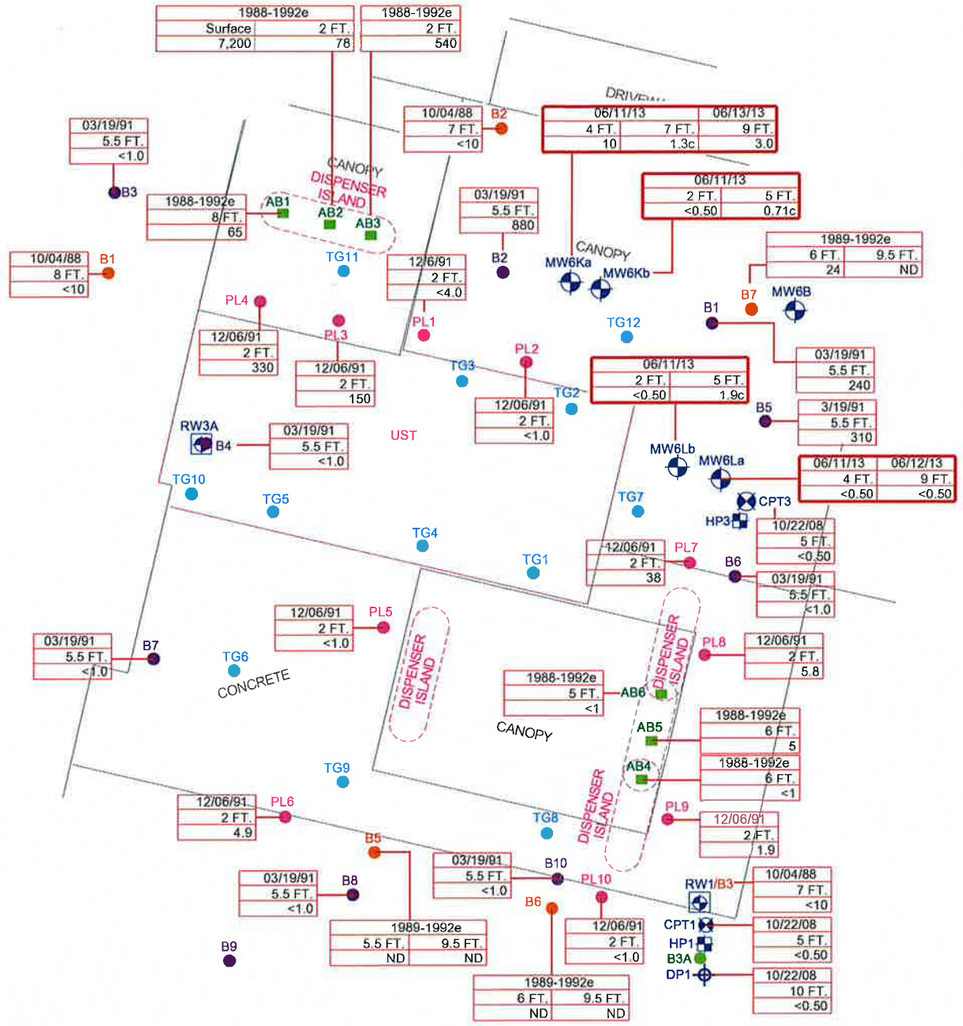


DETAIL

REMEDIATION SYSTEM

APPROXIMATE SCALE

0 50 100 Feet



DETAIL

Not to scale

Analyte Concentrations in mg/kg

Sample Date
Sample Depth
TPHg

< Less Than the Stated Laboratory Reporting Limit

mg/kg Milligrams per kilogram

ND Not Detected

c Hydrocarbon pattern does not resemble the requested fuel.

e Exact sampling date unclear from previous consultant reports.

FN 2229 13 R27 TPHG SHALLOW_RPT

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RESIDUAL TPHg CONCENTRATIONS IN SOIL SHALLOW (10 Feet or Less)

FORMER EXXON SERVICE STATION 70235
2225 Telegraph Avenue
Oakland, California

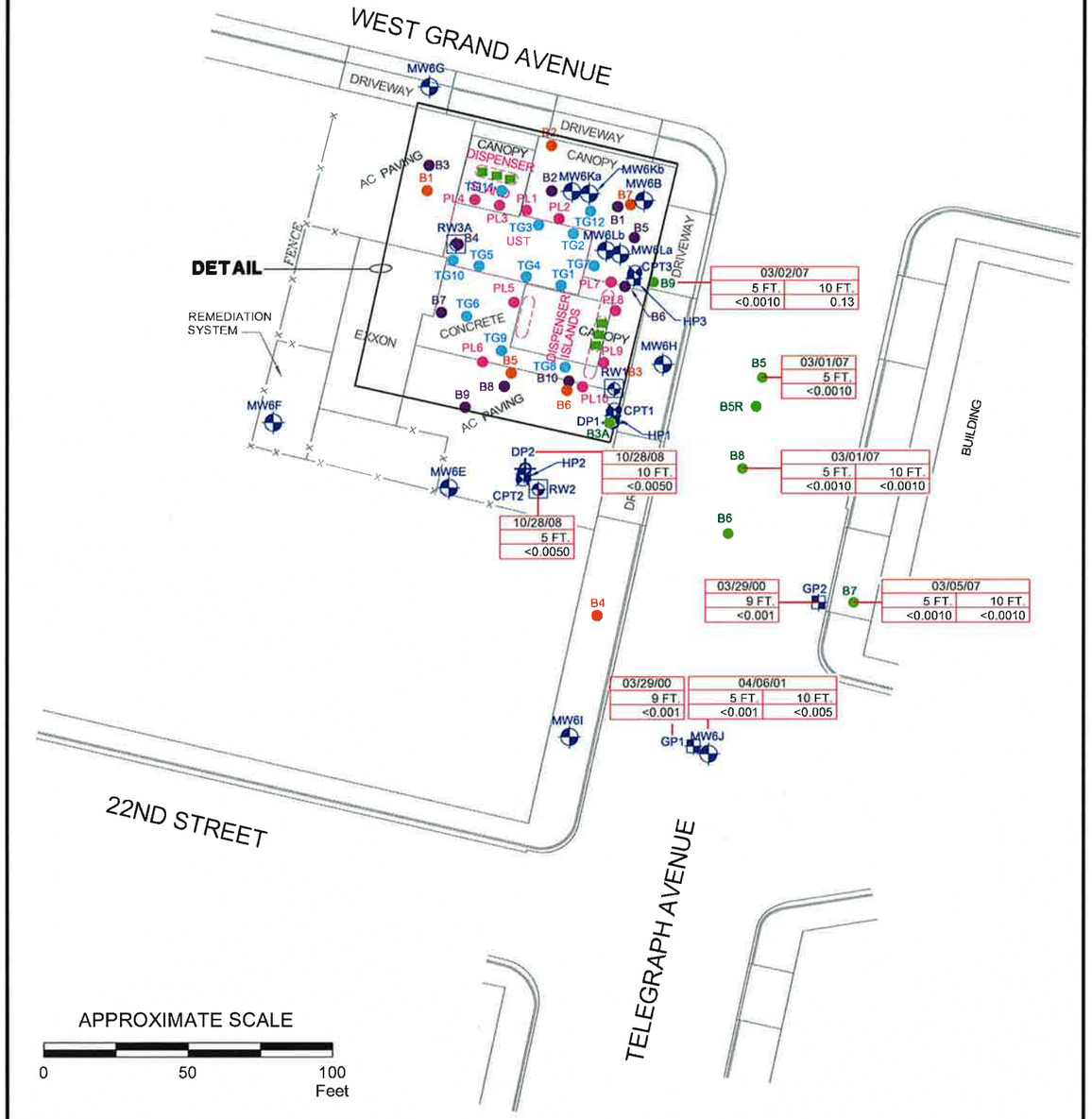
EXPLANATION

- MW6Lb — Groundwater Monitoring Well
- RW3A — Recovery Well
- SB9 — Soil Boring-ERI
- GP2 — Geoprobe
- PL10 — Soil Boring-Product Line
- B7 — Soil Boring-HLA
- B10 — Soil Boring-ALTON
- TG12 — Soil Boring-EA
- AB6 — Hand Auger-HLA
- CPT3 — Cone Penetration Text Boring
- HP3 — Hydropunch Boring
- DP2 — Direct Push Boring

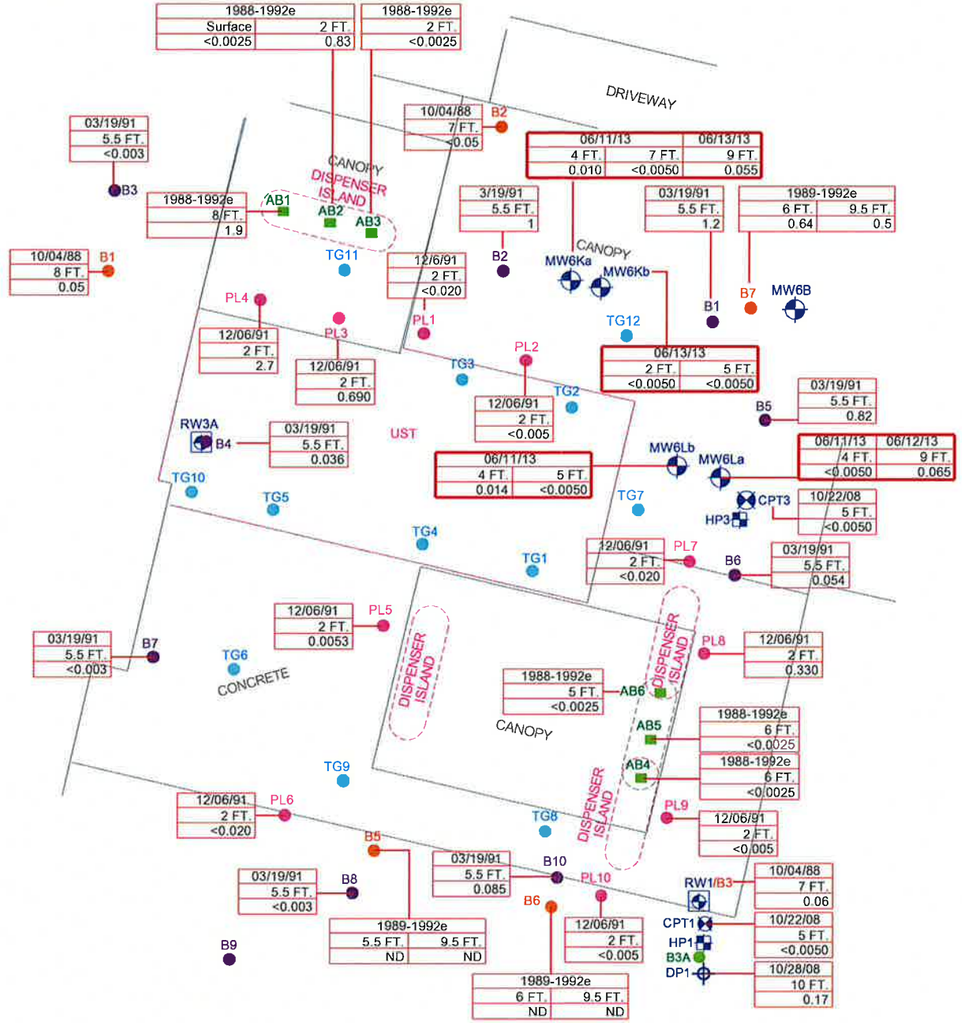
PROJECT NO. 2229

PLATE 5

L:\EXXONMOBIL\ExxonMobil Projects\022229C (70235) Oakland\2229 AutoCad\REPORTS\13 R27\13 R27 TPHG SHALLOW_RPT.dwg, mary.jones



FN 2229 13 R27 TPHG SHALLOW_RPT



Analyte Concentrations in mg/kg

Sample Date
Sample Depth
Benzene

< Less Than the Stated Laboratory Reporting Limit
mg/kg Milligrams per kilogram
ND Not Detected
c Hydrocarbon pattern does not resemble the requested fuel.
e Exact sampling date unclear from previous consultant reports.

DETAIL
Not to scale

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RESIDUAL BENZENE CONCENTRATIONS IN SOIL
Shallow (10 Feet or Less)

FORMER EXXON SERVICE STATION 70235
2225 Telegraph Avenue
Oakland, California

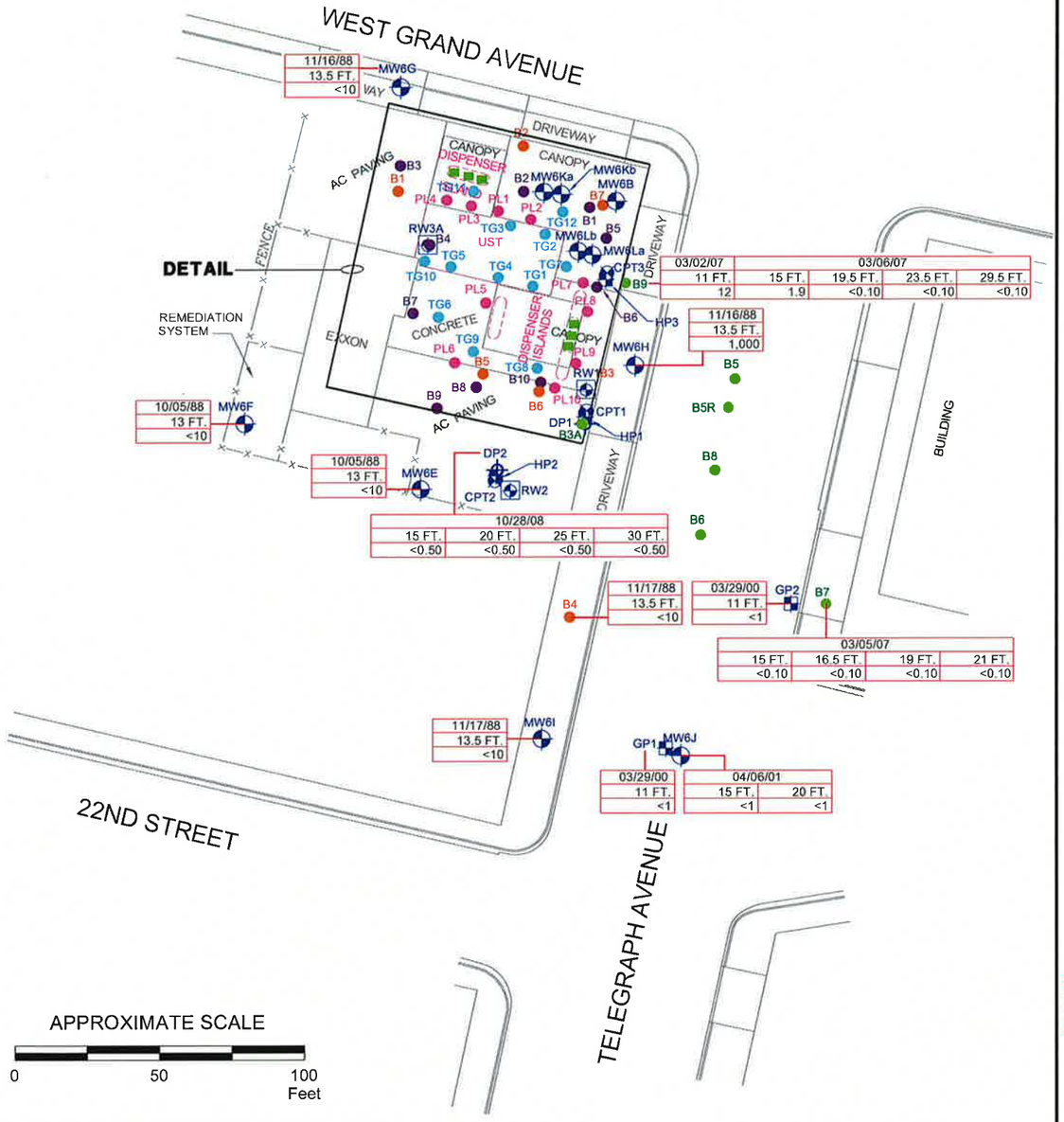
EXPLANATION

- MW6Lb — Groundwater Monitoring Well
- RW3A — Recovery Well
- SB9 — Soil Boring-ERI
- GP2 — Geoprobe
- PL10 — Soil Boring-Product Line
- B7 — Soil Boring-HLA
- B10 — Soil Boring-ALTON
- TG12 — Soil Boring-EA
- AB6 — Hand Auger-HLA
- CPT3 — Cone Penetration Text Boring
- HP3 — Hydropunch Boring
- DP2 — Direct Push Boring

PROJECT NO. 2229

PLATE 6

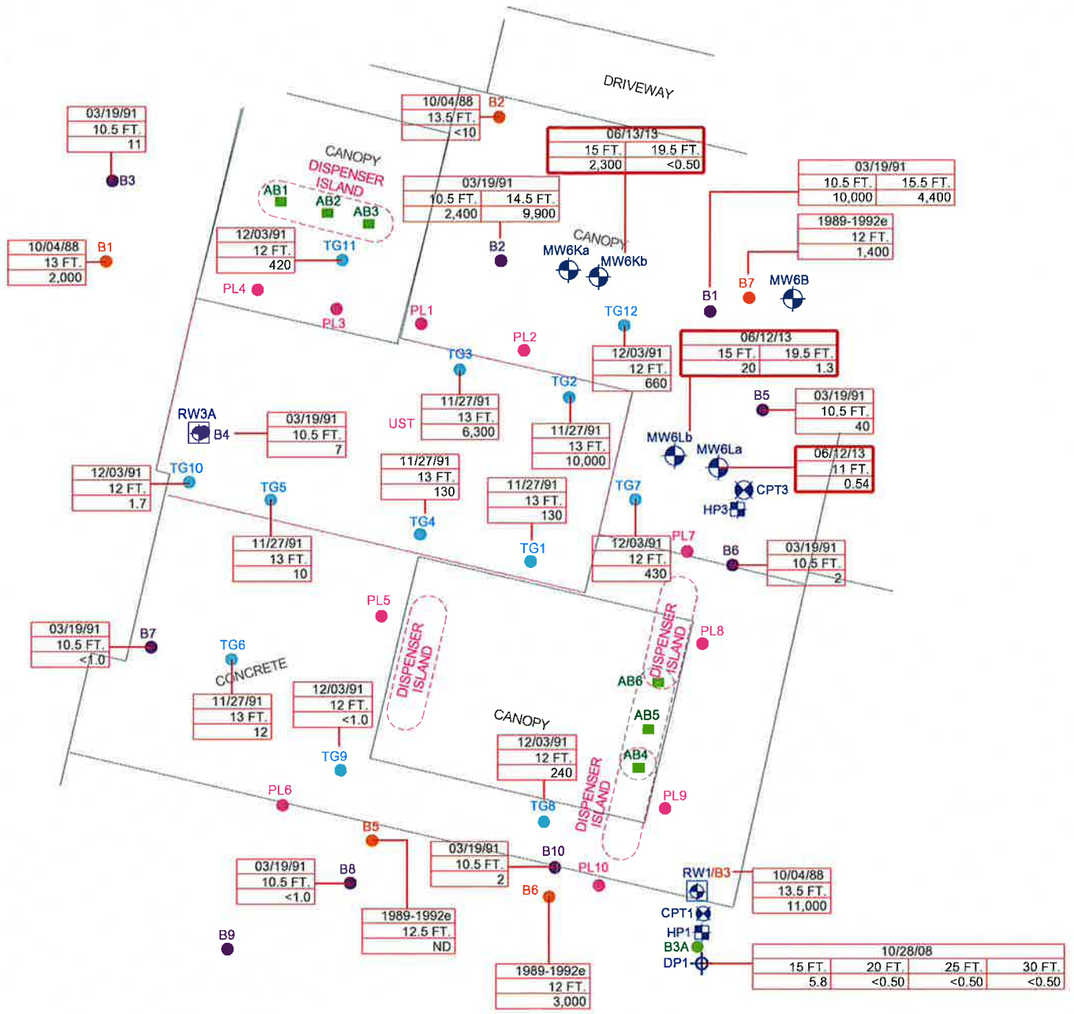
L:\EXXONMOBIL\ExxonMobil Projects\022229C (70235) Oakland\2229 AutoCad\REPORTS\13 R27\13 R27 TPHG SHALLOW_RPT.dwg, mary.jones



APPROXIMATE SCALE

0 50 100 Feet

FN 2229 13 R27 TPHG SHALLOW_RPT



Analyte Concentrations in mg/kg

Sample Date
Sample Depth
TPHg

< Less Than the Stated Laboratory Reporting Limit
mg/kg Milligrams per kilogram
ND Not Detected
c Hydrocarbon pattern does not resemble the requested fuel.

DETAIL
Not to scale

N

L:\EXXONMOBIL\ExxonMobil Projects\022229C (70235) Oakland\2229 AutoCad\REPORTS\13 R27\13 TPHG SHALLOW_RPT.dwg, mary.jones

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RESIDUAL TPHg CONCENTRATIONS IN SOIL
Deep (Greater than 10 Feet)

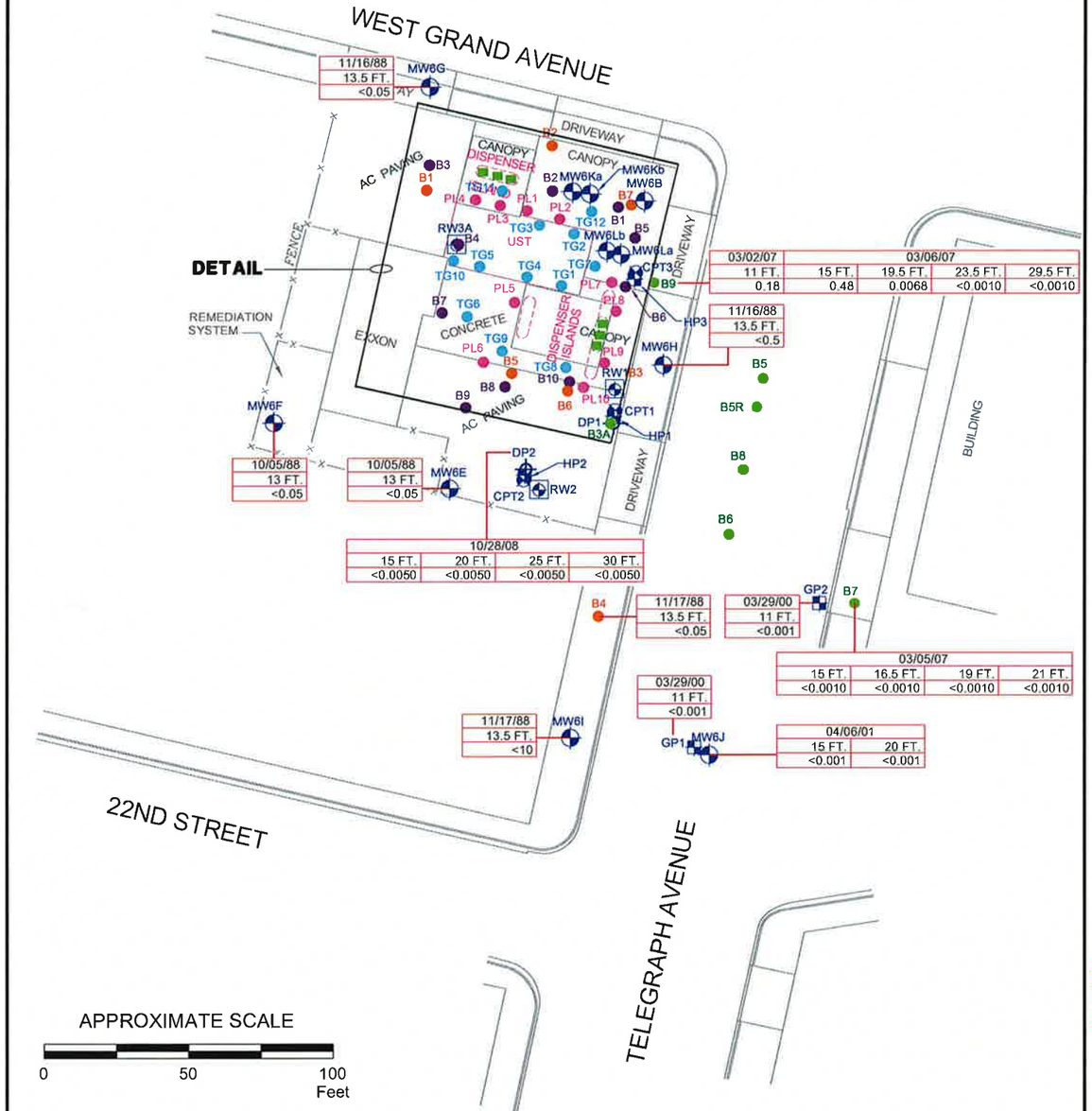
FORMER EXXON SERVICE STATION 70235
2225 Telegraph Avenue
Oakland, California

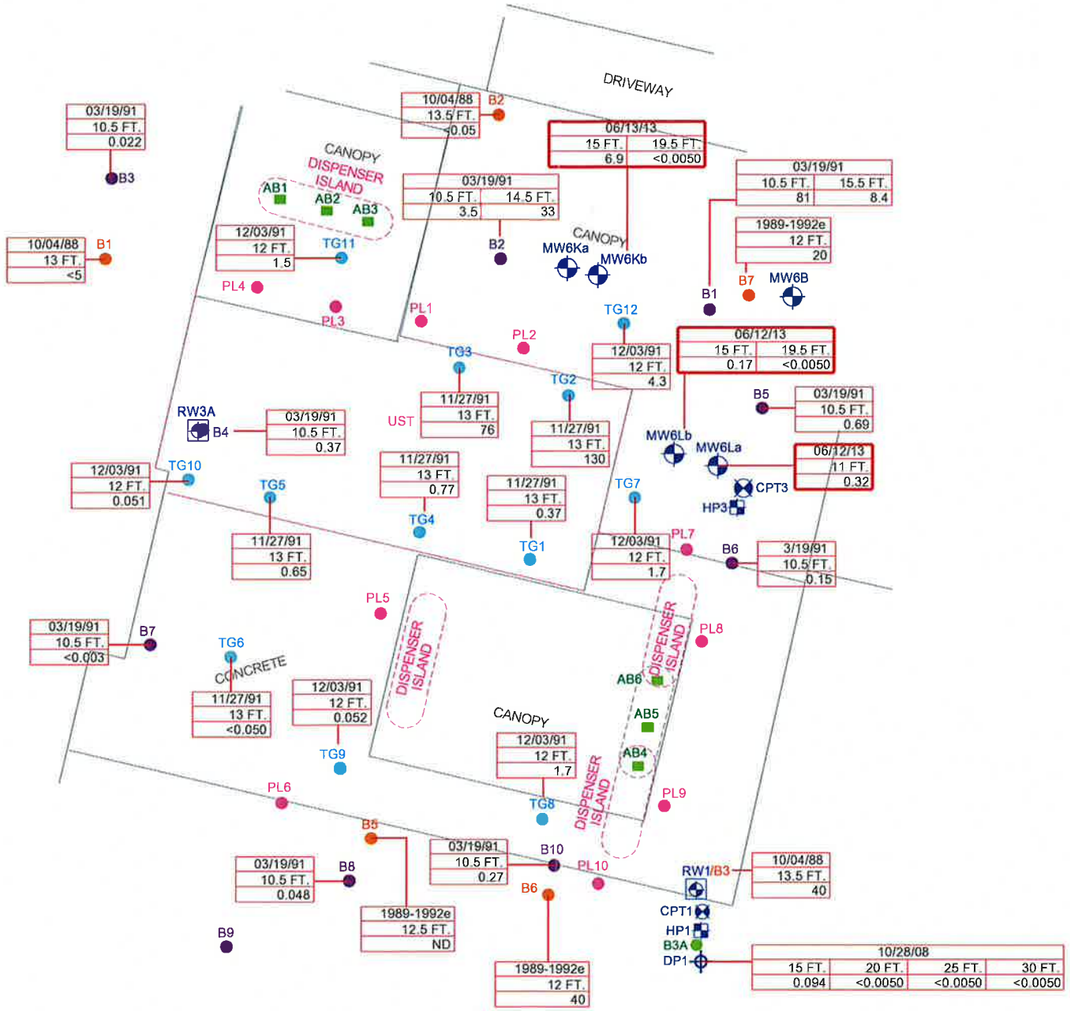
EXPLANATION

- MW6Lb Groundwater Monitoring Well
- RW3A Recovery Well
- SB9 Soil Boring-ERI
- GP2 Geoprobe
- PL10 Soil Boring-Product Line
- B7 Soil Boring-HLA
- B10 Soil Boring-ALTON
- TG12 Soil Boring-EA
- AB6 Hand Auger-HLA
- CPT3 Cone Penetration Text Boring
- HP3 Hydropunch Boring
- DP2 Direct Push Boring

PROJECT NO. 2229

PLATE 7





Analyte Concentrations in mg/kg

Sample Date	
Sample Depth	
Benzene	

< Less Than the Stated Laboratory Reporting Limit
mg/kg Milligrams per kilogram
ND Not Detected
c Hydrocarbon pattern does not resemble the requested fuel.

DETAIL
Not to scale

FN 2229 13 R27 TPHG SHALLOW_RPT

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RESIDUAL BENZENE CONCENTRATIONS IN SOIL
Deep (Greater than 10 Feet)

FORMER EXXON SERVICE STATION 70235
2225 Telegraph Avenue
Oakland, California

EXPLANATION

- MW6Lb — Groundwater Monitoring Well
- RW3A — Recovery Well
- SB9 — Soil Boring-ERI
- GP2 — Geoprobe
- PL10 — Soil Boring-Product Line
- B7 — Soil Boring-HLA
- B10 — Soil Boring-ALTON
- TG12 — Soil Boring-EA
- AB6 — Hand Auger-HLA
- CPT3 — Cone Penetration Text Boring
- HP3 — Hydropunch Boring
- DP2 — Direct Push Boring

PROJECT NO. 2229

PLATE 8

L:\EXXONMOBIL\ExxonMobil Projects\022229C (70235) Oakland\2229 AutoCad\REPORTS\13 R27\13 R27 TPHG SHALLOW_RPT.dwg, mary.jones

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
Monitoring Well Samples																
MW6A	June 1988	---	Well installed.													
MW6A	06/24/88	---	98.99i	---	---	---	---	---	---	---	---	<0.5	<1	<2	<1	---
MW6A	07/11/88	---	98.99i	13.25	85.74	---	---	---	---	---	---	---	---	---	---	---
MW6A	10/20/88	---	98.99i	---	---	---	---	---	---	---	---	0.6	<1	<2	<1	---
MW6A	12/15/88	---	98.99i	13.40	85.59i	---	---	---	---	---	---	---	---	---	---	---
MW6A	09/07/89	---	98.99i	---	---	---	---	ND	---	---	---	2.0	ND	ND	ND	---
MW6A	05/11/90	---	98.99i	12.87	86.12i	---	---	<500	---	---	---	150	6.2	<0.25	13	---
MW6A	10/16/90	---	98.99i	13.27	85.72i	---	---	---	---	---	---	---	---	---	---	---
MW6A	12/06/90	---	98.99i	13.28	85.71i	---	---	---	---	---	---	---	---	---	---	---
MW6A	02/08/91	---	98.99i	12.49	86.50i	---	---	---	---	---	---	---	---	---	---	---
MW6A	05/07/91	---	98.99i	11.94	87.05i	---	---	2,700	---	---	---	700	64	67	74	---
MW6A	06/26/91	---	98.99i	12.87	86.12i	---	---	---	---	---	---	---	---	---	---	---
MW6A	08/05/91	---	98.99i	13.44	85.55i	---	---	---	---	---	---	---	---	---	---	---
MW6A	08/14/91	---	98.99i	13.47	85.52i	---	---	ND	---	---	---	3.6	<0.5	<0.5	<0.5	---
MW6A	09/11/91	---	98.99i	13.48	85.51i	---	---	---	---	---	---	---	---	---	---	---
MW6A	10/16/91	---	98.99i	13.64	85.35i	---	---	---	---	---	---	---	---	---	---	---
MW6A	12/30/91	---	Well damaged.													
MW6A	05/02/92	---	Well destroyed.													
MW6B	June 1988	---	Well installed.													
MW6B	06/24/88	---	98.81i	---	---	---	---	---	---	---	---	<0.5	<1	<2	5.0	---
MW6B	07/11/88	---	98.81i	12.86	85.95i	---	---	---	---	---	---	---	---	---	---	---
MW6B	10/20/88	---	98.81i	---	---	---	---	---	---	---	---	4.1	<1	<2	<1	---
MW6B	12/15/88	---	98.81i	12.94	85.87i	---	---	---	---	---	---	---	---	---	---	---
MW6B	09/07/89	---	98.81i	---	---	---	---	2,700	---	---	---	70	3.0	ND	160	---
MW6B	04/30/90	---	98.81i	12.53	86.28i	---	---	168	---	---	---	45	8.0	60	22	---
MW6B	10/16/90	---	98.81i	12.73	86.08i	---	---	---	---	---	---	---	---	---	---	---
MW6B	12/06/90	---	98.81i	12.74	86.07i	---	---	---	---	---	---	---	---	---	---	---
MW6B	01/14/91	---	98.81i	12.57	86.24i	---	---	---	---	---	---	---	---	---	---	---
MW6B	02/08/91	---	98.81i	12.16	86.65i	---	---	---	---	---	---	---	---	---	---	---
MW6B	04/02/91	---	98.81i	11.50	87.31i	---	---	---	---	---	---	---	---	---	---	---
MW6B	05/07/91	---	98.81i	12.02	86.79i	---	---	3,300	---	---	---	240	6.0	20	660	---
MW6B	05/31/91	---	98.81i	12.40	86.41i	---	---	---	---	---	---	---	---	---	---	---
MW6B	06/26/91	---	98.81i	12.69	86.12i	---	---	---	---	---	---	---	---	---	---	---
MW6B	08/05/91	---	98.81i	12.95	85.86i	---	---	---	---	---	---	---	---	---	---	---
MW6B	08/14/91	---	98.81i	12.93	85.88i	---	---	980	---	---	---	9.1	42	310	150	---
MW6B	09/11/91	---	98.81i	13.01	85.80i	---	---	---	---	---	---	---	---	---	---	---
MW6B	10/16/91	---	98.81i	13.09	85.72i	---	---	---	---	---	---	---	---	---	---	---
MW6B	12/30/91	---	98.81i	12.62	86.19i	---	---	---	---	---	---	---	---	---	---	---
MW6B	12/31/91	---	98.81i	---	---	---	---	1,200	---	---	---	46	<5.0	85	220	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6B	02/25/92	---	98.81i	11.81	87.00i	---	---	---	---	---	---	---	---	---	---	---
MW6B	03/25/92	---	98.81i	11.58	87.23i	---	---	190	---	---	---	31	8.6	84	8.6	---
MW6B	06/16/92	---	15.34	12.54	2.80	---	---	1,700	---	---	---	44	1.7	7.2	230	---
MW6B	09/08/92	---	15.34	12.87	2.47	No	---	2,900	---	---	---	35	8.3	110	330	---
MW6B	11/05/92	---	15.34	12.70	2.64	No	---	1,400	---	---	---	29	<0.5	75	190	---
MW6B	12/14/92	---	15.34	12.19	3.15	No	---	---	---	---	---	---	---	---	---	---
MW6B	01/28/93	---	15.34	11.39	3.95	No	---	---	---	---	---	---	---	---	---	---
MW6B	02/11/93	---	15.34	11.70	3.64	No	---	210	---	---	---	1.2	<0.5	2.8	4.3	---
MW6B	03/09/93	---	15.34	11.70	3.64	No	---	---	---	---	---	---	---	---	---	---
MW6B	04/14/93	---	15.34	11.87	3.47	No	---	---	---	---	---	---	---	---	---	---
MW6B	05/11/93	---	15.34	12.22	3.12	No	---	570	---	---	---	54	2.4	37	36	---
MW6B	06/17/93	---	15.34	12.46	2.88	No	---	---	---	---	---	---	---	---	---	---
MW6B	07/26/93	---	15.34	12.72	2.58	No	---	---	---	---	---	---	---	---	---	---
MW6B	08/10/93	---	15.34	12.82	2.52	No	---	1,300	---	---	---	48	2.4	28	44	---
MW6B	09/21/93	---	15.34	13.08	2.26	No	---	---	---	---	---	---	---	---	---	---
MW6B	10/27/93	---	15.34	13.18	2.16	No	---	1,300	---	---	---	23	1.7	25	250	---
MW6B	11/23/93	---	15.34	13.07	2.27	No	---	---	---	---	---	---	---	---	---	---
MW6B	12/17/93	---	15.34	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6B	02/16/94	---	15.34	12.07	3.27	---	---	300	---	---	---	16	<0.5	3.5	2.4	---
MW6B	05/31/94	---	15.34	12.42	2.92	No	---	690	---	---	---	21	3.9	11	36	---
MW6B	08/30/94	---	17.48j	13.02	4.46	No	---	260	---	---	---	4	0.62	0.82	4	---
MW6B	11/11/94	---	17.48j	11.72	5.76	No	---	300	---	---	---	60	2	1.2	2.4	---
MW6B	02/27/95	---	17.48j	11.84	5.64	No	---	180	---	---	---	28	2.6	0.65	1.6	---
MW6B	05/30/95	---	17.48j	12.09	5.39	No	---	200	---	---	---	23	3.6	0.88	2.3	---
MW6B	08/30/95	---	17.48j	12.76	4.72	No	---	120	---	42	---	3.8	3.6	0.61	0.69	---
MW6B	11/26/96	---	17.48j	12.26	5.22	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6B	02/27/97	---	17.48j	11.73	5.75	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	0.80	---
MW6B	05/21/97	---	17.48j	12.70	4.78	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6B	08/18/97	---	17.48j	12.89	4.59	No	---	380	---	<30	---	4.3	<0.5	1.2	1.5	---
MW6B	03/13/98	---	17.48j	11.15	6.33	No	---	360	---	<6.2	---	93	4.9	4.1	12	---
MW6B	04/20/98	---	17.48j	11.49	5.99	No	---	110	---	5.5	---	19	1.3	1.5	3.9	---
MW6B	07/21/98	---	21.37	12.18	9.19	No	---	<50	---	8.7	---	0.84	0.59	<0.5	<0.5	---
MW6B	10/06/98	---	21.37	12.70	8.67	No	---	190	---	6.0	---	2.4	0.56	0.51	1.2	---
MW6B	01/11/99	---	21.37	12.48	8.89	No	---	50	---	3.9	---	1.2	<0.5	<0.5	0.95	---
MW6B	04/08/99	---	21.37	11.52	9.85	No	---	85	---	14.0	---	4.4	<0.5	<0.5	<0.5	---
MW6B	07/19/99	---	21.37	11.39	9.98	No	---	<50	---	<2.50	---	<0.5	<0.5	<0.5	<0.5	---
MW6B	07/27/99	---	21.37	12.71	8.66	No	---	---	---	---	---	---	---	---	---	---
MW6B	10/25/99	---	21.37	12.49	8.88	No	---	260	---	<2	---	2.3	<0.5	<0.5	<0.5	---
MW6B	01/27/00	---	21.37	11.80	9.57	No	---	770	---	13	---	210	4.8	4.9	13	---
MW6B	04/03/00	---	21.37	11.61	9.76	No	---	670	---	3.4	---	110	6.6	3.8	9.45	---
MW6B	07/05/00	---	21.37	12.27	9.10	No	---	<50	---	2.1	---	0.89	<0.5	<0.5	<0.5	---
MW6B	10/04/00	---	21.37	12.67	8.70	No	---	<50	---	54	---	<0.5	<0.5	<0.5	2	---
MW6B	10/05/00	---	21.37	---	---	---	---	---	<1,000	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6B	01/04/01	---	21.37	12.47	8.90	No	---	<50	---	35	---	<0.5	<0.5	<0.5	<0.5	---
MW6B	04/03/01	---	21.37	11.81	9.56	No	---	<50	---	7.8	---	<0.5	<0.5	<0.5	<0.5	---
MW6B	07/05/01	---	21.37	12.44	8.93	No	---	<50	---	3	---	<0.5	<0.5	<0.5	<0.5	---
MW6B	10/03/01	---	21.37	12.52	8.85	No	---	310	---	10	---	2.1	<0.5	6.5	11.6	---
MW6B	Oct-01	---	21.09	Well surveyed in compliance with AB 2886 requirements.												
MW6B	01/02/02	---	21.09	11.25	9.84	No	---	710	---	21.8	---	99.5	4.40	3.30	7.40	---
MW6B	04/02/02	---	21.09	11.72	9.37	No	---	<50.0	<100	12.2	---	0.60	<0.50	<0.50	<0.50	---
MW6B	07/01/02	---	21.09	12.34	8.75	No	---	<50	<100a	10.7	---	<0.5	<0.5	<0.5	<0.5	---
MW6B	10/02/02	---	21.09	12.71	8.38	No	---	<50.0	<100	10.9	---	<0.5	<0.5	<0.5	<0.5	---
MW6B	01/07/03	---	21.09	11.65	9.44	No	---	82.5	<50	20.8	27.8	3.7	0.5	<0.5	0.8	---
MW6B	06/17/03	---	21.09	12.09	9.00	No	---	<50.0	<100	7.3	6.10a	0.50	<0.5	<0.5	<0.5	---
MW6B	07/16/03	---	21.09	12.29	8.80	No	---	<50.0	<100	11.0	8.5	<0.50	<0.5	<0.5	<0.5	---
MW6B	10/07/03	---	21.09	12.63	8.46	No	<50	<50.0	<100	4.1	3.10	<0.50	<0.5	<0.5	<0.5	---
MW6B	01/14/04	---	21.09	11.50	9.59	No	54	62.0	<100	9.0	11.0	2.10	<0.5	<0.5	<0.5	---
MW6B	06/03/04	---	21.09	12.12	8.97	No	---	56.0	<100	6.2	5.90	0.60	<0.5	<0.5	<0.5	---
MW6B	08/12/04	---	21.09	c	c	c	<50c	94.0c	<100c	---	3.40c	0.70c	<0.5c	<0.5c	0.9c	---
MW6B	11/04/04	---	21.09	12.27	8.82	No	<50	<50.0	143	---	2.60	<0.50	<0.5	<0.5	0.7	---
MW6B	02/01/05	---	21.09	11.48	9.61	No	<100	55.9	<100	---	7.50	1.30	<0.5	<0.5	<0.5	---
MW6B	05/03/05	---	21.09	11.48	9.61	No	<50	<50.0	<100	---	4.90	0.50	<0.5	<0.5	0.8	---
MW6B	08/04/05	---	21.09	12.23	8.86	No	<50.0	<50.0	<100	---	5.99	<0.500	<0.500	<0.500	0.692	---
MW6B	10/27/05	---	21.09	12.60	8.49	No	<50.0	<50.0	<50.0	---	1.65	<0.50	0.94f	<0.50	1.29	---
MW6B	01/26/06	---	21.09	11.39	9.70	No	83d	510	<500	---	12	130	12	14	39	---
MW6B	04/28/06	---	21.09	10.99	10.10	No	240d	3,100	<470	---	43	920h	110	130	290	---
MW6B	07/05/06	---	21.09	12.05	9.04	No	<47.6	79.4	<95.2	---	11.4	2.95	<1.00	<1.00	<3.00	---
MW6B	10/27/06	---	21.09	12.53	8.56	No	<47	<50.0	<470	---	2.25	0.63	<0.50	<0.50	<0.50	---
MW6B	01/19/07	---	21.09	12.05	9.04	No	<47	<50.0	<470	---	3.75	<0.50	<0.50	<0.50	<0.50	---
MW6B	04/24/07	---	21.09	11.71	9.38	No	60.9d	<50.0	<46.9	---	4.19	0.51	<0.50	<0.50	<0.50	---
MW6B	07/24/07	---	21.09	12.24	8.85	No	<47	<50	<470	---	3.2	0.80	<0.50	<0.50	<0.50	---
MW6B	12/03/07	---	21.09	12.71	8.38	No	<47	64	<470	---	2.8	2.5	<0.50	<0.50	<0.50	---
MW6B	03/06/08	---	21.09	11.50	9.59	No	52d	330	<470	---	6.2	60	2.5	4.1	5.4	---
MW6B	06/26/08	---	21.09	12.76	8.33	No	<47	<50	<470	---	6.4	<0.50	<0.50	<0.50	<0.50	---
MW6B	08/12/08	---	21.09	12.89	8.20	No	72.0d,m,n	<50.0	89.3m	---	3.59	1.52	<0.50	<0.50	1.18	---
MW6B	10/23/08	---	21.09	13.18	7.91	No	<50	<50	<250	---	6.1	<0.50	<0.50	<0.50	<1.0	---
MW6B	03/25/09	---	21.09	11.76	9.33	No	730	5,400	<250	---	39	1,700	220	250	500	---
MW6B	06/17/09	---	21.09	---	---	---	420	2,500	<250	---	51	1000	99	84	150	---
MW6B	06/17/09	---	21.09	12.36	8.73	No	420	2,500	<250	---	51	1,000	99	84	150	---
MW6B	09/04/09	---	21.09	12.85	8.24	No	90d	710	<250	---	33	69	2.7	<0.50	4.1	---
MW6B	03/09/10	---	21.09	10.88	10.21	No	1,500d	6,500	<250	---	57	2,200	140	200	430	---
MW6B	09/17/10	---	21.09	12.92	8.17	No	<50	590d	<250	---	45	77	<10	<10	<20	---
MW6B	02/15/11	---	21.09	11.68	9.41	No	830d	6,600d	<250	---	63	2,700	120	140	260	---
MW6B	08/23/11	---	21.09	12.07	9.02	No	450d	4,500d	<250	---	57	1,100	27	5.9	43	---
MW6B	02/09/12	---	21.09	11.98	9.11	No	230d	1,700d	<250	---	61s	280	8.0	5.6	19	---
MW6B	07/24/12	---	21.09	12.41	8.68	No	820d	6,200	<250	---	82	2,100	130	57	200	675

