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Jennifer C. Sedlachek
Project Manager

RECEIVED
By Alameda County Environmental Health at 2:49 pm, Feb 28, 2014

ExxonMobil

February 26, 2014

Mr. Keith Nowell
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 Mr. Nowell:

Attached for your review and comment is a copy of the letter report entitled ***Air Sparge/Dual-Phase Extraction Feasibility Testing Report,*** dated February26, 2014, 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 ***Air Sparge/Dual-Phase Extraction Feasibility Testing Report,*** dated February26, 2014

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

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

Cardno ERI

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February 26, 2014
Cardno ERI 2229C.R28

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

SUBJECT **Air Sparge/Dual-Phase Extraction Feasibility Testing Report**
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 performed AS/DPE feasibility testing at the subject site. The work was performed in accordance with the *Well Installation Report and Work Plan for Feasibility Testing* (Work Plan), dated August 28, 2013 (Cardno ERI, 2013), which was approved by the Alameda County Department of Environmental Health (the County), in a letter dated September 27, 2013 (Appendix A).

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 locations of the USTs, dispenser islands, groundwater monitoring wells, and select site features are shown on the Generalized Site Plan (Plate 2).

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.

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 vicinity are mapped as Merritt Sand consisting of fine-grained, very well sorted, well-drained eolian deposits from the Pleistocene and Holocene (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 DTW 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. 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

Groundwater monitoring and sampling data are summarized in Tables 1A through 1C. Well construction details are summarized in Table 2. 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 14 groundwater monitoring wells (Alton, 1991; ERI, 2000; ERI, 2001a; ERI, 2002; ERI, 2007; Cardno ERI, 2013; HLA, 1988; HLA, 1989; HLA, 1990; HLA, 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, USTs, 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 feet 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).

In September 2001, ERI conducted a DPE feasibility test (ERI, 2001b). 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, 2012). 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.

FEASIBILITY TESTING

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. In January 2014, Cardno ERI conducted AS/DPE feasibility testing to evaluate the feasibility of AS/DPE as a remedial technology to reduce petroleum hydrocarbons in soil and groundwater in the vicinity of the USTs and dispenser islands prior to submitting a revised feasibility study/corrective action plan and cost evaluation.

Cardno ERI performed the fieldwork in accordance with standard field protocols (Appendix B), a site-specific health and safety plan, and applicable regulatory guidelines.

Field Work and Methods

On January 14, 2014, Cardno ERI installed Magnehelic® gauges in wells MW6B, MW6G, MW6H, MW6Ka, MW6Kb, MW6La, MW6Lb, RW1, and RW3A. The gauges remained in the wells for the duration of the feasibility tests (with the exception of periods when the respective wells were used for extraction).

The tests were performed using a mobile extraction and treatment system equipped with an electric catalytic oxidizer for vapor abatement. A PID, water level indicator, flow meter, and Magnehelic® gauges were used to monitor system performance and influence.

Groundwater Monitoring and Sampling

On January 13, 2014, Cardno ERI gauged the extraction wells and collected pre-testing groundwater samples from wells MW6B, MW6H, MW6Kb, and MW6Lb. On January 17, 2014, Cardno ERI gauged the extraction wells and collected post-testing groundwater samples from extraction wells MW6B, MW6H, MW6Kb, and MW6Lb. Wells MW6Ka and MW6La were dry during both events. The work was performed in accordance with the field protocol included in Appendix B.

Dual-Phase Extraction Tests

On January 14 and 15, 2014, Cardno ERI conducted six two-hour DPE tests to assess the radius of influence (ROI) of subsurface vacuum, extracted subsurface airflow rates, extracted hydrocarbon vapor concentrations, groundwater extraction rates, and groundwater capture zone. The tests were performed using wells MW6B, MW6H, MW6Ka, MW6Kb, MW6La, and MW6Lb individually as extraction wells.

Vacuum was applied to each well individually for a minimum of two hours. During the test, vacuum was measured in wells MW6B, MW6H, MW6Ka, MW6La, RW1, and RW3A (whichever was not the extraction well) and groundwater levels were monitored in each well. Due to influent concentrations and the requirements of the abatement device (catalytic oxidizer), dilution air was introduced during the DPE tests on wells MW6H, MW6Ka, MW6Kb, and MW6Lb to ensure compliance with the Bay Area Air Quality Management District (BAAQMD) air permit. Extraction well data are presented in Table 4, and observation well data are presented in Table 5.

Influent vapor samples were collected at the beginning and end of each test. There was insufficient sample volume to perform the analyses in the sample collected from well MW6La at the end of the test due to a leaking sample container.

Air Sparge/Dual-Phase Extraction Tests

On January 16 and 17, 2014, Cardno ERI conducted one 24-hour combined AS/DPE test to evaluate hydrocarbon removal and air flow rates while operating the AS wells. Wells MW6Kb and MW6Lb were used as the AS wells and wells MW6B, MW6H, MW6Ka, and MW6La were used as the extraction wells. The extraction wells were operated prior to sparging for two hours and 10 minutes to establish a baseline without AS concentration. Extraction well data are presented in Table 4.

Vacuum, groundwater levels, and DO were measured in observation wells MW6G, RW1, and RW3A during the test. Observation well data are presented in Table 6.

Vapor samples were collected throughout the test, including at the start and end.

Laboratory Analyses

Cardno ERI submitted soil vapor and groundwater samples for analysis, under COC protocol, to Calscience Environmental Laboratories, Inc., an EMES-approved, state-certified analytical laboratory. Analytical results and testing methods for the soil vapor and groundwater samples are summarized in Tables 7 and 8, respectively. Laboratory analytical reports are provided in Appendix C.

Results and Data Evaluation

Groundwater Influence

The DO readings observed while sparging varied by 0.80 mg/L and showed an overall increasing trend in well MW6G and varied by 0.99 mg/L in well RW1 and 0.59 mg/L in well RW3A and showed an overall decreasing trend in both wells. Groundwater elevations measured in the observation wells were consistent through the tests. The DO and groundwater elevation did not indicate a significant ROI while sparging into wells MW6Kb and MW6Lb.

Radius of Influence

Based on an induced vacuum of 0.1 inch of water column being effective, an ROI of up to approximately 19.5 to 27.5 feet was achieved during DPE testing (Plate 2). A measurable ROI was produced during extraction on wells MW6B (25 feet), MW6H (27.5 feet), and MW6Kb (19.5 feet). Measurable vacuum was not induced in the observation wells during extraction on wells MW6Ka, MW6La, or MW6Lb, indicating the ROI was less than the distance to the nearest observation well and less than approximately 20 feet while extracting from the wells. ROI calculations are shown on Graphs 1 through 3.

Soil Vapor

The system operated at a maximum flow rate of 91.8 scfm. The maximum average flow rates were achieved during the combined AS/DPE feasibility test (60.4 scfm) and during extraction on wells MW6H (75.0 scfm) and MW6Ka (89.5 scfm). Average flow rates of 34.0 scfm and 47.9 scfm were achieved during extraction on wells MW6La and MW6B, respectively. The minimum average flow rates were achieved during extraction on wells MW6Kb (7.0 scfm) and MW6Lb (9.8 scfm). Dilution air was introduced during the DPE tests on wells MW6H, MW6Ka, MW6Kb, and MW6Lb, increasing the flow rates in these wells.

Maximum vapor-phase concentrations of TPHg and benzene were reported at 9,900 mg/m^3 (combined AS/DPE test) and 81 mg/m^3 (MW6Lb DPE only test), respectively. MTBE was only reported in one sample (0.24 mg/m^3 in the second sample collected from well MW6Lb). Vapor-phase concentrations were generally consistent throughout the feasibility tests, but increased with the operation of the AS system. The sample results include varying amounts of dilution air (required to maintain proper operation of the catalytic oxidizer), so the actual concentrations extracted from the wells are higher. Soil vapor analytical results are summarized in Table 7.

The results of the combined AS/DPE test indicate that the addition of AS increased the influent concentration approximately two to three times. The initial combined influent TPHg concentration was 2,400 mg/m^3 and, following the initiation of AS, the influent concentration ranged from 6,300 mg/m^3 to 9,900 mg/m^3 (Table 7).

Cardno ERI estimates that a total of approximately 31.096 pounds of TPHg, 0.179 pound of benzene, and less than 0.008 pound of MTBE were removed in vapor phase during testing. Mass removal data are presented in Table 9. Cardno ERI's protocol for calculating mass removal is included in Appendix B.

Groundwater

Approximately 587 gallons of water were extracted during the combined 36 hours of testing, resulting in an average groundwater flow rate of approximately 0.27 gpm. The calculated rate and observed groundwater

drawdown are considered insignificant and Cardno ERI did not further analyze the hydraulic data collected during the tests. The rate indicates that groundwater extraction alone is not an effective remedial technology.

Dissolved-phase concentrations increased in wells MW6B and MW6H, decreased in well MW6Kb, and remained consistent in well MW6Lb after feasibility testing when compared to concentrations reported in the samples collected the day before the start of testing. Wells MW6Ka and MW6Lb were dry before and after the feasibility tests. The maximum TPHg (39,000 µg/L), benzene (4,700 µg/L), and MTBE (180 µg/L) concentrations were reported in the samples collected from well MW6H after the completion of feasibility testing. Groundwater results are summarized in Table 8.

Cardno ERI estimates that a total of approximately 0.105 pound of TPHg, <0.013 pound of benzene, and 0.001 pound of MTBE were removed in dissolved-phase during DPE testing. Mass removal data are presented in Table 10. Cardno ERI's protocol for calculating mass removal is included in Appendix B.

Waste Management

Approximately 587 gallons of groundwater were temporarily stored in a 600-gallon drum on site and transported for disposal to InStrat, Inc., of Rio Vista, California, an EMES-approved facility. Waste disposal documentation is included in Appendix D.

CONCLUSIONS

Hydrocarbon mass removal rates in soil vapor indicate that DPE may be a feasible remedial technology at the site; however, the insignificant groundwater extraction rate indicates that groundwater extraction alone will not address residual and dissolved-phase hydrocarbon concentrations. AS combined with DPE may effectively address both residual and dissolved-phase hydrocarbon concentrations.

RECOMMENDATIONS

Cardno ERI recommends conducting the scheduled first quarter groundwater monitoring and sampling event to assess the effects of feasibility testing. Based on the results of the feasibility testing, it appears that focused DPE and/or AS/DPE events may be an effective remedial alternative to address hydrocarbon concentrations in the northeastern portion of the site. Recommendations regarding additional remedial efforts will be included in the first quarter groundwater monitoring and sampling report.

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 Mr. Keith Nowell, 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

Christine M. Capwell
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SCANNED IMAGE

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Enclosures:

References

Acronym List

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Graph 2	Vacuum Radius of Influence – Well MW6H
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Table 10	Air Sparge/Dual-Phase Extraction Tests – Dissolved-Phase Hydrocarbon Removal
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Appendix B	Protocols and SOPs
Appendix C	Laboratory Analytical Reports
Appendix D	Waste Disposal Documentation

cc: Mr. Keith Nowell, 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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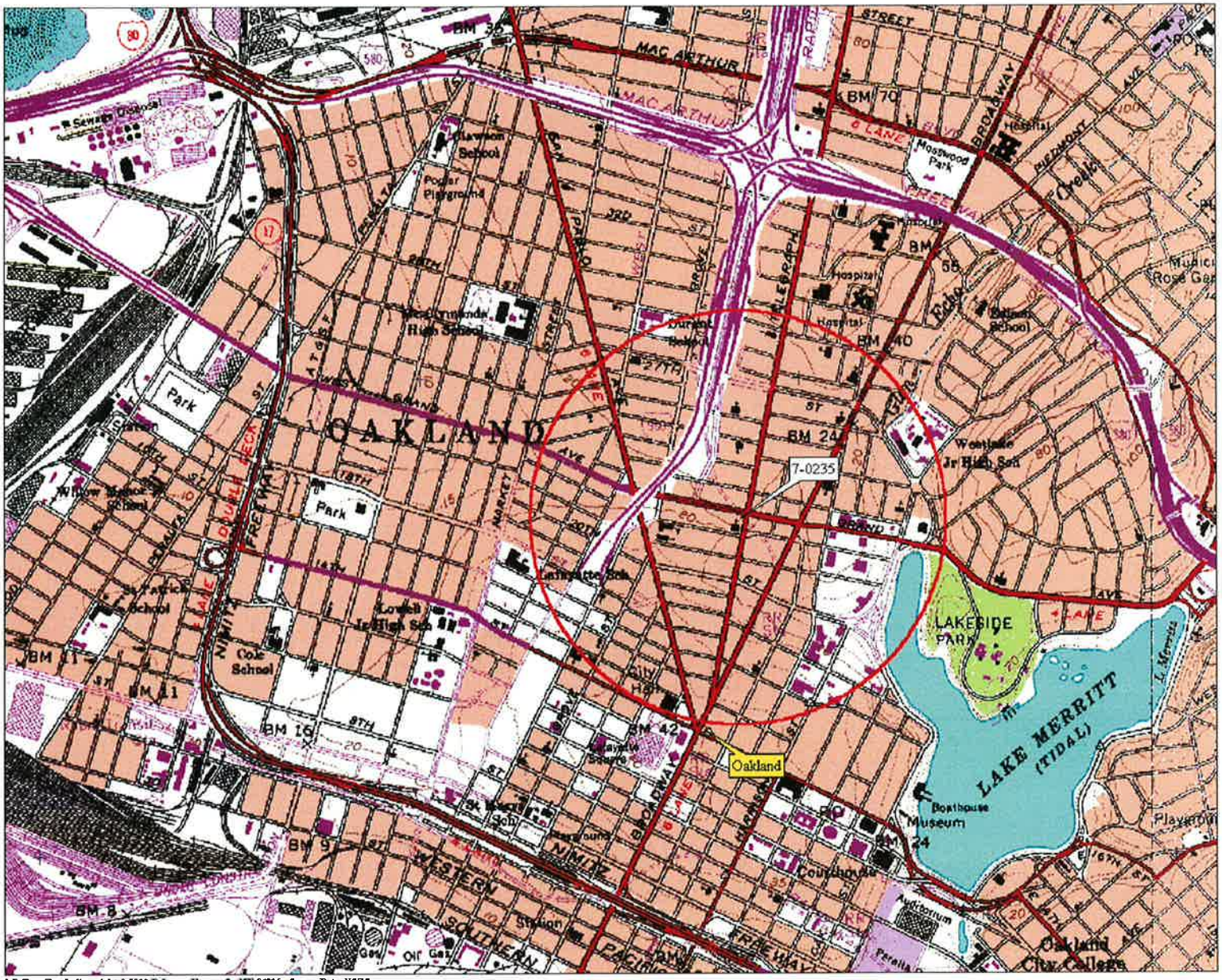
ACRONYM LIST