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6B	**03/08/13**	**---**	**21.09**	**11.85**	**9.24**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6B	**03/11/13**	**---**	**21.09**	**---**	**---**	**---**	**620d**	**5,700**	**<250**	**---**	**78**	**1,500**	**44**	**14**	**58**	**---**
MW6C	06/15/88	---	99.89i	Well installed.												
MW6C	06/24/88	---	99.89i	---	---	---	---	---	---	---	---	7,400	7.1	170	2,300	---
MW6C	07/11/88	---	99.89i	14.21	85.68i	---	---	---	---	---	---	---	---	---	---	---
MW6C	10/20/88	---	99.89i	---	---	---	---	---	---	---	---	9,500	65	170	850	---
MW6C	12/15/88	---	99.89i	14.10	85.79i	---	---	---	---	---	---	---	---	---	---	---
MW6C	09/07/89	---	99.89i	---	---	---	---	18,000	---	---	---	7,900	430	350	1,100	---
MW6C	04/30/90	---	99.89i	13.81	86.68i	---	---	30,000	---	---	---	6,100	1,500	1,000	2,700	---
MW6C	05/10/90	---	---	Well over-drilled into recovery well RW3.												
MW6D	07/06/88	---	98.78i	Well installed.												
MW6D	07/11/88	---	98.78i	13.48	85.24i	0.002083	---	---	---	---	---	220	27	<20	<10	---
MW6D	10/20/88	---	98.78i	---	---	---	---	---	---	---	---	710	74	22	110	---
MW6D	12/15/88	---	98.78i	13.44	85.34i	---	---	---	---	---	---	---	---	---	---	---
MW6D	09/07/89	---	98.78i	---	---	---	---	2,200	---	---	---	600	26	58	31	---
MW6D	04/30/90	---	98.78i	13.19	85.59i	---	---	3,600	---	---	---	800	150	310	280	---
MW6D	05/10/90	---	98.78i	Well over-drilled into recovery well RW2.												
MW6E	10/04/88	---	98.99i	Well installed.												
MW6E	10/20/88	---	98.99i	---	---	---	---	---	---	---	---	1.1	<2	<1	3.4	---
MW6E	12/15/88	---	98.99i	13.70	85.29i	---	---	---	---	---	---	---	---	---	---	---
MW6E	09/07/89	---	98.99i	---	---	---	---	220	---	---	---	3.0	ND	ND	ND	---
MW6E	04/30/90	---	98.99i	13.43	85.56i	---	---	250	---	---	---	57	<5.0	<5.0	53	---
MW6E	10/16/90	---	98.99i	13.77	85.22i	---	---	---	---	---	---	---	---	---	---	---
MW6E	12/06/90	---	98.99i	13.95	85.04i	---	---	---	---	---	---	---	---	---	---	---
MW6E	01/14/91	---	98.99i	13.95	85.04i	---	---	---	---	---	---	---	---	---	---	---
MW6E	02/08/91	---	98.99i	13.20	85.79i	---	---	---	---	---	---	---	---	---	---	---
MW6E	04/02/91	---	98.99i	12.28	86.71i	---	---	---	---	---	---	---	---	---	---	---
MW6E	05/07/91	---	98.99i	13.48	85.51i	---	---	160	---	---	---	32	1.0	2.2	1.4	---
MW6E	05/31/91	---	98.99i	14.09	84.90i	---	---	---	---	---	---	---	---	---	---	---
MW6E	06/26/91	---	98.99i	12.54	86.45i	---	---	---	---	---	---	---	---	---	---	---
MW6E	08/05/91	---	98.99i	14.39	84.60i	---	---	---	---	---	---	---	---	---	---	---
MW6E	08/14/91	---	98.99i	14.18	84.81i	---	---	ND	---	---	---	0.9	<0.5	<0.5	<0.5	---
MW6E	09/11/91	---	98.99i	14.73	84.26i	---	---	---	---	---	---	---	---	---	---	---
MW6E	10/16/91	---	98.99i	14.40	84.59i	---	---	---	---	---	---	---	---	---	---	---
MW6E	12/30/91	---	98.99i	13.39	85.60i	---	---	---	---	---	---	---	---	---	---	---
MW6E	12/31/91	---	98.99i	---	---	---	---	90	---	---	---	3.1	<0.5	<0.5	<0.5	---
MW6E	02/25/92	---	98.99i	13.16	85.83i	---	---	---	---	---	---	---	---	---	---	---
MW6E	03/25/92	---	98.99i	12.15	86.84i	---	---	830	---	---	---	41	1.0	3.8	16	---
MW6E	06/16/92	---	15.23	13.54	1.69	---	---	3,400	---	---	---	300	23	68	510	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6E	09/08/92	---	15.23	14.78	0.45	No	---	480	---	---	---	27	<0.5	3.6	21	---
MW6E	11/05/92	---	15.23	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6E	12/14/92	---	15.23	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6E	01/28/93	---	15.23	11.62	3.61	No	---	---	---	---	---	---	---	---	---	---
MW6E	02/11/93	---	15.23	12.85	2.38	No	---	270	---	---	---	15	<0.5	<0.5	8.7	---
MW6E	03/09/93	---	15.23	12.83	2.40	No	---	---	---	---	---	---	---	---	---	---
MW6E	04/14/93	---	15.23	---	---	No	---	---	---	---	---	---	---	---	---	---
MW6E	05/11/93	---	15.23	13.59	1.64	No	---	<50	---	---	---	2.3	<0.5	1.4	3.2	---
MW6E	06/17/93	---	15.23	13.74	1.49	No	---	---	---	---	---	---	---	---	---	---
MW6E	07/26/93	---	15.23	14.01	1.22	No	---	---	---	---	---	---	---	---	---	---
MW6E	08/10/93	---	15.23	14.13	1.10	No	---	1,700	---	---	---	130	2.7	23	140	---
MW6E	09/21/93	---	15.23	14.20	1.03	No	---	---	---	---	---	---	---	---	---	---
MW6E	10/27/93	---	15.23	14.34	0.89	No	---	100	---	---	---	6.0	<0.5	<0.5	<0.5	---
MW6E	11/23/93	---	15.23	13.97	1.26	No	---	---	---	---	---	---	---	---	---	---
MW6E	12/17/93	---	15.23	13.08	2.15	No	---	---	---	---	---	---	---	---	---	---
MW6E	02/16/94	---	15.23	13.34	1.89	No	---	640	---	---	---	45	<0.5	12	15	---
MW6E	05/31/94	---	15.23	13.82	1.41	No	---	52	---	---	---	1.5	0.97	<0.5	<0.5	---
MW6E	08/30/94	---	17.63j	14.32	3.31	No	---	920	---	---	---	22	0.98	5.2	33	---
MW6E	11/11/94	---	17.63j	13.92	3.71	No	---	910	---	---	---	13	2.4	13	2.5	---
MW6E	02/27/95	---	17.63j	12.96	4.67	No	---	<50	---	---	---	1.9	1.3	<0.5	0.83	---
MW6E	05/30/95	---	17.63j	13.20	4.43	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	08/30/95	---	17.63j	13.85	3.78	No	---	1,500	---	11	---	91	2.3	56	59	---
MW6E	11/26/96	---	17.63j	12.94	4.69	No	---	<50	---	<30	---	1.1	<0.5	<0.5	<0.5	---
MW6E	02/27/97	---	17.63j	12.28	5.35	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	05/21/97	---	17.63j	13.60	4.03	No	---	160	---	<5	---	10	1.4	5.5	4.8	---
MW6E	08/18/97	---	17.63j	13.75	3.88	No	---	66	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	03/13/98	---	17.63j	11.36	6.27	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	04/20/98	---	17.63j	11.88	5.75	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	07/21/98	---	21.58	13.10	8.48	No	---	1,200	---	<10	---	81	3.1	28	77	---
MW6E	10/06/98	---	21.58	13.55	8.03	No	---	<50	---	6.6	---	1.4	0.51	<0.5	0.97	---
MW6E	01/11/99	---	21.58	13.40	8.18	No	---	<50	---	5.1	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	04/08/99	---	21.58	12.04	9.54	No	---	<50	---	4.7	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	07/19/99	---	21.58	11.59	9.99	No	---	---	---	---	---	---	---	---	---	---
MW6E	07/27/99	---	21.58	13.65	7.93	No	---	---	---	---	---	---	---	---	---	---
MW6E	10/25/99	---	21.58	13.52	8.06	No	---	<50	---	2.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	01/27/00	---	21.58	11.71	9.87	No	---	<50	---	2.3	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	04/03/00	---	21.58	12.11	9.47	No	---	<50	---	<2	---	0.51	<0.5	<0.5	<0.5	---
MW6E	07/05/00	---	21.58	12.91	8.67	No	---	<50	---	<2	---	3.7	<0.5	<0.5	<0.5	---
MW6E	10/04/00	---	21.58	13.35	8.23	No	---	<50	---	<2	---	4.1	<0.5	<0.5	<0.5	---
MW6E	10/05/00	---	21.58	---	---	---	---	---	<1,000	---	---	---	---	---	---	---
MW6E	01/04/01	---	21.58	13.09	8.49	No	---	61	---	<2	---	11	<0.5	<0.5	<0.5	---
MW6E	04/03/01	---	21.58	12.39	9.19	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	07/05/01	---	21.58	13.21	8.37	No	---	210	---	<2	---	80	<0.5	0.94	2.3	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6E	10/03/01	---	21.58	13.30	8.28	No	---	<50	---	<2	---	2.8	<0.5	<0.5	<0.5	---
MW6E	Oct-01	---	21.24	Well surveyed in compliance with AB 2886 requirements.												
MW6E	01/02/02	---	21.24	10.11	11.13	No	---	<100	---	<0.5	---	<0.50	<0.50	<0.50	<0.50	---
MW6E	04/02/02	---	21.24	12.11	9.13	No	---	<50.0	<100	0.70	---	<0.50	<0.50	<0.50	<0.50	---
MW6E	07/01/02	---	21.24	12.46	8.78	No	---	56.0	<100a	<0.5	---	19.9	<0.5	<0.5	<0.5	---
MW6E	10/02/02	---	21.24	13.48	7.76	No	---	<50.0	<100	0.8	---	0.5	<0.5	<0.5	<0.5	---
MW6E	01/07/03	---	21.24	11.81	9.43	No	---	<50.0	<50	<0.5	<0.50	0.5	<0.5	<0.5	<0.5	---
MW6E	06/17/03	---	21.24	12.72	8.52	No	---	<50.0	153	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6E	07/16/03	---	21.24	12.92	8.32	No	---	<50.0	<100	<0.5	<0.50	4.50	<0.5	<0.5	<0.5	---
MW6E	10/07/03	---	21.24	13.34	7.90	No	<50	<50.0	<100	0.9	0.60	2.50	<0.5	<0.5	<0.5	---
MW6E	01/14/04	---	21.24	11.92	9.32	No	<50	<50.0	<100	<0.5	<0.50	0.50	<0.5	<0.5	<0.5	---
MW6E	06/03/04	---	21.24	12.97	8.27	No	<50	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6E	08/12/04	---	21.24	c	c	c	<50c	<50.0c	<100c	---	<0.50c	4.30c	<0.5c	<0.5c	0.8c	---
MW6E	11/04/04	---	21.24	12.68	8.56	No	<50	<50.0	124	---	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6E	02/01/05	---	21.24	11.75	9.49	No	<100	<50.0	<100	---	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6E	05/03/05	---	21.24	11.93	9.31	No	64d	<50.0	116	---	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6E	08/04/05	---	21.24	12.92	8.32	No	96.2d	87.9	122	---	<0.500	14.1	<0.500	<0.500	0.792	---
MW6E	10/27/05	---	21.24	13.24	8.00	No	<50.0	<50.0	<50.0	---	<0.500	<0.50	0.91f	<0.50	1.22	---
MW6E	01/26/06	---	21.24	11.78	9.46	No	<50	<50	<500	---	<0.50	7.2	0.67	0.71	2.0	---
MW6E	04/28/06	---	21.24	11.27	9.97	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6E	07/05/06	---	21.24	12.67	8.57	No	149	<50.0	316	---	<0.500	<1.00	<1.00	<1.00	<3.00	---
MW6E	10/27/06	---	21.24	13.34	7.90	No	<47	<50.0	<470	---	<0.500	<0.50	0.81	<0.50	1.26	---
MW6E	01/19/07	---	21.24	12.66	8.58	No	<47	<50.0	<470	---	<0.500	2.33	<0.50	<0.50	<0.50	---
MW6E	04/24/07	---	21.24	12.00	9.24	No	82.2d	<50.0	76.7	---	<0.500	<0.50	<0.50	<0.50	<0.50	---
MW6E	07/24/07	---	21.24	13.02	8.22	No	70d	55	<470	---	<0.50	18	<0.50	<0.50	<0.50	---
MW6E	12/03/07	---	21.24	13.24	8.00	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6E	03/06/08	---	21.24	11.79	9.45	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6E	06/26/08	---	21.24	13.15	8.09	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6E	08/12/08	---	21.24	13.32	7.92	No	72.7d,m,n	<50.0	112m	---	<0.500	6.74	<0.50	<0.50	3.51	---
MW6E	10/23/08	---	21.24	13.52	7.72	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6E	03/25/09	---	21.24	11.66	9.58	No	<50	<50	<250	---	<0.50	0.82	<0.50	<0.50	1.1o	---
MW6E	06/17/09	---	21.24	12.68	8.56	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6E	06/17/09	---	21.24	---	---	---	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6E	09/04/09	---	21.24	13.20	8.04	No	58d	79	<250	---	<0.50	8.1	<0.50	<0.50	<1.0	---
MW6E	03/09/10	---	21.24	10.86	10.38	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6E	09/17/10	---	21.24	13.13	8.11	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6E	02/15/11	---	21.24	11.84	9.40	No	<50	<50	<250	---	<0.50	1.3	<0.50	<0.50	<1.0	---
MW6E	08/23/11	---	21.24	12.73	8.51	No	<50	<50	<250	---	<0.50	8.9	<0.50	<0.50	<1.0	---
MW6E	02/09/12	---	21.24	12.38	8.86	No	<50	57d	<250	---	<0.50	9.2	<0.50	<0.50	<1.0	---
MW6E	07/24/12	---	21.24	13.84	7.40	No	<50	<50	<250	---	<0.50	3.1	<0.50	<0.50	<1.0	335
MW6E	**03/08/13**	**---**	**21.24**	**12.19**	**9.05**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6E	**03/11/13**	**---**	**21.24**	**---**	**---**	**---**	**52d**	**120d**	**<250**	**---**	**<0.50**	**23**	**<0.50**	**<0.50**	**<0.50**	**---**

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6F	10/05/88	---	99.91i	Well installed.												
MW6F	10/25/88	---	99.91i	---	---	---	---	ND	---	---	---	<0.5	<1	<2	2.4	---
MW6F	12/15/88	---	99.91i	14.48	85.43i	---	---	---	---	---	---	---	---	---	---	---
MW6F	09/07/89	---	99.91i	---	---	---	---	ND	---	---	---	ND	ND	ND	ND	---
MW6F	04/30/90	---	99.91i	14.14	85.77i	---	---	ND	---	---	---	ND	ND	ND	ND	---
MW6F	10/16/90	---	99.91i	14.77	85.14i	---	---	---	---	---	---	---	---	---	---	---
MW6F	12/06/90	---	99.91i	14.81	85.10i	---	---	---	---	---	---	---	---	---	---	---
MW6F	01/14/91	---	99.91i	14.73	85.18i	---	---	---	---	---	---	---	---	---	---	---
MW6F	02/08/91	---	99.91i	13.73	86.18ii	---	---	---	---	---	---	---	---	---	---	---
MW6F	04/02/91	---	99.91i	12.38	87.53i	---	---	---	---	---	---	---	---	---	---	---
MW6F	05/07/91	---	99.91i	13.67	86.24i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6F	05/31/91	---	99.91i	14.43	85.48i	---	---	---	---	---	---	---	---	---	---	---
MW6F	06/26/91	---	99.91i	14.81	85.10i	---	---	---	---	---	---	---	---	---	---	---
MW6F	08/05/91	---	99.91i	14.96	84.95i	---	---	---	---	---	---	---	---	---	---	---
MW6F	08/14/91	---	99.91i	14.87	85.04i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6F	09/11/91	---	99.91i	15.11	84.80i	---	---	---	---	---	---	---	---	---	---	---
MW6F	10/16/91	---	99.91i	15.16	84.75i	---	---	---	---	---	---	---	---	---	---	---
MW6F	12/30/91	---	99.91i	13.78	86.13i	---	---	---	---	---	---	---	---	---	---	---
MW6F	12/31/91	---	99.91i	---	---	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6F	02/25/92	---	99.91i	12.68	87.23i	---	---	---	---	---	---	---	---	---	---	---
MW6F	03/25/92	---	99.91i	11.93	87.98i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6F	06/16/92	---	16.46	14.34	2.12	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6F	09/08/92	---	16.46	14.75	1.71	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	11/05/92	---	16.46	14.35	2.11	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	12/14/92	---	16.46	12.90	3.56	No	---	---	---	---	---	---	---	---	---	---
MW6F	01/28/93	---	16.46	11.60	4.86	No	---	---	---	---	---	---	---	---	---	---
MW6F	02/11/93	---	16.46	12.25	4.21	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	03/09/93	---	16.46	12.50	3.96	No	---	---	---	---	---	---	---	---	---	---
MW6F	04/14/93	---	16.46	12.71	3.75	No	---	---	---	---	---	---	---	---	---	---
MW6F	05/11/93	---	16.46	13.63	2.83	No	---	<50	---	---	---	---	---	---	---	---
MW6F	06/17/93	---	16.46	14.02	2.44	No	---	---	---	---	---	---	---	---	---	---
MW6F	07/26/93	---	16.46	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6F	08/10/93	---	16.46	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6F	09/21/93	---	16.46	14.80	1.66	No	---	---	---	---	---	---	---	---	---	---
MW6F	10/27/93	---	16.46	14.85	1.61	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	11/23/93	---	16.46	Well inaccessible.												
MW6F	12/17/93	---	16.46	13.86	2.60	No	---	---	---	---	---	---	---	---	---	---
MW6F	02/16/94	---	16.46	13.08	3.38	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	05/31/94	---	16.46	14.06	2.40	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	08/30/94	---	18.58j	14.84	3.74	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	11/11/94	---	18.58j	12.60	5.98	No	---	<50	---	---	---	<0.5	0.54	<0.5	<0.5	---
MW6F	02/27/95	---	18.58j	12.75	5.83	No	---	<50	---	---	---	6.2	3.0	0.82	3.5	---
MW6F	05/30/95	---	18.58j	13.16	5.42	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6F	08/30/95	---	18.58j	14.31	4.27	No	---	<50	---	<10	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	11/26/96	---	18.58j	13.29	5.29	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	02/27/97	---	18.58j	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6F	05/21/97	---	18.58j	14.18	4.40	No	---	---	---	---	---	---	---	---	---	---
MW6F	08/18/97	---	18.58j	14.69	3.89	No	---	---	---	---	---	---	---	---	---	---
MW6F	03/13/98	---	18.58j	10.93	7.65	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	04/20/98	---	18.58j	11.77	6.81	No	---	---	---	---	---	---	---	---	---	---
MW6F	07/21/98	---	22.51	13.62	8.89	No	---	---	---	---	---	---	---	---	---	---
MW6F	10/06/98	---	22.51	13.52	8.99	No	---	---	---	---	---	---	---	---	---	---
MW6F	01/11/99	---	22.51	14.06	8.45	No	---	---	---	---	---	---	---	---	---	---
MW6F	04/08/99	---	22.51	11.86	10.65	No	---	---	---	---	---	---	---	---	---	---
MW6F	07/19/99	---	22.51	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6F	07/27/99	---	22.51	Well inaccessible.			---	---	---	---	---	---	---	---	---	---
MW6F	10/25/99	---	22.51	12.63	9.88	No	---	---	---	---	---	---	---	---	---	---
MW6F	01/27/00	---	22.51	12.23	10.28	No	---	---	---	---	---	---	---	---	---	---
MW6F	04/03/00	---	22.51	12.11	10.40	No	---	---	---	---	---	---	---	---	---	---
MW6F	07/05/00	---	22.51	13.38	9.13	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	10/04/00	---	22.51	14.02	8.49	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	0.7	---
MW6F	10/05/00	---	22.51	---	---	---	---	---	<1,000	---	---	---	---	---	---	---
MW6F	01/04/01	---	22.51	13.69	8.82	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	04/03/01	---	22.51	12.55	9.96	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	07/05/01	---	22.51	13.74	8.77	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	10/03/01	---	22.51	13.82	8.69	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	Oct-01	---	22.17	Well surveyed in compliance with AB 2886 requirements.												
MW6F	01/02/02	---	22.17	9.16	13.01	No	---	<100	---	<0.5	---	<0.50	<0.50	<0.50	<0.50	---
MW6F	04/02/02	---	22.17	12.14	10.03	No	---	<50.0	<100	<0.50	---	<0.50	<0.50	<0.50	<0.50	---
MW6F	07/01/02	---	22.17	13.46	8.71	No	---	<50	<100a	<0.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	10/02/02	---	22.17	14.19	7.98	No	---	<50.0	<100	<0.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	01/07/03	---	22.17	11.73	10.44	No	---	<50.0	<50	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5	---
MW6F	06/17/03	---	22.17	13.13	9.04	No	---	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6F	07/16/03	---	22.17	13.51	8.66	No	---	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6F	10/07/03	---	22.17	14.05	8.12	No	<50	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6F	01/14/04	---	22.17	11.90	10.27	No	<50	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6F	06/03/04	---	22.17	13.45	8.72	No	<50	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6F	08/12/04	---	22.17	c	c	c	52c	<50.0c	<100c	---	<0.50c	<0.50c	<0.5c	<0.5c	<0.5c	---
MW6F	11/04/04	---	22.17	13.03	9.14	No	<50	<50.0	109	---	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6F	02/01/05	---	22.17	11.56	10.61	No	<100	<50.0	<100	---	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6F	05/03/05	---	22.17	11.92	10.25	No	<50	<50.0	<100	---	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6F	08/04/05	---	22.17	13.42	8.75	No	<50.0	<50.0	<100	---	<0.500	<0.500	<0.500	<0.500	<0.500	---
MW6F	10/27/05	---	22.17	13.88	8.29	No	<50.0	<50.0	<50.0	---	<0.500	<0.50	0.93f	<0.50	<0.50	---
MW6F	01/26/06	---	22.17	11.83	10.34	No	<50	<50	<500	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6F	04/28/06	---	22.17	10.96	11.21	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6F	07/05/06	---	22.17	13.05	9.12	No	<47.6	<50.0	<95.2	---	<0.500	<1.00	<1.00	<1.00	<3.00	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6F	10/27/06	---	22.17	14.06	8.11	No	<47	<50.0	<470	---	<0.500	<0.50	<0.50	<0.50	<0.50	---
MW6F	01/19/07	---	22.17	13.06	9.11	No	<47	<50.0	<470	---	<0.500	<0.50	<0.50	<0.50	<0.50	---
MW6F	04/24/07	---	22.17	12.01	10.16	No	103d	<50.0	93.5	---	<0.500	<0.50	<0.50	<0.50	<0.50	---
MW6F	07/24/07	---	22.17	13.61	8.56	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6F	12/03/07	---	22.17	13.80	8.37	No	---	---	---	---	---	---	---	---	---	---
MW6F	03/06/08	---	22.17	11.77	10.40	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6F	06/26/08	---	22.17	13.74	8.43	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6F	08/12/08	---	22.17	14.00	8.17	No	<47.6m,n	<50.0	75.5m	---	<0.500	<0.50	<0.50	<0.50	<0.50	---
MW6F	10/23/08	---	22.17	14.28	7.89	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	03/25/09	---	22.17	11.64	10.53	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	06/17/09	---	22.17	---	---	---	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	06/17/09	---	22.17	13.13	9.04	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	09/04/09	---	22.17	13.85	8.32	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	03/09/10	---	22.17	10.64	11.53	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	09/17/10	---	22.17	13.81	8.36	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	02/15/11	---	22.17	12.17	10.00	No	<50	<50	<250	---	<0.50	0.59	<0.50	<0.50	<1.0	---
MW6F	08/23/11	---	22.17	13.17	9.00	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	02/09/12	---	22.17	12.82	9.35	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	07/24/12	---	22.17	13.49	8.68	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	225
MW6F	**03/08/13**	**---**	**22.17**	**12.54**	**9.63**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6F	**03/11/13**	**---**	**22.17**	**---**	**---**	**---**	**<50**	**<50**	**<250**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---**
MW6G	11/16/88	---	99.16i	Well installed.												
MW6G	12/07/88	---	99.16i	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6G	12/15/88	---	99.16i	12.22	86.94i	---	---	ND	---	---	---	<0.5	<1	<2	<1	---
MW6G	09/07/89	---	99.16i	---	---	---	---	ND	---	---	---	ND	ND	ND	ND	---
MW6G	04/30/90	---	99.16i	11.73	87.43i	---	---	ND	---	---	---	ND	ND	ND	ND	---
MW6G	10/16/90	---	99.16i	12.28	86.88i	---	---	---	---	---	---	---	---	---	---	---
MW6G	12/06/90	---	99.16i	12.27	86.89i	---	---	---	---	---	---	---	---	---	---	---
MW6G	01/14/91	---	99.16i	12.14	87.02i	---	---	---	---	---	---	---	---	---	---	---
MW6G	02/08/91	---	99.16i	11.44	87.72i	---	---	---	---	---	---	---	---	---	---	---
MW6G	04/02/91	---	99.16i	10.03	89.13i	---	---	---	---	---	---	---	---	---	---	---
MW6G	05/07/91	---	99.16i	11.00	88.16i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6G	05/31/91	---	99.16i	11.75	87.41i	---	---	---	---	---	---	---	---	---	---	---
MW6G	06/26/91	---	99.16i	12.91	86.25i	---	---	---	---	---	---	---	---	---	---	---
MW6G	08/05/91	---	99.16i	12.43	86.73i	---	---	---	---	---	---	---	---	---	---	---
MW6G	08/14/91	---	99.16i	12.43	86.73i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6G	09/11/91	---	99.16i	12.48	86.68i	---	---	---	---	---	---	---	---	---	---	---
MW6G	10/16/91	---	99.16i	12.64	86.52i	---	---	---	---	---	---	---	---	---	---	---
MW6G	12/30/91	---	99.16i	11.80	87.36i	---	---	---	---	---	---	---	---	---	---	---
MW6G	12/31/91	---	99.16i	---	---	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6G	02/25/92	---	99.91i	10.32	88.84i	---	---	---	---	---	---	---	---	---	---	---
MW6G	03/25/92	---	99.91i	9.93	89.23i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6G	06/16/92	---	14.71	11.88	2.83	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6G	09/08/92	---	14.71	12.20	2.51	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	11/05/92	---	14.71	12.02	2.69	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	12/14/92	---	14.71	10.95	3.76	No	---	---	---	---	---	---	---	---	---	---
MW6G	01/28/93	---	14.71	9.56	5.15	No	---	---	---	---	---	---	---	---	---	---
MW6G	02/11/93	---	14.71	10.04	4.67	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	03/09/93	---	14.71	10.10	4.61	No	---	---	---	---	---	---	---	---	---	---
MW6G	04/14/93	---	14.71	10.43	4.28	No	---	---	---	---	---	---	---	---	---	---
MW6G	05/11/93	---	14.71	11.05	3.66	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	06/17/93	---	14.71	11.49	3.22	No	---	---	---	---	---	---	---	---	---	---
MW6G	07/26/93	---	14.71	11.98	2.73	No	---	---	---	---	---	---	---	---	---	---
MW6G	08/10/93	---	14.71	12.17	2.54	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	09/21/93	---	14.71	12.42	2.29	No	---	---	---	---	---	---	---	---	---	---
MW6G	10/27/93	---	14.71	13.47	1.24	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	11/23/93	---	14.71	12.48	2.23	No	---	---	---	---	---	---	---	---	---	---
MW6G	12/17/93	---	14.71	11.19	3.52	No	---	---	---	---	---	---	---	---	---	---
MW6G	02/16/94	---	14.71	10.62	4.09	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	05/31/94	---	14.71	11.40	3.31	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	08/30/94	---	16.82j	12.32	4.50	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	11/11/94	---	16.82j	11.06	5.76	No	---	58	---	---	---	0.58	1.6	<0.5	1.6	---
MW6G	02/27/95	---	16.82j	10.32	6.50	No	---	<50	---	---	---	0.86	0.99	<0.5	0.51	---
MW6G	05/30/95	---	16.82j	10.77	6.05	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	08/30/95	---	16.82j	11.92	4.90	No	---	<50	---	<10	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	11/26/96	---	16.82j	11.12	5.70	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	02/27/97	---	16.82j	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6G	05/21/97	---	16.82j	11.76	5.06	No	---	---	---	---	---	---	---	---	---	---
MW6G	08/18/97	---	16.82j	12.23	4.59	No	---	---	---	---	---	---	---	---	---	---
MW6G	03/13/98	---	16.82j	9.13	7.69	No	---	<50	---	4.4	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	04/20/98	---	16.82j	9.73	7.09	No	---	---	---	---	---	---	---	---	---	---
MW6G	07/21/98	---	20.72	11.15	9.57	No	---	---	---	---	---	---	---	---	---	---
MW6G	10/06/98	---	20.72	11.91	8.81	No	---	---	---	---	---	---	---	---	---	---
MW6G	01/11/99	---	20.72	12.00	8.72	No	---	---	---	---	---	---	---	---	---	---
MW6G	04/08/99	---	20.72	10.04	10.68	No	---	---	---	---	---	---	---	---	---	---
MW6G	07/19/99	---	20.72	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6G	07/27/99	---	20.72	11.75	8.97	No	---	---	---	---	---	---	---	---	---	---
MW6G	10/25/99	---	20.72	11.76	8.96	No	---	---	---	---	---	---	---	---	---	---
MW6G	01/27/00	---	20.72	11.46	9.26	No	---	---	---	---	---	---	---	---	---	---
MW6G	04/03/00	---	20.72	10.00	10.72	No	---	--	---	---	---	---	---	---	---	---
MW6G	07/05/00	---	20.72	11.24	9.48	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	10/04/00	---	20.72	11.88	8.84	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	10/05/00	---	20.72	---	---	---	---	---	<1,000	---	---	---	---	---	---	---
MW6G	01/04/01	---	20.72	11.56	9.16	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	04/03/01	---	20.72	10.45	10.27	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---

TABLE 1A
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Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6G	07/05/01	---	20.72	11.51	9.21	No	---	<50	---	<2	---	0.75	<0.5	<0.5	<0.5	---
MW6G	10/03/01	---	20.72	11.63	9.09	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	Oct-01	---	20.46	Well surveyed in compliance with AB 2886 requirements.												
MW6G	01/02/02	---	20.46	9.15	11.31	No	---	<100	---	1.8	---	<0.50	<0.50	<0.50	<0.50	---
MW6G	04/02/02	---	20.46	10.19	10.27	No	---	<50.0	<100	1.10	---	<0.50	<0.50	<0.50	<0.50	---
MW6G	07/01/02	---	20.46	11.35	9.11	No	---	<50	<100a	1.3	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	10/02/02	---	20.46	11.99	8.47	No	---	<50.0	<100	0.7	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	01/07/03	---	20.46	9.97	10.49	No	---	<50.0	<50	1.3	2.0	<0.5	<0.5	<0.5	<0.5	---
MW6G	06/17/03	---	20.46	10.98	9.48	No	---	<50.0	<100	1.5	1.6	<0.50	<0.5	<0.5	<0.5	---
MW6G	07/16/03	---	20.46	11.37	9.09	No	---	<50.0	<100	1.2	0.9	<0.50	<0.5	<0.5	<0.5	---
MW6G	10/07/03	---	20.46	11.90	8.56	No	<50	<50.0	<100	0.8	0.80	<0.50	<0.5	<0.5	<0.5	---
MW6G	01/14/04	---	20.46	10.10	10.36	No	<50	<50.0	<100	1.0	1.40	<0.50	<0.5	<0.5	<0.5	---
MW6G	06/03/04	---	20.46	11.10	9.36	No	<50	<50.0	<100	1.40	1.4	<0.50	<0.5	<0.5	<0.5	---
MW6G	08/12/04	---	20.46	c	c	c	99c	<50.0c	101c	---	1.10c	<0.50c	<0.5c	<0.5c	<0.5c	---
MW6G	11/04/04	---	20.46	11.18	9.28	No	<50	<50.0	<100	---	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6G	02/01/05	---	20.46	9.79	10.67	No	<100	<50.0	<100	---	3.40	<0.50	<0.5	<0.5	<0.5	---
MW6G	05/03/05	---	20.46	9.95	10.51	No	<50	<50.0	<100	---	1.40	<0.50	<0.5	<0.5	<0.5	---
MW6G	08/04/05	---	20.46	11.22	9.24	No	<50.0	<50.0	<100	---	1.42	<0.500	<0.500	<0.500	<0.500	---
MW6G	10/27/05	---	20.46	11.76	8.70	No	<50.0	<50.0	61.3	---	0.810	<0.50	0.93f	<0.50	<0.50	---
MW6G	01/26/06	---	20.46	11.07	9.39	No	<50	<50	<500	---	1.8	<0.50	<0.50	<0.50	<0.50	---
MW6G	04/28/06	---	20.46	9.11	11.35	No	<47	<50	<470	---	2.8	<0.50	<0.50	<0.50	<0.50	---
MW6G	07/05/06	---	20.46	10.70	9.76	No	88.6	<50.0	277	---	2.49	<1.00	<1.00	<1.00	<3.00	---
MW6G	10/27/06	---	20.46	11.75	8.71	No	<47	61.9	<470	---	1.40	<0.50	<0.50	<0.50	<0.50	---
MW6G	01/19/07	---	20.46	10.94	9.52	No	<47	<50.0	<470	---	1.34	<0.50	<0.50	<0.50	<0.50	---
MW6G	04/24/07	---	20.46	10.40	10.06	No	<47.6	<50.0	<47.6	---	2.17	<0.50	<0.50	<0.50	<0.50	---
MW6G	07/24/07	---	20.46	11.49	8.97	No	<47	<50	<470	---	1.3	<0.50	<0.50	<0.50	<0.50	---
MW6G	12/03/07	---	20.46	11.60	8.86	No	<47	<50	<470	---	0.88	<0.50	<0.50	<0.50	<0.50	---
MW6G	03/06/08	---	20.46	9.79	10.67	No	<47	<50	<470	---	2.0	<0.50	<0.50	<0.50	<0.50	---
MW6G	06/26/08	---	20.46	11.43	9.03	No	<47	<50	<470	---	1.6	<0.50	<0.50	<0.50	<0.50	---
MW6G	08/12/08	---	20.46	11.94	8.52	No	99.1d,m,n	<50.0	135m	---	1.35	<0.50	<0.50	<0.50	<0.50	---
MW6G	10/23/08	---	20.46	12.34	8.12	No	<50	<50	<250	---	1.4	<0.50	<0.50	<0.50	<1.0	---
MW6G	03/25/09	---	20.46	9.93	10.53	No	<50	<50	<250	---	1.3	<0.50	<0.50	<0.50	<1.0	---
MW6G	06/17/09	---	20.46	11.11	9.35	No	<50	<50	<250	---	1.6	<0.50	<0.50	<0.50	<1.0	---
MW6G	06/17/09	---	20.46	---	---	---	<50	<50	<250	---	1.6	<0.50	<0.50	<0.50	<1.0	---
MW6G	09/04/09	---	20.46	11.85	8.61	No	<50	<50	<250	---	1.5	<0.50	<0.50	<0.50	<1.0	---
MW6G	03/09/10	---	20.46	8.94	11.52	No	<50	<50	<250	---	2.0	<0.50	<0.50	<0.50	<1.0	---
MW6G	09/17/10	---	20.46	11.64	8.82	No	<50	<50	<250	---	1.1	<0.50	<0.50	<0.50	<1.0	---
MW6G	02/15/11	---	20.46	10.51	9.95	No	<50	<50	<250	---	1.2	<0.50	<0.50	<0.50	<1.0	---
MW6G	08/23/11	---	20.46	10.98	9.48	No	<50	<50	<250	---	1.9	<0.50	<0.50	<0.50	<1.0	---
MW6G	02/09/12	---	20.46	10.91	9.55	No	<50	<50	<250	---	1.6	<0.50	<0.50	<0.50	<1.0	---
MW6G	07/24/12	---	20.46	11.39	9.07	No	<50	<50	<250	---	1.5	<0.50	<0.50	<0.50	<1.0	510
MW6G	**03/08/13**	**---**	**20.46**	**10.62**	**9.84**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6G	**03/11/13**	**---**	**20.46**	**---**	**---**	**---**	**<50**	**<50**	**<250**	**---**	**0.91**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---**