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



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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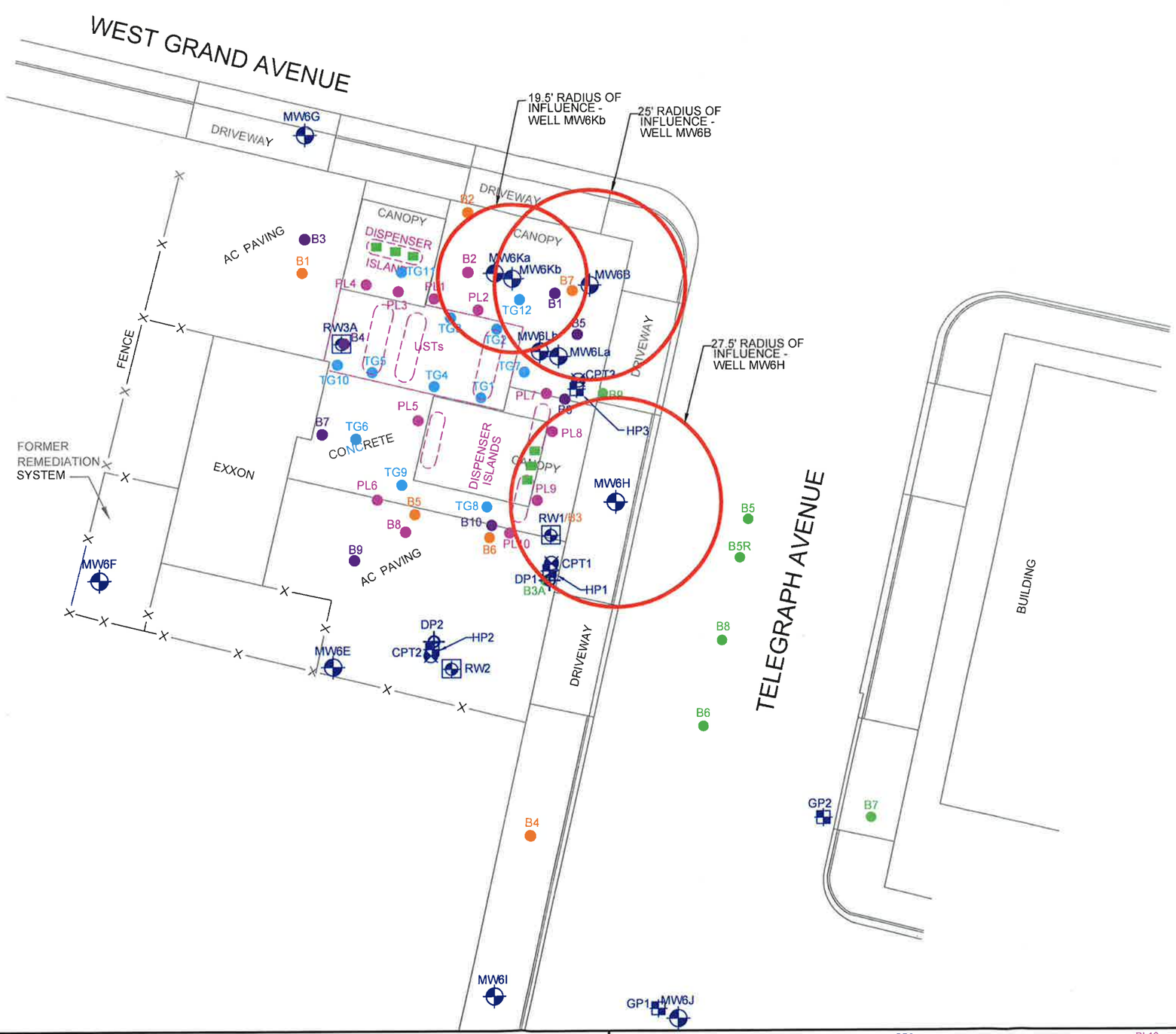
SITE VICINITY MAP

FORMER EXXON SERVICE STATION 70235
2225 Telegraph Avenue
Oakland, California

PROJECT NO.
2229

PLATE
1



FN 2229 14 R28 GSP_RPT

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GENERALIZED SITE PLAN

FORMER EXXON SERVICE STATION 70235
2225 Telegraph Avenue
Oakland, California

EXPLANATION

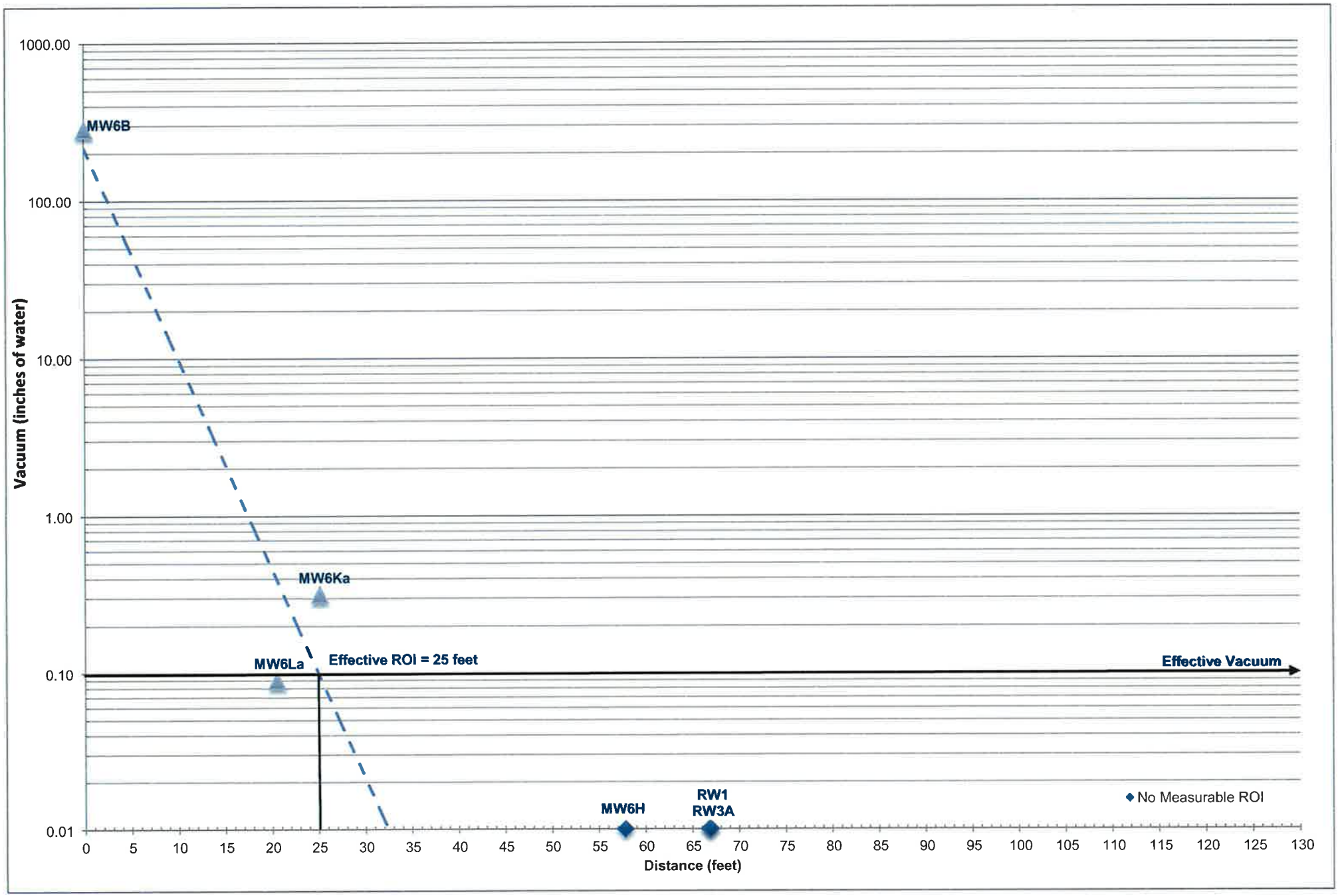
- MW6Lb — Groundwater Monitoring Well
- RW3A — Recovery Well
- B9 — Soil Boring-ERI
- GP2 — Geoprobe
- CPT3 — Cone Penetration Text Boring
- HP3 — Hydropunch Boring
- DP2 — Direct Push Boring
- PL10 — Soil Boring-Product Line
- B7 — Soil Boring-HLA
- B10 — Soil Boring-ALTON
- TG12 — Soil Boring-EA
-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

PROJECT NO. 2229

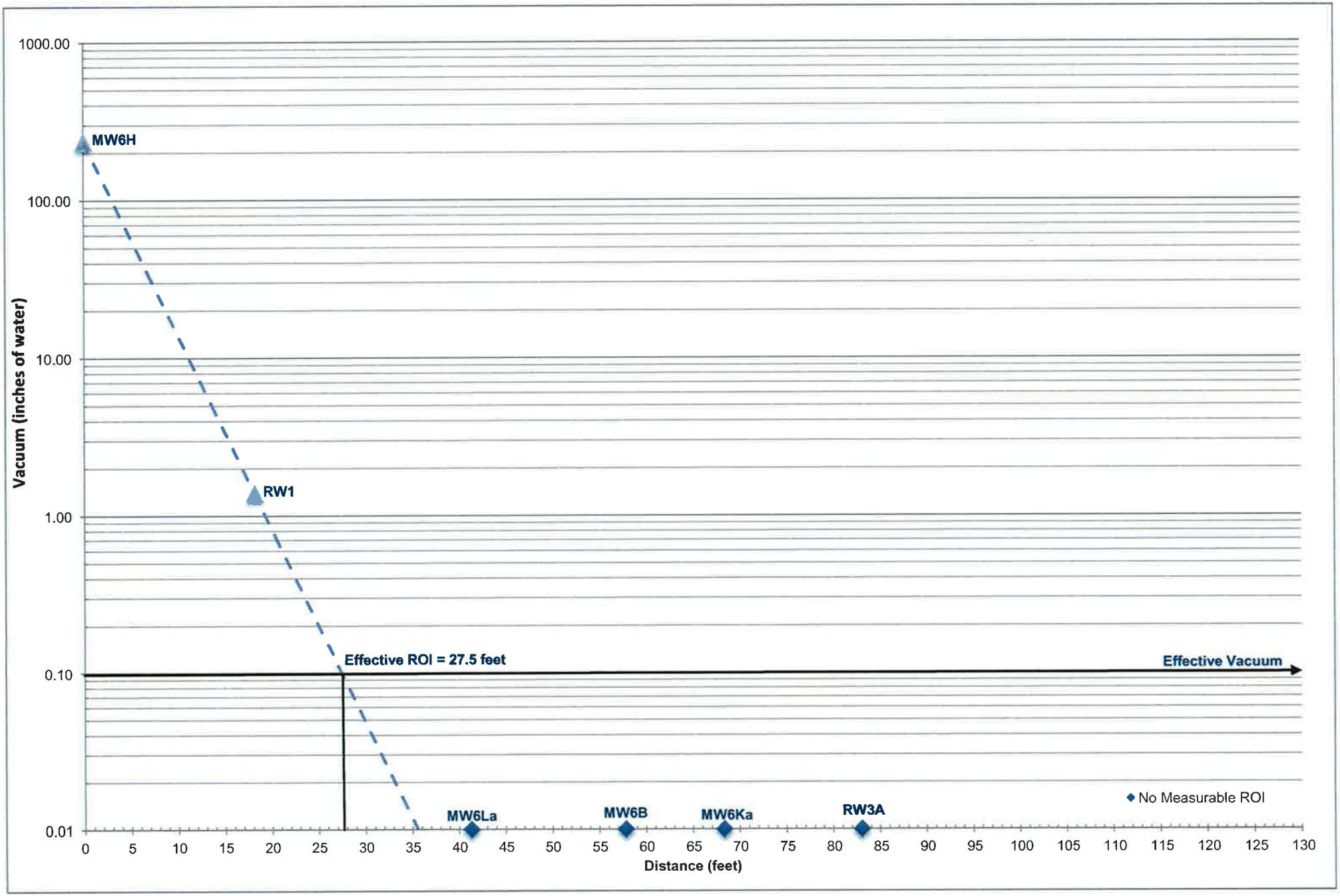
PLATE 2

L:\EXXONMOBIL\ExxonMobil Projects\022229C (70235) Oakland\2229 AutoCad\REPORTS\14 R28\14 R28 GSP_RPT.dwg, mary.jones

GRAPH 1
VACUUM RADIUS OF INFLUENCE - WELL MW6B
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California
(Page 1 of 1)



GRAPH 2
VACUUM RADIUS OF INFLUENCE - WELL MW6H
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California
(Page 1 of 1)



GRAPH 3
VACUUM RADIUS OF INFLUENCE - WELL MW6Kb
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California
(Page 1 of 1)