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6H	11/16/88	---	Well installed.													
MW6H	12/07/88	---	97.93i	---	---	---	---	---	---	---	---	1,200	320	110	220	---
MW6H	12/15/88	---	97.93i	12.36	85.57i	---	---	---	---	---	---	---	---	---	---	---
MW6H	09/07/89	---	97.93i	---	---	---	---	660	---	---	---	480	<10	16	<15	---
MW6H	04/30/90	---	97.93i	12.10	85.83i	---	---	630	---	---	---	700	39	31	50	---
MW6H	10/16/90	---	97.93i	12.18	85.75i	---	---	---	---	---	---	---	---	---	---	---
MW6H	12/06/90	---	97.93i	12.29	85.64i	---	---	---	---	---	---	---	---	---	---	---
MW6H	01/14/91	---	97.93i	12.22	85.71i	---	---	---	---	---	---	---	---	---	---	---
MW6H	02/08/91	---	97.93i	11.93	86.00i	---	---	---	---	---	---	---	---	---	---	---
MW6H	04/02/91	---	97.93i	11.59	86.34i	---	---	---	---	---	---	---	---	---	---	---
MW6H	05/07/91	---	97.93i	12.24	85.69i	---	---	570	---	---	---	95	14	15	21	---
MW6H	05/31/91	---	97.93i	12.22	85.71i	---	---	---	---	---	---	---	---	---	---	---
MW6H	06/26/91	---	97.93i	14.34	83.59i	---	---	---	---	---	---	---	---	---	---	---
MW6H	08/05/91	---	97.93i	12.62	85.31i	---	---	---	---	---	---	---	---	---	---	---
MW6H	08/14/91	---	97.93i	12.43	85.50i	---	---	540	---	---	---	52	9.9	11	18	---
MW6H	09/11/91	---	97.93i	12.83	85.10i	---	---	---	---	---	---	---	---	---	---	---
MW6H	10/16/91	---	97.93i	12.71	85.22i	---	---	---	---	---	---	---	---	---	---	---
MW6H	12/30/91	---	97.93i	12.16	85.77i	---	---	---	---	---	---	---	---	---	---	---
MW6H	12/31/91	---	97.93i	---	---	---	---	790	---	---	---	52	28	22	42	---
MW6H	02/25/92	---	97.93i	12.17	85.76i	---	---	---	---	---	---	---	---	---	---	---
MW6H	03/25/92	---	97.93i	11.65	86.28i	---	---	920	---	---	---	170	52	25	54	---
MW6H	06/16/92	---	14.47	12.12	2.35	---	---	460	---	---	---	31	11	6.8	16	---
MW6H	09/08/92	---	14.47	12.30	2.17	No	---	780	---	---	---	69	23	17	18	---
MW6H	11/05/92	---	14.47	12.05	2.42	No	---	3,400	---	---	---	500	260	85	160	---
MW6H	12/14/92	---	14.47	11.65	2.82	No	---	---	---	---	---	---	---	---	---	---
MW6H	01/28/93	---	14.47	11.57	2.90	No	---	---	---	---	---	---	---	---	---	---
MW6H	02/11/93	---	14.47	12.22	2.25	No	---	2,500	---	---	---	410	170	28	130	---
MW6H	03/09/93	---	14.47	12.02	2.45	No	---	---	---	---	---	---	---	---	---	---
MW6H	04/14/93	---	14.47	12.02	2.45	No	---	---	---	---	---	---	---	---	---	---
MW6H	05/11/93	---	14.47	12.35	2.12	No	---	4,200	---	---	---	490	270	80	210	---
MW6H	06/17/93	---	14.47	12.22	2.25	No	---	---	---	---	---	---	---	---	---	---
MW6H	07/26/93	---	14.47	12.32	2.15	No	---	---	---	---	---	---	---	---	---	---
MW6H	08/10/93	---	14.47	12.30	2.17	No	---	650	---	---	---	83	22	14	29	---
MW6H	09/21/93	---	14.47	12.79	1.68	No	---	---	---	---	---	---	---	---	---	---
MW6H	10/27/93	---	14.47	13.93	0.54	No	---	1,600	---	---	---	130	90	29	130	---
MW6H	11/23/93	---	14.47	12.46	2.01	No	---	---	---	---	---	---	---	---	---	---
MW6H	12/17/93	---	14.47	12.08	2.39	No	---	---	---	---	---	---	---	---	---	---
MW6H	02/16/94	---	14.47	12.31	2.16	No	---	<50	---	---	---	<0.5	<0.5	<0.5	2.9	---
MW6H	05/31/94	---	14.47	12.46	2.01	No	---	1,800	---	---	---	370	220	65	210	---
MW6H	08/30/94	---	16.58j	12.72	3.86	No	---	1,900	---	---	---	130	90	19	86	---
MW6H	11/11/94	---	16.58j	11.98	4.60	No	---	13,000	---	---	---	1,700	1,400	260	1,800	---
MW6H	02/27/95	---	16.58j	11.89	4.69	No	---	320	---	---	---	450	120	28	79	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6H	05/30/95	---	16.58j	12.05	4.53	No	---	2,300	---	---	---	960	260	64	200	---
MW6H	08/30/95	---	16.58j	12.34	4.24	No	---	2,100	---	50	---	590	35	24	74	---
MW6H	11/26/96	---	16.58j	11.87	4.71	No	---	1,200	---	<30	---	320	110	22	85	---
MW6H	02/27/97	---	16.58j	11.58	5.00	No	---	1,800	---	<200	---	760	31	8.4	44	---
MW6H	05/21/97	---	16.58j	12.23	4.35	No	---	1,100	---	81	---	640	18	5.4	45	---
MW6H	08/18/97	---	16.58j	12.29	4.29	No	---	870	---	26	---	200	3.6	2.4	7.4	---
MW6H	03/13/98	---	20.47	11.44	9.03	No	---	5,300	---	<125	---	1,900	720	100	470	---
MW6H	04/20/98	---	20.47	11.58	8.89	No	---	6,000	---	2,700	---	1,500	600	91	440	---
MW6H	07/21/98	---	20.47	11.97	8.50	No	---	2,200	---	1,600	---	740	44	15	63	---
MW6H	10/06/98	---	20.47	12.23	8.24	No	---	5,400	---	3,000	---	1,900	<25	<25	76	---
MW6H	01/11/99	---	20.47	12.17	8.30	No	---	2,600	---	4,300	---	1,200	<12	<12	20	---
MW6H	04/08/99	---	20.47	11.56	8.91	No	---	13,000	---	13,000	---	3,400	1,300	260	1,200	---
MW6H	07/19/99	---	20.47	11.71	8.76	No	---	<2,000	---	6,920	8,520	732	<20	<20	<20	---
MW6H	07/27/99	---	20.47	12.39	8.08	No	---	---	---	---	---	---	---	---	---	---
MW6H	10/25/99	---	20.47	12.16	8.31	No	---	700	---	4,000	---	360	1.1	0.68	2	---
MW6H	01/27/00	---	20.47	11.60	8.87	No	---	9,100	---	7,600	---	2,400	840	150	670	---
MW6H	04/03/00	---	20.47	11.62	8.85	No	---	12,000	---	8,800	---	2,800	1,100	230	1,020	---
MW6H	07/05/00	---	20.47	11.93	8.54	No	---	12,000	---	8,000	---	1,200	56	13	92	---
MW6H	10/04/00	---	20.47	12.16	8.31	No	---	4,400	---	8,400	---	1,500	23	12	80.6	---
MW6H	10/05/00	---	20.47	---	---	---	---	---	<1,000	---	---	---	---	---	---	---
MW6H	01/04/01	---	20.47	12.03	8.44	No	---	2,300	---	3,800	---	880	15	6.4	33.9	---
MW6H	04/03/01	---	20.47	11.73	8.74	No	---	7,800	---	5,100	---	2,000	730	140	590	---
MW6H	07/05/01	---	20.47	11.98	8.49	No	---	2,300	---	3,200	---	630	25	10	40.8	---
MW6H	10/03/01	---	20.47	12.1	8.37	No	---	1,400	---	550	---	270	5.6	4.2	11.6	---
MW6H	Oct-01	---	20.20	Well surveyed in compliance with AB 2886 requirements.												
MW6H	01/02/02	---	20.20	11.14	9.06	No	---	47,100	---	4,260	---	7,880	5,220	1,060	4,460	---
MW6H	04/02/02	---	20.20	11.68	8.52	No	---	17,500	<500	1,590	---	2,280	1,290	282	1,090	---
MW6H	07/01/02	---	20.20	11.97	8.23	No	---	5,370	<100a	1,910	---	1,170	200	44.0	158	---
MW6H	10/02/02	---	20.20	12.20	8.00	No	---	2,570	<100	899	---	655	13.0	8.0	25.0	---
MW6H	01/07/03	---	20.20	11.58	8.62	No	---	12,500	<50	1,700	2,500	2,480	1,340	250	1,120	---
MW6H	06/17/03	---	20.20	11.82	8.38	No	---	6,330	<100	1,490	1,660	604	104	44.0	152	---
MW6H	07/16/03	---	20.20	12.89	7.31	No	---	3,170	<100	1,270	1,170	614	20.0	9.5	31.8	---
MW6H	10/07/03	---	20.20	12.10	8.10	No	---	2,090	<100	612	640	433	11.6	6.7	22.5	---
MW6H	01/14/04	---	20.20	11.55	8.65	No	390	6,320	<100	59.0	1,250	1,340	517	117	515	---
MW6H	06/03/04	---	20.20	11.92	8.28	No	---	3,330	<100	604	632	546	128	38.4	140	---
MW6H	08/12/04	---	20.20	c	c	c	174c	1,920c	<100c	---	426c	330c	17.9c	9.3c	35.3c	---
MW6H	11/04/04	---	20.20	11.86	8.34	No	578	8,090	552	---	442	1,280	620	185	822	---
MW6H	02/01/05	---	20.20	11.55	8.65	No	616	9,500	193	---	335	1,360	764	214	844	---
MW6H	05/03/05	---	20.20	11.54	8.66	No	560d	9,120	168	---	323	1,320	886	245	928	---
MW6H	08/04/05	---	20.20	11.89	8.31	No	269d	1,810	143	---	268	349	57.0	20.1	70.0	---
MW6H	10/27/05	---	20.20	12.10	8.10	No	228	942	98.5	---	164	154	23.1f	6.09	23.2	---
MW6H	01/26/06	---	20.20	11.54	8.66	No	910d	20,000	<500	---	270	3,200	3,400	660	3,100	---
MW6H	04/28/06	---	20.20	11.29	8.91	No	550d	11,000	<470	---	160	2,000	1,500	380	1,600	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6H	07/05/06	---	20.20	11.90	8.30	No	273	2,360	114	---	82.9	389	111	39.5	125	---
MW6H	10/27/06	---	20.20	12.08	8.12	No	120d	1,460	<470	---	69.4	215	27.9	16.2	43.4	---
MW6H	01/19/07	---	20.20	11.81	8.39	No	290d	4,950	<470	---	77.5	831	638	129	451	---
MW6H	04/24/07	---	20.20	11.52	8.68	No	997d	13,800	140	---	90.5	1,330	1,420	357	1,360	---
MW6H	07/24/07	---	20.20	11.90	8.30	No	150d	1,600	<470	---	56	300	110	29	100	---
MW6H	12/03/07	---	20.20	12.03	8.17	No	140d,l	1,800	<470	---	51	420	14	8.3	33	---
MW6H	03/06/08	---	20.20	11.81	8.39	No	280d	4,400	<470	---	48	630	540	130	460	---
MW6H	06/26/08	---	20.20	12.41	7.79	No	320d	3,700	<470	---	40	930	100	130	550	---
MW6H	08/12/08	---	20.20	12.40	7.80	No	740d,m,n	5,010	294m	---	29.8	684	354	114	466	---
MW6H	10/23/08	---	20.20	12.47	7.73	No	---	---	---	---	---	---	---	---	---	---
MW6H	10/30/08	---	20.20	---	---	---	<50	2,100	<250	---	23	270	64	35	120	---
MW6H	03/25/09	---	20.20	11.41	8.79	No	770	14,000	<250	---	<50	2,000	1,700	620	2,300	---
MW6H	06/17/09	---	20.20	---	---	---	720	6000	<250	---	<50	2000	420	280	930	---
MW6H	06/17/09	---	20.20	11.82	8.38	No	720	6,000	<250	---	<50	2,000	420	280	930	---
MW6H	09/04/09	---	20.20	12.18	8.02	No	390d	3,700	<250	---	23	660	53	59	180	---
MW6H	03/09/10	---	20.20	10.72	9.48	No	4,400d	16,000	<250	---	26	2,600	1,400	830	2,800	---
MW6H	09/17/10	---	20.20	12.09	8.11	No	280d	2,200	<250	---	18	660	86	60	170	---
MW6H	02/15/11	---	20.20	11.28	8.92	No	740d	5,800d	<250	---	10	1,600	630	250	980	---
MW6H	08/23/11	---	20.20	11.56	8.64	No	780d	6,500	<250	---	16	1,600	200	150	380	---
MW6H	02/09/12	---	20.20	11.58	8.62	No	750d	7,300	<250	---	19s	1,200	520	280	770	---
MW6H	07/24/12	---	20.20	11.93	8.27	No	700d	6,400	<250	---	<20	1,600	500	320	960	485
MW6H	**03/08/13**	**---**	**20.20**	**11.36**	**8.84**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6H	**03/11/13**	**---**	**20.20**	**---**	**---**	**---**	**420d**	**3,900**	**<250**	**---**	**<20**	**610**	**140**	**82**	**290**	**---**
MW6I	11/17/88	---	Well installed.													
MW6I	12/07/88	---	97.60i	---	---	---	---	ND	---	---	---	<0.5	<1	<2	<1	---
MW6I	12/15/88	---	97.60i	12.83	84.77i	---	---	---	---	---	---	---	---	---	---	---
MW6I	09/07/89	---	97.60i	---	---	---	---	ND	---	---	---	ND	ND	ND	ND	---
MW6I	04/30/90	---	97.60i	12.66	84.94i	---	---	ND	---	---	---	ND	ND	ND	ND	---
MW6I	10/16/90	---	97.60i	12.71	84.89i	---	---	---	---	---	---	---	---	---	---	---
MW6I	12/06/90	---	97.60i	12.75	84.85i	---	---	---	---	---	---	---	---	---	---	---
MW6I	01/14/91	---	97.60i	12.55	85.05i	---	---	---	---	---	---	---	---	---	---	---
MW6I	02/08/91	---	97.60i	12.32	85.28i	---	---	---	---	---	---	---	---	---	---	---
MW6I	04/02/91	---	97.60i	12.22	85.38i	---	---	---	---	---	---	---	---	---	---	---
MW6I	05/07/91	---	97.60i	12.61	84.99i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6I	05/31/91	---	97.60i	12.82	84.78i	---	---	---	---	---	---	---	---	---	---	---
MW6I	06/26/91	---	97.60i	12.93	84.67i	---	---	---	---	---	---	---	---	---	---	---
MW6I	08/05/91	---	97.60i	13.01	84.59i	---	---	---	---	---	---	---	---	---	---	---
MW6I	08/14/91	---	97.60i	12.98	84.62i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6I	09/11/91	---	97.60i	13.11	84.49i	---	---	---	---	---	---	---	---	---	---	---
MW6I	10/16/91	---	97.60i	13.04	84.56i	---	---	---	---	---	---	---	---	---	---	---
MW6I	12/30/91	---	97.60i	12.72	84.88i	---	---	---	---	---	---	---	---	---	---	---
MW6I	12/31/91	---	97.60i	---	---	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---

TABLE 1A
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Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6I	02/25/92	---	97.60i	12.45	85.15i	---	---	---	---	---	---	---	---	---	---	---
MW6I	03/25/92	---	97.60i	12.12	85.48i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6I	06/16/92	---	14.14	12.75	1.39	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6I	09/08/92	---	14.14	12.84	1.30	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	11/05/92	---	14.14	12.75	1.39	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	12/14/92	---	14.14	12.40	1.74	No	---	---	---	---	---	---	---	---	---	---
MW6I	01/28/93	---	14.14	12.20	1.94	No	---	---	---	---	---	---	---	---	---	---
MW6I	02/11/93	---	14.14	12.40	1.74	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	03/09/93	---	14.14	12.45	1.69	No	---	---	---	---	---	---	---	---	---	---
MW6I	04/14/93	---	14.14	12.43	1.71	No	---	---	---	---	---	---	---	---	---	---
MW6I	05/11/93	---	14.14	12.73	1.41	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	06/17/93	---	14.14	12.78	1.36	No	---	---	---	---	---	---	---	---	---	---
MW6I	07/26/93	---	14.14	12.92	1.22	No	---	---	---	---	---	---	---	---	---	---
MW6I	08/10/93	---	14.14	12.97	1.17	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	09/21/93	---	14.14	13.02	1.12	No	---	---	---	---	---	---	---	---	---	---
MW6I	10/27/93	---	14.14	13.10	1.04	No	---	<50	---	---	---	<0.5	<0.5	<0.5	1.1	---
MW6I	11/23/93	---	14.14	13.02	1.12	No	---	---	---	---	---	---	---	---	---	---
MW6I	12/17/93	---	14.14	12.65	1.49	No	---	---	---	---	---	---	---	---	---	---
MW6I	02/16/94	---	14.14	12.66	1.48	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	05/31/94	---	14.14	12.90	1.24	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	08/30/94	---	16.26j	13.06	3.20	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	11/11/94	---	16.26j	15.20	1.06	No	---	53	---	---	---	0.62	1.8	<0.5	2.0	---
MW6I	02/27/95	---	16.26j	12.51	3.75	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	05/30/95	---	16.26j	12.57	3.69	No	---	69	---	---	---	2.8	0.96	1.1	4.3	---
MW6I	08/30/95	---	16.26j	12.86	3.4	No	---	<50	---	<10	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	11/26/96	---	16.26j	12.45	3.81	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	02/27/97	---	16.26j	12.24	4.02	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	05/21/97	---	16.26j	12.82	3.44	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	08/18/97	---	16.26j	12.81	3.45	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	03/13/98	---	16.26j	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6I	04/20/98	---	16.26j	12.14	4.12	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	07/21/98	---	20.24	12.59	7.65	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	10/06/98	---	20.24	12.81	7.43	No	---	---	---	---	---	---	---	---	---	---
MW6I	01/11/99	---	20.24	12.74	7.50	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	04/08/99	---	20.24	11.93	8.31	No	---	---	---	---	---	---	---	---	---	---
MW6I	07/19/99	---	20.24	11.75	8.49	No	---	281	---	17.6	---	35.4	9.1	7.4	30.7	---
MW6I	07/27/99	---	20.24	12.95	7.29	No	---	---	---	---	---	---	---	---	---	---
MW6I	10/25/99	---	20.24	12.79	7.45	No	---	---	---	---	---	---	---	---	---	---
MW6I	01/27/00	---	20.24	12.06	8.18	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	04/03/00	---	20.24	12.24	8.00	No	---	---	---	---	---	---	---	---	---	---
MW6I	07/05/00	---	20.24	12.48	7.76	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	10/04/00	---	20.24	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6I	10/05/00	---	20.24	---	---	---	---	---	<1,000	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6I	01/04/01	---	20.24	12.54	7.70	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	04/03/01	---	20.24	12.32	7.92	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	07/05/01	---	20.24	12.55	7.69	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	10/01/01	---	19.87	Well surveyed in compliance with AB 2886 requirements.												
MW6I	10/03/01	---	20.24	12.67	7.57	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	01/02/02	---	19.87	10.98	8.89	No	---	<100	---	<0.5	---	<0.50	<0.50	<0.50	<0.50	---
MW6I	04/02/02 b	---	19.87	12.24	7.63	No	---	---	---	---	---	---	---	---	---	---
MW6I	07/01/02	---	19.87	12.51	7.36	No	---	<50	<100a	<0.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	10/02/02 b	---	19.87	12.72	7.15	No	---	---	---	---	---	---	---	---	---	---
MW6I	01/07/03	---	19.87	12.09	7.78	No	---	<50.0	<50	<0.5	1.10	<0.5	<0.5	<0.5	<0.5	---
MW6I	06/17/03 b	---	19.87	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6I	07/16/03	---	19.87	12.49	7.38	No	---	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6I	10/07/03 b	---	19.87	12.64	7.23	No	---	---	---	---	---	---	---	---	---	---
MW6I	01/14/04	---	19.87	12.13	7.74	No	---	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6I	06/03/04 b	---	19.87	12.56	7.31	No	---	---	---	---	---	---	---	---	---	---
MW6I	08/12/04	---	19.87	c	c	c	99c	<50.0c	155c	---	<0.50c	<0.50c	<0.5c	<0.5c	0.8c	---
MW6I	11/04/04 b	---	19.87	12.33	7.54	No	---	---	---	---	---	---	---	---	---	---
MW6I	02/01/05	---	19.87	12.09	7.78	No	<100	<50.0	<100	---	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6I	05/03/05 b	---	19.87	12.16	7.71	No	---	---	---	---	---	---	---	---	---	---
MW6I	08/04/05	---	19.87	12.46	7.41	No	54.2d	<50.0	<100	---	<0.500	<0.500	<0.500	<0.500	<0.500	---
MW6I	10/27/05 b	---	19.87	12.58	7.29	No	---	---	---	---	---	---	---	---	---	---
MW6I	01/26/06	---	19.87	12.04	7.83	No	<50	<50	<500	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6I	04/28/06 b	---	19.87	11.94	7.93	No	---	---	---	---	---	---	---	---	---	---
MW6I	07/05/06	---	19.87	13.06	6.81	No	<47.6	<50.0	<95.2	---	<0.500	<1.00	<1.00	<1.00	<3.00	---
MW6I	10/27/06 b	---	19.87	12.64	7.23	No	---	---	---	---	---	---	---	---	---	---
MW6I	01/19/07	---	19.87	12.41	7.46	No	<47	<50.0	<470	---	<0.500	<0.50	<0.50	<0.50	0.62	---
MW6I	04/24/07 b	---	19.87	12.11	7.76	No	---	---	---	---	---	---	---	---	---	---
MW6I	07/24/07	---	19.87	12.51	7.36	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6I	12/03/07	---	19.87	12.64	7.23	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6I	03/06/08	---	19.87	11.97	7.90	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6I	06/26/08 b	---	19.87	12.54	7.33	No	---	---	---	---	---	---	---	---	---	---
MW6I	08/12/08	---	19.87	12.53	7.34	No	81.3d,m,n	<50.0	137m	---	<0.500	<0.50	<0.50	<0.50	<0.50	---
MW6I	10/23/08 b	---	19.87	12.56	7.31	No	---	---	---	---	---	---	---	---	---	---
MW6I	03/25/09	---	19.87	12.14	7.73	No	<50	<50	<250	---	<0.50	1.1	1.1	0.53	2.3	---
MW6I	06/17/09 b	---	19.87	12.43	7.44	No	---	---	---	---	---	---	---	---	---	---
MW6I	09/04/09	---	19.87	12.55	7.32	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6I	03/09/10	---	19.87	11.82	8.05	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6I	09/17/10	---	19.87	12.63	7.24	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6I	02/15/11	---	19.87	12.04	7.83	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6I	08/23/11	---	19.87	12.41	7.46	No	<50	<50	<250	---	<0.50	0.73	<0.50	<0.50	<1.0	---
MW6I	02/09/12	---	19.87	12.33	7.54	No	<50	<50	<250	---	<0.50	<0.50	1.2	0.87o	2.6	---
MW6I	07/24/12	---	19.87	12.51	7.36	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	230
MW6I	**03/08/13**	**---**	**19.87**	**12.18**	**7.69**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6I	**03/11/13**	**---**	**19.87**	**---**	**---**	**---**	**<50**	**<50**	**<250**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---**
MW6J	04/06/01	---	Well installed.													
MW6J	07/05/01	---	20.72	13.47	7.25	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6J	10/03/01	---	20.72	13.57	7.15	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6J	Oct-01	---	20.75	Well surveyed in compliance with AB 2886 requirements.												
MW6J	01/02/02	---	20.75	13.19	7.56	No	---	<100	---	<0.5	---	<0.50	<0.50	<0.50	<0.50	---
MW6J	04/02/02	---	20.75	13.74	7.01	No	---	<50.0	<100	1.00	---	0.80	<0.50	<0.50	0.80	---
MW6J	07/01/02	---	20.75	13.58	7.17	No	---	<50	<100a	<0.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6J	10/02/02	---	20.75	13.79	6.96	No	---	<50.0	<100	<0.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6J	01/07/03	---	20.75	13.49	7.26	No	---	<50.0	<50	0.60	1.30	<0.5	<0.5	<0.5	<0.5	---
MW6J	06/17/03	---	20.75	13.76	6.99	No	---	<50.0	<100	3.00	0.70	<0.50	<0.5	<0.5	<0.5	---
MW6J	07/16/03	---	20.75	13.57	7.18	No	---	<50.0	<100	0.70	0.60	<0.50	<0.5	<0.5	<0.5	---
MW6J	10/07/03	---	20.75	13.74	7.01	No	---	<50.0	<100	1.1	1.20	<0.50	<0.5	<0.5	<0.5	---
MW6J	01/14/04	---	20.75	13.46	7.29	No	<50	<50.0	<100	1.8	1.80	<0.50	<0.5	<0.5	<0.5	---
MW6J	06/03/04	---	20.75	13.72	7.03	No	<50	<50.0	<100	5.1	10.3	0.50	<0.5	<0.5	<0.5	---
MW6J	08/12/04	---	20.75	c	c	c	<50c	<50.0c	<100c	---	3.30c	1.40c	2.1c	1.3c	4.6c	---
MW6J	11/04/04	---	20.75	13.68	7.07	No	<50	<50.0	116	---	3.50	0.50	0.5	<0.5	<0.5	---
MW6J	02/01/05	---	20.75	13.47	7.28	No	<100	<50.0	<100	---	5.50	<0.50	<0.5	<0.5	0.6	---
MW6J	05/03/05	---	20.75	13.66	7.09	No	<50	<50.0	<100	---	3.00	0.70	0.9	0.6	0.8	---
MW6J	08/04/05	---	20.75	13.75	7.00	No	55.8d	<50.0	130	---	<0.500	<0.500	<0.500	<0.500	<0.500	---
MW6J	10/27/05	---	20.75	13.71	7.04	No	<50.0	<50.0	<50.0	---	2.48	<0.50	0.94f	<0.50	<0.50	---
MW6J	01/26/06	---	20.75	13.49	7.26	No	<50	<50	<500	---	6.2	<0.50	<0.50	<0.50	<0.50	---
MW6J	04/28/06	---	20.75	13.56	7.19	No	<47	<50	<470	---	7.2	<0.50	<0.50	<0.50	<0.50	---
MW6J	07/05/06	---	20.75	13.75	7.00	No	<47.6	<50.0	<95.2	---	7.73	<1.00	<1.00	<1.00	<3.00	---
MW6J	10/27/06	---	20.75	13.66	7.09	No	<47	67.7	<470	---	9.15	<0.50	<0.50	<0.50	<0.50	---
MW6J	01/19/07	---	20.75	13.51	7.24	No	<47	<50.0	<470	---	12.1	<0.50	<0.50	<0.50	<0.50	---
MW6J	04/24/07	---	20.75	13.76	6.99	No	<47.6	<50.0	<47.6	---	12.8	<0.50	<0.50	<0.50	<0.50	---
MW6J	07/24/07	---	20.75	14.01	6.74	No	<47	<50	<470	---	16	<0.50	<0.50	<0.50	<0.50	---
MW6J	12/03/07	---	20.75	13.71	7.04	No	<47	<50	<470	---	29	<0.50	<0.50	<0.50	<0.50	---
MW6J	03/06/08	---	20.75	Well inaccessible due to encroachment permit restrictions.												
MW6J	06/26/08	---	20.75	Well inaccessible due to encroachment permit restrictions.												
MW6J	08/12/08	---	20.75	Well inaccessible due to encroachment permit restrictions.												
MW6J	10/23/08	---	20.75	13.40	7.35	No	<50	<50	<250	---	10	<0.50	<0.50	<0.50	<1.0	---
MW6J	03/25/09	---	20.75	13.19	7.56	No	<50	<50	<250	---	8.7	<0.50	<0.50	<0.50	1.4	---
MW6J	06/17/09	---	20.75	---	---	---	<50	<50	<250	---	15	<0.50	<0.50	<0.50	<1.0	---
MW6J	06/17/09	---	20.75	13.69	7.06	No	<50	<50	<250	---	15	<0.50	<0.50	<0.50	<1.0	---
MW6J	09/04/09	---	20.75	13.31	7.44	No	<50	<50	<250	---	16	<0.50	<0.50	<0.50	<1.0	---
MW6J	03/09/10	---	20.75	12.84	7.91	No	<50	<50	<250	---	12	<0.50	<0.50	<0.50	<1.0	---
MW6J	09/17/10	---	20.75	13.27	7.48	No	<50	<50	<250	---	15	<0.50	<0.50	<0.50	<1.0	---
MW6J	02/15/11	---	20.75	12.80	7.95	No	<50	<50	<250	---	6.7	0.73	<0.50	<0.50	<1.0	---
MW6J	08/23/11	---	20.75	13.18	7.57	No	<50	<50	<250	---	5.1	<0.50	<0.50	<0.50	<1.0	---
MW6J	02/09/12	---	20.75	13.17	7.58	No	<50	<50	<250	---	5.3	0.71	3.0	2.1	6.1	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6J	07/24/12	---	20.75	13.61	7.14	No	<54	<50	<270	---	14	<0.50	<0.50	<0.50	<1.0	405
MW6J	**03/08/13 t**	**---**	**20.75**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6Ka	**06/13/13**	**---**	**Well installed.**													
MW6Ka	**06/17/13**	**---**	**---**	**12.08**	**---**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6Ka	**06/21/13**	**---**	**Well surveyed.**													
MW6Ka	**06/21/13 v**	**---**	**21.04**	**12.11u**	**---**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6Kb	**06/13/13**	**---**	**Well installed.**													
MW6Kb	**06/17/13**	**---**	**---**	**11.85**	**---**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6Kb	**06/21/13**	**---**	**Well surveyed.**													
MW6Kb	**06/21/13**	**---**	**20.81**	**11.88**	**8.93**	**No**	**1,900d**	**9,700**	**<250**		**36**	**630**	**430**	**480**	**1,500**	**---**
MW6La	**06/12/13**	**---**	**Well installed.**													
MW6La	**06/17/13**	**---**	**---**	**12.17**	**---**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6La	**06/21/13**	**---**	**Well surveyed.**													
MW6La	**06/21/13 v**	**---**	**21.18**	**Dry**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6Lb	**06/12/13**	**---**	**Well installed.**													
MW6Lb	**06/17/13**	**---**	**---**	**12.37**	**---**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6Lb	**06/21/13**	**---**	**Well surveyed.**													
MW6Lb	**06/21/13**	**---**	**21.19**	**12.40**	**8.79**	**No**	**1,200d**	**5,400**	**<250**		**6.0**	**290**	**190**	**140**	**610**	**---**
RW1	05/10/90	---	97.89i	Well installed.												
RW1	10/16/90	---	97.89i	12.24	85.65i	---	---	---	---	---	---	---	---	---	---	---
RW1	01/14/91	---	97.89i	12.80	85.09i	---	---	---	---	---	---	---	---	---	---	---
RW1	02/08/91	---	97.89i	12.53	85.36i	---	---	---	---	---	---	---	---	---	---	---
RW1	05/31/91	---	97.89i	12.86	85.03i	---	---	---	---	---	---	---	---	---	---	---
RW1	08/05/91	---	97.89i	13.19	84.70i	---	---	---	---	---	---	---	---	---	---	---
RW1	08/13/91	---	97.89i	14.05	83.84i	---	---	---	---	---	---	---	---	---	---	---
RW1	09/11/91	---	97.89i	15.96	81.93i	---	---	---	---	---	---	---	---	---	---	---
RW1	10/16/91	---	97.89i	16.00	81.89i	---	---	---	---	---	---	---	---	---	---	---
RW1	12/30/91	---	97.89i	12.65	85.24i	---	---	---	---	---	---	---	---	---	---	---
RW1	02/25/92	---	97.89i	14.40	83.49i	---	---	---	---	---	---	---	---	---	---	---
RW1	03/25/92	---	97.89i	---	---	---	---	---	---	---	---	---	---	---	---	---
RW1	06/16/92	---	14.42	12.37	2.05	---	---	6,200	---	---	---	620	1,400	240	1,400	---
RW1	09/08/92	---	Not monitored or sampled.													
RW1	08/30/94	---	16.79j	Well resurveyed.												
RW1	08/31/94 - 10/16/98	---	Not monitored or sampled.													
RW1	01/11/99	---	20.24	12.37	7.87	No	---	---	---	---	---	---	---	---	---	---
RW1	04/08/99	---	20.24	10.41	9.83	No	---	---	---	---	---	---	---	---	---	---
RW1	07/19/99	---	20.24	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
RW1	07/27/99	---	20.24	12.76	7.48	No	---	---	---	---	---	---	---	---	---	---
RW1	10/25/99	---	20.24	12.50	7.74	No	---	---	---	---	---	---	---	---	---	---
RW1	01/27/00	---	20.24	12.11	8.13	No	---	---	---	---	---	---	---	---	---	---
RW1	04/03/00	---	20.24	12.07	8.17	No	---	---	---	---	---	---	---	---	---	---
RW1	07/05/00	---	20.24	---	---	---	---	---	---	---	---	---	---	---	---	---
RW1	10/04/00	---	20.24	---	---	---	---	---	---	---	---	---	---	---	---	---
RW1	10/05/00	---	20.24	---	---	---	---	---	---	---	---	---	---	---	---	---
RW1	01/04/01	---	20.24	13.90	6.34	No	---	8,000	---	2,500	---	1,200	65	250	258	---
RW1	04/03/01	---	20.24	11.92	8.32	No	---	4,100	---	610	---	62	<2.5	18	61	---
RW1	07/05/01	---	20.24	Well inaccessible.												
RW1	10/03/01	---	20.24	12.32	8.32	No	---	11,000	---	4,100	---	1,900	780	150	700	---
RW1	Oct-01	---	20.43	Well surveyed in compliance with AB 2886 requirements.												
RW1	01/02/02	---	20.43	10.85	9.58	No	---	32,000	---	7,760	---	358	2,270	894	4,820	---
RW1	04/02/02	---	20.43	11.72	8.71	No	---	4,220	<500	922	---	172	22.5	106	340	---
RW1	07/01/02	---	20.43	12.17	8.26	No	---	2,500	<100a	986	---	176	8.0	71.0	75.0	---
RW1	10/02/02	---	20.43	12.44	7.99	No	---	2,970	1,720	1,310	---	197	11.0	70.0	69.0	---
RW1	01/07/03	---	20.43	11.64	8.79	No	---	2,210	1,340	747	1,010	134	12.0	33.0	53.0	---
RW1	06/17/03	---	20.43	11.98	8.45	No	---	3,850	316	645	847	48.9	38.7	46.1	197	---
RW1	07/16/03	---	20.43	12.11	8.32	No	---	2,640	2,080	730	615	78.5	20.0	47.5	166	---
RW1	10/07/03	---	20.43	12.35	8.08	No	1,340	2,310	1,040	744	578	118	7.6	25.1	52.1	---
RW1	01/14/04	---	20.43	11.61	8.82	No	4,240	4,230	5,640	7.8	328	52.7	65.8	42.7	543	---
RW1	06/03/04	---	20.43	12.12	8.31	No	---	2,910	1,840	234	250	79.9	6.0	28.6	67.2	---
RW1	08/12/04	---	20.43	c	c	c	---	1,980c	164c	---	107c	146c	5.7c	18.1c	10.9c	---
RW1	11/04/04	---	20.43	12.06	8.37	No	2,570	127,000	1,790	---	386	130	5,150	4,020	24,300	---
RW1	02/01/05	---	20.43	11.55	8.88	No	3,530	2,880	4,680	---	78.7	25.3	13.3	49.3	258	---
RW1	05/03/05	---	20.43	11.58	8.85	No	6,830d,e	2,490	14,600	---	91.3	33.8	18.4	17.3	97.7	---
RW1	08/04/05	---	20.43	12.10	8.33	No	2,430d	3,080	3,410	---	49.6	193	20.4	48.2	117	---
RW1	10/27/05	---	20.43	12.32	8.11	No	1,970	348	2,960	---	36.3	9.40	1.99f	2.22	5.36	---
RW1	01/26/06	---	20.43	11.55	8.88	No	5,000d	640	<10,000	---	72	13	7.5	1.8	5.2	---
RW1	04/28/06	---	20.43	11.23	9.20	No	950d	810	1,500	---	30	18	12	4.9	19	---
RW1	07/05/06	---	20.43	11.96	8.47	No	687	1,020	886	---	40.0	25.0	4.77	4.67	11.4	---
RW1	10/27/06	---	20.43	12.31	8.12	No	550d	937	600	---	45.4	21.1	4.82	5.37	8.14	---
RW1	01/19/07	---	20.43	11.96	8.47	No	2,500d	1,070	2,500	---	33.4	21.9	2.22	3.40	6.99	---
RW1	04/24/07	---	20.43	11.61	8.82	No	k	806	k	---	28.0	20.9	2.77	2.81	5.46	---
RW1	07/24/07	---	20.43	12.20	8.23	No	2,100d	510	3,500d	---	17	18	1.8	0.92	2.0	---
RW1	12/03/07	---	20.43	12.30	8.13	No	1,100d,l	400	1,700d	---	12	18	1.4	1.6	1.8	---
RW1	03/06/08	---	20.43	11.62	8.81	No	380d	490	480	---	22	18	1.6	<1.0	1.7	---
RW1	06/26/08	---	20.43	12.52	7.91	No	1,100d	560	1,800d	---	20	51	3.1	2.0	4.2	---
RW1	08/12/08	---	20.43	12.51	7.92	No	6,500d,e,m,l	1,720	20,400m	---	16.8	391	29.7	29.7	52.5	---
RW1	10/23/08	---	20.43	12.68	7.75	No	---	---	---	---	---	---	---	---	---	---
RW1	10/30/08	---	20.43	---	---	---	930	2,500	1,200	---	18	21	7.9	11	15	---
RW1	03/25/09	---	20.43	11.45	8.98	No	2,400	1,100	1,800	---	21	45	2.9	<2.5	<5.0	---
RW1	06/17/09	---	20.43	---	---	---	390	2000	<250	---	30	62	<0.50	3.4	5.6	---

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Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
RW1	06/17/09	---	20.43	11.97	8.46	No	390	2,000	<250	---	30	62	<0.50	3.4	5.6	---
RW1	09/04/09	---	20.43	12.37	8.06	No	710d	1,300	750	---	22	16	3.1	0.75	<1.0	---
RW1	03/09/10	---	20.43	10.69	9.74	No	630d	1,800	340	---	23	85	4.4	5.9	8.8	---
RW1	09/17/10	---	20.43	12.29	8.14	No	400d	670d	<250	---	17	48	2.9	2.6	4.0	---
RW1	02/15/11	---	20.43	11.29	9.14	No	350d	1,300d	<250	---	12	47	4.5	3.2	8.7	---
RW1	08/23/11	---	20.43	11.86	8.57	No	460d	1,100d	300	---	9.0	13	1.8	2.4	4.3	---
RW1	02/09/12	---	20.43	11.68	8.75	No	1,200d	1,400d	1,300	---	7.2s	34	6.7	3.4	10	---
RW1	07/24/12	---	20.43	12.04	8.39	No	1,700d	1,800	2,100d	---	6.4	13	<0.50	<0.50	<1.0	510
RW1	**03/08/13**	**---**	**20.43**	**11.57**	**8.86**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
RW1	**03/11/13**	**---**	**20.43**	**---**	**---**	**---**	**300d**	**1,500**	**<250**	**---**	**5.5**	**46**	**6.0**	**5.7**	**13**	**---**
RW2	10/16/90	---	98.11i	12.77	85.34i	---	---	---	---	---	---	---	---	---	---	---
RW2	02/08/91	---	98.11i	13.11	85.00i	---	---	---	---	---	---	---	---	---	---	---
RW2	04/02/91	---	98.11i	11.70	86.41i	---	---	---	---	---	---	---	---	---	---	---
RW2	05/07/91	---	98.11i	14.09	84.02i	---	---	11,000	---	---	---	3,200	480	150	780	---
RW2	05/31/91	---	98.11i	16.01	82.10i	---	---	---	---	---	---	---	---	---	---	---
RW2	06/26/91	---	98.11i	14.60	83.51i	---	---	---	---	---	---	---	---	---	---	---
RW2	08/05/91	---	98.11i	14.00	84.11i	---	---	---	---	---	---	---	---	---	---	---
RW2	08/13/91	---	98.11i	21.30	76.81i	---	---	---	---	---	---	---	---	---	---	---
RW2	09/11/91	---	98.11i	19.97	78.14i	---	---	---	---	---	---	---	---	---	---	---
RW2	10/16/91	---	98.11i	15.19	82.92i	---	---	---	---	---	---	---	---	---	---	---
RW2	12/30/91	---	98.11i	13.19	84.92i	---	---	---	---	---	---	---	---	---	---	---
RW2	02/25/92	---	98.11i	16.27	81.84i	---	---	---	---	---	---	---	---	---	---	---
RW2	03/25/92	---	98.11i	---	---	---	---	---	---	---	---	---	---	---	---	---
RW2	06/16/92	---	14.61	12.86	1.75	---	---	28,000	---	---	---	2,900	1,000	120	2,700	---
RW2	09/08/92 - 05/31/94	---	Not monitored or sampled.													
RW2	08/30/94	---	17.02j	Well resurveyed.												
RW2	08/31/94 - 04/20/98	---	Not monitored or sampled.													
RW2	07/21/98	---	20.44	12.65	7.79	No	---	3,500	---	170	---	240	100	41	96	---
RW2	10/06/98	---	20.44	13.06	7.38	No	---	3,200	---	200	---	120	48	56	120	---
RW2	01/11/99	---	20.44	12.88	7.56	No	---	3,300	---	350	---	150	17	35	40	---
RW2	04/08/99	---	20.44	11.76	8.68	sheen	---	---	---	---	---	---	---	---	---	---
RW2	07/19/99	---	20.44	11.61	8.83	No	---	1,980	---	160	499	44	4.16	22.3	11.6	---
RW2	07/27/99	---	20.44	13.26	7.18	No	---	---	---	---	---	---	---	---	---	---
RW2	10/25/99	---	20.44	12.96	7.48	No	---	1,800	---	440	---	51	<0.5	4.7	9.5	---
RW2	01/27/00	---	20.44	12.70	7.74	No	---	1,900	---	750	---	38	<2.5	4.8	10.4	---
RW2	04/03/00	---	20.44	11.97	8.47	No	---	2,100	---	300	---	28	2.4	1.4	0.73	---
RW2	07/05/00	---	20.44	12.50	7.94	No	---	2,300	---	230	---	20	<2.5	5.3	8	---
RW2	10/04/00	---	20.44	12.97	7.47	No	---	1,300	---	570	---	42	<2.5	15	17.7	---
RW2	10/05/00	---	20.44	---	---	---	---	---	<1,000	---	---	---	---	---	---	---
RW2	01/04/01	---	20.44	13.71	6.73	No	---	1,000	---	380	---	33	<2.5	13	17.7	---
RW2	04/03/01	---	20.44	12.10	8.34	No	---	1,300	---	99	---	18	2.1	16	19.4	---
RW2	07/05/01	---	20.44	Well inaccessible.			---	---	---	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
RW2	10/03/01	---	20.44	12.8	7.64	No	---	1,900	---	240	---	35	4.4	34	105	---
RW2	Oct-01	---	20.64	Well surveyed in compliance with AB 2886 requirements.												
RW2	01/02/02	---	20.64	10.22	10.42	No	---	2,440	---	76.0	---	24.4	6.20	26.2	83.0	---
RW2	04/02/02	---	20.64	12.02	8.62	No	---	1,460	260	47.5	---	8.60	3.30	5.30	29.1	---
RW2	07/01/02	---	20.64	12.51	8.13	No	---	1,380	<100a	39.9	---	11.0	1.8	17.9	45.0	---
RW2	10/02/02	---	20.64	12.91	7.73	No	---	720	<100	46.9	---	5.5	1.7	3.7	11.9	---
RW2	01/07/03	---	20.64	11.61	9.03	No	---	1,180	197	48.0	56.0	12.3	3.6	12.2	25.6	---
RW2	06/17/03	---	20.64	12.32	8.32	No	---	1,070	<100	29.7	26.4	13.9	4.4	11.8	16.9	---
RW2	07/16/03	---	20.64	12.51	8.13	No	---	1,200	295	32.9	19.3	6.60	4.1	10.9	12.3	---
RW2	10/07/03	---	20.64	12.81	7.83	No	332	1,170	<100	55.0	50.2	8.70	1.1	9.3	12.2	---
RW2	01/14/04	---	20.64	11.70	8.94	No	167	1,250	<100	8.4	128	18.0	4.4	8.6	10.7	---
RW2	06/03/04	---	20.64	12.93	7.71	No	---	1,100	1,310	17.0	10.9	6.70	1.3	4.0	11.5	---
RW2	08/12/04	---	20.64	c	c	c	438c	1,110c	521c	---	32.8c	7.00c	1.5c	3.1c	10.2c	---
RW2	11/04/04	---	20.64	12.30	8.34	No	503	506	419	---	r	4.30	5.9	6.2	16.0	---
RW2	02/01/05	---	20.64	11.61	9.03	No	725	640	1,400	---	13.7	5.30	1.5	4.0	3.8	---
RW2	05/03/05	---	20.64	11.72	8.92	No	493d,e	1,130	801	---	8.20	10.3	1.1	5.8	6.3	---
RW2	08/04/05	---	20.64	12.46	8.18	No	3,020d	1,060	3,810	---	9.02	6.36	0.848	1.90	2.47	---
RW2	10/27/05	---	20.64	12.71	7.93	No	716	163	703	---	8.74	<0.50	<0.50	<0.50	0.95	---
RW2	01/26/06	---	20.64	11.65	8.99	No	410d	620a	<500	---	5.1	6.1 a	1.2 a	4.3 a	2.1 a	---
RW2	04/28/06	---	20.64	11.24	9.40	No	300d	680	<470	---	2.6	9.7	1.2	5.3	2.9	---
RW2	07/05/06	---	20.64	12.33	8.31	No	284	946	221	---	<0.500	8.87	1.05	1.81	3.10	---
RW2	10/27/06	---	20.64	12.78	7.86	No	240d	920	<470	---	4.59	<0.50	<0.50	3.65	3.09	---
RW2	01/19/07	---	20.64	12.29	8.35	No	230d	794	<470	---	3.72	6.32	2.27	<0.50	3.09	---
RW2	04/24/07	---	20.64	11.81	8.83	No	652d	1,170	332	---	3.01	7.21	<0.50	6.74	6.15	---
RW2	07/24/07	---	20.64	12.51	8.13	No	250d	970	<470	---	2.5	9.1	<0.50	2.8	1.9	---
RW2	12/03/07	---	20.64	12.71	7.93	No	660d,l	460	660d	---	6.8	7.5	<2.5	<2.5	<2.5	---
RW2	03/06/08	---	20.64	11.61	9.03	No	610d	750	620d	---	2.2	8.5	<2.5	2.7	<2.5	---
RW2	06/26/08	---	20.64	12.71	7.93	No	500d	400	580d	---	1.6	5.6	<1.0	<1.0	1.1	---
RW2	08/12/08	---	20.64	12.81	7.83	No	372d,m,n	317	222m	---	1.36	37.3	<0.50	4.13	3.99	---
RW2	10/23/08	---	20.64	12.97	7.67	No	190	370	<250	---	<0.50	3.2	<0.50	5.5	8.1	---
RW2	03/25/09	---	20.64	11.47	9.17	No	270	400	<250	---	0.89	<0.50	0.86	3.7	3.5	---
RW2	06/17/09	---	20.64	---	---	---	310	1100	<250	---	0.76	6.8	<0.50	5.7	4.4	---
RW2	06/17/09	---	20.64	12.25	8.39	No	310	1,100	<250	---	0.76	6.8	<0.50	5.7	4.4	---
RW2	09/04/09	---	20.64	12.68	7.96	No	170d	840	<250	---	<0.50	<0.50	<0.50	0.76o	<1.0	---
RW2	03/09/10	---	20.64	10.73	9.91	No	340d	1,400	<250	---	<0.50	6.1	1.7	7.2	3.7	---
RW2	09/17/10	---	20.64	12.61	8.03	No	120d	550d	<250	---	0.95	<0.50	0.67	3.1	1.5	---
RW2	02/15/11	---	20.64	11.50	9.14	No	110d	600d	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
RW2	08/23/11	---	20.64	12.19	8.45	No	140d	970d	<250	---	0.64	2.0	2.7	4.6	7.8	---
RW2	02/09/12	---	20.64	11.81	8.83	No	200d	810d	<250	---	<0.50	<0.50	<0.50	3.8	5.0	---
RW2	07/24/12	---	20.64	12.37	8.27	No	790d	720d	600d	---	0.53	3.0	<0.50	<0.50	<1.0	395
RW2	**03/08/13**	**---**	**20.64**	**11.79**	**8.85**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
RW2	**03/11/13**	**---**	**20.64**	**---**	**---**	**---**	**130d**	**700**	**<250**	**---**	**<0.50**	**7.7**	**<0.50**	**<0.50**	**<0.50**	**---**