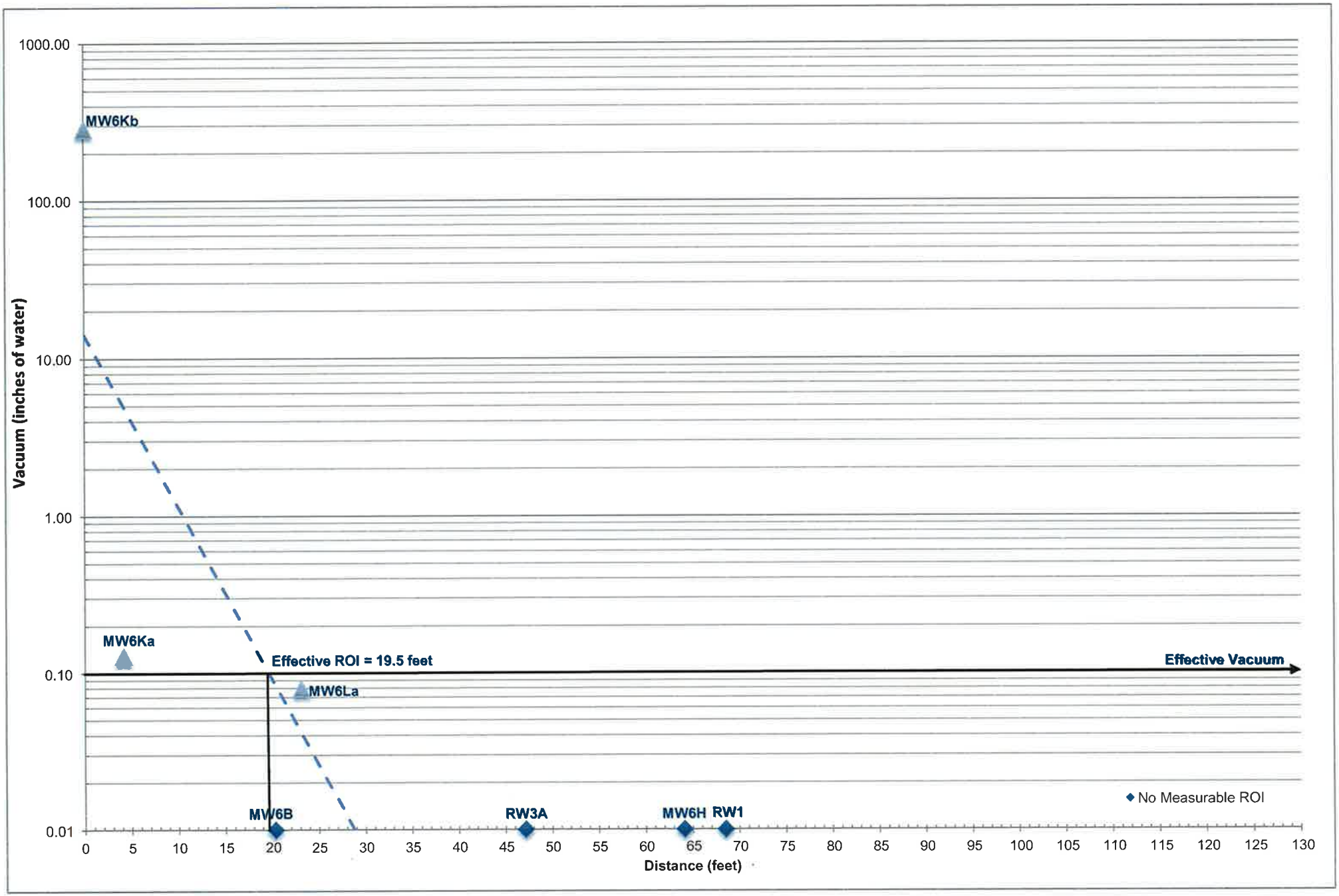


TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

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)
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	12.36	8.73	No	420	2,500	<250	---	51	1,000	99	84	150	---
MW6B	06/17/09	---	21.09	---	---	---	420	2,500	<250	---	51	1000	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	---
MW6B	09/04/13	---	21.09	12.60	8.49	No	59d	320	<250	---	39	10	<0.50	<0.50	<0.50	---
MW6B	**12/11/13 b**	**---**	**21.09**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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	---	99.89i	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	---

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	06/16/92	---	15.23	13.54	1.69	---	---	3,400	---	---	---	300	23	68	510	---
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	---

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	07/05/01	---	21.58	13.21	8.37	No	---	210	---	<2	---	80	<0.5	0.94	2.3	---
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)
MW6E	09/04/13	---	21.24	13.07	8.17	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6E	**12/11/13 b**	**---**	**21.24**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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	---

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	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	---
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	---

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	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	---
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	---
MW6F	09/04/13	---	22.17	13.88	8.29	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6F	**12/11/13 b**	**---**	**22.17**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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	---	---	---	---	---	---	---	---	---	---	---

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	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	---
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	---	--	---	---	---	---	---	---	---	---

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	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	---
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	---	---	---	<50	<50	<250	---	1.6	<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	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	---

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	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	---
MW6G	09/04/13	---	20.46	11.77	8.69	No	<50	<50	<250	---	0.78	<0.50	<0.50	<0.50	<0.50	---
MW6G	**12/11/13 b**	**---**	**20.46**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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	---

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	11/23/93	---	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	---
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	---

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	11/04/04	---	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	---
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	---
MW6H	09/04/13	---	20.20	11.96	8.24	No	380d	2,700	<250	---	<10	350	39	26	80	---
MW6H	**12/11/13 b**	**---**	**20.20**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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	---	---	---	---	---	---	---	---	---	---	---

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	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	---
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	---

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	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	---	---	---	---	---	---	---
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	---

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	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	---	---	---	---	---	---	---	---	---	---
MW6I	03/11/13	---	19.87	---	---	---	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6I	09/04/13	---	19.87	12.10	7.77	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6I	**12/11/13 b**	**---**	**19.87**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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.												

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	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	---
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	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6J	09/04/13	---	20.75	13.26	7.49	No	<50	<50	<250	---	19	<0.50	<0.50	<0.50	<0.50	---
MW6J	**12/11/13 b**	**---**	**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	---	---	---	---	---	---	---	---	---	---
MW6Ka	09/04/13 v	---	21.04	Dry	---	---	---	---	---	---	---	---	---	---	---	---
MW6Ka	**12/11/13 v**	**---**	**21.04**	**Dry**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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	---
MW6Kb	09/04/13	---	20.81	12.20	8.61	No	720d	2,800d	<250	---	17	140	14	98	30	---
MW6Kb	**12/11/13**	**---**	**20.81**	**12.28**	**8.53**	**No**	**<48**	**1,500**	**<240**	**---**	**19**	**220**	**14**	**42**	**20**	**---**
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	---	---	---	---	---	---	---	---	---	---	---	---
MW6La	09/04/13 v	---	21.18	12.27u	u	No	---	---	---	---	---	---	---	---	---	---
MW6La	**12/11/13 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	---
MW6Lb	09/04/13	---	21.19	12.76	8.43	No	490d	2,600	<250	---	6.6	310	19	36	46	---
MW6Lb	**12/11/13**	**---**	**21.19**	**12.77**	**8.42**	**No**	**<48**	**2,000**	**<2,400**	**---**	**7.1**	**550**	**17**	**17**	**20**	**---**

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	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	---	---	---	---	---	---	---	---	---	---	---	---	---
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	---

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)
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	---
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	---
RW1	09/04/13	---	20.43	12.18	8.25	No	550d	1,500d	350d	---	4.7	54	4.1	1.7	5.4	---
RW1	**12/11/13 b**	**---**	**20.43**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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	---	---	---	---	---	---	---	---	---	---	---

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	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.			---	---	---	---	---	---	---	---	---	---
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	---

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	10/27/06	---	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	12.25	8.39	No	310	1,100	<250	---	0.76	6.8	<0.50	5.7	4.4	---
RW2	06/17/09	---	20.64	---	---	---	310	1100	<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	---
RW2	09/04/13	---	20.64	12.51	8.13	No	160d	780d	<250	---	0.89	<0.50	<0.50	<0.50	<0.50	---
RW2	**12/11/13 b**	**---**	**20.64**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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	---

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	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	---
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	---

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	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	---
RW3A	09/04/13	---	21.89	13.41	8.48	No	<50	210d	<250	---	2.1	71	0.78	<0.50	<0.50	---
RW3A	**12/11/13 b**	**---**	**21.89**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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	---
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	---

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 = Insufficient 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
MW6B	09/04/13	---	<0.50	<0.50	<0.50	15	<0.50	4.0	---
MW6B	**12/11/13 b**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6C	06/15/88	---	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)
MW6C	06/24/88 - 04/30/90	---	Not analyzed for these analytes.						
MW6C	05/10/90	---	Well over-drilled into recovery well RW3.						
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
MW6E	09/04/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	**12/11/13 b**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6F	10/05/88	---	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)
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
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
MW6F	09/04/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	**12/11/13 b**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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

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	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
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
MW6G	09/04/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	**12/11/13 b**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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

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	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
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
MW6H	09/04/13	---	<10	<10	<10	<100	<10	<10	<1,000
MW6H	**12/11/13 b**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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	---	---	---	---	---	---	---	---

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)
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
MW6I	09/04/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	**12/11/13 b**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6J	04/06/01	---	Well installed.						
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	---	---	---	---	---	---	---	---
MW6J	09/04/13	---	<0.50	0.57	<0.50	<5.0	<0.50	<0.50	---

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	**12/11/13 b**	---	---	---	---	---	---	---	---
MW6Ka	06/21/13 v	---	---	---	---	---	---	---	---
MW6Ka	09/04/13 v	---	---	---	---	---	---	---	---
MW6Ka	**12/11/13 v**	---	---	---	---	---	---	---	---
MW6Kb	06/21/13	---	<10	<10	<10	<100	<10	<10	<1,000
MW6Kb	09/04/13	---	<2.5	<2.5	<2.5	<25	<2.5	3.1	---
MW6Kb	**12/11/13**	---	**<5.0**	**<5.0**	**<5.0**	**<50**	**<5.0**	**<5.0**	**<500**
MW6La	06/21/13 v	---	---	---	---	---	---	---	---
MW6La	09/04/13 v	---	---	---	---	---	---	---	---
MW6La	**12/11/13 v**	---	---	---	---	---	---	---	---
MW6Lb	06/21/13	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<500
MW6Lb	09/04/13	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<500
MW6Lb	**12/11/13**	---	**<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.						
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

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	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
RW1	09/04/13	---	<0.50	<0.50	<0.50	21	<0.50	0.69	<50
RW1	**12/11/13 b**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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
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
RW2	09/04/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	**12/11/13 b**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

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)
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
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
RW3A	09/04/13	---	<0.50	<0.50	<0.50	22	<0.50	4.5	<50
RW3A	**12/11/13 b**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
Grab Groundwater Samples									
W-Comp	10/26/00	---	---	---	---	---	---	---	---

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)
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.

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 = Insufficient 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 = Insufficient 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	---	---	---	---	---	---	---

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.
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 4
AIR SPARGE/DUAL-PHASE EXTRACTION TESTS - EXTRACTION WELL DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Sampling Date	Sampling Time	Elapsed Time	Blower Vacuum (in Hg)	Well Vacuum (in Hg)	Vapor Flow (fpm)	Vapor Flow (scfm)	Oxidizer Temp (deg C)	Oxidizer Temp (deg F)	Vapor Temp (deg F)	Vapor Pressure (in H_2O)	Sparge Pressure (psi)	Sparge Flow (scfm)	PID Influent (ppm)	PID Effluent (ppm)	Totalizer Reading (gallons)
DPE Feasibility Test - Well MW6H															
01/14/14	10:30	0:00	23.5	5.0	1,584	35.1	363	685	67	1	---	---	182	0.2	9,045,240
01/14/14	10:45	0:15	18.5	13.0	3,400	75.6	444	831	66	1	---	---	10,264	72.0	9,045,280
01/14/14	11:00	0:30	16.0	13.0	4,065	90.0	432	810	68	1	---	---	>6,000	39.0	9,045,310
01/14/14	11:15	0:45	16.0	13.0	3,927	86.4	425	797	71	1	---	---	5,413	85.0	9,045,310
01/14/14	11:30	1:00	15.5	13.0	3,602	79.4	432	810	70	1	---	---	6,740	98.0	9,045,350
01/14/14	12:00	1:30	16.0	13.0	3,622	79.7	442	828	71	1	---	---	7,738	98.6	9,045,390
01/14/14	12:30	2:00	16.0	13.0	3,568	78.4	450	842	72	1	---	---	8,044	101.3	9,045,440
DPE Feasibility Test - Well MW6Ka											---	---			
01/14/14	13:00	0:00	15.0	3.0	4,017	88.4	406	763	71	1	---	---	8,555	107.8	9,045,460
01/14/14	13:15	0:15	15.0	3.5	3,925	86.7	425	797	69	1	---	---	10,411	122.3	9,045,460
01/14/14	13:30	0:30	15.0	3.5	4,056	91.8	425	797	69	11	---	---	10,750	115.7	9,045,460
01/14/14	13:45	0:45	15.0	3.5	3,918	88.6	424	795	69	10.5	---	---	10,478	115.1	9,045,460
01/14/14	14:00	1:00	15.0	3.5	3,966	89.7	423	793	69	10.5	---	---	10,767	115.7	9,045,460
01/14/14	14:30	1:30	15.0	4.0	4,027	91.2	452	846	69	11	---	---	10,836	130.2	9,045,460
01/14/14	15:00	2:00	15.0	4.0	3,980	90.1	431	808	69	11	---	---	10,487	121.1	9,045,460
DPE Feasibility Test - Well MW6B															
01/14/14	15:15	0:00	16.0	10.0	3,616	81.5	371	700	69	9	---	---	369	2.6	9,045,490
01/14/14	15:30	0:15	22.0	19.0	1,983	44.0	389	732	69	3	---	---	1,587	14.3	9,045,490
01/14/14	15:45	0:30	22.0	19.0	1,808	39.9	403	757	71	2.5	---	---	2,963	23.6	9,045,490
01/14/14	16:00	0:45	22.0	19.5	1,837	40.7	406	763	70	3	---	---	3,384	33.4	9,045,490
01/14/14	16:15	1:00	22.0	19.5	1,857	41.2	409	768	70	3	---	---	3,626	22.3	9,045,490
01/14/14	16:45	1:30	22.0	19.0	2,032	45.0	414	777	70	3	---	---	4,670	27.6	9,045,520
01/14/14	17:15	2:00	22.0	19.0	1,928	42.7	416	781	70	3	---	---	4,915	6.3	9,045,560
DPE Feasibility Test - Well MW6Kb															
01/15/14	8:30	0:00	25.0	23.0	253	5.6	365	689	64	1	---	---	223.6	0.0	9,045,560
01/15/14	8:45	0:15	27.5	26.0	170	3.8	367	693	63	0.5	---	---	6,117	1.3	9,045,580
01/15/14	9:00	0:30	27.0	25.0	495	11.0	391	736	66	0	---	---	1,246	1.3	9,045,580
01/15/14	9:15	0:45	27.0	25.0	293	6.5	388	730	67	0	---	---	3,263	5.2	9,045,580
01/15/14	9:30	1:00	27.0	25.5	329	7.2	393	739	71	0	---	---	10,680	0.0	9,045,580
01/15/14	10:00	1:30	27.0	25.5	332	7.2	429	804	74	0	---	---	10,346	0.0	9,045,650
01/15/14	10:30	2:00	27.0	25.5	359	7.8	444	831	77	0	---	---	10,664	0.0	9,045,680
DPE Feasibility Test - Well MW6Lb															
01/15/14	11:00	0:00	23.0	22.0	1,642	36.2	376	709	72	2	---	---	205.9	0.0	9,045,720
01/15/14	11:15	0:15	20.0	18.0	521	11.5	370	698	73	5	---	---	699	0.0	9,045,720
01/15/14	11:30	0:30	27.0	25.5	387	8.4	367	693	76	0	---	---	846	0.0	9,045,720
01/15/14	11:45	0:45	27.0	25.5	266	5.8	367	693	74	0	---	---	736	0.0	9,045,750
01/15/14	12:00	1:00	27.5	26.5	134	2.9	364	687	75	0	---	---	1,638	0.0	9,045,750
01/15/14	12:30	1:30	27.5	27.0	79	1.7	366	691	75	0	---	---	3,567	0.0	9,045,790
01/15/14	13:00	2:00	27.5	27.0	78	1.7	372	702	76	0	---	---	5,852	0.0	9,045,790
DPE Feasibility Test - Well MW6La															
01/15/14	13:30	0:00	23.0	5.0	1,660	36.6	412	774	72	2	---	---	10,222	21.1	9,045,790
01/15/14	13:45	0:15	23.0	5.0	1,721	37.8	417	783	73	2	---	---	10,331	18.4	9,045,790
01/15/14	14:00	0:30	23.5	6.0	1,390	31.0	415	779	72	7	---	---	10,401	9.2	9,045,790
01/15/14	14:15	0:45	Test shut down due to high temperature.												
01/15/14	14:30	0:45	25.0	5.0	932	20.4	377	711	73	0	---	---	10,990	0.0	9,045,790
01/15/14	14:45	1:00	20.5	3.0	2,210	49.0	391	736	71	4	---	---	611	0.0	9,045,827
01/15/14	15:15	1:30	22.0	3.0	1,650	36.4	379	714	71	2	---	---	573	1.3	9,045,827
01/15/14	15:45	2:00	24.0	3.0	1,227	26.8	389	732	73	0	---	---	2,356	5.2	9,045,827