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
RW3	10/16/90	---	98.97i	13.29	85.68i	---	---	---	---	---	---	---	---	---	---	---
RW3	01/14/91	---	98.97i	14.50	84.47i	---	---	---	---	---	---	---	---	---	---	---
RW3	02/08/91	---	98.97i	12.54	86.43i	---	---	---	---	---	---	---	---	---	---	---
RW3	04/02/91	---	98.97i	11.39	87.58i	---	---	---	---	---	---	---	---	---	---	---
RW3	05/07/91	---	98.97i	12.47	86.50i	---	---	5,800	---	---	---	4,200	640	220	670	---
RW3	05/31/91	---	98.97i	16.31	82.66i	---	---	---	---	---	---	---	---	---	---	---
RW3	06/26/91	---	98.97i	15.50	83.47i	---	---	---	---	---	---	---	---	---	---	---
RW3	08/05/91	---	98.97i	13.69	85.28i	---	---	---	---	---	---	---	---	---	---	---
RW3	08/13/91	---	98.97i	13.67	85.30i	---	---	---	---	---	---	---	---	---	---	---
RW3	08/14/91	---	98.97i	---	---	---	---	3,800	---	---	---	2,300	300	49	360	---
RW3	09/11/91	---	98.97i	13.77	85.20i	---	---	---	---	---	---	---	---	---	---	---
RW3	10/16/91	---	98.97i	16.66	82.31i	---	---	---	---	---	---	---	---	---	---	---
RW3	11/05/91	---	Well destroyed.													
RW3A	08/24/92 - 04/20/98	---	Not monitored or sampled.													
RW3A	08/24/92	---	---	Well installed in place of RW3.												
RW3A	07/21/98	---	21.75	13.08	8.67	No	---	280	---	16	---	97	<1.2	<1.2	<1.2	---
RW3A	10/06/98	---	21.89	13.72	8.17	No	---	78	---	26	---	26	0.89	<0.5	<0.5	---
RW3A	01/11/99	---	21.75	12.00	9.75	No	---	1,000	---	230	---	490	5.0	<5.0	7.4	---
RW3A	04/08/99	---	21.75	11.90	9.85	No	---	130	---	11	---	70	<1.0	<1.0	<1.0	---
RW3A	07/19/99	---	21.75	11.75	10.00	No	---	989	---	16.4	---	393	6.40	5.70	15.0	---
RW3A	07/27/99	---	21.75	13.68	8.07	No	---	---	---	---	---	---	---	---	---	---
RW3A	10/25/99	---	21.75	13.61	8.14	No	---	150	---	19	---	53	<0.5	<0.5	<0.5	---
RW3A	01/27/00	---	21.75	12.22	9.53	No	---	500	---	12	---	210	0.59	1.40	2.29	---
RW3A	04/03/00	---	21.75	12.00	9.75	No	---	1,100	---	16	---	420	1.6	1.8	1.4	---
RW3A	07/05/00	---	21.75	13.01	8.74	No	---	1,200	---	16	---	440	1.4	2.5	1.9	---
RW3A	10/04/00	---	21.75	13.60	8.15	No	---	390	---	8.3	---	160	1.1	1.5	2.6	---
RW3A	10/05/00	---	21.75	---	---	---	---	---	<1,000	---	---	---	---	---	---	---
RW3A	01/04/01	---	21.75	13.65	8.10	No	---	500	---	12	---	230	0.97	1.1	1.4	---
RW3A	04/03/01	---	21.75	12.30	9.45	No	---	710	---	7.5	---	290	<0.5	<0.5	<0.5	---
RW3A	07/05/01	---	21.75	13.28	8.47	No	---	640	---	9	---	280	1.4	1.6	2.7	---
RW3A	10/03/01	---	21.75	13.58	8.17	No	---	<50	---	12	---	21	<0.5	<0.5	<0.5	---
RW3A	Oct-01	---	21.89	Well surveyed in compliance with AB 2886 requirements.												
RW3A	01/02/02	---	21.89	10.80	11.09	No	---	<100	---	11.2	---	<0.50	<0.50	<0.50	<0.50	---
RW3A	04/02/02	---	21.89	12.03	9.86	No	---	55.7	<100	11.0	---	1.30	<0.50	<0.50	<0.50	---
RW3A	07/01/02	---	21.89	13.13	8.76	No	---	275	<100a	21.7	---	60.4	<0.5	2.4	4.2	---
RW3A	10/02/02	---	21.89	13.70	8.19	No	---	138	114	11.1	---	53.4	<0.5	<0.5	0.7	---
RW3A	01/07/03	---	21.89	11.77	10.12	No	---	<50.0	<50	22.4	30.9	1.5	<0.5	<0.5	<0.5	---
RW3A	06/17/03	---	21.89	12.82	9.07	No	---	54.5	<100	12.8	16.0	7.40	<0.5	<0.5	<0.5	---
RW3A	07/16/03	---	21.89	13.40	8.49	No	---	112	<100	18.0	13.6	26.0	<0.5	<0.5	<0.5	---
RW3A	10/07/03	---	21.89	13.93	7.96	No	124	62.6	<100	10.4	11.3	7.30	<0.5	<0.5	<0.5	---
RW3A	01/14/04	---	21.89	11.55	10.34	No	401	<50.0	<100	11.7	16.2	3.10	<0.5	<0.5	<0.5	---
RW3A	06/03/04	---	21.89	13.43	8.46	No	---	79.0	<100	19.4	22.4	6.30	<0.5	<0.5	<0.5	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
RW3A	08/12/04	---	21.89	c	c	c	1,190c	<50.0c	296c	---	16.2c	<0.50c	<0.5c	<0.5c	<0.5c	---
RW3A	11/04/04	---	21.89	12.91	8.98	No	178	<50.0	122	---	5.40	<0.50	1.7	0.7	3.6	---
RW3A	02/01/05	---	21.89	11.63	10.26	No	<100	<50.0	<100	---	11.8	<0.50	<0.5	<0.5	<0.5	---
RW3A	05/03/05	---	21.89	11.79	10.10	No	158d	<50.0	<100	---	8.50	<0.50	<0.5	<0.5	<0.5	---
RW3A	08/04/05	---	21.89	12.99	8.90	No	687d	89.9	107	---	16.7	26.0	0.645	<0.500	0.835	---
RW3A	10/27/05	---	21.89	13.49	8.40	No	140	<50.0	79.1	---	4.00	9.63	<0.50	<0.50	0.65	---
RW3A	01/26/06	---	21.89	11.76	10.13	No	210d	100a	<500	---	17	5.6a	<0.50a		<0.50a	---
RW3A	04/28/06	---	21.89	10.96	10.93	No	140g	82	<470	---	19	2.6	<0.50	<0.50	<0.50	---
RW3A	07/05/06	---	21.89	13.12	8.77	No	340	50.0	<95.2	---	8.11	1.37	<1.00	<1.00	<3.00	---
RW3A	10/27/06	---	21.89	13.48	8.41	No	63d	789	<470	---	10.6	287	1.29	<0.50	2.03	---
RW3A	01/19/07	---	21.89	12.69	9.20	No	49d	<50.0	<470	---	6.25	2.08	<0.50	<0.50	<0.50	---
RW3A	04/24/07	---	21.89	12.12	9.77	No	<47.6	107	<47.6	---	4.95	17.9	<0.50	<0.50	0.57	---
RW3A	07/24/07	---	21.89	13.11	8.78	No	<47	<500	<470	---	8.5	240	<5.0	<5.0	<5.0	---
RW3A	12/03/07	---	21.89	13.35	8.54	No	61d,l	1,200g	<470	---	12	700	<10	<10	13	---
RW3A	03/06/08	---	21.89	11.69	10.20	No	<47	52	<470	---	4.4	1.5	<0.50	<0.50	<0.50	---
RW3A	06/26/08	---	21.89	13.46	8.43	No	<47	120	<470	---	10	29	<0.50	<0.50	<0.50	---
RW3A	08/12/08	---	21.89	13.67	8.22	No	100d,m,n	59.3	146m	---	9.63	19.5	<0.50	<0.50	<0.50	---
RW3A	10/23/08	---	21.89	13.97	7.92	No	---	---	---	---	---	---	---	---	---	---
RW3A	10/30/08	---	21.89	---	---	---	<50	<50	<250	---	6.5	0.99	<0.50	<0.50	<1.0	---
RW3A	03/25/09	---	21.89	11.62	10.27	No	<50	<50	<250	---	6.4	<0.50	<0.50	<0.50	<1.0	---
RW3A	06/17/09	---	21.89	12.87	9.02	No	<50	<50	<250	---	3.3	0.70o	<0.50	<0.50	<1.0	---
RW3A	06/17/09	---	21.89	---	---	---	<50	<50	<250	---	3.3	0.70	<0.50	<0.50	<1.0	---
RW3A	09/04/09	---	21.89	13.54	8.35	No	<50	<50	<250	---	5.6	<0.50	<0.50	<0.50	<1.0	---
RW3A	03/09/10	---	21.89	10.71	11.18	No	<50	<50	<250	---	4.3	1.8	<0.50	<0.50	<1.0	---
RW3A	09/17/10	---	21.89	13.46	8.43	No	<50	<50	<250	---	5.2	9.7	<0.50	<0.50	<1.0	---
RW3A	02/15/11	---	21.89	11.99	9.90	No	<50	<50	<250	---	1.9	2.2	<0.50	<0.50	<1.0	---
RW3A	08/23/11	---	21.89	12.77	9.12	No	<50	<50	<250	---	2.8	2.5	<0.50	<0.50	<1.0	---
RW3A	02/09/12	---	21.89	12.52	9.37	No	<50	<50	<250	---	1.7	3.8	<0.50	<0.50	<1.0	---
RW3A	07/24/12	---	21.89	13.08	8.81	No	<50	59d	<250	---	2.0	1.1	<0.50	<0.50	<1.0	425
RW3A	**03/08/13**	**---**	**21.89**	**12.37**	**9.52**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
RW3A	**03/11/13**	**---**	**21.89**	**---**	**---**	**---**	**<50**	**<50**	**<250**	**---**	**1.9**	**0.77**	**<0.50**	**<0.50**	**<0.50**	**---**
Grab Groundwater Samples																
W-Comp	10/26/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-15-CPT1	10/24/08	15	---	---	---	---	26,000	2,400	720	---	<10	500	1,400	750	3,700	---
W-38-CPT1	10/24/08	38	---	---	---	---	380	670	340	---	<2.5	65	110	21	79	---
W-15 -CPT2	10/27/08	15	---	---	---	---	260	990	<250	---	2.0	<0.50	<0.50	<0.50	<1.0	---
W-29 -CPT2	10/27/08	29	---	---	---	---	q	60	q	---	0.66	<0.50	<0.50	<0.50	<1.0	---
W-39 -CPT2	10/27/08	39	---	---	---	---	160	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev.	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
W-14 -CPT3	10/23/08	14	---	---	---	---	q	20,000	q	---	59	4,200	2,400	860	4,100	---
W-13-GP1	03/29/00	13	---	---	---	---	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
W-23-GP1	03/29/00	23	---	---	---	---	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
W-12-GP2	03/29/00	12	---	---	---	---	---	100	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
W-23-GP2	03/29/00	23	---	---	---	---	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
W-15-B7	03/05/07	15	---	---	---	---	66d	<50	<470	---	0.54	<0.50	<0.50	<0.50	<0.50	---
W-22-B7	03/05/07	22	---	---	---	---	220d	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
W-14-B8	03/02/07	14	---	---	---	---	1,900d	<50	2,800d	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
W-14-16-B9	03/06/07	14-16	---	---	---	---	1,000d	38,000	<480	---	120	15,000	890	700	1,700	---
W-22.5-24-B9	03/06/07	22.5-24	---	---	---	---	81d	490	<480	---	17	160	21	12	40	---
UOW r	11/27/91	---	---	---	---	---	18,000	550	---	---	---	12/15p	4.9/7p	19/20p	72/<5p	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Notes:

TOC Elev.	=	Top of casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level.
NAPL	=	Non-aqueous phase liquid.
Sheen	=	Liquid-phase hydrocarbon present as sheen.
in.	=	Inches of floating product.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015B (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015B (modified).
TPHmo	=	Total petroleum hydrocarbons as motor oil using EPA Method 8015B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 602 or 8021B.
TDS	=	Total dissolved solids analyzed using Standard Method 2540C.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
Metals	=	Metals analyzed using EPA Method 200.7.
µg/L	=	Micrograms per liter.
mg/L	=	Milligrams per liter.
<	=	Less than the indicated reporting limit shown by the laboratory.
---	=	Not measured/Not sampled/Not analyzed.
a	=	Analyses performed past EPA recommended holding time.
b	=	Well sampled semi-annually.
c	=	Groundwater elevation data invalidated; analytical results suspect.
d	=	The chromatographic pattern does not match that of the specified standard.
e	=	TRPH-diesel surrogate was diluted out due to sample matrix
f	=	Analyte detected in Matrix Spike and Matrix Spike Duplicate.
g	=	Elevated result due to single analyte peak in quantitation range.
h	=	Initial analysis within EPA recommended hold time. Re-analysis for dilution performed past hold time.
i	=	Based on assigned benchmark with elevation arbitrarily set at 100 feet.
j	=	Benchmark is City of Oakland #37J.
k	=	Sample container broken in shipment. Analyses not performed.
l	=	Analyte detected in associated method blank.
m	=	Sample received above recommended temperature.
n	=	Analyte detected in bailer bank.
o	=	Analyte presence was not confirmed by second column or GC/MS analysis.
p	=	Analyzed using EPA Method 624.
q	=	Insufficient sample volume.
r	=	Additional analyses: TOG - 580 µg/L; HVOCs - ND except for 70 µg/L of bromoform.
s	=	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.

Notes:

t = Well inaccessible.

u = DTW measured in the field indicates less than 6 inches of water in the well, which is not representative of the actual groundwater table. Groundwater elevation not calculated, data not used to compile groundwater elevation map.

v = Not enough water to sample.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
Monitoring Well Samples									
MW6A	June 1988	---	Well installed.						
MW6A	06/24/88 - 12/31/91	---	Not analyzed for these analytes.						
MW6A	05/02/92	---	Well destroyed.						
MW6B	June 1988	---	Well installed.						
MW6B	06/24/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6B	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6B	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6B	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6B	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6B	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6B	06/03/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6B	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6B	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6B	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6B	05/03/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6B	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6B	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100
MW6B	01/26/06	---	<0.50	<0.50	0.56	<20	<0.50	<0.50	<100
MW6B	04/28/06	---	<0.50	15	<0.50	27	<0.50	3.6	---
MW6B	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6B	10/27/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6B	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6B	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6B	07/24/07	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	---
MW6B	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
MW6B	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6B	06/26/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
MW6B	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6B	10/23/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6B	03/25/09	---	<12	<12	<12	<120	<12	<12	---
MW6B	06/17/09	---	<20	<20	<20	<200	<20	<20	---
MW6B	06/17/09	---	<20	<20	<20	<200	<20	<20	---
MW6B	09/04/09	---	<2.0	<2.0	<2.0	<20	<2.0	<2.0	---
MW6B	03/09/10	---	<2.0	<2.0	<2.0	28	<2.0	7.8	---
MW6B	09/17/10	---	---	---	<1.0	16	<1.0	2.7	---
MW6B	02/15/11	---	<10	<10	<10	<100	<10	10	---
MW6B	08/23/11	---	<12	<12	<12	<120	<12	<12	---
MW6B	02/09/12	---	<0.50	<0.50	<0.50	53	<0.50	7.4	---
MW6B	07/24/12	---	<5.0	<5.0	<5.0	73	<5.0	17	---
MW6B	**03/11/13**	**---**	**<10**	**<10**	**<10**	**<100**	**<10**	**17**	**<1,000**
MW6C	06/15/88	---	Well installed.						
MW6C	06/24/88 - 04/30/90	---	Not analyzed for these analytes.						
MW6C	05/10/90	---	Well over-drilled into recovery well RW3.						

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6D	07/06/88	---	Well installed.						
MW6D	07/11/88 - 04/30/90	---	Not analyzed for these analytes.						
MW6D	05/10/90	---	Well over-drilled into recovery well RW2.						
MW6E	10/04/88	---	Well installed.						
MW6E	10/20/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6E	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6E	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6E	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6E	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6E	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6E	06/03/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6E	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6E	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6E	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6E	05/03/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6E	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6E	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100
MW6E	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100
MW6E	04/28/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	---
MW6E	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6E	10/27/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6E	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6E	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6E	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
MW6E	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	06/26/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
MW6E	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6E	10/23/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6E	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	09/04/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	---
MW6E	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	08/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	07/24/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	**03/11/13**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**0.51**	**<50**
MW6F	10/05/88	---	Well installed.						
MW6F	10/20/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6F	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6F	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6F	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6F	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6F	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6F	06/03/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6F	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6F	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6F	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6F	05/03/05	---	<0.50	1.70	0.90	<10.0	<0.50	<0.50	<50.0
MW6F	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6F	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100
MW6F	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100
MW6F	04/28/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	---
MW6F	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6F	10/27/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6F	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6F	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6F	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	12/03/07	---	---	---	---	---	---	---	---
MW6F	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	06/26/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
MW6F	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6F	10/23/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6F	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	09/04/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	---
MW6F	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	08/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	07/24/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	**03/11/13**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<50**
MW6G	11/16/88	---	Well installed.						
MW6G	12/07/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6G	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6G	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6G	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6G	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6G	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6G	06/03/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6G	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6G	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6G	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6G	05/03/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6G	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6G	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100
MW6G	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100
MW6G	04/28/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6G	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6G	10/27/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<100
MW6G	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6G	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6G	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<100
MW6G	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
MW6G	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<100
MW6G	06/26/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
MW6G	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6G	10/23/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	09/04/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	<50
MW6G	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	08/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	07/24/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	**03/11/13**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<50**
MW6H	Dec-88	---	Well installed.						
MW6H	12/07/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6H	01/07/03	---	<0.50	<0.50	<0.50	952	<0.50	7.50	---
MW6H	06/17/03	---	<0.50	<0.50	<0.50	678	<0.50	7.10	<100
MW6H	07/16/03	---	<0.50	14.6	0.70	307	<0.50	6.20	<100
MW6H	10/07/03	---	<0.50	<0.50	<0.50	294	<0.50	7.40	<100
MW6H	01/14/04	---	<0.50	<0.50	<0.50	883	<0.50	6.80	<50.0
MW6H	06/03/04	---	<0.50	<0.50	<0.50	541	<0.50	5.80	<50.0
MW6H	08/12/04	---	<0.50c	<0.50c	<0.50c	754c	<0.50c	5.40c	<50.0c
MW6H	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6H	02/01/05	---	<0.50	<0.50	<0.50	625	<0.50	4.20	<50.0
MW6H	05/03/05	---	<0.50	<0.50	<0.50	436	<0.50	3.10	<50.0
MW6H	08/04/05	---	<0.500	<0.500	<0.500	530	<0.500	3.73	<50.0
MW6H	10/27/05	---	<0.500	<0.500	<0.500	422	<0.500	4.62	<100
MW6H	01/26/06	---	<25	<25	<25	<1,000	<25	<25	<5,000
MW6H	04/28/06	---	<25	<25	<25	<1,000	<25	<25	<5,000
MW6H	07/05/06	---	<0.500	<0.500	<0.500	137	<0.500	2.41	<50.0
MW6H	10/27/06	---	<0.500	<0.500	<0.500	131	<0.500	3.61	<100
MW6H	01/19/07	---	<0.500	25.7	28.1	161	<0.500	2.96	<50.0
MW6H	04/24/07	---	<0.500	<0.500	<0.500	173	<0.500	1.97	<50.0
MW6H	07/24/07	---	<0.50	<0.50	<0.50	140	<0.50	3.8	<100
MW6H	12/03/07	---	<0.50	<0.50	<0.50	150	<0.50	7.0	<100
MW6H	03/06/08	---	<0.50	<0.50	<0.50	92	<0.50	1.8	<100
MW6H	06/26/08	---	<0.50	<0.50	<0.50	80	<0.50	1.6	<100
MW6H	08/12/08	---	<0.500	<0.500	<0.500	66.6	<0.500	1.79	<50.0
MW6H	10/30/08	---	<0.50	<0.50	<0.50	76	<0.50	2.4	<50
MW6H	03/25/09	---	<50	<50	<50	<500	<50	<50	<5,000

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6H	06/17/09	---	<50	<50	<50	<500	<50	<50	<5,000
MW6H	06/17/09	---	<50	<50	<50	<500	<50	<50	<5,000
MW6H	09/04/09	---	<20	<20	<20	<200	<20	<20	<2,000
MW6H	03/09/10	---	<20	<20	<20	<200	<20	<20	<2,000
MW6H	09/17/10	---	---	---	<12	<120	<12	<12	<1,200
MW6H	02/15/11	---	<10	<10	<10	<100	<10	<10	<1,000
MW6H	08/23/11	---	<10	<10	<10	<100	<10	<10	<1,000
MW6H	02/09/12	---	<0.50	<0.50	<0.50	9.5s	<0.50	1.2	<50
MW6H	07/24/12	---	<20	<20	<20	<200	<20	<20	<2,000
MW6H	**03/11/13**	**---**	**<20**	**<20**	**<20**	**<200**	**<20**	**<20**	**<2,000**
MW6I	Dec-88	---	Well installed.						
MW6I	12/07/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6I	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6I	06/17/03 b	---	---	---	---	---	---	---	---
MW6I	07/16/03	---	<0.50	<0.50	<0.50	16.4	<0.50	<0.50	<100
MW6I	10/07/03 b	---	---	---	---	---	---	---	---
MW6I	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6I	05/03/04 b	---	---	---	---	---	---	---	---
MW6I	06/03/04 b	---	---	---	---	---	---	---	---
MW6I	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6I	11/04/04 b	---	---	---	---	---	---	---	---
MW6I	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6I	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6I	10/27/05 b	---	---	---	---	---	---	---	---
MW6I	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100
MW6I	04/28/06 b	---	---	---	---	---	---	---	---
MW6I	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6I	10/27/06 b	---	---	---	---	---	---	---	---
MW6I	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6I	04/24/07 b	---	---	---	---	---	---	---	---
MW6I	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
MW6I	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	06/26/08 b	---	---	---	---	---	---	---	---
MW6I	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6I	10/23/08 b	---	---	---	---	---	---	---	---
MW6I	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	06/17/09 b	---	---	---	---	---	---	---	---
MW6I	09/04/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	---
MW6I	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	08/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	07/24/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	**03/11/13**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<50**
MW6J	04/06/01	---	Well installed.						

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6J	07/05/01 - 10/02/02	---	Not analyzed for these analytes.						
MW6J	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6J	06/17/03	---	<0.50	0.90	<0.50	<10.0	<0.50	<0.50	<100
MW6J	07/16/03	---	<0.50	1.00	<0.50	<10.0	<0.50	<0.50	<100
MW6J	10/07/03	---	<0.50	<0.5	<0.50	<10.0	<0.50	<0.50	<100
MW6J	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6J	06/03/04	---	<0.50	2.00	<0.50	<10.0	<0.50	<0.50	<50.0
MW6J	08/12/04	---	<0.50c	1.20c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6J	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6J	02/01/05	---	<0.50	1.20	<0.50	<10.0	<0.50	<0.50	<50.0
MW6J	05/03/05	---	<0.50	1.20	<0.50	<10.0	<0.50	<0.50	<50.0
MW6J	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6J	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100
MW6J	01/26/06	---	<0.50	1.1	<0.50	<20	<0.50	<0.50	<100
MW6J	04/28/06	---	<0.50	1.3	<0.50	<20	<0.50	<0.50	---
MW6J	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6J	10/27/06	---	<0.500	1.04	<0.500	<10.0	<0.500	<0.500	---
MW6J	01/19/07	---	<0.500	1.15	<0.500	<10.0	<0.500	<0.500	<50.0
MW6J	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6J	07/24/07	---	<0.50	1.1	<0.50	<20	<0.50	<0.50	---
MW6J	12/03/07	---	<0.50	1.8	<0.50	<10	<0.50	<0.50	---
MW6J	03/06/08	---	Well inaccessible due to encroachment permit restrictions.						
MW6J	06/26/08	---	Well inaccessible due to encroachment permit restrictions.						
MW6J	08/12/08	---	Well inaccessible due to encroachment permit restrictions.						
MW6J	10/23/08	---	<0.50	0.59	<0.50	<5.0	<0.50	<0.50	<50
MW6J	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6J	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6J	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6J	09/04/09	---	<0.50	0.74	<0.50	<5.0	<0.50	<0.50	---
MW6J	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6J	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	---
MW6J	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6J	08/23/11	---	<0.50	0.58	<0.50	<5.0	<0.50	<0.50	---
MW6J	02/09/12	---	<0.50	<0.50	<0.50	8.5s	<0.50	<0.50	---
MW6J	07/24/12	---	<0.50	0.72	<0.50	<5.0	<0.50	<0.50	---
MW6J	**03/08/13 t**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6Ka	**06/21/13 v**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6Kb	**06/21/13**	**---**	**<10**	**<10**	**<10**	**<100**	**<10**	**<10**	**<1,000**
MW6La	**06/21/13 v**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6Lb	**06/21/13**	**---**	**<5.0**	**<5.0**	**<5.0**	**<50**	**<5.0**	**<5.0**	**<500**
RW1	05/10/90	---	Well installed.						
RW1	10/16/90 - 10/02/02	---	Not analyzed for these analytes.						

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
RW1	01/07/03	---	<10.0	<10.0	<10.0	<200	<10.0	<10.0	---
RW1	06/17/03	---	<0.50	<0.50	<0.50	324	<0.50	<0.50	<100
RW1	07/16/03	---	<10.0	1.70	<0.50	110	<0.50	1.10	<100
RW1	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
RW1	01/14/04	---	<0.50	<0.50	<0.50	234	<0.50	0.90	<50.0
RW1	06/03/04	---	<0.50	<0.50	<0.50	338	<0.50	1.30	<50.0
RW1	08/12/04	---	1.30c	<0.50c	<0.50c	437c	<0.50c	1.20c	<50.0c
RW1	11/04/04	---	<0.50	<0.50	<0.50	541	<0.50	<0.50	<50.0
RW1	02/01/05	---	<0.50	<0.50	<0.50	261	<0.50	1.80	<50.0
RW1	05/03/05	---	<0.50	<0.50	<0.50	200	<0.50	<0.50	<50.0
RW1	08/04/05	---	<0.500	<0.500	<0.500	169	<0.500	<0.500	<50.0
RW1	10/27/05	---	<0.500	<0.500	<0.500	152	<0.500	0.660	<100
RW1	01/26/06	---	<2.5	<2.5	<2.5	280	<2.5	<2.5	<500
RW1	04/28/06	---	<0.50	<0.50	<0.50	86	<0.50	<0.50	<100
RW1	07/05/06	---	1.02	<0.500	<0.500	80.5	<0.500	<0.500	<50.0
RW1	10/27/06	---	<0.500	<0.500	<0.500	104	<0.500	<0.500	<100
RW1	01/19/07	---	<0.500	<0.500	<0.500	64.6	<0.500	<0.500	<50.0
RW1	04/24/07	---	<0.500	<0.500	<0.500	70.8	<0.500	<0.500	<50.0
RW1	07/24/07	---	<0.50	<0.50	<0.50	17	<0.50	<0.50	<100
RW1	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
RW1	03/06/08	---	<0.50	<0.50	<0.50	37	<0.50	<0.50	<100
RW1	06/26/08	---	<0.50	<0.50	<0.50	18	<0.50	<0.50	<100
RW1	08/12/08	---	0.710	<0.500	<0.500	23.3	<0.500	<0.500	<50.0
RW1	10/30/08	---	<0.50	<0.50	<0.50	43	<0.50	<0.50	<50
RW1	03/25/09	---	<0.50	<0.50	<0.50	46	<0.50	<0.50	<50
RW1	06/17/09	---	<0.50	<0.50	<0.50	80	<0.50	0.79	<50
RW1	06/17/09	---	<0.50	<0.50	<0.50	80	<0.50	0.79	<50
RW1	09/04/09	---	<0.50	<0.50	<0.50	60	<0.50	0.55	<50
RW1	03/09/10	---	<0.50	<0.50	<0.50	70	<0.50	0.61	<50
RW1	09/17/10	---	---	---	<1.0	56	<1.0	<1.0	---
RW1	02/15/11	---	<1.0	<1.0	<1.0	35	<1.0	<1.0	---
RW1	08/23/11	---	<0.50	<0.50	<0.50	25	<0.50	<0.50	---
RW1	02/09/12	---	<0.50	<0.50	<0.50	23	<0.50	<0.50	---
RW1	07/24/12	---	<0.50	<0.50	<0.50	30	<0.50	<0.50	<50
RW1	**03/11/13**	**---**	**<0.50**	**<0.50**	**<0.50**	**22**	**<0.50**	**<0.50**	**<50**
RW2	10/16/90 - 10/02/02	---	Not analyzed for these analytes.						
RW2	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
RW2	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
RW2	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
RW2	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
RW2	01/14/04	---	<0.50	<0.50	<0.50	370	<0.50	<0.50	<50.0
RW2	06/03/04	---	<0.50	<0.50	<0.50	370	<0.50	<0.50	<50.0
RW2	08/12/04	---	1.30c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
RW2	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
RW2	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
RW2	05/03/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
RW2	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
RW2	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100

TABLE 1B
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Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
RW2	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100
RW2	04/28/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	---
RW2	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
RW2	10/27/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
RW2	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
RW2	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
RW2	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
RW2	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	06/26/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
RW2	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
RW2	10/23/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
RW2	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	09/04/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	---
RW2	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	08/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	07/24/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	**03/11/13**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<50**
RW3	10/16/90 - 10/16/91	---	Not analyzed for these analytes.						
RW3	11/05/91	---	Well destroyed.						
RW3A	08/24/92	---	Well installed in place of RW3.						
RW3A	08/24/98 - 10/02/02	---	Not analyzed for these analytes.						
RW3A	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
RW3A	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	1.20	<100
RW3A	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	1.40	<100
RW3A	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	1.40	<100
RW3A	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	2.20	<50.0
RW3A	06/03/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	1.20	<50.0
RW3A	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	1.10c	<50.0c
RW3A	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
RW3A	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	2.10	<50.0
RW3A	05/03/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	0.60	<50.0
RW3A	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
RW3A	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	0.980	<100
RW3A	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	3.2	<100
RW3A	04/28/06	---	<0.50	<0.50	<0.50	<20	<0.50	1.5	<100
RW3A	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	1.20	<50.0
RW3A	10/27/06	---	<0.500	<0.500	<0.500	17.3	<0.500	3.90	<100
RW3A	01/19/07	---	<0.500	1.30	<0.500	<10.0	<0.500	1.55	<50.0
RW3A	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	1.61	<50.0
RW3A	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	3.1	<100
RW3A	12/03/07	---	<0.50	<0.50	<0.50	30	<0.50	7.5	<100

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
RW3A	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.88	<100
RW3A	06/26/08	---	<0.50	<0.50	<0.50	13	<0.50	3.0	<100
RW3A	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	1.40	<50.0
RW3A	10/30/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	1.4	<50
RW3A	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.72	<50
RW3A	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.85	<50
RW3A	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.85	<50
RW3A	09/04/09	---	<0.50	<0.50	<0.50	6.5	<0.50	1.3	<50
RW3A	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.63	<50
RW3A	09/17/10	---	---	---	<0.50	9.8	<0.50	2.1	<50
RW3A	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.73	<50
RW3A	08/23/11	---	<0.50	<0.50	<0.50	8.9	<0.50	1.6	<50
RW3A	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	1.4	<50
RW3A	07/24/12	---	<0.50	<0.50	<0.50	17	<0.50	3.0	<50
RW3A	**03/11/13**	**---**	**<0.50**	**<0.50**	**<0.50**	**13**	**<0.50**	**2.4**	**<50**
Grab Groundwater Samples									
W-Comp	10/26/00	---	---	---	---	---	---	---	---
W-15-CPT1	10/24/08	15	<10	<10	<10	270	<10	<10	<1,000
W-38-CPT1	10/24/08	38	<2.5	<2.5	<2.5	<25	<2.5	<2.5	<250
W-15 -CPT2	10/27/08	15	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
W-29 -CPT2	10/27/08	29	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
W-39 -CPT2	10/27/08	39	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
W-14 -CPT3	10/23/08	14	<10	<10	<10	260	<10	<10	<1,000
W-13-GP1	03/29/00	13	---	---	---	---	---	---	---
W-23-GP1	03/29/00	23	---	---	---	---	---	---	---
W-12-GP2	03/29/00	12	---	---	---	---	---	---	---
W-23-GP2	03/29/00	23	---	---	---	---	---	---	---
W-15-B7	03/05/07	15	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
W-22-B7	03/05/07	22	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
W-14-B8	03/02/07	14	<0.50	<0.50	<0.50	<12	<0.50	<0.50	<100
W-14-16-B9	03/06/07	14-16	<50	<50	<50	<500	<50	<50	<10,000
W-22.5-24-B9	03/06/07	22.5-24	<1.0	<1.0	<1.0	<10	<1.0	3.4	<200
UOW r	11/27/91	---	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Notes:		
TOC Elev.	=	Top of casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level.
NAPL	=	Non-aqueous phase liquid.
Sheen	=	Liquid-phase hydrocarbon present as sheen.
in.	=	Inches of floating product.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015B (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015B (modified).
TPHmo	=	Total petroleum hydrocarbons as motor oil using EPA Method 8015B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 602 or 8021B.
TDS	=	Total dissolved solids analyzed using Standard Method 2540C.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
Metals	=	Metals analyzed using EPA Method 200.7.
µg/L	=	Micrograms per liter.
mg/L	=	Milligrams per liter.
<	=	Less than the indicated reporting limit shown by the laboratory.
---	=	Not measured/Not sampled/Not analyzed.
a	=	Analyses performed past EPA recommended holding time.
b	=	Well sampled semi-annually.
c	=	Groundwater elevation data invalidated; analytical results suspect.
d	=	The chromatographic pattern does not match that of the specified standard.
e	=	TRPH-diesel surrogate was diluted out due to sample matrix
f	=	Analyte detected in Matrix Spike and Matrix Spike Duplicate.
g	=	Elevated result due to single analyte peak in quantitation range.
h	=	Initial analysis within EPA recommended hold time. Re-analysis for dilution performed past hold time.
i	=	Based on assigned benchmark with elevation arbitrarily set at 100 feet.
j	=	Benchmark is City of Oakland #37J.
k	=	Sample container broken in shipment. Analyses not performed.
l	=	Analyte detected in associated method blank.
m	=	Sample received above recommended temperature.
n	=	Analyte detected in bailer bank.
o	=	Analyte presence was not confirmed by second column or GC/MS analysis.
p	=	Analyzed using EPA Method 624.
q	=	Insufficient sample volume.
r	=	Additional analyses: TOG - 580 µg/L; HVOCs - ND except for 70 µg/L of bromoform.
s	=	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Notes:

t = Well inaccessible.

u = DTW measured in the field indicates less than 6 inches of water in the well, which is not representative of the actual groundwater table. Groundwater elevation not calculated, data not used to compile groundwater elevation map.

v = Not enough water to sample.

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - METALS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	Arsenic (µg/L)	Lead (µg/L)	Cadmium (µg/L)	Chromium	Copper (µg/L)	Iron (µg/L)	Nickel (µg/L)	Silver (µg/L)	Zinc (µg/L)
Monitoring Well Samples											
Not analyzed for these analytes.											
Grab Groundwater Samples											
W-Comp	10/26/00	---	11.5	<5	<5	<10	<10	825	27.5	<10	28.5
W-15-CPT1	10/24/08	15	---	---	---	---	---	---	---	---	---
W-38-CPT1	10/24/08	38	---	---	---	---	---	---	---	---	---
W-15 -CPT2	10/27/08	15	---	---	---	---	---	---	---	---	---
W-29 -CPT2	10/27/08	29	---	---	---	---	---	---	---	---	---
W-39 -CPT2	10/27/08	39	---	---	---	---	---	---	---	---	---
W-14 -CPT3	10/23/08	14	---	---	---	---	---	---	---	---	---
W-41-CPT3	10/23/08	41	---	---	---	---	---	---	---	---	---
W-13-GP1	03/29/00	13	---	---	---	---	---	---	---	---	---
W-23-GP1	03/29/00	23	---	---	---	---	---	---	---	---	---
W-12-GP2	03/29/00	12	---	---	---	---	---	---	---	---	---
W-23-GP2	03/29/00	23	---	---	---	---	---	---	---	---	---
W-15-B7	03/05/07	15	---	---	---	---	---	---	---	---	---
W-22-B7	03/05/07	22	---	---	---	---	---	---	---	---	---
W-14-B8	03/02/07	14	---	---	---	---	---	---	---	---	---
W-14-16-B9	03/06/07	14-16	---	---	---	---	---	---	---	---	---
W-22.5-24-B9	03/06/07	22.5-24	---	---	---	---	---	---	---	---	---
UOW r	11/27/91	---	---	<100	<5	<10	---	---	30	---	10

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - METALS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Notes:

TOC Elev.	=	Top of casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level.
NAPL	=	Non-aqueous phase liquid.
Sheen	=	Liquid-phase hydrocarbon present as sheen.
in.	=	Inches of floating product.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015B (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015B (modified).
TPHmo	=	Total petroleum hydrocarbons as motor oil using EPA Method 8015B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 602 or 8021B.
TDS	=	Total dissolved solids analyzed using Standard Method 2540C.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
Metals	=	Metals analyzed using EPA Method 200.7.
µg/L	=	Micrograms per liter.
mg/L	=	Milligrams per liter.
<	=	Less than the indicated reporting limit shown by the laboratory.
---	=	Not measured/Not sampled/Not analyzed.
a	=	Analyses performed past EPA recommended holding time.
b	=	Well sampled semi-annually.
c	=	Groundwater elevation data invalidated; analytical results suspect.
d	=	The chromatographic pattern does not match that of the specified standard.
e	=	TRPH-diesel surrogate was diluted out due to sample matrix
f	=	Analyte detected in Matrix Spike and Matrix Spike Duplicate.
g	=	Elevated result due to single analyte peak in quantitation range.
h	=	Initial analysis within EPA recommended hold time. Re-analysis for dilution performed past hold time.
i	=	Based on assigned benchmark with elevation arbitrarily set at 100 feet.
j	=	Benchmark is City of Oakland #37J.
k	=	Sample container broken in shipment. Analyses not performed.
l	=	Analyte detected in associated method blank.
m	=	Sample received above recommended temperature.
n	=	Analyte detected in bailer bank.
o	=	Analyte presence was not confirmed by second column or GC/MS analysis.
p	=	Analyzed using EPA Method 624.
q	=	Insufficient sample volume.
r	=	Additional analyses: TOG - 580 µg/L; HVOCs - ND except for 70 µg/L of bromoform.
s	=	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - METALS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Notes:

t = Well inaccessible.

u = DTW measured in the field indicates less than 6 inches of water in the well, which is not representative of the actual groundwater table. Groundwater elevation not calculated, data not used to compile groundwater elevation map.

v = Not enough water to sample.

TABLE 2
WELL CONSTRUCTION DETAILS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Well Installation Date	TOC Elevation (feet)	Borehole Diameter (inches)	Total Depth of Boring (feet bgs)	Well Depth (feet bgs)	Casing Diameter (inches)	Well Casing Material	Screened Interval (feet bgs)	Slot Size (inches)	Filter Pack Interval (feet bgs)	Filter Pack Material
MW6A	Well destroyed in 1992.										
MW6B	June 1988	21.09	8	21.5	19	2	PVC	9-19	0.020	7-20	#3 Sand
MW6C	Well converted to groundwater recovery well RW3 in 1990.										
MW6D	Well converted to groundwater recovery well RW2 in 1990.										
MW6E	10/04/88	21.24	10.5	21.5	20.5	4	PVC	10-19.5	0.020	8-21.5	#3 Sand
MW6F	10/05/88	22.17	10.5	22	20	4	PVC	10-19.5	0.020	8-22	#3 Sand
MW6G	11/16/88	20.46	8	20	20	4	PVC	10-19.5	0.020	8-20	#3 Sand
MW6H	11/16/88	20.20	8	21	20	4	PVC	10-19.5	0.020	8-21	#3 Sand
MW6I	11/17/88	19.87	8	21	20	4	PVC	10-19.5	0.020	8-21	#3 Sand
MW6J	04/06/01	20.75	8	23	23	2	PVC	6-23	0.020	6-23	#2/12 Sand
MW6Ka	06/13/13	21.04	10	13	13	4	PVC	11-13	0.020	9-13	#3 Sand
MW6Kb	06/13/13	20.81	8	20	19	2	PVC	16-19	0.020	15-19	#3 Sand
MW6La	06/12/13	21.18	10	13	13	4	PVC	11-13	0.020	9-13	#3 Sand
MW6Lb	06/12/13	21.19	8	20	18	2	PVC	16-18	0.020	15-18	#3 Sand
RW1	05/10/90	20.43	12	25	25	4	PVC	9.5-24.5	0.020	8.5-25	#3 Sand
RW2	07/06/88	20.64	12	25	25	4	PVC	9.5-24.5	0.020	9.5-25	#3 Sand
RW3	Well destroyed in 1991 and replaced with well RW3A in 1992.										
RW3A	08/24/92	21.89	12	21.5	21.5	4	PVC	9-21	0.020	8-21.5	#3 Sand
VW1	06/05/92	NS	NS	11	11	4	PVC	6-11	0.020	NS	NS
VW2	06/05/92	NS	NS	11	11	4	PVC	6-11	0.020	NS	NS
VW3	08/24/92	NS	12	13.5	13.5	4	PVC	4-13.5	0.050	4-13.5	Aquarium Sand

Notes:
TOC = Top of well casing elevation; datum is mean sea level.
PVC = Polyvinyl chloride.
feet bgs = feet below ground surface.
NS = Not specified.