TABLE 4
AIR SPARGE/DUAL-PHASE EXTRACTION TESTS - EXTRACTION WELL DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Sampling Date	Sampling Time	Elapsed Time	Blower Vacuum (in Hg)	Well Vacuum (in Hg)	Vapor Flow (fpm)	Vapor Flow (scfm)	Oxidizer Temp (deg C)	Oxidizer Temp (deg F)	Vapor Temp (deg F)	Vapor Pressure (in H_2O)	Sparge Pressure (psi)	Sparge Flow (scfm)	PID Influent (ppm)	PID Effluent (ppm)	Totalizer Reading (gallons)
Combined AS/DPE Feasibility Test - Wells MW6B, MW6H, MW6Ka, and MW6La (DPE) and Wells MW6Kb and MW6Lb (AS)															
01/16/14	10:30	0:00	20.0	---	2,705	61.4	372	702	60	5	Off	Off	6,197	44.3	9,045,827
01/16/14	10:45	0:15	20.0	<1	2,900	65.7	412	774	61	5	Off	Off	6,567	60.9	9,045,827
01/16/14	11:00	0:30	19.5	<1	2,742	62.3	517	963	61	6	Off	Off	10,682	27.2	9,045,827
01/16/14	11:15	0:45	19.5	1.5	2,534	57.4	534	993	62	5.5	Off	Off	10,976	8.8	9,045,827
01/16/14	11:30	1:00	19.5	1.5	2,482	56.2	501	934	62	5.5	Off	Off	10,767	31.0	9,045,827
01/16/14	11:45	1:15	19.5	1.5	2,628	59.5	508	946	62	5.5	Off	Off	10,767	22.3	9,045,827
01/16/14	12:00	1:30	19.5	1.5	2,625	59.2	493	919	63	5	Off	Off	10,767	21.1	9,045,827
01/16/14	12:30	2:00	19.5	1.5	2,700	60.9	488	910	63	5	Off	Off	10,767	24.1	9,045,827
01/16/14	13:00	2:30	19.5	1.5	2,523	56.7	471	880	65	5	---	---	10,994	25.6	9,045,827
01/16/14	13:30	3:00	19.5	1.5	2,670	60.0	463	865	65	5	14	8	10,890	25.1	9,045,827
01/16/14	13:55	3:25	19.5	1.5	2,705	60.8	468	874	65	5	12	8	10,751	26.4	9,045,827
01/16/14	14:15	3:45	19.5	1.5	2,528	56.6	427	801	67	5	Off	Off	10,610	26.4	9,045,827
01/16/14	14:50	4:20	19.5	1.5	2,655	59.2	558	1,036	69	5	13	8	10,767	10.8	9,045,827
01/16/14	15:15	4:45	19.5	1.5	2,625	58.7	491	916	68	5	Off	Off	10,767	19.2	9,045,827
01/16/14	15:50	5:20	19.5	1.5	2,504	56.1	472	882	67	5	10	5	10,767	17.2	9,045,827
01/16/14	16:30	6:00	19.5	1.5	2,568	57.7	485	905	65	5	Off	Off	10,961	18.0	9,045,827
01/16/14	17:05	6:35	19.5	1.5	2,878	64.8	472	882	64	5	---	---	10,767	16.4	9,045,827
01/16/14	18:00	7:30	19.5	1.5	2,703	61.0	473	883	63	5	---	---	10,767	16.4	9,045,827
01/16/14	19:00	8:30	19.5	1.5	2,654	59.9	477	891	63	5	---	---	10,767	16.8	9,045,827
01/16/14	20:00	9:30	19.5	1.5	3,383	76.5	514	957	62	5	---	---	10,767	4.8	9,045,827
01/16/14	21:00	10:30	19.5	1.5	2,620	59.7	534	993	58	5	7	6	10,767	7.3	9,045,827
01/16/14	22:00	11:30	19.5	1.5	2,700	61.8	512	954	57	6	Off	Off	10,767	14.9	9,045,827
01/16/14	23:00	12:30	19.0	1.5	2,700	61.9	497	927	57	6.5	Off	Off	10,767	17.2	9,045,827
01/17/14	0:00	13:30	19.0	1.5	2,670	61.3	515	959	56	6.5	13	9	10,767	9.5	9,045,827
01/17/14	1:00	14:30	19.0	1.5	2,750	63.4	514	957	54	6.5	7	9	10,834	14.1	9,045,827
01/17/14	2:00	15:30	19.0	1.5	2,550	59.0	537	999	52	6.5	7	9	10,948	7.2	9,045,827
01/17/14	3:00	16:30	19.0	1.5	2,525	58.4	517	963	52	6.5	Off	Off	10,767	14.1	9,045,827
01/17/14	4:00	17:30	19.0	1.5	2,570	59.6	506	943	51	6.5	Off	Off	10,767	14.1	9,045,827
01/17/14	5:00	18:30	19.0	1.5	2,600	60.3	481	898	51	6.5	7	9	10,767	14.1	9,045,827
01/17/14	6:00	19:30	19.0	1.5	2,550	59.1	488	910	51	6.5	9	9	10,767	18.0	9,045,827
01/17/14	7:00	20:30	19.0	1.5	2,550	59.1	526	979	51	6.5	8.5	8	10,767	10.3	9,045,827
01/17/14	8:00	21:30	19.0	1.5	2,600	60.3	529	984	51	6.5	8	8	10,767	6.5	9,045,827
01/17/14	9:00	22:30	19.0	1.5	2,845	66.1	532	990	50	6.5	Off	Off	10,767	5.7	9,045,827
01/17/14	10:00	23:30	19.0	1.5	2,772	64.1	542	1,008	52	6.5	Off	Off	10,767	11.1	9,045,827
01/17/14	10:30	24:00	---	---	---	---	---	---	---	---	---	---	---	---	---

Total Gallons Extracted **587**
Average Groundwater Flow Rate (gpm) **0.27**

Notes:
Time = Time on a twenty-four hour clock.
Temp = Temperature
PID = Photo-ionization detector.
in Hg = Inches of mercury vacuum.
fpm = Feet per minute.
scfm = Standard cubic feet per minute.
deg C = Degrees Celsius.
deg F = Degrees Fahrenheit.
psi = Pounds per square inch.
ppm = Parts per million.
> = Greater than the stated value.
--- = Reading not taken.