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Sample ID	Sample Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	o-X (mg/kg)	p/m-X (mg/kg)	X (mg/kg)	Lead (mg/kg)	HVOCs (mg/kg)	TPHmo (mg/kg)	TOG (mg/kg)
Soil Boring Samples															
B-1 (HLA)	10/04/88	8.0	---	<10	---	0.05	<0.1	<0.2	---	---	<0.1	---	---	---	---
B-1 (HLA)	10/04/88	13.0	---	2,000	---	<5	16	10	---	---	41	---	---	---	---
B-2 (HLA)	10/04/88	7.0	---	<10	---	<0.05	<0.1	<0.2	---	---	<0.1	---	---	---	---
B-2 (HLA)	10/04/88	13.5	---	<10	---	<0.05	<0.1	<0.2	---	---	<0.1	---	---	---	---
B-3 (HLA)	10/04/88	7.0	---	<10	---	0.06	<0.1	<0.2	---	---	<0.1	---	---	---	---
B-3 (HLA)	10/04/88	13.5	---	11,000	---	40	390	84	---	---	370	---	---	---	---
B-4 (HLA)	11/17/88	13.5	---	<10	---	<0.05	<0.1	<0.2	---	---	<0.1	---	---	---	---
MW-6E	10/05/88	13.0	---	<10	---	<0.05	<0.1	<0.2	---	---	<0.1	---	---	---	---
MW-6F	10/05/88	13.0	---	<10	---	<0.05	<0.1	<0.2	---	---	<0.1	---	---	---	---
MW-6G	11/16/88	13.5	---	5.2	---	<0.05	<0.1	<0.2	---	---	<0.1	---	---	---	---
MW-6H	11/16/88	13.5	---	1,000	---	<0.5	3.2	3.2	---	---	19	---	---	---	---
MW-6I	11/17/88	13.5	---	<10	---	<0.05	<0.1	<0.2	---	---	<0.1	---	---	---	---
B-5 (HLA)	1989-1992e	5.5	---	ND	---	ND	ND	ND	---	---	ND	---	---	---	---
B-5 (HLA)	1989-1992e	9.5	---	ND	---	ND	ND	ND	---	---	ND	---	---	---	---
B-5 (HLA)	1989-1992e	12.5	---	ND	---	ND	ND	ND	---	---	ND	---	---	---	---
B-6 (HLA)	1989-1992e	6.0	---	ND	---	ND	ND	ND	---	---	ND	---	---	---	---
B-6 (HLA)	1989-1992e	9.5	---	ND	---	ND	ND	ND	---	---	ND	---	---	---	---
B-6 (HLA)	1989-1992e	12.0	---	3,000		40	40	110	---	---	450	---	---	---	---
B-7 (HLA)	1989-1992e	6.0	---	24	---	0.64	0.4	0.9	---	---	3.4	---	---	---	---
B-7 (HLA)	1989-1992e	9.5	---	ND	---	0.5	ND	0.7	---	---	1	---	---	---	---
B-7 (HLA)	1989-1992e	12.0	---	1,400	---	20	20	72	---	---	190	---	---	---	---
B-1 (Alton)	03/19/91	5.5	---	240	---	1.2	0.87	11	---	---	7.7	---	---	---	---
B-1 (Alton)	03/19/91	10.5	---	10,000	---	81	660	310	---	---	1,600	---	---	---	---
B-1 (Alton)	03/19/91	15.5	---	4,400	---	8.4	77	56	---	---	310	---	---	---	---
B-2 (Alton)	03/19/91	5.5	---	880	---	1	7.2	11	---	---	47	---	---	---	---
B-2 (Alton)	03/19/91	10.5	---	2,400	---	3.5	38	26	---	---	150	---	---	---	---
B-2 (Alton)	03/19/91	14.5	---	9,900	---	33	170	150	---	---	980	---	---	---	---
B-3 (Alton)	03/19/91	5.5	---	<1.0	---	<0.003	<0.003	<0.003	---	---	<0.003	---	---	---	---
B-3 (Alton)	03/19/91	10.5	---	11	---	0.022	0.14	0.18	---	---	3.2	---	---	---	---
B-4 (Alton)	03/19/91	5.5	---	<1.0	---	0.036	<0.003	<0.003	---	---	<0.003	---	---	---	---
B-4 (Alton)	03/19/91	10.5	---	7	---	0.37	0.15	0.18	---	---	0.93	---	---	---	---

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Sample ID	Sample Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	o-X (mg/kg)	p/m-X (mg/kg)	X (mg/kg)	Lead (mg/kg)	HVOCs (mg/kg)	TPHmo (mg/kg)	TOG (mg/kg)
B-5 (Alton)	03/19/91	5.5	---	310	---	0.82	3.6	4.2	---	---	22	---	---	---	---
B-5 (Alton)	03/19/91	10.5	---	40	---	0.69	1.4	0.58	---	---	3.2	---	---	---	---
B-6 (Alton)	03/19/91	5.5	---	<1.0	---	0.054	0.003	0.005	---	---	0.011	---	---	---	---
B-6 (Alton)	03/19/91	10.5	---	2	---	0.15	0.067	0.019	---	---	0.09	---	---	---	---
B-7 (Alton)	03/19/91	5.5	---	<1.0	---	<0.003	<0.003	<0.003	---	---	<0.003	---	---	---	---
B-7 (Alton)	03/19/91	10.5	---	<1.0	---	<0.003	<0.003	<0.003	---	---	<0.003	---	---	---	---
B-8 (Alton)	03/19/91	5.5	---	<1.0	---	<0.003	<0.003	<0.003	---	---	<0.003	---	---	---	---
B-8 (Alton)	03/19/91	10.5	---	<1.0	---	0.048	0.013	<0.003	---	---	0.025	---	---	---	---
B-9 (Alton)	03/19/91	5.5	---	---	---	---	---	---	---	---	---	---	---	---	<50
B-9 (Alton)	03/19/91	10.5	---	---	---	---	---	---	---	---	---	---	---	---	<50
B-9 (Alton)	03/19/91	14.5	---	---	---	---	---	---	---	---	---	---	---	---	<50
B-10 (Alton)	03/19/91	5.5	---	<1.0	---	0.085	<0.003	0.006	---	---	<0.003	---	---	---	---
B-10 (Alton)	03/19/91	10.5	---	2	---	0.27	0.075	0.026	---	---	0.1	---	---	---	---
S-9-GP1	03/29/00	9.0	---	<1	<0.001a	<0.001	<0.001	<0.001	---	---	<0.001	---	---	---	---
S-11-GP1	03/29/00	11.0	---	<1	<0.001a	<0.001	<0.001	<0.001	---	---	<0.001	---	---	---	---
S-9-GP2	03/29/00	9.0	---	<1	<0.001a	<0.001	<0.001	<0.001	---	---	<0.001	---	---	---	---
S-11-GP2	03/29/00	11.0	---	<1	<0.001a	<0.001	<0.001	<0.001	---	---	<0.001	---	---	---	---
S-5-MW6J	04/06/01	5.0	<2	<1	<0.01	<0.001	<0.001	<0.001	---	---	<0.001	---	---	<10	---
S-10-MW6J	04/06/01	10.0	<2	<5	<0.01	<0.005	<0.005	<0.005	---	---	<0.005	---	---	<10	---
S-15-MW6J	04/06/01	15.0	<2	<1	<0.01	<0.001	<0.001	<0.001	---	---	<0.001	---	---	<10	---
S-20-MW6J	04/06/01	20.0	<2	<1	<0.01	<0.001	<0.001	0.013	---	---	0.037	---	---	<10	---
S-5-B5	03/01/07	5.0	1.6c,d	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	---	---	<0.0010	---	---	<10	---
S-5-B7	03/05/07	5.0	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	---	---	<0.0010	---	---	<10	---
S-10-B7	03/05/07	10.0	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	---	---	<0.0010	---	---	<10	---
S-15-B7	03/05/07	15.0	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	---	---	<0.0010	---	---	<10	---
S-16.5-B7	03/05/07	16.5	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	---	---	<0.0010	---	---	<10	---
S-19-B7	03/05/07	19.0	1.0c	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	---	---	<0.0010	---	---	<10	---
S-21-B7	03/05/07	21.0	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	---	---	<0.0010	---	---	<10	---
S-5-B8	03/01/07	5.0	1.2c,d	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	---	---	<0.0010	---	---	<10	---
S-10-B8	03/01/07	10.0	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	---	---	<0.0010	---	---	<10	---

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Sample ID	Sample Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	o-X (mg/kg)	p/m-X (mg/kg)	X (mg/kg)	Lead (mg/kg)	HVOCs (mg/kg)	TPHmo (mg/kg)	TOG (mg/kg)
S-5-B9	03/02/07	5.0	1.3c,d	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	---	---	<0.0010	---	---	<10	---
S-10-B9	03/02/07	10.0	1.8c,d	1.3	0.016	0.13	0.11	0.042	---	---	0.17	---	---	<10	---
S-11-B9	03/02/07	11.0	1.8c,d	12	<0.0050	0.18	0.36	0.22	---	---	0.92	---	---	<10	---
S-15-B9	03/06/07	15.0	<1.0	1.9	0.0067	0.48	0.032	0.042	---	---	0.12	---	---	<10	---
S-19.5-B9	03/06/07	19.5	<1.0	<0.10	0.005	0.0068	<0.0010	<0.0010	---	---	<0.0010	---	---	<10	---
S-23.5-B9	03/06/07	23.5	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	---	---	<0.0010	---	---	<10	---
S-29.5-B9	03/06/07	29.5	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	---	---	<0.0010	---	---	<10	---
S-10-DP1	10/28/08	10.0	6.0	<0.50	0.030	0.17	<0.0050	0.032	---	---	0.066	---	---	<25	---
S-15-DP1	10/28/08	15.0	<5.0	5.8	<0.0050	0.094	0.057	0.057	---	---	0.13	---	---	<25	---
S-20-DP1	10/28/08	20.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	---	---	0.021	---	---	<25	---
S-25-DP1	10/28/08	25.0	36	<0.50	0.0052	<0.0050	<0.0050	<0.0050	---	---	<0.010	---	---	27	---
S-30-DP1	10/28/08	30.0	7.9	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.010	---	---	<25	---
S-10-DP2	10/28/08	10.0	34	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.010	---	---	26	---
S-15-DP2	10/28/08	15.0	13	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.010	---	---	<25	---
S-20-DP2	10/28/08	20.0	17	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.010	---	---	<25	---
S-25-DP2	10/28/08	25.0	15	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.010	---	---	<25	---
S-30-DP2	10/28/08	30.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.010	---	---	<25	---
S-5-CPT1	10/22/08	5.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.010	---	---	<25	---
S-5-CPT2	10/22/08	5.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.010	---	---	<25	---
S-5-CPT3	10/22/08	5.0	11	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.010	---	---	41	---
S-4-MW6Ka	06/11/13	4.0	19c	10	<0.0050	0.010	<0.0050	0.22	0.062	0.13	0.19	---	---	---	---
S-7-MW6Ka	06/11/13	7.0	<5.0	1.3c	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	---	---
S-9-MW6Ka	06/13/13	9.0	<5.0	3.0	<0.0050	0.055	0.038	0.034	0.030	0.075	0.10	---	---	---	---
S-2-MW6Kb	06/11/13	2.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	---	---
S-5-MW6Kb	06/11/13	5.0	<5.0	0.71c	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	---	---
S-15-MW6Kb	06/13/13	15.0	670c	2,300	<2.5	6.9	23	49	60	170	230	---	---	---	---
S-19.5-MW6Kb	06/13/13	19.5	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	---	---
S-4-MW6La	06/11/13	4.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	---	---
S-9-MW6La	06/12/13	9.0	<5.0	<0.50	<0.0050	0.065	<0.0050	0.015	<0.0050	0.020	0.020	---	---	---	---
S-11-MW6La	06/12/13	11.0	<5.0	0.54	0.012	0.32	0.093	0.087	0.054	0.17	0.23	---	---	---	---
S-2-MW6Lb	06/11/13	2.0	<5.0	<0.50	<0.0050	0.014	<0.0050	0.016	<0.0050	<0.010	<0.0050	---	---	---	---
S-5-MW6Lb	06/11/13	5.0	<5.0	1.9c	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	---	---
S-15-MW6Lb	06/12/13	15.0	<5.0	20	<0.0050	0.17	0.29	0.18	0.18	0.37	0.55	---	---	---	---
S-19.5-MW6Lb	06/12/13	19.5	<5.0	1.3	<0.0050	<0.0050	0.0087	0.011	0.012	0.031	0.044	---	---	---	---

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Sample ID	Sample Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	o-X (mg/kg)	p/m-X (mg/kg)	X (mg/kg)	Lead (mg/kg)	HVOCs (mg/kg)	TPHmo (mg/kg)	TOG (mg/kg)
Fuel Dispenser Samples															
AB-1	1988-1992e	8.0	---	65	---	1.9	3.4	1	---	---	4.2	---	---	---	---
AB-2	1988-1992e	Surface	---	7,200	---	<0.0025	43	14	---	---	140	---	---	---	---
AB-2	1988-1992e	2.0	---	78	---	0.83	2.1	0.76	---	---	4	---	---	---	---
AB-3	1988-1992e	2.0	---	540	---	<0.0025	<0.005	<0.0025	---	---	18	---	---	---	---
AB-4	1988-1992e	6.0	---	<1	---	<0.0025	<0.005	<0.0025	---	---	<0.0025	---	---	---	---
AB-5	1988-1992e	6.0	---	5	---	<0.0025	<0.005	0.021	---	---	0.016	---	---	---	---
AB-6	1988-1992e	5.0	---	<1	---	<0.0025	<0.005	<0.0025	---	---	<0.0025	---	---	---	---
Tank Pit Samples															
Tank Pit Bottom															
TG1	11/27/91	13.0	---	130	---	0.37	2	3	---	---	82	---	---	---	---
TG2	11/27/91	13.0	---	10,000	---	130	950	280	---	---	1,100	---	---	---	---
TG3	11/27/91	13.0	---	6,300	---	76	540	200	---	---	900	---	---	---	---
TG4	11/27/91	13.0	---	130	---	0.77	7.3	3.3	---	---	18	---	---	---	---
TG5	11/27/91	13.0	---	10	---	0.65	0.0084	0.14	---	---	0.16	---	---	---	---
TG6	11/27/91	13.0	---	12	---	<0.050	0.2	0.23	---	---	1	---	---	---	---
Tank Pit Sidewall															
TG7	12/03/91	12.0	---	430	---	1.7	15	7.2	---	---	34	<10	---	---	---
TG8	12/03/91	12.0	---	240	---	1.7	7.9	4.4	---	---	19	<10	---	---	---
TG9	12/03/91	12.0	---	<1.0	---	0.052	0.033	0.021	---	---	0.067	13	---	---	---
TG10	12/03/91	12.0	---	1.7	---	0.051	<0.005	0.044	---	---	<0.005	13	---	---	---
TG11	12/03/91	12.0	---	420	---	1.5	10	6.2	---	---	29	13	---	---	---
TG12	12/03/91	12.0	---	660	---	4.3	24	11	---	---	49	<10	---	---	---
Used-Oil Tank Pit Sample															
WO1	11/27/91	7.0	22	1.1	---	0.0057/200a	<0.005/1,200a	0.015/380a	---	---	<0.005/2,100a	<10	NDb	---	580
Product Line Trench Samples															
PL1	12/06/91	2.0	---	<4.0	---	<0.020	0.077	0.035	---	---	0.140	---	---	---	---
PL2	12/06/91	2.0	---	<1.0	---	<0.005	<0.005	<0.005	---	---	<0.005	---	---	---	---
PL3	12/06/91	2.0	---	150	---	0.690	0.450	2.3	---	---	7.3	---	---	---	---
PL4	12/06/91	2.0	---	330	---	2.7	17	5.7	---	---	29	---	---	---	---
PL5	12/06/91	2.0	---	<1.0	---	0.0053	<0.005	0.0088	---	---	0.0086	---	---	---	---
PL6	12/06/91	2.0	---	4.9	---	<0.020	0.048	0.052	---	---	0.033	---	---	---	---
PL7	12/06/91	2.0	---	38	---	<0.020	0.095	0.180	---	---	0.250	---	---	---	---
PL8	12/06/91	2.0	---	5.8	---	0.330	0.590	0.080	---	---	0.720	---	---	---	---
PL9	12/06/91	2.0	---	1.9	---	<0.005	<0.005	<0.005	---	---	<0.005	---	---	---	---
PL10	12/06/91	2.0	---	<1.0	---	<0.005	<0.005	<0.005	---	---	<0.005	---	---	---	---

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Sample ID	Sample Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	o-X (mg/kg)	p/m-X (mg/kg)	X (mg/kg)	Lead (mg/kg)	HVOCs (mg/kg)	TPHmo (mg/kg)	TOG (mg/kg)
Soil Stockpile Samples															
SS1-4	Nov-Dec 1991	---	---	120	---	<0.020	0.370	0.910	---	---	1.7	<1.0	---	---	---
SS5-8	Nov-Dec 1991	---	---	180	---	<0.050	1.9	1.7	---	---	7.8	---	---	---	---
SS9-12	Nov-Dec 1991	---	---	270	---	0.170	8.9	5.4	---	---	26	---	---	---	---
SS13-16	Nov-Dec 1991	---	---	30	---	0.022	0.480	0.300	---	---	1.5	---	---	---	---
SS17-20	Nov-Dec 1991	---	---	130	---	<0.020	1.8	1.9	---	---	7.8	---	---	---	---
SS21-24	Nov-Dec 1991	---	---	<1.0	---	<0.005	<0.005	<0.005	---	---	0.011	---	---	---	---
SS25-28	Nov-Dec 1991	---	35	1.2	---	<0.005	<0.005	0.025	---	---	0.0083	---	NDb	---	---
EA1-4	Nov-Dec 1991	---	---	46	---	<0.250	0.110	0.130	---	---	1.5	---	---	---	---
EA5-8	Nov-Dec 1991	---	---	94	---	<0.500	0.610	0.400	---	---	5.8	---	---	---	---
EA9-12	Nov-Dec 1991	---	---	390	---	<1.0	2.3	3.2	---	---	24	---	---	---	---
EA13-16	Nov-Dec 1991	---	---	80	---	0.150	0.830	0.700	---	---	4.3	---	---	---	---
EA17-20	Nov-Dec 1991	---	---	1,200	---	<1.0	16	18	---	---	100	---	---	---	---
EA21-24	Nov-Dec 1991	---	---	980	---	1.1	20	16	---	---	90	---	---	---	---
EA25-28	Nov-Dec 1991	---	---	1,900	---	12	88	37	---	---	190	19	---	---	---
EA29-32	Nov-Dec 1991	---	---	4,200	---	17	190	94	---	---	480	---	---	---	---
SP-1-1	03/29/00	---	---	<1	<0.001a	<0.001	<0.001	<0.001	---	---	<0.001	4.35	ND	---	---
SP-1-1(1-4)	04/06/01	---	<2	<1	<0.01	---	---	---	---	---	---	4.68	ND	<10	---
SP-1 (1-4)	03/07/07	---	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	---	---	<0.0010	14	---	<10	---
Comp(SP-1)	10/28/08	---	8.8	6.7	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.010	10.6	ND	<25	---
S-SP1	06/13/13	---	120c	2,700	<5.0	5.4	12	37	37	120	160	5.98	---	---	---

Notes: Alton wells B-5 through B-9 were advanced into monitoring wells MW6E through MW6I.

TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015M/8015B.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using modified EPA Method 8015M/8015B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8020 or 8021B.
Lead	=	Total lead analyzed using EPA Method 6010B.
HVOCs	=	Halogenated volatiles organic compounds using EPA Method 8260B.
TPHmo	=	Total petroleum hydrocarbons as motor oil analyzed using Modified EPA Method 8015M/8015B.
TOG	=	Total oil and grease analyzed using EPA Method 5520.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
Add'l VOCs	=	Additional volatile organic carbons analyzed using EPA Method 8260B.
PAHs	=	Polycyclic aromatic hydrocarbons analyzed using EPA Method 8720C.
Cadmium	=	Cadmium analyzed using EPA Method 6010.
Chromium	=	Chromium analyzed using EPA Method 6010.
Nickel	=	Nickel analyzed using EPA Method 6010.

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Notes (Cont.):

Zinc	=	Zinc analyzed using EPA Method 6010.
ND	=	Not detected at or above the laboratory reporting limit.
feet bgs	=	Feet below ground surface.
mg/kg	=	Milligrams per kilogram.
<	=	Less than the stated laboratory reporting limit.
---	=	Not analyzed/Not applicable/Not sampled.
a	=	Analyzed using EPA Method 8021B.
b	=	Analyzed using EPA Method 8240.
c	=	Hydrocarbon pattern does not resemble the requested fuel.
d	=	Analyte detected in associated method blank.
e	=	Exact sampling date unclear from previous consultant reports.
f	=	1,2,4-Trimethylbenzene.
g	=	1,3,5-Trimethylbenzene.
h	=	n-Butylbenzene.
i	=	n-Propylbenzene.
j	=	2-Methylnaphthalene.
k	=	Naphthalene.

TABLE 3B

ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS-VOCs

Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Sample ID	Sample Date	Depth (feet bgs)	TAME (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	ETBE (mg/kg)	Ethanol (mg/kg)	Add'l VOCs (mg/kg)	PAHs (mg/kg)
Soil Boring Samples											
Prior to March 2007, soil boring samples were not analyzed for these analytes.											
S-5-B5	03/01/07	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---
S-5-B7	03/05/07	5.0	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	---	---
S-10-B7	03/05/07	10.0	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	---	---
S-15-B7	03/05/07	15.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	---	---
S-16.5-B7	03/05/07	16.5	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	---	---
S-19-B7	03/05/07	19.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	---	---
S-21-B7	03/05/07	21.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	---	---
S-5-B8	03/01/07	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---
S-10-B8	03/01/07	10.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---
S-5-B9	03/02/07	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---
S-10-B9	03/02/07	10.0	<0.0050	0.045	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---
S-11-B9	03/02/07	11.0	<0.025	0.067	<0.025	<0.025	<0.025	<0.025	---	---	---
S-15-B9	03/06/07	15.0	<0.0050	0.034	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---
S-19.5-B9	03/06/07	19.5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---
S-23.5-B9	03/06/07	23.5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---
S-29.5-B9	03/06/07	29.5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---
S-10-DP1	10/28/08	10.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---
S-15-DP1	10/28/08	15.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---
S-20-DP1	10/28/08	20.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---
S-25-DP1	10/28/08	25.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---
S-30-DP1	10/28/08	30.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---
S-10-DP2	10/28/08	10.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---
S-15-DP2	10/28/08	15.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---
S-20-DP2	10/28/08	20.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---
S-25-DP2	10/28/08	25.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---
S-30-DP2	10/28/08	30.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---
S-5-CPT1	10/22/08	5.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---
S-5-CPT2	10/22/08	5.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---
S-5-CPT3	10/22/08	5.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---
S-4-MW6Ka	06/11/13	4.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	<5.0k	0.55j, 0.69k
S-7-MW6Ka	06/11/13	7.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	<0.050k	ND
S-9-MW6Ka	06/13/13	9.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	0.18k	ND

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS-VOCs
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Sample ID	Sample Date	Depth (feet bgs)	TAME (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	ETBE (mg/kg)	Ethanol (mg/kg)	Add'l VOCs (mg/kg)	PAHs (mg/kg)
S-2-MW6Kb	06/11/13	2.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	<0.050k	ND
S-5-MW6Kb	06/11/13	5.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	<0.050k	ND
S-15-MW6Kb	06/13/13	15.0	<5.0	<25	<5.0	<2.5	<2.5	<5.0	<120	---	---
S-19.5-MW6Kb	06/13/13	19.5	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---
S-4-MW6La	06/11/13	4.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	<0.050k	ND
S-9-MW6La	06/12/13	9.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	<0.050k	ND
S-11-MW6La	06/12/13	11.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	<0.050k	---
S-2-MW6Lb	06/11/13	2.0	<0.010	0.074	<0.010	<0.0050	<0.0050	<0.010	<0.25	<0.050k	ND
S-5-MW6Lb	06/11/13	5.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	<0.050k	ND
S-15-MW6Lb	06/12/13	15.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---
S-19.5-MW6Lb	06/12/13	19.5	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---

Fuel Dispenser Samples
Not analyzed for these analytes.

Tank Pit Samples
Not analyzed for these analytes.

Used-Oil Tank Pit Sample
Not analyzed for these analytes.

Product Line Trench Samples
Not analyzed for these analytes.

Soil Stockpile Samples
Prior to March 2007, soil stockpile samples were not analyzed for these analytes.

SP-1 (1-4)	03/07/07	---	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	---	---
Comp(SP-1)	10/28/08	---	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25	---	---
SP1	06/13/13	---	<10	<50	<10	<5.0	<5.0	<10	<250	92f, 29g, 11h, 17i	---

Notes: Alton wells B-5 through B-9 were advanced into monitoring wells MW6E through MW6I.
TPHg = Total petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015M/8015B.
TPHd = Total petroleum hydrocarbons as diesel analyzed using modified EPA Method 8015M/8015B.
MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8020 or 8021B.
Lead = Total lead analyzed using EPA Method 6010B.
HVOCs = Halogenated volatiles organic compounds using EPA Method 8260B.
TPHmo = Total petroleum hydrocarbons as motor oil analyzed using Modified EPA Method 8015M/8015B.
TOG = Total oil and grease analyzed using EPA Method 5520.
TAME = Tertiary amyl methyl ether analyzed using EPA Method 8260B.

TABLE 3B

ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS-VOCs

Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Notes (Cont.):		
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
Add'l VOCs	=	Additional volatile organic carbons analyzed using EPA Method 8260B.
PAHs	=	Polycyclic aromatic hydrocarbons analyzed using EPA Method 8720C.
Cadmium	=	Cadmium analyzed using EPA Method 6010.
Chromium	=	Chromium analyzed using EPA Method 6010.
Nickel	=	Nickel analyzed using EPA Method 6010.
Zinc	=	Zinc analyzed using EPA Method 6010.
ND	=	Not detected at or above the laboratory reporting limit.
feet bgs	=	Feet below ground surface.
mg/kg	=	Milligrams per kilogram.
<	=	Less than the stated laboratory reporting limit.
---	=	Not analyzed/Not applicable/Not sampled.
a	=	Analyzed using EPA Method 8021B.
b	=	Analyzed using EPA Method 8240.
c	=	Hydrocarbon pattern does not resemble the requested fuel.
d	=	Analyte detected in associated method blank.
e	=	Exact sampling date unclear from previous consultant reports.
f	=	1,2,4-Trimethylbenzene.
g	=	1,3,5-Trimethylbenzene.
h	=	n-Butylbenzene.
i	=	n-Propylbenzene.
j	=	2-Methylnaphthalene.
k	=	Naphthalene.

TABLE 3C
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS-METALS
Former Exxon Service Station 7-0235
2225 Telegraph Avenue
Oakland, California

Sample ID	Sample Date	Depth (feet bgs)	Cadmium (mg/kg)	Chromium (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)	Sulfides (mg/kg)	Cyanide (mg/kg)
Soil Boring Samples								
Not analyzed for these analytes.								
Fuel Dispenser Samples								
Not analyzed for these analytes.								
Tank Pit Samples								
Not analyzed for these analytes.								
Used-Oil Tank Pit Sample								
WO1	11/27/91	7.0	1.3	48	81	42	---	---
Product Line Trench Samples								
Not analyzed for these analytes.								
Soil Stockpile Samples								
SS1-4	Nov-Dec 1991	---	---	---	---	---	---	---
SS5-8	Nov-Dec 1991	---	---	---	---	---	---	---
SS9-12	Nov-Dec 1991	---	---	---	---	---	---	---
SS13-16	Nov-Dec 1991	---	---	---	---	---	---	---
SS17-20	Nov-Dec 1991	---	---	---	---	---	<1.0	<0.5
SS21-24	Nov-Dec 1991	---	---	---	---	---	<1.0	<0.5
SS25-28	Nov-Dec 1991	---	---	---	---	---	---	---
EA1-4	Nov-Dec 1991	---	---	---	---	---	---	---
EA5-8	Nov-Dec 1991	---	---	---	---	---	---	---
EA9-12	Nov-Dec 1991	---	---	---	---	---	---	---
EA13-16	Nov-Dec 1991	---	---	---	---	---	---	---
EA17-20	Nov-Dec 1991	---	---	---	---	---	---	---
EA21-24	Nov-Dec 1991	---	---	---	---	---	---	---
EA25-28	Nov-Dec 1991	---	<1.0b	43b	55b	41b	---	---
EA29-32	Nov-Dec 1991	---	---	---	---	---	---	---
SP-1-1	03/29/00	---	---	---	---	---	---	---
SP-1-1(1-4)	04/06/01	---	---	---	---	---	---	---
SP-1 (1-4)	03/07/07	---	---	---	---	---	---	---
Comp(SP-1)	10/28/08	---	---	---	---	---	---	---
SP-1	06/13/13	---	---	---	---	---	---	---

APPENDIX A

CORRESPONDENCE

TABLE 3C

ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS-METALS

Former Exxon Service Station 7-0235
2225 Telegraph Avenue
Oakland, California

Notes:	Alton wells B-5 through B-9 were advanced into monitoring wells MW6E through MW6I.	
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015M/8015B.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using modified EPA Method 8015M/8015B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8020 or 8021B.
Lead	=	Total lead analyzed using EPA Method 6010B.
HVOCs	=	Halogenated volatiles organic compounds using EPA Method 8260B.
TPHmo	=	Total petroleum hydrocarbons as motor oil analyzed using Modified EPA Method 8015M/8015B.
TOG	=	Total oil and grease analyzed using EPA Method 5520.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
Add'l VOCs	=	Additional volatile organic carbons analyzed using EPA Method 8260B.
PAHs	=	Polycyclic aromatic hydrocarbons analyzed using EPA Method 8720C.
Cadmium	=	Cadmium analyzed using EPA Method 6010.
Chromium	=	Chromium analyzed using EPA Method 6010.
Nickel	=	Nickel analyzed using EPA Method 6010.
Zinc	=	Zinc analyzed using EPA Method 6010.
ND	=	Not detected at or above the laboratory reporting limit.
feet bgs	=	Feet below ground surface.
mg/kg	=	Milligrams per kilogram.
<	=	Less than the stated laboratory reporting limit.
---	=	Not analyzed/Not applicable/Not sampled.
a	=	Analyzed using EPA Method 8021B.
b	=	Analyzed using EPA Method 8240.
c	=	Hydrocarbon pattern does not resemble the requested fuel.
d	=	Analyte detected in associated method blank.
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f	=	1,2,4-Trimethylbenzene.
g	=	1,3,5-Trimethylbenzene.
h	=	n-Butylbenzene.
i	=	n-Propylbenzene.
j	=	2-Methylnaphthalene.
k	=	Naphthalene.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

April 30, 2013

Ms. Jennifer Sedlachek
ExxonMobil
4096 Piedmont Ave., #194
Oakland, CA 94611
(*Sent via E-mail to:*
jennifer.c.sedlachek@exxonmobil.com)

Lam Truong
2225 Telegraph Avenue
Oakland, CA 94612

Subject: Fuel Leak Case No. RO0000358 and Geotracker Global ID T0600101354, Exxon 7-0235, 2225 Telegraph Ave., Oakland, CA 94612

Dear Ms. Sedlachek and Mr. Truong:

Thank you for the recently submitted document entitled, *Response to Comments and Work Plan for Additional Site Assessment* dated January 21, 2013 which was prepared by Cardno ERI for the subject site. The work plan addresses ACEH's concerns surrounding the increasing concentrations in the northeast corner of the site by proposing to conduct "an additional investigation in the vicinity of well MW6B to further evaluate the distribution of hydrocarbon concentrations, re-evaluate remedial alternatives for the site, and evaluate the benzene concentrations reported in well MW6B."

ACEH has evaluated the data and recommendations presented in the above-mentioned report in conjunction with the case files and the State Water Resources Control Board's (SWRCBs) Low Threat Underground Storage Tank Case Closure Policy (LTCP) criteria (see Attachment A). Based on ACEH's review we request that you address the following technical comments, conduct the field investigation, and send us a revised Feasibility Study/Corrective Action Plan in accordance with the schedule below. The proposed field investigation scope of work may be implemented provided that the modifications requested in the technical comments below are addressed and incorporated during the field implementation. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed.

TECHNICAL COMMENTS

1. **Comments on Work Plan** – Cardno ERI proposes to collect soil samples from two soil borings advanced in the vicinity of well MW6B from depths of 8 to 20 feet below ground surface (bgs). Please begin collecting and analyzing soil samples within the top 5 feet to evaluate soil from this interval as required by the LTCP media specific criteria for Direct Contact and Outdoor Air. Additionally, include naphthalene and polycyclic aromatic hydrocarbon (PAH) analysis for soil samples collected from the top ten feet. If Cardno ERI is of the opinion that sufficient data exists to satisfy the direct contact and outdoor air criteria, please provide supporting documentation and justification in the FS/CAP.

2. **Revised Feasibility Study/Corrective Action Plan** – Please revise the FS/CAP to address the comments below.

    a. **Evaluation of Benzene Concentrations** – Cardno ERI suggests that data from well MW6B indicates "that maximum petroleum hydrocarbon concentrations are located in the upper portion of the screened interval and enter the groundwater during the periods of increased groundwater elevation." ACEH's review of the data do not indicate that the change in depth to groundwater are statistically significant over the period of monitoring. Therefore it seems that the increase in concentrations seen in MW6B does not correlate with the increase in groundwater levels over time.

    b. **Requested Cleanup Goals and Levels and Cost Evaluation** – The cleanup goals recommended in the FS/CAP should be based on the 2013 San Francisco Bay Regional Water Quality Control Board's Environmental Screening Levels (ESLs) and or the LTCP criteria as applicable. Please update the cleanup goals and submit cleanup action levels for the proposed remedial alternatives based on these criteria.

    c. **Additional Site Assessment Results** – Please incorporate the results of the proposed field investigation activities into the Revised FS/CAP to support the development of the remedial alternatives.

    d. **Updated Site Conceptual Model (SCM)** – Please update the SCM to support the alternatives presented in the Revised FS/CAP. Please present the Updated SCM in a tabular format that highlights the major SCM elements as detailed further in Attachment A.

    e. **Cost Evaluation** – Please present the requested cost evaluation for viable remedial alternatives presented in the Revised FS/CAP. An evaluation of costs for excavation is not needed since it appears to be impractical due to the proximity of the BART easement. If the site assessment results do not change the conclusion of dual-phase extraction (DPE) as the preferred alternative, then submittal of a revised FS is not required. In this case, please submit only a revised CAP presenting details of the preferred remedy and detailed cost estimate.

3. **Path to Closure Project Schedule -** The State Water Resources Control Board passed Resolution No. 2012-0062 on November 6, 2012 which requires development of a "Path to Closure Plan" by December 31, 2013 that addresses the impediments to closure for the site. The Path to Closure must have milestone dates tied to calendar quarters which will achieve site cleanup and case closure in a timely and efficient manner and minimizes the cost of corrective action. Please prepare a Path to Closure Schedule as detailed further in Attachment B. Please submit an electronic copy of the Path to Closure Schedule by the date listed below. ACEH will review the schedule to ensure that all key elements are included.

TECHNICAL REPORT REQUEST

Please submit technical reports to the ACEH ftp site (Attention: Barbara Jakub), and to the State Water Resources Control Board's Geotracker website, in accordance with Attachment 1 and the specified file naming convention below, according to the following schedule:

- **July 30, 2013 –** Revised Feasibility Study/Corrective Action Plan (File to be named: FS_CAP_ADDEND_R_yyyy-mm-dd)

Should you have any questions or concerns regarding this correspondence or your case, please call me at (510) 639-1287 or send me an electronic mail message at barbara.jakub@acgov.org.

Sincerely,

Barbara J. Jakub

Digitally signed by Barbara J. Jakub
DN: cn=Barbara J. Jakub, o, ou, email=barbara.jakub@acgov.org, c=US
Date: 2013.04.30 16:27:10 -07'00'

Barbara J. Jakub, P.G.
Hazardous Materials Specialist

Enclosure: Attachment 1: Responsible Party(ies) Legal Requirements/Obligations and ACEH Electronic Report Upload (ftp) Instructions
Attachment A: Site Conceptual Model Requisite Elements
Attachment B: Path to Closure Schedule Requisite Elements

cc: Rebekah Westrup, Environmental Resolutions, Inc., 601 North McDowell Blvd. Petaluma, CA 94954 (*Sent via E-mail to: rebekah.westrup@cardno.com)*
Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 (*Sent via E-mail to: lgriffin@oaklandnet.com*)
Shay Wideman, The Valero Companies, Environmental Liability Management P.O. Box 696000, San Antonio, TX 78269 *(Sent via E-mail to: Shay.Wideman@valero.com)*
Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Barbara Jakub, ACEH (*Sent via E-mail to: barbara.jakub@acgov.org*)
GeoTracker, file

Responsible Party(ies) Legal Requirements/Obligations

REPORT REQUESTS

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**REVISION DATE:** July 20, 2010
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted**.
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

1) Obtain User Name and Password
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to deh.loptoxic@acgov.org
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
   b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

Rebekah Westrup

From: Jakub, Barbara, Env. Health <barbara.jakub@acgov.org>
Sent: Thursday, July 11, 2013 3:01 PM
To: Rebekah Westrup
Subject: RE: Request for Report Extension for RO358

Rebekah,
Your request for an extension to August 30, 2013 for the SWI is granted.
Regards,
Barbara Jakub

From: Rebekah Westrup [mailto:rebekah.westrup@cardno.com]
Sent: Thursday, July 11, 2013 2:55 PM
To: Jakub, Barbara, Env. Health
Subject: Request for Report Extension for RO358

Barb:

We would like to request an extenstion from July 30th to August 30th for submittal of the Well Installation and SCM Update for RO358. At this time we are evaluating soil and groundwater data obtained during field activities in for order to assess viable remedial options for the site.

Thank you,
Rebekah A Westrup

ATTACHMENT A

Site Conceptual Model Requisite Elements

ATTACHMENT A

Site Conceptual Model Requisite Elements

The site conceptual model (SCM) is an essential decision-making and communication tool for all interested parties during the site characterization, remediation planning and implementation, and closure process. A SCM is a set of working hypotheses pertaining to all aspects of the contaminant release, including site geology, hydrogeology, release history, residual and dissolved contamination, attenuation mechanisms, pathways to nearby receptors, and likely magnitude of potential impacts to receptors.

The SCM is initially used to characterize the site and identify data gaps. As the investigation proceeds and the data gaps are filled, the working hypotheses are modified, and the overall SCM is refined and strengthened until it is said to be "validated". At this point, the focus of the SCM shifts from site characterization towards remedial technology evaluation and selection, and later remedy optimization, and forms the foundation for developing the most cost-effective corrective action plan to protect existing and potential receptors.

Alameda County Environmental Health (ACEH) requests utilization of a tabular format that highlights the major SCM elements and their associated data gaps, which need to be addressed to progress the site to case closure. Update the SCM at each stage of the project and submit with work plans, feasibility studies, corrective action plans, and requests for closures.

The SCM should incorporate, but is not limited to, the topics listed below. Please maximize the use of large-scaled maps and graphics, tables, and conceptual diagrams to illustrate key points. Please include an extended site map(s) utilizing an aerial photographic base map with sufficient resolution to show the facility, delineation of streets and property boundaries within the adjacent neighborhood, downgradient irrigation wells, and proposed locations of transects, monitoring wells, and soil vapor probes.

a. Regional and local (on-site and off-site) geology and hydrogeology. Include a discussion of the surface geology (e.g., soil types, soil parameters, outcrops, faulting), subsurface geology (e.g., stratigraphy, continuity, and connectivity), and hydrogeology (e.g., water-bearing zones, hydrologic parameters, impermeable strata). Please include a structural contour map (top of unit) and isopach map for the aquitard that is presumed to separate your release from the deeper aquifer(s), cross sections, soil boring and monitoring well logs and locations, and copies of regional geologic maps.

b. Analysis of the hydraulic flow system in the vicinity of the site. Include rose diagrams for depicting groundwater gradients. The rose diagram shall be plotted on groundwater elevation contour maps and updated in all future reports submitted for your site. Please address changes due to seasonal precipitation and groundwater pumping, and evaluate the potential interconnection between shallow and deep aquifers. Please include an analysis of vertical hydraulic gradients, and effects of pumping rates on hydraulic head from nearby water supply wells, if appropriate. Include hydraulic head in the different water bearing zones and hydrographs of all monitoring wells.

c. Release history, including potential source(s) of releases, potential contaminants of concern (COC) associated with each potential release, confirmed source locations, confirmed release locations, and existing delineation of release areas. Address primary leak source(s) (e.g., a tank, sump, pipeline, etc.) and secondary sources (e.g., high-concentration contaminants in low-permeability lithologic soil units that sustain groundwater or vapor plumes). Include local and regional plan view maps that illustrate the location of sources (former facilities, piping, tanks, etc.).

d. Plume (soil gas and groundwater) development and dynamics including aging of source(s), phase distribution (NAPL, dissolved, vapor, residual), diving plumes, attenuation mechanisms, migration routes, preferential pathways (geologic and anthropogenic), magnitude of chemicals of concern and spatial and temporal changes in concentrations, and contaminant fate and transport. Please include three-dimensional plume maps for groundwater and two-dimensional soil vapor plume plan view maps to provide an accurate depiction of the contaminant distribution of each COC.

e. Summary tables of chemical concentrations in different media (i.e., soil, groundwater, and soil vapor). Please include applicable environmental screening levels on all tables. Include graphs of contaminant concentrations versus time.

f. Current and historic facility structures (e.g., buildings, drain systems, sewer systems, underground utilities, etc.) and physical features including topographical features (e.g., hills, gradients, surface vegetation, or pavement) and surface water features (e.g. routes of drainage ditches, links to water bodies). Please include current and historic site maps.

g. Current and historic site operations/processes (e.g., parts cleaning, chemical storage areas, manufacturing, etc.).

h. Other contaminant release sites in the vicinity of the site. Hydrogeologic and contaminant data from those sites may prove helpful in testing certain hypotheses for the SCM. Include a summary of work and technical findings from nearby release sites, including the two adjacent closed LUFT sites, (i.e., Montgomery Ward site and the Quest Laboratory site).

i. Land uses and exposure scenarios on the facility and adjacent properties. Include beneficial resources (e.g., groundwater classification, wetlands, natural resources, etc.), resource use locations (e.g., water supply wells, surface water intakes), subpopulation types and locations (e.g., schools, hospitals, day care centers, etc.), exposure scenarios (e.g. residential, industrial, recreational, farming), and exposure pathways, and potential threat to sensitive receptors. Include an analysis of the contaminant volatilization from the subsurface to indoor/outdoor air exposure route (i.e., vapor pathway). Please include copies of Sanborn maps and aerial photographs, as appropriate.

j. Identification and listing of specific data gaps that require further investigation during subsequent phases of work. Proposed activities to investigate and fill data gaps identified.

ATTACHMENT B

Path to Closure Project Schedule Requisite Elements

ATTACHMENT B

Path to Closure Project Schedule Requisite Elements

The State Water Resources Control Board passed Resolution No. 2012-0062 on November 6, 2012 which requires development of a "Path to Closure Plan" by December 31, 2013 that addresses the impediments to closure for the site. The Path to Closure must have milestone dates tied to calendar quarters which will achieve site cleanup and case closure in a timely and efficient manner and minimizes the cost of corrective action. ACEH will review the schedule to ensure that all key elements are included.

Please submit an electronic copy that includes, but is not be limited to, the following key environmental elements and milestones as appropriate:

- Preferential Pathway Study
- Soil, Groundwater, and Soil Vapor Investigations
- Initial, Updated, and Final/Validated SCMs
- Interim Remedial Actions
- Feasibility Study/Corrective Action Plan
- Pilot Tests
- Remedial Actions
- Soil Vapor and Groundwater Monitoring Well Installation and Monitoring
- Public Participation Program (Fact Sheet Preparation/Distribution/Public Comment Period, Community Meetings, etc.)
- Case Closure Tasks (Request for closure documents, ACEH Case Closure Summary Preparation and Review, Site Management Plan, Institutional Controls, Public Participation, Landowner Notification, Well Decommissioning, Waste Removal, and Reporting.)

Please include time for regulatory and RP in house review, permitting, off-site access agreements, and utility connections, etc.

Please use a critical path methodology/tool to construct a schedule with sufficient detail to support a realistic and achievable Path to Closure Schedule. The schedule is to include at a minimum:

- Defined work breakdown structure including summary tasks required to accomplish the project objectives and required deliverables
- Summary task decomposition into smaller more manageable components that can be scheduled, monitored, and controlled
- Sequencing of activities to identify and document relationships among the project activities using logical relationships
- Identification of critical paths, linkages, predecessor and successor activities, leads and lags, and key milestones
- Identification of entity responsible for executing work
- Estimated activity durations (60-day ACEH review times are based on calendar days)

APPENDIX B

FIELD PROTOCOLS

Cardno ERI
Shaping the Future

Cardno ERI
Soil Boring and Well Installation
Field Protocol

Preliminary Activities

Prior to the onset of field activities at the site, Cardno ERI obtains the appropriate permit(s) from the governing agency(s). Advance notification is made as required by the agency(s) prior to the start of work. Cardno ERI marks the borehole locations and contacts the local one call utility locating service at least 48 hours prior to the start of work to mark buried utilities. Borehole locations may also be checked for buried utilities by a private geophysical surveyor. Prior to drilling, the borehole location is cleared in accordance with the client's procedures. Fieldwork is conducted under the advisement of a registered professional geologist and in accordance with an updated site-specific safety plan prepared for the project, which is available at the job site during field activities.

Drilling and Soil Sampling Procedures

Cardno ERI contracts a licensed driller to advance the boring and collect soil samples. The specific drilling method (e.g., hollow-stem auger, direct push method, or sonic drilling), sampling method [e.g., core barrel or California-modified split spoon sampler (CMSSS)] and sampling depths are documented on the boring log and may be specified in a work plan. Soil samples are typically collected at the capillary fringe and at 5-foot intervals to the total depth of the boring. To determine the depth of the capillary fringe prior to drilling, the static groundwater level is measured with a water level indicator in the closest monitoring well to the boring location, if available.

The borehole is advanced to just above the desired sampling depth. For CMSSSs, the sampler is placed inside the auger and driven to a depth of 18 inches past the bit of the auger. The sampler is driven into the soil with a standard 140-pound hammer repeatedly dropped from a height of 30 inches onto the sampler. The number of blows required to drive the sampler each 6-inch increment is recorded on the boring log. For core samplers (e.g., direct push), the core is driven 18 inches using the rig apparatus.

Soil samples are preserved in the metal or plastic sleeve used with the CMSSS or core sampler, in glass jars or other manner required by the local regulatory agency (e.g., Environmental Protection Agency Method 5035). Sleeves are removed from the sample barrel, and the lowermost sample sleeve is immediately sealed with Teflon™ tape, capped, labeled, placed in a cooler chilled to 4° Celsius and transported to a state-certified laboratory. The samples are transferred under chain-of-custody (COC) protocol.

Field Screening Procedures

Cardno ERI places the soil from the middle of the sampling interval into a plastic re-sealable bag. The bag is placed away from direct sunlight for a period of time which allows volatilization of chemical constituents, after which the tip of a photo-ionization detector (PID) or similar device is inserted through the plastic bag to measure organic vapor concentrations in the headspace. The PID measurement is recorded on the boring log. At a minimum, the PID or other device is calibrated on a daily basis in accordance with manufacturer's specifications using a hexane or isobutylene standard. The calibration gas and concentration are recorded on a calibration log. Instruments such as the PID are useful for evaluating relative concentrations of volatilized hydrocarbons, but they do not measure the concentration of petroleum hydrocarbons in the soil matrix with the same precision as laboratory analysis. Cardno ERI trained personnel describe the soil in the bag according to the Unified Soil Classification System and record the description on the boring log, which is included in the final report.

Air Monitoring Procedures

Cardno ERI performs a field evaluation for volatile hydrocarbon concentrations in the breathing zone using a calibrated photo-ionization detector or lower explosive level meter.

Groundwater Sampling

A groundwater sample, if desired, is collected from the boring by using Hydropunch™ sampling technology or installing a well in the borehole. In the case of using Hydropunch™ technology, after collecting the capillary fringe soil sample, the boring is advanced to the top of the soil/groundwater interface and a sampling probe is pushed to approximately 2 feet below the top of the static water level. The probe is opened by partially withdrawing it and thereby exposing the screen. A new or decontaminated bailer is used to collect a water sample from the probe. The water sample is then emptied into laboratory-supplied containers constructed of the correct material and with the correct volume and preservative to comply with the proposed laboratory test. The container is slowly filled with the retrieved water sample until no headspace remains and then promptly sealed with a Teflon-lined cap, checked for the presence of bubbles, labeled, entered onto a COC record and placed in chilled storage at 4° Celsius. Laboratory-supplied trip blanks accompany the water samples as a quality assurance/quality control procedure. Equipment blanks may be collected as required. The samples are kept in chilled storage and transported under COC protocol to a client-approved, state-certified laboratory for analysis.

Backfilling of Soil Boring

If a well is not installed, the boring is backfilled from total depth to approximately 5 feet below ground surface (bgs) with either neat cement or bentonite grout using a tremie pipe and either the boring is backfilled from 5 feet bgs to approximately 1 foot bgs with hydrated bentonite chips or backfill is continued to just below grade with neat cement grout. The borehole is completed to surface grade with material that best matches existing surface conditions and meets local agency requirements. Site-specific backfilling details are shown on the respective boring log.

Well Construction

A well (if constructed) is completed using materials documented on the boring log or specified in a work plan. The well is constructed with slotted casing across the desired groundwater sampling depth(s) and completed with blank casing to within 6 inches of surface grade. No further construction is conducted on temporary wells. For permanent wells, the annular space of the well is backfilled with Monterey sand from the total depth to approximately 2 feet above the top of the screened casing. A hydrated granular bentonite seal is placed on top of the sand filter pack. Grout may be placed on top of the bentonite seal to the desired depth using a tremie pipe. The well may be completed to surface grade with a 1-foot thick concrete pad. A traffic-rated well vault and locking cap for the well casing may be installed to protect against surface-water infiltration and unauthorized entry. Site-specific well construction details including type of well, well depth, casing diameter, slot size, length of screen interval and sand size are documented on the boring log or specified in the work plan.

Well Development and Sampling

If a permanent groundwater monitoring well is installed, the grout is allowed to cure a minimum of 48 hours before development. Cardno ERI personnel or a contracted driller use a submersible pump or surge block to develop the newly installed well. Prior to development, the pump is decontaminated by allowing it to run and re-circulate while immersed in a non-phosphate solution followed by successive immersions in potable water and de-ionized water baths. The well is developed until sufficient well casing volumes are removed so that turbidity is within allowable limits and pH, conductivity and temperature levels stabilize in the purge water. The volume of groundwater extracted is recorded on a log.

Following development, groundwater within the well is allowed to recharge until at least 80% of the drawdown is recovered. A new or decontaminated bailer is slowly lowered past the air/water interface in the well, and a water sample is collected and checked for the presence of non-aqueous phase liquid, sheen or emulsions. The water sample is then emptied into laboratory-supplied containers as discussed above.

Surveying

If required, wells are surveyed by a licensed land surveyor relative to an established benchmark of known elevation above mean sea level to an accuracy of +/- 0.01 foot. The casing is notched or marked on one side to identify a consistent surveying and measuring point.

Decontamination Procedures

Cardno ERI or the contracted driller decontaminates soil and water sampling equipment between each sampling event with a non-phosphate solution, followed by a minimum of two tap water rinses. De-ionized water may be used for the final rinse. Downhole drilling equipment is steam-cleaned prior to drilling the borehole and at completion of the borehole.

Waste Treatment and Soil Disposal

Soil cuttings generated from the drilling or sampling are stored on site in labeled, Department of Transportation-approved, 55-gallon drums or other appropriate storage container. The soil is removed from the site and transported under manifest to a client- and regulatory-approved facility for recycling or disposal. Decontamination fluids and purge water from well development and sampling activities, if conducted, are stored on site in labeled, regulatory-approved storage containers. Fluids are subsequently transported under manifest to a client- and regulatory-approved facility for disposal or treated with a permitted mobile or fixed-base carbon treatment system.

APPENDIX C

PERMITS

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 05/29/2013 By jamesy

Permit Numbers: W2013-0386 to W2013-0389
Permits Valid from 06/11/2013 to 06/14/2013

Application Id: 1369763949684
City of Project Site: Oakland
Site Location: 2225 Telegraph Ave, Oakland, CA
Project Start Date: 06/11/2013
Completion Date: 06/14/2013
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

Applicant: Cardno ERI - Rebekah Westrup
601 N McDowell Blvd, Petaluma, CA 94594
Phone: 707-766-2000

Property Owner: Lam Truong
2225 Telegraph Ave, Oakland, CA 94612
Phone: --

Client: Exxonmobil Oil Corp
4096 Piedmont Ave #194, Oakland, CA 94611
Phone: 510-547-8196

Total Due: $1588.00
Receipt Number: WR2013-0186 **Total Amount Paid:** $1588.00
Payer Name : Environmental Resolutions Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 4 Wells
Driller: Woodward - Lic #: 710079 - Method: hstem

Work Total: $1588.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2013-0386	05/29/2013	09/09/2013	MW6KA	10.00 in.	4.00 in.	6.00 ft	13.00 ft
W2013-0387	05/29/2013	09/09/2013	MW6KB	8.00 in.	2.00 in.	14.00 ft	20.00 ft
W2013-0388	05/29/2013	09/09/2013	MW6LA	10.00 in.	4.00 in.	6.00 ft	13.00 ft
W2013-0389	05/29/2013	09/09/2013	MW6LB	8.00 in.	2.00 in.	14.00 ft	20.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

2. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the

permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.

5. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

6. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

8. Minimum surface seal thickness is two inches of cement grout placed by tremie.

9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

APPENDIX D

BORING LOGS

Cardno ERI
Shaping the Future

BORING LOG MW6Ka

Project No.	: Former Exxon Service Station 70235
Site:	: 2225 Telegraph Avenue, Oakland, CA
Logged By:	: Rebekah A. Westrup
Reviewed By:	: David R. Daniels, P.G.8737
Signature	:

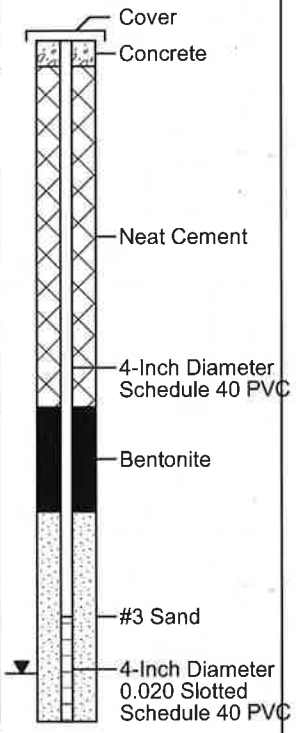
Date Drilled	: 06/13/13
Drilling Co.	: Woodward Drilling Co.
Drilling Method	: Hollow-Stem Auger
Sampling Method	: Direct-Push
Borehole Diameter	: 10"
Casing Diameter	: 4"
Location (N-S)	: 2122872.3
Location (E-W)	: 6050578.3
Total Depth	: 13
GW encountered	: NA

Sample Condition: No Recovery; Interval Not Sampled; Described Sample; Preserved Sample

Water Levels: Static: 12.08 (6/17/13); During drilling NA

Boring: MW6Ka
Elevation: 21.04

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION (%Clay,%Silt,%Sand,%Gravel)
0						6 inches Asphalt
					GP	GRAVEL with Sand and Silt: fine-grained, red-brown, dry, subangular; fine- to coarse-grained and subangular sand [FILL] (0,20,30,50)
					CL	CLAY: olive-brown, dry, low plasticity (80,20,0,0)
5		1,418			SM	Silty SAND: fine-grained, olive-brown, damp to moist, subangular, poorly graded (0,30,70,0)
					ML	Sandy SILT: olive-gray, damp, non-plastic; fine-grained and subangular sand (10,70,20,0)
		184			CH	CLAY: yellow-brown, damp, high plasticity (80,20,0,0) Cleared to 8 feet bgs using hand tools on 06/11/13
10		4,000			SP	SAND: fine-grained, olive-gray, moist, subangular (0,0,100,0)
						Total Depth = 13' bgs, 1212 on 06/13/13
15						
20						
25						



Cardno ERI
Shaping the Future

BORING LOG MW6Kb

(Page 1 of 1)

Project No.	: Former Exxon Service Station 70235
Site:	: 2225 Telegraph Avenue, Oakland, CA
Logged By:	: Rebekah A. Westrup
Reviewed By:	: David R. Daniels, P.G.8737
Signature	:

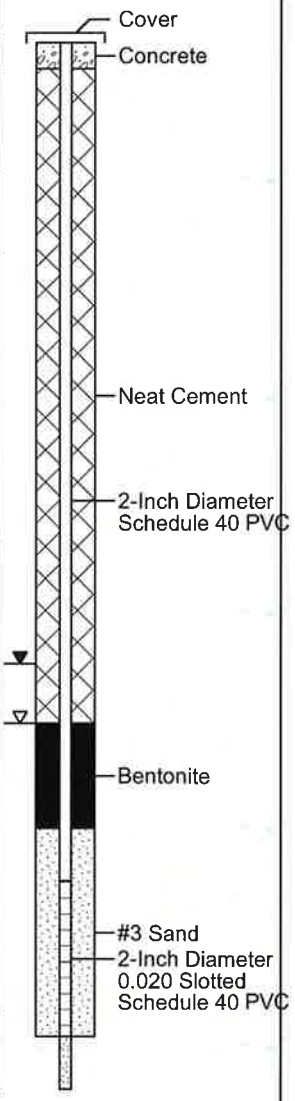
Date Drilled	: 06/13/13
Drilling Co.	: Woodward Drilling Co.
Drilling Method	: Hollow-Stem Auger
Sampling Method	: Direct-Push
Borehole Diameter	: 8"
Casing Diameter	: 2"
Location (N-S)	: 2122870.9
Location (E-W)	: 6050582.9
Total Depth	: 20
GW encountered	: 13'

Sample Condition
- No Recovery
- Interval Not Sampled
- Described Sample
- Preserved Sample

Water Levels
- Static: 11.85' 6/17/13
- During drilling 13'

Boring: MW6Kb
Elevation: 20.81

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION (%Clay,%Silt,%Sand,%Gravel)
0						6 inches Asphalt
					GP	GRAVEL with Sand and Silt: fine-grained, red-brown, dry, subangular; fine- to coarse-grained and subangular sand [FILL] (0,20,30,50)
		0.2			CL	CLAY: olive-brown, dry, low plasticity (80,20,0,0)
5		38.8			SM	Silty SAND: fine-grained, olive-brown, damp to moist, subangular, poorly graded (0,30,70,0)
					ML	Sandy SILT: olive-gray, damp, non-plastic; fine-grained and subangular sand (5,75,20,0)
					CH	CLAY: yellow-brown, damp, high plasticity (70,30,0,0) Cleared to 8 feet bgs using hand tools on 06/11/13
10					SP	SAND: fine-grained, olive-brown, moist, subangular, poorly graded (0,0,100,0)
					CH	Sandy CLAY: yellow-brown, damp, moderate plasticity to high plasticity; fine-grained sand (60,10,20,0)
15		4,000			SP	SAND: fine-grained, olive-brown, wet, subangular, poorly graded (0,0,100,0)
		216			CL	CLAY: olive-brown with yellow-brown mottling, damp, moderate plasticity (60,40,0,0)
20						Total Sampling Depth = 20' bgs Total Well Depth = 19 feet bgs, 1406, 06/13/2013
25						



Cardno ERI
Shaping the Future

BORING LOG MW6La

(Page 1 of 1)

Project No.	: Former Exxon Service Station 70235
Site:	: 2225 Telegraph Avenue, Oakland, CA
Logged By:	: Rebekah A. Westrup
Reviewed By:	: David R. Daniels, P.G.8737
Signature	:

Date Drilled	: 06/12/13
Drilling Co.	: Woodward Drilling Co.
Drilling Method	: Hollow-Stem Auger
Sampling Method	: Direct-Push
Borehole Diameter	: 10"
Casing Diameter	: 4"
Location (N-S)	: 2122850.3
Location (E-W)	: 6050595.0
Total Depth	: 13
GW encountered	: NA

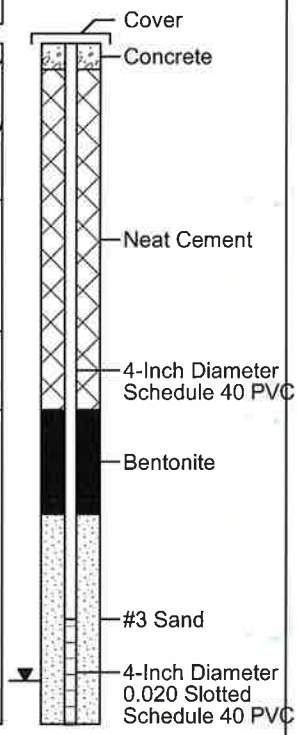
Sample Condition
- No Recovery
- Interval Not Sampled
- Described Sample
- Preserved Sample

Water Levels
- Static: 12.17 (6/17/13)
- During drilling NA

Boring: MW6La
Elevation: 21.18

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION (%Clay,%Silt,%Sand,%Gravel)
0						4 Inches Concrete
					GP	GRAVEL with Sand and Silt: fine-grained, yellow-brown, dry, subangular; fine- to coarse-grained and angular sand [FILL] (0,20,20,60)
					CH	CLAY: olive-brown, dry, high plasticity (100,0,0,0)
					CL	CLAY: yellow-brown, dry, low plasticity (60,40,0,0)
5		179			SM	Silty SAND: medium-grained, red-yellow, dry, subangular, poorly graded (0,30,70,0)
					CL	CLAY: brown, dry, moderate plasticity (60,40,0,0)
						Cleared to 8 feet bgs using hand tools on 06/11/13
10		219				
		450				
15						
20						
25						

Total Depth = 13' bgs, 1600, 06/12/2013



Cardno ERI
Shaping the Future

BORING LOG MW6Lb

(Page 1 of 1)

Project No.	: Former Exxon Service Station 70235
Site:	: 2225 Telegraph Avenue, Oakland, CA
Logged By:	: Rebekah A. Westrup
Reviewed By:	: David R. Daniels, P.G.8737
Signature	:

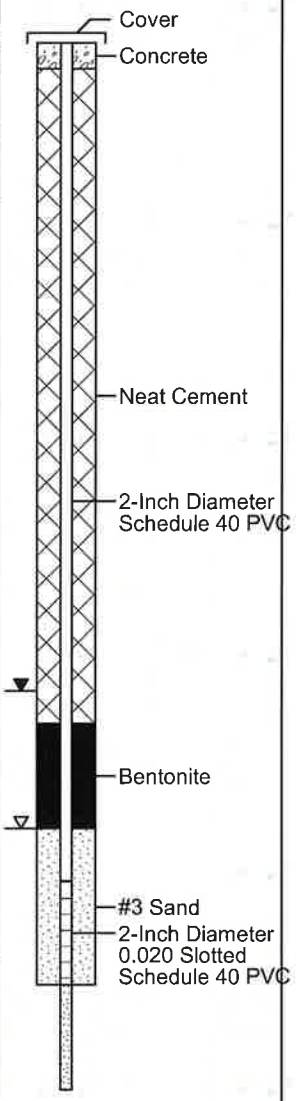
Date Drilled	: 06/12/13
Drilling Co.	: Woodward Drilling Co.
Drilling Method	: Hollow-Stem Auger
Sampling Method	: Direct-Push
Borehole Diameter	: 8"
Casing Diameter	: 2"
Location (N-S)	: 2122851.6
Location (E-W)	: 6050590.2
Total Depth	: 20'
GW encountered	: 15'

Sample Condition
- No Recovery
- Interval Not Sampled
- Described Sample
- Preserved Sample

Water Levels
- Static: 12.37 (6/17/13)
- During drilling 15'

Boring: MW6Lb
Elevation: 21.19

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION (%Clay,%Silt,%Sand,%Gravel)
0						6 Inches Concrete
					GP	GRAVEL with Sand and Silt: fine-grained, yellow-brown, dry, subangular; fine- to coarse-grained and angular sand [FILL] (0,20,20,60)
		129.3			CH	CLAY: olive-brown, dry, high plasticity (100,0,0,0)
					CL	CLAY: yellow-brown, dry, low plasticity (60,40,0,0)
5		49.2			SM	Silty SAND: medium-grained, red-yellow, dry, subangular, poorly graded (0,30,70,0)
					CL	CLAY: brown, dry, moderate plasticity (60,40,0,0)
						Cleared to 8 feet bgs using hand tools on 06/11/13
		215				
		130				
10		202				
		4,000				@ 11 feet bgs: becoming damp
					SP	SAND: fine-grained, olive-brown, moist, subangular, poorly graded
15		1,320				@15 feet bgs: becoming wet
					CL	CLAY: olive-brown, damp, low plasticity (60,40,0,0)
		770				
20						Total Sampling Depth = 20' bgs
						Total Well Depth = 18' bgs, 1226, 06/12/2013
25						



APPENDIX E

WELL DEVELOPMENT RECORDS

Daily Field Report

Cardno ERI
Shaping the Future

Project ID #: 70235 **ERI Job # 2229**

Subject: Well Development **Date: 06/17/2013**

Equipment Used: Sub. Pump, Disp. Bailers, DTW meter. **Sheet: 1 of 1**

Name(s): Azat R. Magdanov

Time Arrived On Site: 7:45 **Time Departed Site:** 14:30

06/17/2013

07:45	On site.
07:45-08:15	H&S meeting, Permit.
08:15-09:00	Opened wells.
09:00-09:15	DTW Wells
09:30-12:45	Developed: MW6Lb, MW6Kb. Purged dry MW6La, MW6Ka (wells didn't recharge).
12:45-13:15	Pumped out 80 gal. of rinsate water left from drillers, picked up 2 empty drums.
13:15-14:15	Checked well boxes, replaced bolts.
14:30	Off site.

Purge water	- 24 gal.
Rinsate	- 80 gal.
Decon water	- 18 gal.
Total water	- 122 gal.

Cardno ERI Groundwater M+S
Depth To Water

Case Volume= H(r^2x0.163)

H=Height of Water Column in Feet
r=Radius of well casing in inches

Common conversion factors:
2"=0.163, 4"=0.652, 6"=1.457

Project	Location	Date	Name
2229	70235	06/17/2013	Azat R. Maydanov

WELL ID	WELL DIAMETER inches	ODOR? SHEEN?	TOTAL DEPTH feet	Pre-Purge DTW feet	Depth To PRODUCT feet	PRODUCT THICKNESS feet	COMMENTS
MW6Ka	4"		12.35	12.08			
MW6Kb	2"		18.51	11.85			
MW6La	4"		12.33	12.17			
MW6Lb	2"		17.81	12.37			

WATER SAMPLING SITE STATUS

Date: 06/17/2013

Inspected by: Azat R. Maydanov

Cardno ERI Job No.: 2229 Station No.: 70235 Site Address: 2225 Telegraph Ave. Oakland, CA

Well ID	Well Head Screws	Rubber Gasket	Well Cap Locking	Lock on Well Cap	Concrete Well Seal	Well Head PVC	Water in Well Vault	Tabs	Well Cover	Fence/Gate Condition	# Drums	Drum Contents	Building Condition	Site Appearance	Comments / Well Covers
	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	Y / N	N/R/ok	N/R/ok	N/R/ok		s/w/e	g/v/o	N/R/ok	
MW6La	OK	ok	OK	OK	OK	OK	N	OK	OK	NA	NA	NA	NA	OK	
MW6Lb	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
MW6Ka	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
MW6Kb	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	

N = Not repairable in time available-see comments.
R = Repaired-see comments
ok = No action needed.

Y = Yes.
N = No.

s = Soil.
w = Water.
e = Empty.

g = Graffitti on walls.
v = Vagrants (or evidence of).
o = Open (not secured).

Cardno ERI Job# 2229	Quarter 2	Year 2013	Surging	
Client/Site: EXXON MOBIL / 70235			Start 0952	Stop 0956
Location: 2225 Telegraph Ave. Oakland			Start 1002	Stop 1006
Sample Tech.: Ross R. Magdanov			Start 1011	Stop 1016
DATE: 06/17/2013			Start 1026	Stop 1030
Weather: Sunny, Windy			Start 1036	Stop 1041
WELL ID MW6K6			1047	1051

TIME	PURGE VOLUME	Temp	COND	pH	Turbidity	
hr:min	Gal	deg C F		unit	NTU	
0957	—	1 deg	10%	0.1	Less Than 5	
1000	3.0	19.8	1357	8.82	Overrange	D.Y
1009	1.5	20.2	1130	8.28	Overrange	D.Y
1019	1.5	19.6	1025	8.04	Overrange	D.Y
1032	2.0	19.6	894	7.45	Overrange	D.Y
1045	2.5	19.5	848	7.52	Overrange	D.Y
1055	2.5	19.6	843	7.41	Overrange	D.Y

Total Purge Volume	13.0 Gallons	
	CASING VOL. FACTOR	WELL INFORMATION
	diameter	TD: 18.51
	2"-dia:	DTW$_I$: 11.85
		h: 6.67
	6"-dia:	csg vol: 1.09

COMMENTS

Cardno ERI Job# 2229	Quarter 2	Year 2013	Surging	
Client/Site: EXXON MOBIL / 70235			Start 1139	Stop 1143
Location: 2225 Telegraph Ave. Oakland			Start 1148	Stop 1152
Sample Tech.: Asen R. Magdanov			Start 1159	Stop 1203
DATE: 06/12/2013			Start 1210	Stop 1214
Weather: Sunny, Windy			Start 1220	Stop 1224
WELL ID MW 6 L.b			1229	1234

TIME	PURGE VOLUME	Temp	COND	pH	Turbidity
hr:min	Gal	deg C F		unit	NTU
1145	—	1 deg	10%	0.1	Less Than 5
1146	1.5	19.7	1098	9.16	Over range Dry
1156	2.0	19.4	1080	8.70	Over range Dry
1205	1.5	19.5	973	8.14	Over range Dry
1217	2.0	19.6	936	7.89	Over range Dry
1227	2.0	19.4	877	7.71	Over range Dry
1238	2.0	19.6	845	7.59	Over range Dry

Total Purge Volume	11.0 Gallons		
	CASING VOL. FACTOR	WELL INFORMATION	
	diameter	TD:	17.81
	(2"-dia.)	DTW_1:	12.37
	4"-dia:	h:	5.44
	6"-dia:	csg vol:	0.89

COMMENTS

Daily Field Report

Cardno ERI
Shaping the Future

Project ID #: 70235 **ERI Job # 2229**

Subject: Monitoring and Sampling **Date: 06/21/2013**

Equipment Used: Sub. Pump, Disp. Bailers, DTW meter. **Sheet: 1 of 1**

Name(s): Azat R. Magdanov

Time Arrived On Site: 6:15 **Time Departed Site:** 12:00

06/21/2013

06:15	On site.
06:15-06:45	H&S meeting, Permit.
06:45-07:00	Opened wells.
07:30-07:15	DTW
07:15-08:30	Replaced well bolts and worked on well vaults .
08:30-09:00	Purged: MW6Kb, MW6Lb.
09:00-09:45	Worked on well vaults.
09:45-10:00	Safety meeting with Morow Surveying.
10:00-10:45	Oversaw surveying work of Morrow Surveying.
11:00-12:00	Sampled: MW6Kb, MW6Lb.
12:00	Off site.

*MW6Ka (less than 6" of water), MW6La (dry) - were not sampled.

**LPO was done on Morrow Survay spec.

Purge water	- 6 gal.
Decon water	- 24 gal.
Total water	- 30 gal.

Cardno ERI Groundwater M+S
Depth To Water

Case Volume= H(r^2x0.163)

H=Height of Water Column in Feet
r=Radius of well casing in inches

Common conversion factors:
2"=0.163, 4"=0.652, 6"=1.457

Project	Location	Date	Name
2229	70235	06/21/13	Azat R. Magdanov

WELL ID	WELL DIAMETER inches	ODOR? SHEEN?	TOTAL DEPTH feet	Pre-Purge DTW feet	C.V. Cal.	80% feet	COMMENTS
MW6Ka	4"		12.35	12.11	—	—	Less than 6" of H_2O
MW6Kb	2"		18.51	11.88	1.08	13.21	
MW6La	4"		12.33	—	—	—	Dry @ 12.33
MW6Lb	2"		17.81	12.40	0.88	13.48	

WATER SAMPLING SITE STATUS

Date: 06/21/2013

Inspected by: Alex R. Hagdahl

Cardno ERI Job No.: 2229 Station No.: 70235 Site Address: 2225 Telegraph Ave., Oakland, CA

Well ID	Well Head Screws	Rubber Gasket	Well Cap Locking	Lock on Well Cap	Concrete Well Seal	Well Head PVC	Water in Well Vault	Tabs	Well Cover	Fence/Gate Condition	# Drums	Drum Contents	Building Condition	Site Appearance	Comments / Well Covers
	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	Y / N	N/R/ok	N/R/ok	N/R/ok		s/w/e	g/v/o	N/R/ok	
MW6La	OK	OK	OK	OK	OK	OK	N	OK	OK	NA	NA	NA	NA	OK	
MW6Lb	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
MW8La	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
MW8Lb	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	

N = Not repairable in time available-see comments.
R = Repaired-see comments
ok = No action needed.

Y = Yes.
N = No.

s = Soil.
w = Water.
e = Empty.

g = Graffitti on walls.
v = Vagrants (or evidence of).
o = Open (not secured).

GROUNDWATER SAMPLING FIELD LOG

Client Name: EXXON MOBIL Cardno ERI Job #: 2229 Date: 06/21/13 Page 1 of 1

Location: 70235 Field Cleaning Performed:

Field Crew: Azat R. Magdanov Analysis:

Case Volume = (TD - DTW) x F where F =

0.163 for 2" inside-diameter well casing
0.652 for 4" inside-diamter well casing
1.457 for 6" inside-diamter well casing

Well ID	Time	Case Volume	Purge Volume	Temp	Cond	pH	Post-Purge DTW	80% Recharge	BB	40mil	Amber	DO	ORP	Comments Well Box Condition
MW6Kb	0845		2				11.90	✓						Dry @ 4 gal.
	0846		2	19.1	880	7.74								
	0848		4	19.0	936	7.75	W-12-MW6Kb @ 1125							
			6											
MW6Lb	0855		1				12.41	✓						Dry @ 2 gal.
	0855		1	18.4	812	7.63								
	0856		2	19.0	816	7.75	W-12-MW6Lb @ 1150							
			3											
—														
							QCBB @ 1155							

APPENDIX F

LABORATORY ANALYTICAL REPORTS

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 13-06-1606

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

RECEIVED
JUL 08 2013
BY: _____

Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 70235/022229C

Attention: Rebekah Westrup
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Cecile deGuia

Approved for release on 07/08/2013 by:
Cecile deGuia
Project Manager

ResultLink ▸

Email your PM ▸

ACCREDITED IN ACCORDANCE WITH nelac

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Contents

Client Project Name: ExxonMobil 70235/022229C
Work Order Number: 13-06-1606

Calscience Environmental Laboratories, Inc.

Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 06/25/13. They were assigned to Work Order 13-06-1606.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with an immediate holding time (HT </= 15 minutes --40CFR-136.3 Table II footnote 4), is considered a "field" test and reported samples results are not flagged unless the analysis is performed beyond 24 hours of the time of collection.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Sample Summary

Client:	Cardno ERI	Work Order:	13-06-1606
	601 North McDowell Blvd.	Project Name:	ExxonMobil 70235/022229C
	Petaluma, CA 94954-2312	PO Number:	022229C
		Date Received:	06/25/13
Attn:	Rebekah Westrup		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
QCBB	13-06-1606-1	06/21/13 11:55	2	Aqueous
W-12-MW6Kb	13-06-1606-2	06/21/13 11:25	8	Aqueous
W-12-MW6Lb	13-06-1606-3	06/21/13 11:50	8	Aqueous

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Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/25/13
Work Order: 13-06-1606
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6Kb	13-06-1606-2-H	06/21/13 11:25	Aqueous	GC 47	06/26/13	06/28/13 02:56	130626B18

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	90	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6Lb	13-06-1606-3-H	06/21/13 11:50	Aqueous	GC 47	06/26/13	06/28/13 03:12	130626B18

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	69	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-15-278-328	N/A	Aqueous	GC 47	06/26/13	06/28/13 01:39	130626B18

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	131	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/25/13
Work Order: 13-06-1606
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6Kb	13-06-1606-2-H	06/21/13 11:25	Aqueous	GC 47	06/26/13	06/28/13 02:56	130626B17

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	1900	50	1	HD,SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	90	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6Lb	13-06-1606-3-H	06/21/13 11:50	Aqueous	GC 47	06/26/13	06/28/13 03:12	130626B17

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	1200	50	1	HD,SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	69	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-15-304-371	N/A	Aqueous	GC 47	06/26/13	06/28/13 01:39	130626B17

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	102	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/25/13
Work Order: 13-06-1606
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6Kb	**13-06-1606-2-F**	**06/21/13 11:25**	**Aqueous**	**GC 25**	**07/01/13**	**07/01/13 21:32**	**130701B02**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	9700	500	10	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6Lb	**13-06-1606-3-E**	**06/21/13 11:50**	**Aqueous**	**GC 25**	**07/02/13**	**07/02/13 14:24**	**130702B01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	5400	250	5	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-8668**	**N/A**	**Aqueous**	**GC 25**	**07/01/13**	**07/01/13 11:10**	**130701B02**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-8669**	**N/A**	**Aqueous**	**GC 25**	**07/02/13**	**07/02/13 11:03**	**130702B01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	83	38-134	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/25/13
Work Order: 13-06-1606
Preparation: EPA 5030C
Method: EPA 8021B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6Kb	**13-06-1606-2-D**	**06/21/13 11:25**	**Aqueous**	**GC 8**	**06/28/13**	**06/28/13 13:34**	**130628B01**

Parameter	Result	RL	DF	Qualifiers
Benzene	630	5.0	10	
Toluene	430	5.0	10	
Ethylbenzene	480	5.0	10	
p/m-Xylene	1000	10	10	
o-Xylene	480	5.0	10	
Xylenes (total)	1500	5.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6Lb	**13-06-1606-3-D**	**06/21/13 11:50**	**Aqueous**	**GC 8**	**06/26/13**	**06/26/13 17:13**	**130626B01**

Parameter	Result	RL	DF	Qualifiers
Benzene	290	0.50	1	
Toluene	190	0.50	1	
Ethylbenzene	140	0.50	1	
p/m-Xylene	370	1.0	1	
o-Xylene	240	0.50	1	
Xylenes (total)	610	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-667-1804**	**N/A**	**Aqueous**	**GC 8**	**06/26/13**	**06/26/13 11:34**	**130626B01**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1	
Toluene	ND	0.50	1	
Ethylbenzene	ND	0.50	1	
p/m-Xylene	ND	1.0	1	
o-Xylene	ND	0.50	1	
Xylenes (total)	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/25/13
Work Order: 13-06-1606
Preparation: EPA 5030C
Method: EPA 8021B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-667-1807**	**N/A**	**Aqueous**	**GC 8**	**06/28/13**	**06/28/13 12:27**	**130628B01**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1	
Toluene	ND	0.50	1	
Ethylbenzene	ND	0.50	1	
p/m-Xylene	ND	1.0	1	
o-Xylene	ND	0.50	1	
Xylenes (total)	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/25/13
Work Order: 13-06-1606
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6Kb	13-06-1606-2-B	06/21/13 11:25	Aqueous	GC/MS L	06/26/13	06/26/13 21:25	130626L01

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	36	10	20	
Tert-Butyl Alcohol (TBA)	ND	100	20	
Diisopropyl Ether (DIPE)	ND	10	20	
Ethyl-t-Butyl Ether (ETBE)	ND	10	20	
Tert-Amyl-Methyl Ether (TAME)	ND	10	20	
Ethanol	ND	1000	20	
1,2-Dibromoethane	ND	10	20	
1,2-Dichloroethane	ND	10	20	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	68-120	
Dibromofluoromethane	94	80-127	
1,2-Dichloroethane-d4	101	80-128	
Toluene-d8	97	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6Lb	13-06-1606-3-B	06/21/13 11:50	Aqueous	GC/MS L	06/26/13	06/26/13 20:56	130626L01

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	6.0	5.0	10	
Tert-Butyl Alcohol (TBA)	ND	50	10	
Diisopropyl Ether (DIPE)	ND	5.0	10	
Ethyl-t-Butyl Ether (ETBE)	ND	5.0	10	
Tert-Amyl-Methyl Ether (TAME)	ND	5.0	10	
Ethanol	ND	500	10	
1,2-Dibromoethane	ND	5.0	10	
1,2-Dichloroethane	ND	5.0	10	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	68-120	
Dibromofluoromethane	96	80-127	
1,2-Dichloroethane-d4	103	80-128	
Toluene-d8	98	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/25/13
Work Order: 13-06-1606
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-1058**	**N/A**	**Aqueous**	**GC/MS L**	**06/26/13**	**06/26/13 11:27**	**130626L01**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	5.0	1	
Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Ethanol	ND	50	1	
1,2-Dibromoethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	68-120	
Dibromofluoromethane	104	80-127	
1,2-Dichloroethane-d4	104	80-128	
Toluene-d8	97	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI	Date Received: 06/25/13
601 North McDowell Blvd.	Work Order: 13-06-1606
Petaluma, CA 94954-2312	Preparation: EPA 5030C
	Method: EPA 8015B (M)
Project: ExxonMobil 70235/022229C	Page 1 of 5

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-06-1881-1	Aqueous	GC 25	07/01/13	07/01/13 12:50	130701S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	2000	1914	96	1831	92	68-122	4	0-18	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	06/25/13
601 North McDowell Blvd.		Work Order:	13-06-1606
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 2 of 5

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-0057-3	Aqueous	GC 25	07/02/13	07/02/13 12:43	130702S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	2000	1881	94	1833	92	68-122	3	0-18	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: ExxonMobil 70235/022229C

Date Received: 06/25/13
Work Order: 13-06-1606
Preparation: EPA 5030C
Method: EPA 8021B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-06-1447-6	Aqueous	GC 8	06/26/13	06/26/13 13:53	130626S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	100.0	90.23	90	93.97	94	57-129	4	0-23	
Toluene	ND	100.0	90.08	90	89.79	90	50-134	0	0-26	
Ethylbenzene	ND	100.0	89.91	90	90.07	90	58-130	0	0-26	
p/m-Xylene	ND	200.0	178.3	89	178.2	89	58-130	0	0-28	
o-Xylene	ND	100.0	88.44	88	88.00	88	57-123	1	0-26	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: ExxonMobil 70235/022229C

Date Received: 06/25/13
Work Order: 13-06-1606
Preparation: EPA 5030C
Method: EPA 8021B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-12-MW6Kb	Aqueous	GC 8	06/28/13	06/28/13 14:07	130628S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	631.2	1000	1432	80	1621	99	57-129	12	0-23	
Toluene	427.4	1000	1256	83	1431	100	50-134	13	0-26	
Ethylbenzene	481.2	1000	1378	90	1382	90	58-130	0	0-26	
p/m-Xylene	1046	2000	2820	89	2819	89	58-130	0	0-28	
o-Xylene	478.2	1000	1355	88	1358	88	57-123	0	0-26	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: ExxonMobil 70235/022229C

Date Received: 06/25/13
Work Order: 13-06-1606
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-06-1659-2	Aqueous	GC/MS L	06/26/13	06/26/13 14:46	130626S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	10.00	9.872	99	9.398	94	67-121	5	0-49	
Tert-Butyl Alcohol (TBA)	ND	50.00	97.90	196	65.40	131	36-162	40	0-30	HX,BA
Diisopropyl Ether (DIPE)	ND	10.00	9.241	92	8.967	90	60-138	3	0-45	
Ethyl-t-Butyl Ether (ETBE)	ND	10.00	9.480	95	10.12	101	69-123	7	0-30	
Tert-Amyl-Methyl Ether (TAME)	ND	10.00	10.38	104	10.30	103	65-120	1	0-20	
Ethanol	ND	100.0	108.0	108	109.7	110	30-180	2	0-72	
1,2-Dibromoethane	ND	10.00	10.56	106	10.58	106	80-120	0	0-20	
1,2-Dichloroethane	ND	10.00	10.21	102	9.907	99	80-120	3	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Cardno ERI		Date Received:	06/25/13
601 North McDowell Blvd.		Work Order:	13-06-1606
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 1 of 7

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-278-328	Aqueous	GC 47	06/26/13	06/28/13 02:25	130626B18

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	2000	2250	113	2174	109	75-117	3	0-13	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Cardno ERI	Date Received: 06/25/13
601 North McDowell Blvd.	Work Order: 13-06-1606
Petaluma, CA 94954-2312	Preparation: EPA 3510C
	Method: EPA 8015B (M)
Project: ExxonMobil 70235/022229C	Page 2 of 7

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-304-371	Aqueous	GC 47	06/26/13	06/28/13 01:54	130626B17

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	2000	2347	117	2319	116	75-117	1	0-13	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI		Date Received:	06/25/13
601 North McDowell Blvd.		Work Order:	13-06-1606
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 3 of 7

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-436-8668	Aqueous	GC 25	07/01/13 11:43	130701B02

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	2000	1901	95	78-120	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI		Date Received:	06/25/13
601 North McDowell Blvd.		Work Order:	13-06-1606
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 4 of 7

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-436-8669	Aqueous	GC 25	07/02/13 11:36	130702B01

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	2000	1980	99	78-120	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI		Date Received:	06/25/13
601 North McDowell Blvd.		Work Order:	13-06-1606
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8021B
Project: ExxonMobil 70235/022229C			Page 5 of 7

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-667-1804	Aqueous	GC 8	06/26/13 12:08	130626B01

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Benzene	100.0	94.71	95	70-118	
Toluene	100.0	97.30	97	66-114	
Ethylbenzene	100.0	95.57	96	72-114	
p/m-Xylene	200.0	189.4	95	74-116	
o-Xylene	100.0	93.11	93	72-114	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI		Date Received:	06/25/13
601 North McDowell Blvd.		Work Order:	13-06-1606
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8021B
Project: ExxonMobil 70235/022229C			Page 6 of 7

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-667-1807	Aqueous	GC 8	06/28/13 13:01	130628B01

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Benzene	100.0	92.72	93	70-118	
Toluene	100.0	99.83	100	66-114	
Ethylbenzene	100.0	94.22	94	72-114	
p/m-Xylene	200.0	187.1	94	74-116	
o-Xylene	100.0	92.95	93	72-114	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI		Date Received:	06/25/13
601 North McDowell Blvd.		Work Order:	13-06-1606
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 70235/022229C			Page 7 of 7

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-884-1058	Aqueous	GC/MS L	06/26/13 10:15	130626L01

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	10.00	9.108	91	69-123	
Tert-Butyl Alcohol (TBA)	50.00	50.04	100	63-123	
Diisopropyl Ether (DIPE)	10.00	8.663	87	59-137	
Ethyl-t-Butyl Ether (ETBE)	10.00	8.660	87	69-123	
Tert-Amyl-Methyl Ether (TAME)	10.00	9.648	96	70-120	
Ethanol	100.0	107.3	107	28-160	
1,2-Dibromoethane	10.00	9.832	98	79-121	
1,2-Dichloroethane	10.00	9.308	93	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-06-1606 Page 1 of 1

Qualifiers	Definition
AZ	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BA	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
BB	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
BU	Sample analyzed after holding time expired.
DF	Reporting limits elevated due to matrix interferences.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
GE	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
HD	Chromat. profile inconsistent with pattern(s) of ref. fuel stnds.
HO	High concentration matrix spike recovery out of limits
HT	Analytical value calculated using results from associated tests.
HX	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
IL	Relative percent difference out of control.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
LD	Analyte presence was not confirmed by second column or GC/MS analysis.
LP	The LCS and/or LCSD recoveries for this analyte were above the upper control limit. The associated sample was non-detected. Therefore, the sample data was reported without further clarification.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.
ND	Parameter not detected at the indicated reporting limit.
QO	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
RU	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
SG	A silica gel cleanup procedure was performed.
SN	See applicable analysis comment.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	For any analysis identified as a "field" test with a holding time (HT) </= 15 minutes where the sample is received outside of HT, Calscience will adhere to its internal HT of 24 hours. In cases where sample analysis does not meet Calscience's internal HT, results will be appropriately qualified.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Cecile de Guia

From: Rebekah Westrup [rebekah.westrup@cardno.com]
Sent: Wednesday, June 26, 2013 12:46 PM
To: Cecile de Guia
Subject: FW: Can we add Ethanol

That is for all soil and groundwater samples submitted between June 11th and now.

Rebekah A. Westrup
SR STAFF GEOLOGIST
CARDNO ERI

Phone (+1) 707-766-2000 Fax (+1) 707-789-0414 Mobile (+1) 707-338-8555
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email rebekah.westrup@cardno.com Web www.cardno.com www.cardnoeri.com

From: Rebekah Westrup
Sent: Wednesday, June 26, 2013 12:47 PM
To: Cecile de Guia
Subject: Can we add Ethanol

Cecile:

We forgot to request Ethanol for the 2229 samples Former Exxon 70235? Can we add those results as we did run the oxys at 8260?

Rebekah A. Westrup
SR STAFF GEOLOGIST
CARDNO ERI

Cardno ERI
Shaping the Future

Phone (+1) 707-766-2000 Fax (+1) 707-789-0414 Mobile (+1) 707-338-8555
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email rebekah.westrup@cardno.com Web www.cardno.com www.cardnoeri.com

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Calscience Environmental Laboratories, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil

13-06-1606

Consultant Name: Cardno ERI | **Account #:** NA | **PO#:** Direct Bill Cardno ERI
Consultant Address: 601 N. McDowell Boulevard | **Invoice To:** Direct Bill Cardno ERI
Consultant City/State/Zip: Petaluma, California, 94954 | **Report To:** Rebekah Westrup
ExxonMobil Project Mgr: Jennifer Sedlachek | **Project Name:** 02 2229 C
Consultant Project Mgr: Rebekah Westrup | **ExxonMobil Site #:** 70235 | **Major Project (AFE):**
Consultant Telephone Number: 707-766-2000 | **Fax No.:** 707-789-0414 | **Site Address:** 2225 Telegraph Avenue
Sampler Name (Print): Azat R. Magrdanov | **Site City, State, Zip:** Oakland, California
Sampler Signature: | **Oversight Agency:** Alameda County Environmental Health Department

	Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For: TPHg 8015B	BTEX 8021B	OXYGENATES 8260B	Ethanol 8260B	TPHd 8015B	TPHmo 8015B	TDS 160.1	RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	QCBB	QCBB	6/21/13	1155	2						2V														x	H	O	L	D							
2	W-12-MW6Kb	MW6Kb	6/21/13	1125	8						6V					6V/2A			x							x	x	x		x	x				X	
3	W-12-MW6Lb	MW6Lb	6/21/13	1150	8						6V					6V/2A			x							x	x	x		x	x				X	

Comments/Special Instructions:
PLEASE E-MAIL ALL PDF FILES TO
norcallabs@eri-us.com
GLOBAL ID # T0600101354

Use silica gel cleanup on all TPHd analyses
7 CA Oxys= MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE.
Set TBA detection limit at or below 12 ug/L

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ TestAmerica Project Manager or attach specific instructions

Relinquished by:	Date	Time	Received by:	Date	Time
Azat R. Magdanov	6/24/13	1140	Tom Malley	6/24/13	1140
Tom Malley TO 650	6/24/13	1730	prep 1. [illegible]	6/25/13	10:15

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GSO

WebShip >>>>>

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Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
CARDNO ERI, CURTIS & TOMPKINS, PORT COSTA

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 522117809

NPS

ORC

A

GARDEN GROVE

D92841A

13403765

Print Date : 06/24/13 14:53 PM

Package 1 of 1

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-06-1606

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CARDNO ERI

DATE: 06/25/13

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.7 °C - 0.2 °C (CF) = 2.5 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Initial: JR

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Initial: JR

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: NL

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☑500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** NL

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** TN

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** TN

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Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 13-06-1038

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

RECEIVED
JUN 27 2013
BY:

Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 70235/022229C

Attention: Rebekah Westrup
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Cecile deGuia

Approved for release on 06/27/2013 by:
Cecile deGuia
Project Manager

ResultLink ▸

Email your PM ▸

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Contents

Client Project Name: ExxonMobil 70235/022229C
Work Order Number: 13-06-1038

Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 13-06-1038

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 06/15/13. They were assigned to Work Order 13-06-1038.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with an immediate holding time (HT </= 15 minutes --40CFR-136.3 Table II footnote 4), is considered a "field" test and reported samples results are not flagged unless the analysis is performed beyond 24 hours of the time of collection.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Sample Summary

Client:	Cardno ERI	Work Order:	13-06-1038
	601 North McDowell Blvd.	Project Name:	ExxonMobil 70235/022229C
	Petaluma, CA 94954-2312	PO Number:	022229C
		Date Received:	06/15/13
Attn:	Rebekah Westrup		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
S-SP1-A	13-06-1038-1	06/13/13 15:30	1	Soil
S-SP1-B	13-06-1038-2	06/13/13 15:30	1	Soil
S-SP1-C	13-06-1038-3	06/13/13 15:30	1	Soil
S-SP1-D	13-06-1038-4	06/13/13 15:30	1	Soil
SP1	13-06-1038-5	06/13/13 15:30	1	Soil

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Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1038
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP1	**13-06-1038-5-A**	**06/13/13 15:30**	**Soil**	**GC 45**	**06/18/13**	**06/19/13 13:26**	**130618B07**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	120	5.0	1	SG,HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	80	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-422-549**	**N/A**	**Soil**	**GC 45**	**06/18/13**	**06/19/13 07:36**	**130618B07**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	79	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1038
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP1	**13-06-1038-5-A**	**06/13/13 15:30**	**Soil**	**GC 4**	**06/17/13**	**06/17/13 19:14**	**130617B02**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	2700	200	400	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	88	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-571-997**	**N/A**	**Soil**	**GC 4**	**06/17/13**	**06/17/13 17:02**	**130617B02**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	4.0	8	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	83	42-126	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1038
Preparation: EPA 5030C
Method: EPA 8021B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP1	13-06-1038-5-A	06/13/13 15:30	Soil	GC 8	06/17/13	06/21/13 17:26	130621B02

Parameter	Result	RL	DF	Qualifiers
Benzene	5.4	0.50	100	
Toluene	12	0.50	100	
Ethylbenzene	37	0.50	100	
p/m-Xylene	120	1.0	100	
o-Xylene	37	0.50	100	
Xylenes (total)	160	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	124	51-129	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-657-1047	N/A	Soil	GC 8	06/21/13	06/21/13 12:57	130621B02

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.040	8	
Toluene	ND	0.040	8	
Ethylbenzene	ND	0.040	8	
p/m-Xylene	ND	0.080	8	
o-Xylene	ND	0.040	8	
Xylenes (total)	ND	0.040	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	109	51-129	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1038
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP1	13-06-1038-5-A	06/13/13 15:30	Soil	ICP 7300	06/17/13	06/18/13 18:30	130617L01

Parameter	Result	RL	DF	Qualifiers
Lead	5.98	0.500	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-002-16923	N/A	Soil	ICP 7300	06/17/13	06/17/13 12:24	130617L01

Parameter	Result	RL	DF	Qualifiers
Lead	ND	0.500	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1038
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP1	13-06-1038-5-A	06/13/13 15:30	Soil	GC/MS T	06/17/13	06/18/13 19:16	130618L02

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1000	
Tert-Butyl Alcohol (TBA)	ND	50	1000	
Diisopropyl Ether (DIPE)	ND	10	1000	
Ethyl-t-Butyl Ether (ETBE)	ND	10	1000	
Tert-Amyl-Methyl Ether (TAME)	ND	10	1000	
Ethanol	ND	250	1000	
1,1,1,2-Tetrachloroethane	ND	5.0	1000	
1,1,1-Trichloroethane	ND	5.0	1000	
1,1,2,2-Tetrachloroethane	ND	5.0	1000	
1,1,2-Trichloroethane	ND	5.0	1000	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1000	
1,1-Dichloroethane	ND	5.0	1000	
1,1-Dichloroethene	ND	5.0	1000	
1,1-Dichloropropene	ND	5.0	1000	
1,2,3-Trichlorobenzene	ND	10	1000	
1,2,3-Trichloropropane	ND	5.0	1000	
1,2,4-Trichlorobenzene	ND	5.0	1000	
1,2,4-Trimethylbenzene	92	5.0	1000	
1,3,5-Trimethylbenzene	29	5.0	1000	
c-1,2-Dichloroethene	ND	5.0	1000	
1,2-Dibromo-3-Chloropropane	ND	10	1000	
1,2-Dibromoethane	ND	5.0	1000	
1,2-Dichlorobenzene	ND	5.0	1000	
1,2-Dichloroethane	ND	5.0	1000	
1,2-Dichloropropane	ND	5.0	1000	
t-1,2-Dichloroethene	ND	5.0	1000	
c-1,3-Dichloropropene	ND	5.0	1000	
1,3-Dichlorobenzene	ND	5.0	1000	
1,3-Dichloropropane	ND	5.0	1000	
t-1,3-Dichloropropene	ND	5.0	1000	
1,4-Dichlorobenzene	ND	5.0	1000	
2,2-Dichloropropane	ND	5.0	1000	
2-Chlorotoluene	ND	5.0	1000	
4-Chlorotoluene	ND	5.0	1000	
4-Methyl-2-Pentanone	ND	50	1000	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI	Date Received:	06/15/13
601 North McDowell Blvd.	Work Order:	13-06-1038
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	mg/kg
Project: ExxonMobil 70235/022229C		Page 2 of 4

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1000	
Bromobenzene	ND	5.0	1000	
Bromochloromethane	ND	5.0	1000	
Bromoform	ND	5.0	1000	
Bromomethane	ND	25	1000	
Carbon Disulfide	ND	50	1000	
Carbon Tetrachloride	ND	5.0	1000	
Chlorobenzene	ND	5.0	1000	
Dibromochloromethane	ND	5.0	1000	
Chloroethane	ND	5.0	1000	
Chloroform	ND	5.0	1000	
Chloromethane	ND	25	1000	
Dibromomethane	ND	5.0	1000	
Bromodichloromethane	ND	5.0	1000	
Dichlorodifluoromethane	ND	5.0	1000	
Hexachloro-1,3-Butadiene	ND	100	1000	
Isopropylbenzene	ND	5.0	1000	
2-Butanone	ND	50	1000	
Methylene Chloride	ND	50	1000	
2-Hexanone	ND	50	1000	
Naphthalene	ND	50	1000	
n-Butylbenzene	11	5.0	1000	
n-Propylbenzene	17	5.0	1000	
p-Isopropyltoluene	ND	5.0	1000	
sec-Butylbenzene	ND	5.0	1000	
Styrene	ND	5.0	1000	
tert-Butylbenzene	ND	5.0	1000	
Tetrachloroethene	ND	5.0	1000	
Trichloroethene	ND	5.0	1000	
Trichlorofluoromethane	ND	50	1000	
Vinyl Chloride	ND	5.0	1000	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	60-132	
Dibromofluoromethane	99	63-141	
1,2-Dichloroethane-d4	86	62-146	
Toluene-d8	108	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1038
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-1510**	**N/A**	**Soil**	**GC/MS T**	**06/18/13**	**06/18/13 14:09**	**130618L02**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	100	
Diisopropyl Ether (DIPE)	ND	1.0	100	
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Ethanol	ND	25	100	
1,1,1,2-Tetrachloroethane	ND	0.50	100	
1,1,1-Trichloroethane	ND	0.50	100	
1,1,2,2-Tetrachloroethane	ND	0.50	100	
1,1,2-Trichloroethane	ND	0.50	100	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5.0	100	
1,1-Dichloroethane	ND	0.50	100	
1,1-Dichloroethene	ND	0.50	100	
1,1-Dichloropropene	ND	0.50	100	
1,2,3-Trichlorobenzene	ND	1.0	100	
1,2,3-Trichloropropane	ND	0.50	100	
1,2,4-Trichlorobenzene	ND	0.50	100	
1,2,4-Trimethylbenzene	ND	0.50	100	
1,3,5-Trimethylbenzene	ND	0.50	100	
c-1,2-Dichloroethene	ND	0.50	100	
1,2-Dibromo-3-Chloropropane	ND	1.0	100	
1,2-Dibromoethane	ND	0.50	100	
1,2-Dichlorobenzene	ND	0.50	100	
1,2-Dichloroethane	ND	0.50	100	
1,2-Dichloropropane	ND	0.50	100	
t-1,2-Dichloroethene	ND	0.50	100	
c-1,3-Dichloropropene	ND	0.50	100	
1,3-Dichlorobenzene	ND	0.50	100	
1,3-Dichloropropane	ND	0.50	100	
t-1,3-Dichloropropene	ND	0.50	100	
1,4-Dichlorobenzene	ND	0.50	100	
2,2-Dichloropropane	ND	0.50	100	
2-Chlorotoluene	ND	0.50	100	
4-Chlorotoluene	ND	0.50	100	
4-Methyl-2-Pentanone	ND	5.0	100	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1038
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	12	100	
Bromobenzene	ND	0.50	100	
Bromochloromethane	ND	0.50	100	
Bromoform	ND	0.50	100	
Bromomethane	ND	2.5	100	
Carbon Disulfide	ND	5.0	100	
Carbon Tetrachloride	ND	0.50	100	
Chlorobenzene	ND	0.50	100	
Dibromochloromethane	ND	0.50	100	
Chloroethane	ND	0.50	100	
Chloroform	ND	0.50	100	
Chloromethane	ND	2.5	100	
Dibromomethane	ND	0.50	100	
Bromodichloromethane	ND	0.50	100	
Dichlorodifluoromethane	ND	0.50	100	
Hexachloro-1,3-Butadiene	ND	10	100	
Isopropylbenzene	ND	0.50	100	
2-Butanone	ND	5.0	100	
Methylene Chloride	ND	5.0	100	
2-Hexanone	ND	5.0	100	
Naphthalene	ND	5.0	100	
n-Butylbenzene	ND	0.50	100	
n-Propylbenzene	ND	0.50	100	
p-Isopropyltoluene	ND	0.50	100	
sec-Butylbenzene	ND	0.50	100	
Styrene	ND	0.50	100	
tert-Butylbenzene	ND	0.50	100	
Tetrachloroethene	ND	0.50	100	
Trichloroethene	ND	0.50	100	
Trichlorofluoromethane	ND	5.0	100	
Vinyl Chloride	ND	0.50	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	60-132	
Dibromofluoromethane	100	63-141	
1,2-Dichloroethane-d4	86	62-146	
Toluene-d8	97	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1038
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 1 of 5

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-06-1037-2	Soil	GC 45	06/18/13	06/19/13 08:11	130618S07

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	428.6	107	424.5	106	64-130	1	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1038
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 2 of 5

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-06-1037-2	Soil	GC 4	06/17/13	06/17/13 18:08	130617S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	10.00	9.789	98	9.729	97	48-114	1	0-23	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1038
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8021B
Project: ExxonMobil 70235/022229C			Page 3 of 5

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-06-1037-6	Soil	GC 8	06/20/13	06/21/13 15:13	130621S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	0.5000	0.5100	102	0.5694	114	58-118	11	0-24	
Toluene	ND	0.5000	0.5255	105	0.4998	100	61-109	5	0-20	
Ethylbenzene	ND	0.5000	0.5221	104	0.5263	105	59-113	1	0-20	
p/m-Xylene	ND	1.000	1.030	103	1.038	104	55-115	1	0-20	
o-Xylene	ND	0.5000	0.5140	103	0.5217	104	56-110	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1038
Petaluma, CA 94954-2312		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: ExxonMobil 70235/022229C			Page 4 of 5

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-06-1053-1	Soil	ICP 7300	06/17/13	06/17/13 12:28	130617S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	18.80	25.00	44.78	104	42.22	94	75-125	6	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: ExxonMobil 70235/022229C

Date Received: 06/15/13
Work Order: 13-06-1038
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-06-1105-1	Soil	GC/MS T	06/18/13	06/18/13 15:33	130618S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.05000	0.04687	94	0.04673	93	57-123	0	0-21	
Tert-Butyl Alcohol (TBA)	ND	0.2500	0.2501	100	0.2473	99	30-168	1	0-34	
Diisopropyl Ether (DIPE)	ND	0.05000	0.04462	89	0.04442	89	57-129	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	0.05000	0.04764	95	0.04825	96	55-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	0.05000	0.04133	83	0.04547	91	58-124	10	0-20	
Ethanol	ND	0.5000	0.4891	98	0.5091	102	17-167	4	0-47	
1,1-Dichloroethene	ND	0.05000	0.05172	103	0.05472	109	47-143	6	0-25	
1,2-Dibromoethane	ND	0.05000	0.03847	77	0.03954	79	64-124	3	0-20	
1,2-Dichlorobenzene	ND	0.05000	0.02189	44	0.02530	51	35-131	14	0-25	
1,2-Dichloroethane	ND	0.05000	0.04028	81	0.04436	89	80-120	10	0-20	
Carbon Tetrachloride	ND	0.05000	0.04154	83	0.04695	94	51-135	12	0-29	
Chlorobenzene	ND	0.05000	0.03226	65	0.03486	70	57-123	8	0-20	
Trichloroethene	ND	0.05000	0.07120	142	0.06975	140	44-158	2	0-20	
Vinyl Chloride	ND	0.05000	0.04799	96	0.04781	96	49-139	0	0-47	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - PDS/PDSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: ExxonMobil 70235/022229C

Date Received: 06/15/13
Work Order: 13-06-1038
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
13-06-1053-1	Soil	ICP 7300	06/17/13 00:00	06/17/13 12:31	130617S01

Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	PDSD Conc.	PDSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	18.80	25.00	41.68	92	41.50	91	75-125	0	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1038
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 1 of 5

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-15-422-549	Soil	GC 45	06/19/13 07:53	130618B07

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	379.7	95	75-123	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1038
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 2 of 5

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-14-571-997	Soil	GC 4	06/17/13 14:15	130617B02

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	10.00	9.575	96	70-124	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1038
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8021B
Project: ExxonMobil 70235/022229C			Page 3 of 5

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-657-1047	Soil	GC 8	06/21/13 11:16	130621B02

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Benzene	0.5000	0.5466	109	70-118	
Toluene	0.5000	0.4767	95	71-107	
Ethylbenzene	0.5000	0.4940	99	66-120	
p/m-Xylene	1.000	0.9759	98	66-120	
o-Xylene	0.5000	0.4863	97	66-114	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1038
Petaluma, CA 94954-2312		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: ExxonMobil 70235/022229C			Page 4 of 5

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
097-01-002-16923	Soil	ICP 7300	06/17/13 12:26	130617L01

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Lead	25.00	25.26	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: ExxonMobil 70235/022229C

Date Received: 06/15/13
Work Order: 13-06-1038
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-882-1510	Soil	GC/MS T	06/18/13 12:47	130618L02

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	0.05000	0.04679	94	77-120	70-127	
Tert-Butyl Alcohol (TBA)	0.2500	0.2289	92	68-122	59-131	
Diisopropyl Ether (DIPE)	0.05000	0.04476	90	78-120	71-127	
Ethyl-t-Butyl Ether (ETBE)	0.05000	0.04645	93	78-120	71-127	
Tert-Amyl-Methyl Ether (TAME)	0.05000	0.04390	88	75-120	68-128	
Ethanol	0.5000	0.4389	88	56-140	42-154	
1,1-Dichloroethene	0.05000	0.04734	95	74-122	66-130	
1,2-Dibromoethane	0.05000	0.04271	85	80-120	73-127	
1,2-Dichlorobenzene	0.05000	0.04389	88	75-120	68-128	
1,2-Dichloroethane	0.05000	0.04559	91	80-120	73-127	
Carbon Tetrachloride	0.05000	0.06125	122	49-139	34-154	
Chlorobenzene	0.05000	0.04494	90	79-120	72-127	
Trichloroethene	0.05000	0.04737	95	80-120	73-127	
Vinyl Chloride	0.05000	0.04642	93	68-122	59-131	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-06-1038 Page 1 of 1

Qualifiers	Definition
AZ	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BA	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
BB	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
BU	Sample analyzed after holding time expired.
DF	Reporting limits elevated due to matrix interferences.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
GE	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
HD	Chromat. profile inconsistent with pattern(s) of ref. fuel stnds.
HO	High concentration matrix spike recovery out of limits
HT	Analytical value calculated using results from associated tests.
HX	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
IL	Relative percent difference out of control.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
LD	Analyte presence was not confirmed by second column or GC/MS analysis.
LP	The LCS and/or LCSD recoveries for this analyte were above the upper control limit. The associated sample was non-detected. Therefore, the sample data was reported without further clarification.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.
ND	Parameter not detected at the indicated reporting limit.
QO	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
RU	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
SG	A silica gel cleanup procedure was performed.
SN	See applicable analysis comment.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

For any analysis identified as a "field" test with a holding time (HT) </= 15 minutes where the sample is received outside of HT, Calscience will adhere to its internal HT of 24 hours. In cases where sample analysis does not meet Calscience's internal HT, results will be appropriately qualified.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Sandy Tat

From: Rebekah Westrup [rebekah.westrup@cardno.com]
Sent: Wednesday, June 26, 2013 12:51 PM
To: Sandy Tat
Subject: FW: Can we add Ethanol

FYI

Rebekah A. Westrup
SR STAFF GEOLOGIST
CARDNO ERI

Phone (+1) 707-766-2000 Fax (+1) 707-789-0414 Mobile (+1) 707-338-8555
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email rebekah.westrup@cardno.com Web www.cardno.com www.cardnoeri.com

From: Rebekah Westrup
Sent: Wednesday, June 26, 2013 12:49 PM
To: Cecile de Guia
Subject: FW: Can we add Ethanol

That is for all soil and groundwater samples submitted between June 11th and now.

Rebekah A. Westrup
SR STAFF GEOLOGIST
CARDNO ERI

Phone (+1) 707-766-2000 Fax (+1) 707-789-0414 Mobile (+1) 707-338-8555
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email rebekah.westrup@cardno.com Web www.cardno.com www.cardnoeri.com

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From: Rebekah Westrup
Sent: Wednesday, June 26, 2013 12:47 PM
To: Cecile de Guia
Subject: Can we add Ethanol

Cecile:

We forgot to request Ethanol for the 2229 samples Former Exxon 70235? Can we add those results as we did run the oxys at 8260?

Rebekah A. Westrup
SR STAFF GEOLOGIST
CARDNO ERI

Cardno ERI
Shaping the Future

Phone (+1) 707-766-2000 Fax (+1) 707-789-0414 Mobile (+1) 707-338-8555
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email rebekah.westrup@cardno.com Web www.cardno.com www.cardnoeri.com

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Calscience Environmental Laboratories, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil
13-06-1038

Consultant Name: Cardno ERI
Consultant Address: 601 N. McDowell Boulevard
Consultant City/State/Zip: Petaluma, California, 94954
ExxonMobil Project Mgr: Jennifer Sedlachek
Consultant Project Mgr: Rebekah Westrup
Consultant Telephone Number: 707-766-2000 **Fax No.:** 707-789-0414
Sampler Name (Print): Rebekah Westrup
Sampler Signature:

Account #: NA **PO#:** Direct Bill Cardno ERI
Invoice To: Direct Bill Cardno ERI
Report To: Rebekah Westrup
Project Name: 02 2229 CX
ExxonMobil Site #: 70235 **Major Project (AFE #:**
Site Address: 2225 Telegraph Avenue
Site City, State, Zip: Oakland, California
Oversight Agency: Alameda County Environmental Health Department

								Preservative										Matrix							Analyze For:											
Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	TPHg 8015B	BTEX 8021B	OXYGENATES 8260B	TPHd 8015B	Total Lead 6010		8260 Full Scan		RUSH TAT (Pre-Schedule	5-day TAT	Standard 10-day TAT	Due Date of Report
4 S-SP1-(A-D)	SP1	6/13/13	1530	4		X																X			X	X	X	X	x		X					
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																																			X	

Comments/Special Instructions:
PLEASE E-MAIL ALL PDF FILES TO
norcallabs@eri-us.com; ERI-EIMLABS@eri-us.com
GLOBAL ID# T0600101354

Use silica gel cleanup on all TPHd analyses
7 CA Oxys= MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE.
Set TBA detection limit at or below 12 ug/L
COMBINE 4 Sleeves into Single Sample SP1

Relinquished by:		Date 6/14/13	Time 1320	Received by: Tom O'malley CKC	Date 6/14/13	Time 1320
Relinquished by: Tom O'malley	TO GSO	Date 6/14/13	Time 1730	Received by (Lab personnel): Cso	Date 6/15/13	Time 1030

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ TestAmerica Project Manager or attach specific instructions

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GSO

WebShip > > > > >

800-322-5555 www.gso.com

Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
CARDNO ERI, TERRA PACIFIC GROUP

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 522054036

SDS

ORC

A

GARDEN GROVE

D92841A

13149654

Print Date : 06/14/13 16:37 PM

Package 1 of 1

Send Label To Printer ☑ Print All Edit Shipment Finish

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
STEP 2 - Fold this page in half.
STEP 3 - Securely attach this label to your package, do not cover the barcode.
STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section.
Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-06-1038

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Cardno ERI DATE: 06/15/13

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.9 °C - 0.2 °C (CF) = 2.7 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Initial: YC

CUSTODY SEALS INTACT:

☑ Cooler ☐ _____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Initial: YC

☐ Sample ☐ _____ ☐ No (Not Intact) ☑ Not Present Initial: YS

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (S) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister Other: ☐_____ Trip Blank Lot#:_____ Labeled/Checked by: YS

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: YC

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered Scanned by: _____

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Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 13-06-1037

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

RECEIVED
JUN 28 2013
BY:----------

Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 70235/022229C

Attention: Rebekah Westrup
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Cecile deGuia

Approved for release on 06/28/2013 by:
Cecile deGuia
Project Manager

ResultLink ▸

Email your PM ▸

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Contents

Client Project Name: ExxonMobil 70235/022229C
Work Order Number: 13-06-1037

Calscience Environmental Laboratories, Inc.

Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 06/15/13. They were assigned to Work Order 13-06-1037.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with an immediate holding time (HT </= 15 minutes --40CFR-136.3 Table II footnote 4), is considered a "field" test and reported samples results are not flagged unless the analysis is performed beyond 24 hours of the time of collection.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

* EPA 8260B
Note that sample S-4-MW6Ka (13-06-1037-5) was analyzed without dilution. All the target compounds were well within the calibration range with the exception of Naphthalene which exceeded the calibration range and required a dilution.
A methanol extract was prepared for dilution analysis. The maximum amount of methanol that can be used for the dilution into reagent water without causing instrument problem is 100µL. Thus, the dilution factor for the methanol extraction is 100x. However, at this dilution, Naphthalene was not detected at or above the reporting limit (RL).

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Sample Summary

Client: Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Attn: Rebekah Westrup

Work Order: 13-06-1037
Project Name: ExxonMobil 70235/022229C
PO Number: 022229C
Date Received: 06/15/13

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
S-2-MW6Lb	13-06-1037-1	06/11/13 10:43	1	Soil
S-4-MW6La	13-06-1037-2	06/11/13 09:56	1	Soil
S-5-MW6Lb	13-06-1037-3	06/11/13 11:06	1	Soil
S-2-MW6Kb	13-06-1037-4	06/11/13 14:10	1	Soil
S-4-MW6Ka	13-06-1037-5	06/11/13 13:50	1	Soil
S-5-MW6Kb	13-06-1037-6	06/11/13 14:20	1	Soil
S-7-MW6Ka	13-06-1037-7	06/11/13 15:00	1	Soil
S-15-MW6Lb	13-06-1037-8	06/12/13 10:00	1	Soil
S-19.5-MW6Lb	13-06-1037-9	06/12/13 10:30	1	Soil
S-9-MW6La	13-06-1037-10	06/12/13 15:00	1	Soil
S-11-MW6La	13-06-1037-11	06/12/13 15:45	1	Soil
S-15-MW6Kb	13-06-1037-12	06/13/13 09:30	1	Soil
S-19.5-MW6Kb	13-06-1037-13	06/13/13 09:55	1	Soil
S-9-MW6Ka	13-06-1037-14	06/13/13 10:30	1	Soil

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Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2-MW6Lb	13-06-1037-1-A	06/11/13 10:43	Soil	GC 45	06/18/13	06/19/13 08:46	130618B07

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4-MW6La	13-06-1037-2-A	06/11/13 09:56	Soil	GC 45	06/18/13	06/19/13 09:04	130618B07

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	107	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW6Lb	13-06-1037-3-A	06/11/13 11:06	Soil	GC 45	06/18/13	06/19/13 09:22	130618B07

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	104	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2-MW6Kb	13-06-1037-4-A	06/11/13 14:10	Soil	GC 45	06/18/13	06/19/13 09:39	130618B07

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	104	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4-MW6Ka	13-06-1037-5-A	06/11/13 13:50	Soil	GC 45	06/18/13	06/19/13 09:57	130618B07

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	19	5.0	1	SG,HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	97	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW6Kb	13-06-1037-6-A	06/11/13 14:20	Soil	GC 45	06/18/13	06/19/13 10:15	130618B07

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	92	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-7-MW6Ka	13-06-1037-7-A	06/11/13 15:00	Soil	GC 45	06/18/13	06/19/13 10:31	130618B07

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-15-MW6Lb	13-06-1037-8-A	06/12/13 10:00	Soil	GC 45	06/18/13	06/19/13 10:49	130618B07

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	81	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19.5-MW6Lb	13-06-1037-9-A	06/12/13 10:30	Soil	GC 45	06/18/13	06/19/13 11:06	130618B07

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	87	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9-MW6La	13-06-1037-10-A	06/12/13 15:00	Soil	GC 45	06/18/13	06/19/13 11:24	130618B07

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	87	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-11-MW6La	13-06-1037-11-A	06/12/13 15:45	Soil	GC 45	06/18/13	06/19/13 11:59	130618B07

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-15-MW6Kb	13-06-1037-12-A	06/13/13 09:30	Soil	GC 45	06/18/13	06/19/13 12:34	130618B07

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	670	5.0	1	SG,HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19.5-MW6Kb	13-06-1037-13-A	06/13/13 09:55	Soil	GC 45	06/18/13	06/19/13 12:51	130618B07

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	77	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9-MW6Ka	13-06-1037-14-A	06/13/13 10:30	Soil	GC 45	06/18/13	06/19/13 13:08	130618B07

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	84	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-15-422-549	N/A	Soil	GC 45	06/18/13	06/19/13 07:36	130618B07

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	79	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2-MW6Lb	13-06-1037-1-A	06/11/13 10:43	Soil	GC 4	06/17/13	06/17/13 20:20	130617B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	86	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4-MW6La	13-06-1037-2-A	06/11/13 09:56	Soil	GC 4	06/17/13	06/17/13 17:35	130617B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	83	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW6Lb	13-06-1037-3-A	06/11/13 11:06	Soil	GC 4	06/17/13	06/17/13 20:53	130617B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	1.9	0.50	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	88	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2-MW6Kb	13-06-1037-4-A	06/11/13 14:10	Soil	GC 4	06/17/13	06/17/13 21:26	130617B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	87	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4-MW6Ka	13-06-1037-5-A	06/11/13 13:50	Soil	GC 4	06/17/13	06/18/13 00:10	130617B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	10	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	108	42-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW6Kb	13-06-1037-6-A	06/11/13 14:20	Soil	GC 4	06/17/13	06/17/13 21:59	130617B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	0.71	0.50	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	86	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-7-MW6Ka	13-06-1037-7-A	06/11/13 15:00	Soil	GC 4	06/17/13	06/17/13 22:32	130617B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	1.3	0.50	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	87	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-15-MW6Lb	13-06-1037-8-A	06/12/13 10:00	Soil	GC 4	06/17/13	06/17/13 23:05	130617B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	20	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	115	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19.5-MW6Lb	13-06-1037-9-A	06/12/13 10:30	Soil	GC 4	06/17/13	06/17/13 23:37	130617B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	1.3	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	86	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9-MW6La	13-06-1037-10-A	06/12/13 15:00	Soil	GC 4	06/17/13	06/18/13 01:49	130617B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	88	42-126	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-11-MW6La	**13-06-1037-11-A**	**06/12/13 15:45**	**Soil**	**GC 4**	**06/17/13**	**06/18/13 02:22**	**130617B01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	0.54	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	82	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-15-MW6Kb	**13-06-1037-12-A**	**06/13/13 09:30**	**Soil**	**GC 4**	**06/17/13**	**06/19/13 03:42**	**130618B03**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	2300	500	1000	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	91	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19.5-MW6Kb	**13-06-1037-13-A**	**06/13/13 09:55**	**Soil**	**GC 4**	**06/17/13**	**06/18/13 02:55**	**130617B01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	84	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9-MW6Ka	**13-06-1037-14-A**	**06/13/13 10:30**	**Soil**	**GC 4**	**06/17/13**	**06/18/13 03:28**	**130617B01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	3.0	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	92	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-571-995**	**N/A**	**Soil**	**GC 4**	**06/17/13**	**06/17/13 12:36**	**130617B01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	80	42-126	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: ExxonMobil 70235/022229C

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-571-1000**	**N/A**	**Soil**	**GC 4**	**06/18/13**	**06/18/13 18:55**	**130618B03**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	4.0	8	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	91	42-126	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8021B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2-MW6Lb	13-06-1037-1-A	06/11/13 10:43	Soil	GC 21	06/20/13	06/20/13 20:13	130620B02

Parameter	Result	RL	DF	Qualifiers
Benzene	0.014	0.0050	1	
Toluene	ND	0.0050	1	
Ethylbenzene	0.016	0.0050	1	
p/m-Xylene	ND	0.010	1	
o-Xylene	ND	0.0050	1	
Xylenes (total)	ND	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	51-129	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4-MW6La	13-06-1037-2-A	06/11/13 09:56	Soil	GC 21	06/24/13	06/24/13 12:35	130624B01

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0050	1	
Toluene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1	
p/m-Xylene	ND	0.010	1	
o-Xylene	ND	0.0050	1	
Xylenes (total)	ND	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	81	51-129	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW6Lb	13-06-1037-3-A	06/11/13 11:06	Soil	GC 21	06/20/13	06/20/13 21:19	130620B02

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0050	1	
Toluene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1	
p/m-Xylene	ND	0.010	1	
o-Xylene	ND	0.0050	1	
Xylenes (total)	ND	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	64	51-129	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8021B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2-MW6Kb	13-06-1037-4-A	06/11/13 14:10	Soil	GC 21	06/20/13	06/20/13 19:41	130620B02

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0050	1	
Toluene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1	
p/m-Xylene	ND	0.010	1	
o-Xylene	ND	0.0050	1	
Xylenes (total)	ND	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	51-129	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4-MW6Ka	13-06-1037-5-A	06/11/13 13:50	Soil	GC 8	06/20/13	06/21/13 16:20	130621B01

Parameter	Result	RL	DF	Qualifiers
Benzene	0.010	0.0050	1	
Toluene	ND	0.0050	1	
Ethylbenzene	0.22	0.0050	1	
p/m-Xylene	0.13	0.010	1	
o-Xylene	0.062	0.0050	1	
Xylenes (total)	0.19	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	111	51-129	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW6Kb	13-06-1037-6-A	06/11/13 14:20	Soil	GC 8	06/20/13	06/21/13 13:30	130621B01

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0050	1	
Toluene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1	
p/m-Xylene	ND	0.010	1	
o-Xylene	ND	0.0050	1	
Xylenes (total)	ND	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	111	51-129	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8021B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-7-MW6Ka	13-06-1037-7-A	06/11/13 15:00	Soil	GC 8	06/20/13	06/21/13 14:37	130621B01

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0050	1	
Toluene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1	
p/m-Xylene	ND	0.010	1	
o-Xylene	ND	0.0050	1	
Xylenes (total)	ND	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	110	51-129	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-15-MW6Lb	13-06-1037-8-A	06/12/13 10:00	Soil	GC 21	06/20/13	06/20/13 22:57	130620B02

Parameter	Result	RL	DF	Qualifiers
Benzene	0.17	0.0050	1	
Toluene	0.29	0.0050	1	
Ethylbenzene	0.18	0.0050	1	
p/m-Xylene	0.37	0.010	1	
o-Xylene	0.18	0.0050	1	
Xylenes (total)	0.55	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	113	51-129	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19.5-MW6Lb	13-06-1037-9-A	06/12/13 10:30	Soil	GC 8	06/20/13	06/21/13 14:04	130621B01

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0050	1	
Toluene	0.0087	0.0050	1	
Ethylbenzene	0.011	0.0050	1	
p/m-Xylene	0.031	0.010	1	
o-Xylene	0.012	0.0050	1	
Xylenes (total)	0.044	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	108	51-129	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8021B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9-MW6La	13-06-1037-10-A	06/12/13 15:00	Soil	GC 21	06/20/13	06/21/13 00:02	130620B02

Parameter	Result	RL	DF	Qualifiers
Benzene	0.065	0.0050	1	
Toluene	ND	0.0050	1	
Ethylbenzene	0.015	0.0050	1	
p/m-Xylene	0.020	0.010	1	
o-Xylene	ND	0.0050	1	
Xylenes (total)	0.020	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	51-129	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-11-MW6La	13-06-1037-11-A	06/12/13 15:45	Soil	GC 21	06/20/13	06/21/13 00:35	130620B02

Parameter	Result	RL	DF	Qualifiers
Benzene	0.32	0.0050	1	
Toluene	0.093	0.0050	1	
Ethylbenzene	0.087	0.0050	1	
p/m-Xylene	0.17	0.010	1	
o-Xylene	0.054	0.0050	1	
Xylenes (total)	0.23	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	51-129	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-15-MW6Kb	13-06-1037-12-A	06/13/13 09:30	Soil	GC 8	06/20/13	06/21/13 16:53	130621B02

Parameter	Result	RL	DF	Qualifiers
Benzene	6.9	0.50	100	
Toluene	23	0.50	100	
Ethylbenzene	49	0.50	100	
p/m-Xylene	170	1.0	100	
o-Xylene	60	0.50	100	
Xylenes (total)	230	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	119	51-129	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8021B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19.5-MW6Kb	13-06-1037-13-A	06/13/13 09:55	Soil	GC 21	06/24/13	06/24/13 13:08	130624B01

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0050	1	
Toluene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1	
p/m-Xylene	ND	0.010	1	
o-Xylene	ND	0.0050	1	
Xylenes (total)	ND	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	51-129	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9-MW6Ka	13-06-1037-14-A	06/13/13 10:30	Soil	GC 21	06/20/13	06/21/13 04:24	130620B02

Parameter	Result	RL	DF	Qualifiers
Benzene	0.055	0.0050	1	
Toluene	0.038	0.0050	1	
Ethylbenzene	0.034	0.0050	1	
p/m-Xylene	0.075	0.010	1	
o-Xylene	0.030	0.0050	1	
Xylenes (total)	0.10	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	51-129	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-657-1048	N/A	Soil	GC 21	06/20/13	06/20/13 18:35	130620B02

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0050	1	
Toluene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1	
p/m-Xylene	ND	0.010	1	
o-Xylene	ND	0.0050	1	
Xylenes (total)	ND	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	51-129	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8021B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-657-1045	N/A	Soil	GC 8	06/21/13	06/21/13 10:43	130621B01

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0050	1	
Toluene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1	
p/m-Xylene	ND	0.010	1	
o-Xylene	ND	0.0050	1	
Xylenes (total)	ND	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	112	51-129	

Method Blank	099-12-657-1047	N/A	Soil	GC 8	06/21/13	06/21/13 12:57	130621B02

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.040	8	
Toluene	ND	0.040	8	
Ethylbenzene	ND	0.040	8	
p/m-Xylene	ND	0.080	8	
o-Xylene	ND	0.040	8	
Xylenes (total)	ND	0.040	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	109	51-129	

Method Blank	099-12-657-1049	N/A	Soil	GC 21	06/24/13	06/24/13 11:54	130624B01

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0050	1	
Toluene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1	
p/m-Xylene	ND	0.010	1	
o-Xylene	ND	0.0050	1	
Xylenes (total)	ND	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	81	51-129	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2-MW6Lb	13-06-1037-1-A	06/11/13 10:43	Soil	GC/MS CCC	06/18/13	06/27/13 12:17	130618L03

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1	
Acenaphthylene	ND	0.50	1	
Anthracene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1	
Benzo (k) Fluoranthene	ND	0.50	1	
Chrysene	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1	
Fluoranthene	ND	0.50	1	
Fluorene	ND	0.50	1	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
2-Methylnaphthalene	ND	0.50	1	
1-Methylnaphthalene	ND	0.50	1	
Naphthalene	ND	0.50	1	
Phenanthrene	ND	0.50	1	
Pyrene	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	51	38-134	
2-Fluorophenol	77	42-120	
Nitrobenzene-d5	65	42-150	
p-Terphenyl-d14	94	35-167	
Phenol-d6	78	46-118	
2,4,6-Tribromophenol	93	36-132	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4-MW6La	13-06-1037-2-A	06/11/13 09:56	Soil	GC/MS CCC	06/18/13	06/25/13 13:21	130618L03

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1	
Acenaphthylene	ND	0.50	1	
Anthracene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1	
Benzo (k) Fluoranthene	ND	0.50	1	
Chrysene	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1	
Fluoranthene	ND	0.50	1	
Fluorene	ND	0.50	1	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
2-Methylnaphthalene	ND	0.50	1	
1-Methylnaphthalene	ND	0.50	1	
Naphthalene	ND	0.50	1	
Phenanthrene	ND	0.50	1	
Pyrene	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	50	38-134	
2-Fluorophenol	75	42-120	
Nitrobenzene-d5	63	42-150	
p-Terphenyl-d14	81	35-167	
Phenol-d6	77	46-118	
2,4,6-Tribromophenol	80	36-132	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW6Lb	13-06-1037-3-A	06/11/13 11:06	Soil	GC/MS CCC	06/18/13	06/25/13 16:20	130618L03

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1	
Acenaphthylene	ND	0.50	1	
Anthracene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1	
Benzo (k) Fluoranthene	ND	0.50	1	
Chrysene	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1	
Fluoranthene	ND	0.50	1	
Fluorene	ND	0.50	1	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
2-Methylnaphthalene	ND	0.50	1	
1-Methylnaphthalene	ND	0.50	1	
Naphthalene	ND	0.50	1	
Phenanthrene	ND	0.50	1	
Pyrene	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	75	38-134	
2-Fluorophenol	73	42-120	
Nitrobenzene-d5	71	42-150	
p-Terphenyl-d14	85	35-167	
Phenol-d6	74	46-118	
2,4,6-Tribromophenol	78	36-132	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2-MW6Kb	13-06-1037-4-A	06/11/13 14:10	Soil	GC/MS CCC	06/18/13	06/19/13 14:21	130618L03

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1	
Acenaphthylene	ND	0.50	1	
Anthracene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1	
Benzo (k) Fluoranthene	ND	0.50	1	
Chrysene	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1	
Fluoranthene	ND	0.50	1	
Fluorene	ND	0.50	1	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
2-Methylnaphthalene	ND	0.50	1	
1-Methylnaphthalene	ND	0.50	1	
Naphthalene	ND	0.50	1	
Phenanthrene	ND	0.50	1	
Pyrene	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	41	38-134	
2-Fluorophenol	50	42-120	
Nitrobenzene-d5	45	42-150	
p-Terphenyl-d14	58	35-167	
Phenol-d6	49	46-118	
2,4,6-Tribromophenol	50	36-132	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4-MW6Ka	13-06-1037-5-A	06/11/13 13:50	Soil	GC/MS CCC	06/18/13	06/25/13 16:46	130618L03

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1	
Acenaphthylene	ND	0.50	1	
Anthracene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1	
Benzo (k) Fluoranthene	ND	0.50	1	
Chrysene	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1	
Fluoranthene	ND	0.50	1	
Fluorene	ND	0.50	1	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
2-Methylnaphthalene	0.55	0.50	1	
1-Methylnaphthalene	ND	0.50	1	
Naphthalene	0.69	0.50	1	
Phenanthrene	ND	0.50	1	
Pyrene	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	54	38-134	
2-Fluorophenol	76	42-120	
Nitrobenzene-d5	62	42-150	
p-Terphenyl-d14	90	35-167	
Phenol-d6	78	46-118	
2,4,6-Tribromophenol	95	36-132	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9-MW6La	13-06-1037-10-A	06/12/13 15:00	Soil	GC/MS CCC	06/18/13	06/25/13 17:11	130618L03

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1	
Acenaphthylene	ND	0.50	1	
Anthracene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1	
Benzo (k) Fluoranthene	ND	0.50	1	
Chrysene	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1	
Fluoranthene	ND	0.50	1	
Fluorene	ND	0.50	1	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
2-Methylnaphthalene	ND	0.50	1	
1-Methylnaphthalene	ND	0.50	1	
Naphthalene	ND	0.50	1	
Phenanthrene	ND	0.50	1	
Pyrene	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	62	38-134	
2-Fluorophenol	62	42-120	
Nitrobenzene-d5	59	42-150	
p-Terphenyl-d14	73	35-167	
Phenol-d6	62	46-118	
2,4,6-Tribromophenol	70	36-132	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW6Kb	13-06-1037-6-A	06/11/13 14:20	Soil	GC/MS CCC	06/18/13	06/19/13 14:47	130618L03

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1	
Acenaphthylene	ND	0.50	1	
Anthracene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1	
Benzo (k) Fluoranthene	ND	0.50	1	
Chrysene	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1	
Fluoranthene	ND	0.50	1	
Fluorene	ND	0.50	1	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
2-Methylnaphthalene	ND	0.50	1	
1-Methylnaphthalene	ND	0.50	1	
Naphthalene	ND	0.50	1	
Phenanthrene	ND	0.50	1	
Pyrene	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	61	38-134	
2-Fluorophenol	69	42-120	
Nitrobenzene-d5	62	42-150	
p-Terphenyl-d14	77	35-167	
Phenol-d6	69	46-118	
2,4,6-Tribromophenol	72	36-132	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-7-MW6Ka	13-06-1037-7-A	06/11/13 15:00	Soil	GC/MS CCC	06/18/13	06/19/13 15:14	130618L03

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1	
Acenaphthylene	ND	0.50	1	
Anthracene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1	
Benzo (k) Fluoranthene	ND	0.50	1	
Chrysene	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1	
Fluoranthene	ND	0.50	1	
Fluorene	ND	0.50	1	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
2-Methylnaphthalene	ND	0.50	1	
1-Methylnaphthalene	ND	0.50	1	
Naphthalene	ND	0.50	1	
Phenanthrene	ND	0.50	1	
Pyrene	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	54	38-134	
2-Fluorophenol	71	42-120	
Nitrobenzene-d5	61	42-150	
p-Terphenyl-d14	78	35-167	
Phenol-d6	72	46-118	
2,4,6-Tribromophenol	73	36-132	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9-MW6Ka	13-06-1037-14-A	06/13/13 10:30	Soil	GC/MS CCC	06/18/13	06/25/13 18:02	130618L03

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1	
Acenaphthylene	ND	0.50	1	
Anthracene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1	
Benzo (k) Fluoranthene	ND	0.50	1	
Chrysene	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1	
Fluoranthene	ND	0.50	1	
Fluorene	ND	0.50	1	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
2-Methylnaphthalene	ND	0.50	1	
1-Methylnaphthalene	ND	0.50	1	
Naphthalene	ND	0.50	1	
Phenanthrene	ND	0.50	1	
Pyrene	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	44	38-134	
2-Fluorophenol	66	42-120	
Nitrobenzene-d5	58	42-150	
p-Terphenyl-d14	92	35-167	
Phenol-d6	69	46-118	
2,4,6-Tribromophenol	82	36-132	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-549-2499	N/A	Soil	GC/MS CCC	06/18/13	06/18/13 16:40	130618L03

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1	
Acenaphthylene	ND	0.50	1	
Anthracene	ND	0.50	1	
Benzo (a) Anthracene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1	
Benzo (k) Fluoranthene	ND	0.50	1	
Chrysene	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1	
Fluoranthene	ND	0.50	1	
Fluorene	ND	0.50	1	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
2-Methylnaphthalene	ND	0.50	1	
1-Methylnaphthalene	ND	0.50	1	
Naphthalene	ND	0.50	1	
Phenanthrene	ND	0.50	1	
Pyrene	ND	0.50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	86	38-134	
2-Fluorophenol	84	42-120	
Nitrobenzene-d5	83	42-150	
p-Terphenyl-d14	98	35-167	
Phenol-d6	87	46-118	
2,4,6-Tribromophenol	78	36-132	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2-MW6Lb	13-06-1037-1-A	06/11/13 10:43	Soil	GC/MS T	06/17/13	06/18/13 00:00	130617L02

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	0.074	0.050	1	
Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Ethanol	ND	0.25	1	
1,2-Dibromoethane	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1	
Naphthalene	ND	0.050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	60-132	
Dibromofluoromethane	91	63-141	
1,2-Dichloroethane-d4	97	62-146	
Toluene-d8	97	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4-MW6La	13-06-1037-2-A	06/11/13 09:56	Soil	GC/MS T	06/17/13	06/17/13 22:10	130617L02

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Ethanol	ND	0.25	1	
1,2-Dibromoethane	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1	
Naphthalene	ND	0.050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	60-132	
Dibromofluoromethane	98	63-141	
1,2-Dichloroethane-d4	98	62-146	
Toluene-d8	97	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW6Lb	13-06-1037-3-A	06/11/13 11:06	Soil	GC/MS T	06/17/13	06/18/13 00:27	130617L02

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Ethanol	ND	0.25	1	
1,2-Dibromoethane	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1	
Naphthalene	ND	0.050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	60-132	
Dibromofluoromethane	102	63-141	
1,2-Dichloroethane-d4	113	62-146	
Toluene-d8	93	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2-MW6Kb	13-06-1037-4-A	06/11/13 14:10	Soil	GC/MS T	06/17/13	06/18/13 00:55	130617L02

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Ethanol	ND	0.25	1	
1,2-Dibromoethane	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1	
Naphthalene	ND	0.050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	60-132	
Dibromofluoromethane	98	63-141	
1,2-Dichloroethane-d4	113	62-146	
Toluene-d8	96	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4-MW6Ka	13-06-1037-5-A	06/11/13 13:50	Soil	GC/MS T	06/17/13	06/18/13 01:23	130617L02

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Ethanol	ND	0.25	1	
1,2-Dibromoethane	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	60-132	
Dibromofluoromethane	106	63-141	
1,2-Dichloroethane-d4	119	62-146	
Toluene-d8	99	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4-MW6Ka	13-06-1037-5-A	06/11/13 13:50	Soil	GC/MS T	06/17/13	06/18/13 16:29	130618L02

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	5.0	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	60-132	
Dibromofluoromethane	97	63-141	
1,2-Dichloroethane-d4	85	62-146	
Toluene-d8	110	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW6Kb	13-06-1037-6-A	06/11/13 14:20	Soil	GC/MS T	06/17/13	06/18/13 01:51	130617L02

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Ethanol	ND	0.25	1	
1,2-Dibromoethane	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1	
Naphthalene	ND	0.050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	60-132	
Dibromofluoromethane	95	63-141	
1,2-Dichloroethane-d4	108	62-146	
Toluene-d8	94	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-7-MW6Ka	13-06-1037-7-A	06/11/13 15:00	Soil	GC/MS T	06/17/13	06/18/13 02:19	130617L02

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Ethanol	ND	0.25	1	
1,2-Dibromoethane	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1	
Naphthalene	ND	0.050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	60-132	
Dibromofluoromethane	100	63-141	
1,2-Dichloroethane-d4	89	62-146	
Toluene-d8	95	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9-MW6La	13-06-1037-10-A	06/12/13 15:00	Soil	GC/MS T	06/17/13	06/18/13 03:42	130617L02

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Ethanol	ND	0.25	1	
1,2-Dibromoethane	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1	
Naphthalene	ND	0.050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	60-132	
Dibromofluoromethane	100	63-141	
1,2-Dichloroethane-d4	90	62-146	
Toluene-d8	92	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9-MW6Ka	13-06-1037-14-A	06/13/13 10:30	Soil	GC/MS T	06/17/13	06/18/13 05:05	130617L02

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Ethanol	ND	0.25	1	
1,2-Dibromoethane	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1	
Naphthalene	0.18	0.050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	60-132	
Dibromofluoromethane	108	63-141	
1,2-Dichloroethane-d4	95	62-146	
Toluene-d8	96	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-1509**	**N/A**	**Soil**	**GC/MS T**	**06/17/13**	**06/17/13 21:15**	**130617L02**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Ethanol	ND	0.25	1	
1,2-Dibromoethane	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1	
Naphthalene	ND	0.050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	60-132	
Dibromofluoromethane	108	63-141	
1,2-Dichloroethane-d4	114	62-146	
Toluene-d8	96	80-120	

Method Blank	099-12-882-1510	N/A	Soil	GC/MS T	06/18/13	06/18/13 14:09	130618L02

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	5.0	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	60-132	
Dibromofluoromethane	100	63-141	
1,2-Dichloroethane-d4	86	62-146	
Toluene-d8	97	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-15-MW6Lb	13-06-1037-8-A	06/12/13 10:00	Soil	GC/MS T	06/17/13	06/18/13 02:47	130617L02

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Ethanol	ND	0.25	1	
1,2-Dibromoethane	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	105	60-132	
Dibromofluoromethane	106	63-141	
1,2-Dichloroethane-d4	93	62-146	
Toluene-d8	100	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19.5-MW6Lb	13-06-1037-9-A	06/12/13 10:30	Soil	GC/MS T	06/17/13	06/18/13 03:14	130617L02

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Ethanol	ND	0.25	1	
1,2-Dibromoethane	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	60-132	
Dibromofluoromethane	102	63-141	
1,2-Dichloroethane-d4	94	62-146	
Toluene-d8	95	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-11-MW6La	13-06-1037-11-A	06/12/13 15:45	Soil	GC/MS T	06/17/13	06/18/13 04:10	130617L02

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	0.012	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Ethanol	ND	0.25	1	
1,2-Dibromoethane	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	60-132	
Dibromofluoromethane	99	63-141	
1,2-Dichloroethane-d4	95	62-146	
Toluene-d8	96	80-120	

S-15-MW6Kb	13-06-1037-12-A	06/13/13 09:30	Soil	GC/MS T	06/17/13	06/18/13 15:05	130618L02

Comment(s): - The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	2.5	500	
Tert-Butyl Alcohol (TBA)	ND	25	500	
Diisopropyl Ether (DIPE)	ND	5.0	500	
Ethyl-t-Butyl Ether (ETBE)	ND	5.0	500	
Tert-Amyl-Methyl Ether (TAME)	ND	5.0	500	
Ethanol	ND	120	500	
1,2-Dibromoethane	ND	2.5	500	
1,2-Dichloroethane	ND	2.5	500	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	60-132	
Dibromofluoromethane	107	63-141	
1,2-Dichloroethane-d4	89	62-146	
Toluene-d8	115	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19.5-MW6Kb	13-06-1037-13-A	06/13/13 09:55	Soil	GC/MS T	06/17/13	06/18/13 04:37	130617L02

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Ethanol	ND	0.25	1	
1,2-Dibromoethane	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	60-132	
Dibromofluoromethane	100	63-141	
1,2-Dichloroethane-d4	91	62-146	
Toluene-d8	93	80-120	

Method Blank	099-12-882-1509	N/A	Soil	GC/MS T	06/17/13	06/17/13 21:15	130617L02

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Ethanol	ND	0.25	1	
1,2-Dibromoethane	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	60-132	
Dibromofluoromethane	108	63-141	
1,2-Dichloroethane-d4	114	62-146	
Toluene-d8	96	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1037
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	mg/kg
Project: ExxonMobil 70235/022229C			Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-1510**	**N/A**	**Soil**	**GC/MS T**	**06/18/13**	**06/18/13 14:09**	**130618L02**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	100	
Diisopropyl Ether (DIPE)	ND	1.0	100	
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Ethanol	ND	25	100	
1,2-Dibromoethane	ND	0.50	100	
1,2-Dichloroethane	ND	0.50	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	60-132	
Dibromofluoromethane	100	63-141	
1,2-Dichloroethane-d4	86	62-146	
Toluene-d8	97	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1037
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 1 of 9

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-4-MW6La	Soil	GC 45	06/18/13	06/19/13 08:11	130618S07

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	428.6	107	424.5	106	64-130	1	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1037
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 2 of 9

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-4-MW6La	Soil	GC 4	06/17/13	06/17/13 18:08	130617S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	10.00	9.789	98	9.729	97	48-114	1	0-23	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1037
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 3 of 9

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-06-1105-1	Soil	GC 4	06/18/13	06/18/13 20:01	130618S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	10.00	5.702	57	5.376	54	48-114	6	0-23	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1037
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8021B
Project: ExxonMobil 70235/022229C			Page 4 of 9

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-2-MW6Kb	Soil	GC 21	06/20/13	06/21/13 01:07	130620S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	0.5000	0.5420	108	0.4396	88	58-118	21	0-24	
Toluene	ND	0.5000	0.5123	102	0.4149	83	61-109	21	0-20	BA
Ethylbenzene	ND	0.5000	0.5036	101	0.4034	81	59-113	22	0-20	BA
p/m-Xylene	ND	1.000	0.9871	99	0.7891	79	55-115	22	0-20	BA
o-Xylene	ND	0.5000	0.4973	99	0.3992	80	56-110	22	0-20	BA

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1037
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8021B
Project: ExxonMobil 70235/022229C			Page 5 of 9

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-5-MW6Kb	Soil	GC 8	06/20/13	06/21/13 15:13	130621S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	0.5000	0.5100	102	0.5694	114	58-118	11	0-24	
Toluene	ND	0.5000	0.5255	105	0.4998	100	61-109	5	0-20	
Ethylbenzene	ND	0.5000	0.5221	104	0.5263	105	59-113	1	0-20	
p/m-Xylene	ND	1.000	1.030	103	1.038	104	55-115	1	0-20	
o-Xylene	ND	0.5000	0.5140	103	0.5217	104	56-110	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: ExxonMobil 70235/022229C

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8021B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-4-MW6La	Soil	GC 21	06/24/13	06/24/13 16:56	130624S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	0.5000	0.5279	106	0.5374	107	58-118	2	0-24	
Toluene	ND	0.5000	0.5048	101	0.5135	103	61-109	2	0-20	
Ethylbenzene	ND	0.5000	0.4963	99	0.5062	101	59-113	2	0-20	
p/m-Xylene	ND	1.000	0.9901	99	1.011	101	55-115	2	0-20	
o-Xylene	ND	0.5000	0.4924	98	0.5024	100	56-110	2	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1037
Petaluma, CA 94954-2312		Preparation:	EPA 3545
		Method:	EPA 8270C
Project: ExxonMobil 70235/022229C			Page 7 of 9

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-06-1124-5	Soil	GC/MS CCC	06/18/13	06/18/13 15:21	130618S03

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acenaphthene	ND	10.00	7.844	78	8.460	85	49-133	8	0-18	
Acenaphthylene	ND	10.00	7.886	79	8.609	86	50-150	9	0-20	
Fluorene	ND	10.00	8.134	81	8.862	89	50-150	9	0-20	
Naphthalene	22.54	10.00	28.31	58	30.56	80	50-150	8	0-20	
Pyrene	ND	10.00	8.543	85	9.200	92	47-149	7	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1037
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 70235/022229C			Page 8 of 9

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-4-MW6La	Soil	GC/MS T	06/17/13	06/17/13 22:38	130617S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.05000	0.04707	94	0.04892	98	57-123	4	0-21	
Tert-Butyl Alcohol (TBA)	ND	0.2500	0.2830	113	0.2895	116	30-168	2	0-34	
Diisopropyl Ether (DIPE)	ND	0.05000	0.04676	94	0.04781	96	57-129	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	0.05000	0.04601	92	0.04719	94	55-127	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	0.05000	0.04260	85	0.04371	87	58-124	3	0-20	
Ethanol	ND	0.5000	0.5590	112	0.5752	115	17-167	3	0-47	
1,2-Dibromoethane	ND	0.05000	0.04169	83	0.04154	83	64-124	0	0-20	
1,2-Dichloroethane	ND	0.05000	0.04391	88	0.04627	93	80-120	5	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: ExxonMobil 70235/022229C

Date Received: 06/15/13
Work Order: 13-06-1037
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-06-1105-1	Soil	GC/MS T	06/18/13	06/18/13 15:33	130618S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.05000	0.04687	94	0.04673	93	57-123	0	0-21	
Tert-Butyl Alcohol (TBA)	ND	0.2500	0.2501	100	0.2473	99	30-168	1	0-34	
Diisopropyl Ether (DIPE)	ND	0.05000	0.04462	89	0.04442	89	57-129	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	0.05000	0.04764	95	0.04825	96	55-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	0.05000	0.04133	83	0.04547	91	58-124	10	0-20	
Ethanol	ND	0.5000	0.4891	98	0.5091	102	17-167	4	0-47	
1,2-Dibromoethane	ND	0.05000	0.03847	77	0.03954	79	64-124	3	0-20	
1,2-Dichloroethane	ND	0.05000	0.04028	81	0.04436	89	80-120	10	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1037
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 1 of 10

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-15-422-549	Soil	GC 45	06/19/13 07:53	130618B07

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	379.7	95	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1037
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 2 of 10

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-14-571-995	Soil	GC 4	06/17/13 14:15	130617B01

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	10.00	9.575	96	70-124	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI	Date Received:	06/15/13
601 North McDowell Blvd.	Work Order:	13-06-1037
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C		Page 3 of 10

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-14-571-1000	Soil	GC 4	06/18/13 18:22	130618B03

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	10.00	9.800	98	70-124	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1037
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8021B
Project: ExxonMobil 70235/022229C			Page 4 of 10

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-657-1048	Soil	GC 21	06/20/13 16:57	130620B02

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Benzene	0.5000	0.5216	104	70-118	
Toluene	0.5000	0.5002	100	71-107	
Ethylbenzene	0.5000	0.4916	98	66-120	
p/m-Xylene	1.000	0.9826	98	66-120	
o-Xylene	0.5000	0.4822	96	66-114	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI	Date Received:	06/15/13
601 North McDowell Blvd.	Work Order:	13-06-1037
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8021B
Project: ExxonMobil 70235/022229C		Page 5 of 10

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-657-1045	Soil	GC 8	06/21/13 11:16	130621B01

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Benzene	0.5000	0.5466	109	70-118	
Toluene	0.5000	0.4767	95	71-107	
Ethylbenzene	0.5000	0.4940	99	66-120	
p/m-Xylene	1.000	0.9759	98	66-120	
o-Xylene	0.5000	0.4863	97	66-114	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI	Date Received:	06/15/13
601 North McDowell Blvd.	Work Order:	13-06-1037
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8021B
Project: ExxonMobil 70235/022229C		Page 6 of 10

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-657-1047	Soil	GC 8	06/21/13 11:16	130621B02

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Benzene	0.5000	0.5466	109	70-118	
Toluene	0.5000	0.4767	95	71-107	
Ethylbenzene	0.5000	0.4940	99	66-120	
p/m-Xylene	1.000	0.9759	98	66-120	
o-Xylene	0.5000	0.4863	97	66-114	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI	Date Received:	06/15/13
601 North McDowell Blvd.	Work Order:	13-06-1037
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8021B
Project: ExxonMobil 70235/022229C		Page 7 of 10

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-657-1049	Soil	GC 21	06/24/13 10:49	130624B01

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Benzene	0.5000	0.4817	96	70-118	
Toluene	0.5000	0.4608	92	71-107	
Ethylbenzene	0.5000	0.4526	91	66-120	
p/m-Xylene	1.000	0.9042	90	66-120	
o-Xylene	0.5000	0.4480	90	66-114	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI	Date Received:	06/15/13
601 North McDowell Blvd.	Work Order:	13-06-1037
Petaluma, CA 94954-2312	Preparation:	EPA 3545
	Method:	EPA 8270C
Project: ExxonMobil 70235/022229C		Page 8 of 10

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-549-2499	Soil	GC/MS CCC	06/18/13 16:13	130618L03

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Acenaphthene	10.00	8.502	85	59-125	
Acenaphthylene	10.00	8.225	82	33-145	
Fluorene	10.00	8.802	88	59-121	
Naphthalene	10.00	8.660	87	21-133	
Pyrene	10.00	9.197	92	51-141	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI	Date Received:	06/15/13
601 North McDowell Blvd.	Work Order:	13-06-1037
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
Project: ExxonMobil 70235/022229C		Page 9 of 10

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-882-1509	Soil	GC/MS T	06/17/13 20:20	130617L02

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	0.05000	0.05048	101	77-120	
Tert-Butyl Alcohol (TBA)	0.2500	0.2510	100	68-122	
Diisopropyl Ether (DIPE)	0.05000	0.04922	98	78-120	
Ethyl-t-Butyl Ether (ETBE)	0.05000	0.04986	100	78-120	
Tert-Amyl-Methyl Ether (TAME)	0.05000	0.03873	77	75-120	
Ethanol	0.5000	0.4756	95	56-140	
1,2-Dibromoethane	0.05000	0.04775	95	80-120	
1,2-Dichloroethane	0.05000	0.04322	86	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI		Date Received:	06/15/13
601 North McDowell Blvd.		Work Order:	13-06-1037
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 70235/022229C			Page 10 of 10

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-882-1510	Soil	GC/MS T	06/18/13 12:47	130618L02

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	0.05000	0.04679	94	77-120	
Tert-Butyl Alcohol (TBA)	0.2500	0.2289	92	68-122	
Diisopropyl Ether (DIPE)	0.05000	0.04476	90	78-120	
Ethyl-t-Butyl Ether (ETBE)	0.05000	0.04645	93	78-120	
Tert-Amyl-Methyl Ether (TAME)	0.05000	0.04390	88	75-120	
Ethanol	0.5000	0.4389	88	56-140	
1,2-Dibromoethane	0.05000	0.04271	85	80-120	
1,2-Dichloroethane	0.05000	0.04559	91	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-06-1037

Qualifiers	Definition
AZ	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BA	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
BB	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
BU	Sample analyzed after holding time expired.
DF	Reporting limits elevated due to matrix interferences.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
GE	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
HD	Chromat. profile inconsistent with pattern(s) of ref. fuel stnds.
HO	High concentration matrix spike recovery out of limits
HT	Analytical value calculated using results from associated tests.
HX	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
IL	Relative percent difference out of control.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
LD	Analyte presence was not confirmed by second column or GC/MS analysis.
LP	The LCS and/or LCSD recoveries for this analyte were above the upper control limit. The associated sample was non-detected. Therefore, the sample data was reported without further clarification.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.
ND	Parameter not detected at the indicated reporting limit.
QO	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
RU	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
SG	A silica gel cleanup procedure was performed.
SN	See applicable analysis comment.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

For any analysis identified as a "field" test with a holding time (HT) </= 15 minutes where the sample is received outside of HT, Calscience will adhere to its internal HT of 24 hours. In cases where sample analysis does not meet Calscience's internal HT, results will be appropriately qualified.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Sandy Tat

From: Rebekah Westrup [rebekah.westrup@cardno.com]
Sent: Wednesday, June 26, 2013 12:51 PM
To: Sandy Tat
Subject: FW: Can we add Ethanol

FYI

Rebekah A. Westrup
SR STAFF GEOLOGIST
CARDNO ERI

Phone (+1) 707-766-2000 Fax (+1) 707-789-0414 Mobile (+1) 707-338-8555
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email rebekah.westrup@cardno.com Web www.cardno.com www.cardnoeri.com

From: Rebekah Westrup
Sent: Wednesday, June 26, 2013 12:49 PM
To: Cecile de Guia
Subject: FW: Can we add Ethanol

That is for all soil and groundwater samples submitted between June 11th and now.

Rebekah A. Westrup
SR STAFF GEOLOGIST
CARDNO ERI

Phone (+1) 707-766-2000 Fax (+1) 707-789-0414 Mobile (+1) 707-338-8555
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email rebekah.westrup@cardno.com Web www.cardno.com www.cardnoeri.com

From: Rebekah Westrup
Sent: Wednesday, June 26, 2013 12:47 PM
To: Cecile de Guia
Subject: Can we add Ethanol

Cecile:

We forgot to request Ethanol for the 2229 samples Former Exxon 70235? Can we add those results as we did run the oxys at 8260?

Rebekah A. Westrup
SR STAFF GEOLOGIST
CARDNO ERI

Cardno ERI
Shaping the Future

Phone (+1) 707-766-2000 Fax (+1) 707-789-0414 Mobile (+1) 707-338-8555
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email rebekah.westrup@cardno.com Web www.cardno.com www.cardnoeri.com

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Cecile de Guia

From: Rebekah Westrup [rebekah.westrup@cardno.com]
Sent: Thursday, June 27, 2013 10:04 PM
To: Cecile de Guia
Subject: RE: ExxonMobil 70235; 13-06-1037
Attachments: 13-06-1037.pdf

Here you go

Rebekah A. Westrup
SR STAFF GEOLOGIST
CARDNO ERI

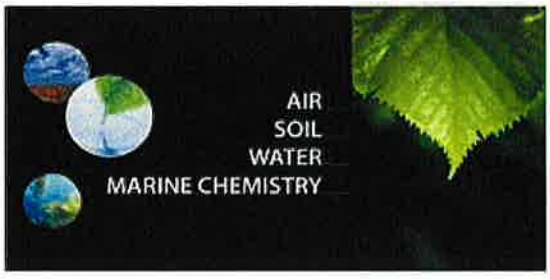
Phone (+1) 707-766-2000 Fax (+1) 707-789-0414 Mobile (+1) 707-338-8555
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email rebekah.westrup@cardno.com Web www.cardno.com www.cardnoeri.com

From: Cecile de Guia [mailto:cdeguia@calscience.com]
Sent: Thursday, June 27, 2013 5:06 PM
To: Rebekah Westrup
Cc: Sandy Tat
Subject: ExxonMobil 70235; 13-06-1037

Please fix the method number for PAHs request. Should it be EPA 8270C? Please fix the attached COC.
Thank you.

Best regards,
Cecile de Guia
Project Manager

Calscience
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494
www.calscience.com



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Calscience Environmental Laboratories, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil
13-06-1037 1/2

Consultant Name: Cardno ERI
Consultant Address: 601 N. McDowell Boulevard
Consultant City/State/Zip: Petaluma, California, 94954
ExxonMobil Project Mgr: Jennifer Sedlachek
Consultant Project Mgr: Rebekah Westrup
Consultant Telephone Number: 707-766-2000 Fax No.: 707-789-0414
Sampler Name (Print): Rebekah A Westrup
Sampler Signature:

Account #: NA PO#: Direct Bill Cardno ERI
Invoice To: Direct Bill Cardno ERI
Report To: Rebekah Westrup
Project Name: 02 2229 CX
ExxonMobil Site #: 70235 Major Project (AFE #)
Site Address: 2225 Telegraph Avenue
Site City, State, Zip: Oakland, California
Oversight Agency: Alameda County Environmental Health Department

	Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For: TPHg 8015B	BTEX 8021B	OXYGENATES 8260B	TPHd 8015B	Naphthalene by 8260B	PAHs by 2780 8270			RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	S-2-MW6Lb	MW6Lb	6-11-13	1043	1	X										X							X			X	X	X	X	X	X					X	
2	S-4-MW6La	MW6La	"	956	1	X										X							X			"	"	"	"	"	"					X	
3	S-5-MW6Lb	MW6Lb	"	1106	1	X										X							X			↓	↓	↓	↓	↓	↓					X	
4	S-2-MW6Kb	MW6Kb	"	1410	1	X										X							X			X	X	X	X	X	X					X	
5	S-4-MW6Ka	MW6Ka	"	1350	1	X										X							X			"	"	"	"	"	"					X	
6	S-5-MW6Kb	MW6Kb	"	1420	1	X										X							X			"	"	"	"	"	"					X	
7	S-7-MW6Ka	MW6Ka	↓	1500	1	X										X							X			↓	↓	↓	↓	↓	↓					X	
8	S-15-MW6Lb	MW6Lb	6-12-13	10:00	1	X										X							X			X	X	X	X							X	
9	S-19.5-MW6Lb	MW6Lb	6-12-13	10:30	1	X										X							X			X	X	X	X							X	
10	S-9-MW6La	MW6La	"	1500	1	X										X							X			X	X	X	X	X	X					X	
11	S-11-MW6La	MW6La	↓	1545	1	X										X							X			X	X	X	X							X	

Comments/Special Instructions:
PLEASE E-MAIL ALL PDF FILES TO
norcallabs@eri-us.com; ERI-EIMLABS@eri-us.com
GLOBAL ID # T0600101354

Use silica gel cleanup on all TPHd analyses
7 CA Oxys= MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE.
Set TBA detection limit at or below 12 ug/L

Relinquished by:		Date	Time	Received by:	Date	Time
		6/14/13	1320		6/14/13	1320
Relinquished by:		Date	Time	Received by (Lab personnel):	Date	Time
	TOGO	6/14/13	1730		6/15/13	1030

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ TestAmerica Project Manager or attach specific instructions

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7440 Lincoln Way
Garden Grove, CA 92841

Phone: 714-895-5494
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ExxonMobil
13-06-1037 1/2

Consultant Name: Cardno ERI
Consultant Address: 601 N. McDowell Boulevard
Consultant City/State/Zip: Petaluma, California, 94954
ExxonMobil Project Mgr: Jennifer Sedlachek
Consultant Project Mgr: Rebekah Westrup
Consultant Telephone Number: 707-766-2000 **Fax No.:** 707-789-0414
Sampler Name (Print): Rebekah A Westrup
Sampler Signature:

Account #: NA **PO#:** Direct Bill Cardno ERI
Invoice To: Direct Bill Cardno ERI
Report To: Rebekah Westrup
Project Name: 02 2229 CX
ExxonMobil Site #: 70235 **Major Project (AFE #)**
Site Address: 2225 Telegraph Avenue
Site City, State, Zip: Oakland, California
Oversight Agency: Alameda County Environmental Health Department

	Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For: TPHg 8015B	BTEX 8021B	OXYGENATES 8260B	TPHd 8015B	Naphthalene by 8260B	PAHs by 2780			RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	S-2-MW6Lb	MW6Lb	6-11-13	1043	1	X										X							X			X	X	X	X	X	X				X	
2	S-4-MW6La	MW6La	"	956	1	X										X							X			"	"	"	"	"	"				X	
3	S-5-MW6Lb	MW6Lb		1106	1	X										X							X			↓	↓	↓	↓	↓	↓				X	
4	S-2-MW6Kb	MW6Kb		1410	1	X										X							X			X	X	X	X	X	X				X	
5	S-4-MW6Ka	MW6Ka		1350	1	X										X							X			"	"	"	"	"	"				X	
6	S-5-MW6Kb	MW6Kb		1420	1	X										X							X			"	"	"	"	"	"				X	
7	S-7-MW6Ka	MW6Ka	↓	1500	1	X										X							X			↓	↓	↓	↓	↓	↓				X	
8	S-15-MW6Lb	MW6Lb	6-12-13	10:00	1	X										X							X			X	X	X	X						X	
9	S-19.5-MW6Lb	MW6Lb	6-12-13	10:30	1	X										X							X			X	X	X	X						X	
10	S-9-MW6La	MW6La	↓	1500	1	X										X							X			X	X	X	X	X	X				X	
11	S-11-MW6La	MW6La	↓	1545	1	X										X							X			X	X	X	X						X	

Comments/Special Instructions:
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norcallabs@eri-us.com; ERI-EIMLABS@eri-us.com
GLOBAL ID # T0600101354

Use silica gel cleanup on all TPHd analyses
7 CA Oxys= MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE.
Set TBA detection limit at or below 12 ug/L

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ TestAmerica Project Manager or attach specific instructions

Relinquished by:	Date	Time	Received by:	Date	Time
	6/14/13	1320		6/14/13	1320
Relinquished by:	Date	Time	Received by (Lab personnel):	Date	Time
TOGO	6/14/13	1730		6/15/13	1030

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Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841
Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil

1037 3/2

Consultant Name: Cardno ERI | Account #: NA | PO#: Direct Bill Cardno ERI
Consultant Address: 601 N. McDowell Boulevard | Invoice To: Direct Bill Cardno ERI
Consultant City/State/Zip: Petaluma, California, 94954 | Report To: Rebekah Westrup
ExxonMobil Project Mgr: Jennifer Sedlachek | Project Name: 02 2229 CX
Consultant Project Mgr: Rebekah Westrup | ExxonMobil Site #: 70235 | Major Project (AFE #:
Consultant Telephone Number: 707-766-2000 | Fax No.: 707-789-0414 | Site Address: 2225 Telegraph Avenue
Sampler Name (Print): Rebekah A Westrup | Site City, State, Zip: Oakland, California
Sampler Signature: | Oversight Agency: Alameda County Environmental Health Department

	Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For: TPHg 8015B	BTEX 8021B	OXYGENATES 8260B	TPHd 8015B	Naphthalene by 8260B	PAHs by 2760			RUSH TAT (Pre-Schedule)	3-day TAT	Standard 10-day TAT	Due Date of Report
12	S-15 - MW6KD	MW6KD	6-13-13	930	1	X																	X			X	X	X	X						X	
13	S-19.5-MW6KD	MW6KD	"	955	1	X																				X	X	X	X						X	
14	S-9- MW6KA	MW6KA	↓	10:30	1	X																				X	X	X	X	X	X				X	
																																			X	
																																			X	
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																																			X	
																																			X	

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Set TBA detection limit at or below 12 ug/L

Relinquished by:		Date	Time	Received by:	Date	Time
		6/14/13	1320	Tom Malley CEL	6/14/13	1320
Relinquished by:		Date	Time	Received by (Lab personnel):	Date	Time
Tom Malley	TOGO	6/14/13	1730	CEL	6/15/13	1030

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ TestAmerica Project Manager or attach specific instructions

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1037

GSO

WebShip

800-322-5555 www.gso.com

Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
CARDNO ERI, TERRA PACIFIC GROUP

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 522054036

SDS

ORC

A

GARDEN GROVE

D92841A

13149654

Print Date : 06/14/13 16:37 PM

Package 1 of 1

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
STEP 2 - Fold this page in half.
STEP 3 - Securely attach this label to your package, do not cover the barcode.
STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section. Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-06-☑ ☑ 3 ☑

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Cardno ERI DATE: 06/15/13

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.9 °C - 0.2 °C (CF) = 2.7 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Initial: YC

CUSTODY SEALS INTACT:

☑ Cooler ☐ _____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Initial: YC

☐ Sample ☐ _____ ☐ No (Not Intact) ☑ Not Present Initial: YS

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (S) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** YS

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** YC

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** YC

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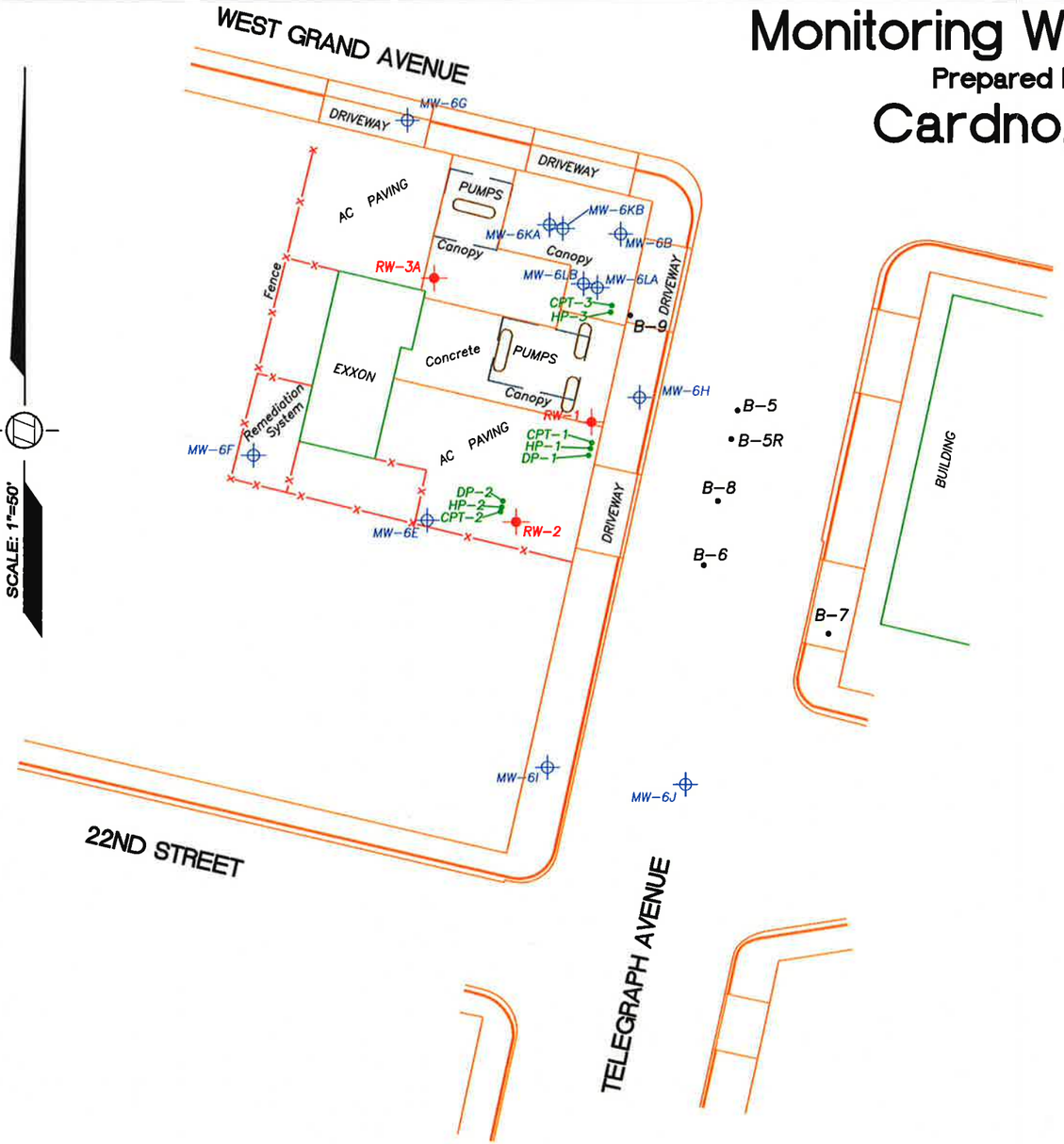
APPENDIX G

SURVEY DATA

Monitoring Well Exhibit

Prepared For:

Cardno, ERI



DESCRIPTION	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEV (PVC)	ELEV (BOX)	ELEV (GND)
MW-6B	2122869.1	6050603.2	37.8117490	-122.2692353	21.09	21.36	
MW-6E	2122768.7	6050535.7	37.8114699	-122.2694622	21.24	22.07	
MW-6F	2122791.5	6050475.0	37.8115294	-122.2696738	22.17	22.78	
MW-6G	2122908.8	6050528.8	37.8118543	-122.2694954	20.46	20.82	
MW-6H	2122811.8	6050609.8	37.8115921	-122.2692085	20.20	20.75	
MW-6I	2122681.8	6050577.6	37.8112335	-122.2693117	19.87	20.32	
MW-6J	2122675.9	6050625.7	37.8112198	-122.2691447	20.75	20.98	
MW-6KA	2122872.3	6050578.3	37.8117565	-122.2693217	21.04	21.44	
MW-6KB	2122870.9	6050582.9	37.8117530	-122.2693055	20.81	21.44	
MW-6LA	2122850.3	6050595.0	37.8116970	-122.2692624	21.18	21.44	
MW-6LB	2122851.6	6050590.2	37.8117004	-122.2692792	21.19	21.45	
RW-1	2122803.2	6050592.9	37.8115676	-122.2692665	20.43	21.17	
RW-2	2122768.1	6050566.7	37.8114700	-122.2693550	20.64	21.38	
RW-3A	2122853.7	6050538.2	37.8117034	-122.2694594	21.89	22.42	
B-5	2122807.2	6050644.4	37.8115813	-122.2690886			21.0
B-5R	2122797.1	6050642.2	37.8115535	-122.2690956			21.0
B-6	2122752.9	6050632.6	37.8114314	-122.2691260			20.9
B-7	2122728.8	6050676.1	37.8113675	-122.2689737			19.9
B-8	2122775.4	6050637.5	37.8114937	-122.2691105			20.9
B-9	2122840.6	6050606.6	37.8116710	-122.2692217			20.8
CPT-1	2122795.9	6050593.0	37.8115475	-122.2692656			21.0
CPT-2	2122771.7	6050561.3	37.8114796	-122.2693738			21.5
CPT-3	2122844.0	6050600.1	37.8116801	-122.2692442			21.3
DP-1	2122791.5	6050591.9	37.8115353	-122.2692692			21.0
DP-2	2122775.4	6050562.2	37.8114897	-122.2693711			21.5
HP-1	2122793.9	6050592.6	37.8115420	-122.2692672			21.0
HP-2	2122773.3	6050561.8	37.8114839	-122.2693724			21.5
HP-3	2122841.7	6050599.7	37.8116736	-122.2692456			21.4

*WELLS MW-6KA, MW-6KB, MW-6LA, MW-6LB SURVEYED ON 6-21-13.

BASIS OF COORDINATES AND ELEVATIONS:

COORDINATES ARE CALIFORNIA STATE PLANE ZONE 3 COORDINATES FROM GPS OBSERVATIONS USING UNIVERSITY OF CALIFORNIA BAY AREA DEFORMATION CORS STATION OBSERVATION FILES AND BASED ON THE CALIFORNIA SPATIAL REFERENCE CENTER DATUM, REFERENCE EPOCH 2000.35.
COORDINATE DATUM IS NAD 83(1986).
DATUM ELLIPSOID IS GRS80.
REFERENCE GEOID IS NGS99.
CORS STATIONS USED WERE TIBB AND BRIB.

ELEVATIONS BASED ON TOP OF BOX ELEVATION ON MW-6H FROM DATA PROVIDED BY ENVIRONMENTAL RESOLUTIONS. ELEV. = 20.75'

Former EXXON Station 7-0235
2225 Telegraph Avenue
Oakland
Alameda County
California

Morrow Surveying
LAND SURVEYORS

1255 Starboard Dr.
West Sacramento
California 95691
(916) 372-8124
paulg@morrowsurveying.com

Date: October, 2001
Scale: 1" = 40'
Sheet 1 of 1
Revised:11-3-08,7-2-13
Field Book: MW-31,44
Dwg. No. 1873-053 MAM

APPENDIX H

WASTE DISPOSAL DOCUMENTATION

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
/ /		198 733	ADV	41319	001

Generator and/or Consultant

Generator's Name and Billing Address:
EXXONMOBIL OIL CORP.
ATTN: EMES ADMINISTRATOR
2555 W. 190TH ST. #1106
TORRANCE, CA 90504

Generator's Phone #: 310-212-2938
Person to Contact:
FAX#:
Customer Account Number

Consultant's Name and Billing Address:

Consultant's Phone #:
Person to Contact:
FAX#:
Customer Account Number

Generation Site (Transport from): *(name & address)*
EXXON 70235 (FORMER)
2226 TELEGRAPH AVENUE
OAKLAND, CA 94612

Site Phone #:
Person to Contact:
FAX#:

Designated Facility (Transport to): *(name & address)*
SOIL SAFE
12328 HIBISCUS AVENUE
ADELANTO, CA 92301

Facility Phone #: (900) 862-8001
Person to Contact: DELLENA JEFFREY
FAX#: (760) 246-8004

Transporter Name and Mailing Address:
BELSHIRE
26971 TOWNE CENTRE DRIVE
FOOTHILL RANCH, CA 92610
BESI: 222472

Transporter's Phone #: 949-460-5200
CAR000183913
Person to Contact: LARRY MOOTHART
450647
FAX#: 949-460-5210
Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	6	Soil	39660	36200	3460
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					1.73

List any exception to items listed above: B, H, IR, CT
Scale Ticket # 169588

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☒ Rebekah A Westrup
Signature and date: on behalf of Exxon Mobil
Month 7 Day 9 Year 13

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Luis Navarro
Signature and date:
Month 7 Day 9 Year 13

Recycling Facility

Discrepancies:
70235
905091

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: D. JEFFREY/J. PROVANSAL
Signature and date: 7/30/13

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. FRI 13- 70231

2. Page 1 of 1

3. Generator's Name and Mailing Address: Exxon Mobil 7-0235, 2225 Telegraph Ave, Oakland CA

Cordno - ERS

4. Generator's Phone ( )

5. Transporter 1 Company Name: Cordno - ERS

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address

INSTRAT, INC.
1105 C AIRPORT RD.
RIO VISTA, CA 94571

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone (707) 374-3834

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Hazardous Purge water	1	Poly	122	gal
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name | Signature | Date: Month / Day / Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Dan Domenichelli | Signature | Date: Month 7 / Day 23 / Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month / Day / Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: T. Maughlin | Signature | Date: Month 7 / Day 23 / Year 13

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. ERI 13-76235 | 2. Page 1 of 1

3. Generator's Name and Mailing Address: Exxon Mobil 70235, 2225 Telegraph Ave. Oakland CA

Cardno - ERI

4. Generator's Phone ( )

5. Transporter 1 Company Name: Cardno - ERI | 6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: SETRAT, INC. 1185 C AIRPORT RD PASO VISTA, CA 94571 | 10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone (707) 374-2834

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Hazardous Purge Water	1	Poly	30	gal
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name | Signature | Date: Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Dan Donatelli | Signature | Date: Month 7 Day 23 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

T ST

Printed/Typed Name: K. Whaghlo | Signature | Date: Month 7 Day 23 Year 13

NON-HAZARDOUS WASTE