TABLE 5
DUAL-PHASE EXTRACTION TESTS - OBSERVATION WELL DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

DPE Feasibility Test - Well MW6H			MW6B (57.8 feet)		MW6G (126.5 feet)	MW6H (0 feet)		MW6Ka (68.3 feet)		MW6Kb (64.1 feet)	MW6La (41.3 feet)		MW6Lb (44.5 feet)	RW1 (18.1 feet)		RW3A (83 feet)	
Date	Time	Elapsed Time	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)
01/14/14	10:30	0:00	0.0	12.84	12.04	---	12.30	0.0	Dry	12.53	0.0	Dry	12.98	0.0	12.44	0.0	13.76
01/14/14	10:45	0:15	0.0	---	---	---	---	0.0	---	---	0.0	---	---	1.4	---	0.0	---
01/14/14	11:00	0:30	0.0	12.83	12.04	---	---	0.0	---	12.56	0.0	---	13.12	1.0	12.84	0.0	13.76
01/14/14	11:15	0:45	0.0	---	---	---	---	0.0	---	---	0.0	---	---	1.0	---	0.0	---
01/14/14	11:30	1:00	0.0	12.88	12.04	---	---	0.0	---	12.56	0.0	---	13.15	1.0	12.99	0.0	13.73
01/14/14	12:00	1:30	0.0	12.85	12.02	---	---	0.0	---	12.57	0.0	---	13.15	1.0	13.07	0.0	13.76
01/14/14	12:30	2:00	0.0	12.85	11.99	---	15.86	0.0	Dry	12.56	0.0	Dry	13.18	1.0	13.10	0.0	13.76

DPE Feasibility Test - Well MW6Ka			MW6B (25.1 feet)		MW6G (61.6 feet)	MW6H (68.3 feet)		MW6Ka (0 feet)		MW6Kb (4.1 feet)	MW6La (27.7 feet)		MW6Lb (23.9 feet)	RW1 (70.7 feet)		RW3A (44.3 feet)	
Date	Time	Elapsed Time	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)
01/14/14	13:00	0:00	0.0	12.82	11.97	0.0	12.81	---	Dry	12.55	0.0	Dry	13.09	0.0	12.95	0.0	13.74
01/14/14	13:15	0:15	0.0	---	---	0.0	---	---	---	---	0.0	---	---	0.0	---	0.0	---
01/14/14	13:30	0:30	0.0	12.83	11.97	0.0	12.71	---	---	12.53	0.0	---	13.09	0.0	12.82	0.0	13.74
01/14/14	13:45	0:45	0.0	---	---	0.0	---	---	---	---	0.0	---	---	0.0	---	0.0	---
01/14/14	14:00	1:00	0.0	12.82	11.98	0.0	12.65	---	---	12.50	0.0	---	13.08	0.0	12.73	0.0	13.73
01/14/14	14:30	1:30	0.0	12.83	11.98	0.0	12.62	---	---	12.57	0.0	---	13.08	0.0	12.70	0.0	13.74
01/14/14	15:00	2:00	0.0	12.84	11.98	0.0	12.57	---	Dry	12.54	0.0	Dry	13.08	0.0	12.68	0.0	13.74

DPE Feasibility Test - Well MW6B			MW6B (0 feet)		MW6G (84.4 feet)	MW6H (57.8 feet)		MW6Ka (25.1 feet)		MW6Kb (20.4 feet)	MW6La (20.5 feet)		MW6Lb (21.9 feet)	RW1 (66.8 feet)		RW3A (66.9 feet)	
Date	Time	Elapsed Time	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)
01/14/14	15:15	0:00	---	12.84	11.98	0.0	12.57	0.20	Dry	12.54	0.00	Dry	13.08	0.0	12.68	0.0	13.74
01/14/14	15:30	0:15	---	---	---	0.0	---	0.32	---	---	0.02	---	---	0.0	---	0.0	---
01/14/14	15:45	0:30	---	---	11.99	0.0	12.53	0.25	Dry	12.66	0.06	Dry	13.23	0.0	12.64	0.0	13.75
01/14/14	16:00	0:45	---	---	---	0.0	---	0.25	---	---	0.09	---	---	0.0	---	0.0	---
01/14/14	16:15	1:00	---	---	11.99	0.0	12.52	0.23	---	12.70	0.09	---	13.26	0.0	12.61	0.0	13.75
01/14/14	16:45	1:30	---	---	11.99	0.0	12.50	0.20	---	12.72	0.09	---	13.28	0.0	12.63	0.0	13.76
01/14/14	17:15	2:00	---	16.37	12.00	0.0	12.50	0.18	Dry	12.72	0.09	Dry	13.31	0.0	12.82	0.0	13.75

TABLE 5
DUAL-PHASE EXTRACTION TESTS - OBSERVATION WELL DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

DPE Feasibility Test - Well MW6Kb			MW6B (20.3 feet)		MW6G (66.1 feet)	MW6H (64.1 feet)		MW6Ka (4.1 feet)		MW6Kb (0 feet)	MW6La (23.1 feet)		MW6Lb (20.7 feet)	RW1 (68.5 feet)		RW3A (47.1 feet)	
Date	Time	Elapsed Time	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)
01/15/14	8:30	0:00	0.0	12.84	12.03	0.0	12.33	0.00	Dry	12.63	0.00	Dry	13.15	0.0	12.52	0.0	13.76
01/15/14	8:45	0:15	0.0	---	---	0.0	---	0.02	---	---	0.06	---	---	0.0	---	0.0	---
01/15/14	9:00	0:30	0.0	13.09	12.03	0.0	12.32	0.04	Dry	---	0.07	Dry	13.27	0.0	12.52	0.0	13.79
01/15/14	9:15	0:45	0.0	---	---	0.0	---	0.05	---	---	0.07	---	---	0.0	---	0.0	---
01/15/14	9:30	1:00	0.0	13.15	12.06	0.0	12.32	0.08	Dry	---	0.07	Dry	13.60	0.0	12.55	0.0	13.83
01/15/14	10:00	1:30	0.0	13.20	12.07	0.0	12.32	0.13	---	---	0.08	---	13.62	0.0	12.55	0.0	13.90
01/15/14	10:30	2:00	0.0	13.20	12.08	0.0	12.32	0.13	Dry	17.60	0.05	Dry	13.65	0.0	12.55	0.0	13.90

DPE Feasibility Test - Well MW6Lb			MW6B (21.9 feet)		MW6G (83.1 feet)	MW6H (44.5 feet)		MW6Ka (23.9 feet)		MW6Kb (20.7 feet)	MW6La (5 feet)		MW6Lb (0 feet)	RW1 (48.6 feet)		RW3A (52 feet)	
Date	Time	Elapsed Time	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)
01/15/14	11:00	0:00	0.0	13.19	12.07	0.0	12.33	0.0	Dry	16.50	0.0	Dry	13.62	0.0	12.56	0.0	13.90
01/15/14	11:15	0:15	0.0	---	---	0.0	---	0.0	---	---	0.0	---	---	0.0	---	0.0	---
01/15/14	11:30	0:30	0.0	13.17	12.06	0.0	12.37	0.0	Dry	14.40	0.0	Dry	---	0.0	12.60	0.0	13.90
01/15/14	11:45	0:45	0.0	---	---	0.0	---	0.0	---	---	0.0	---	---	0.0	---	0.0	---
01/15/14	12:00	1:00	0.0	13.15	12.07	0.0	12.35	0.0	Dry	13.06	0.0	Dry	---	0.0	12.58	0.0	13.89
01/15/14	12:30	1:30	0.0	13.12	12.04	0.0	12.38	0.0	---	13.02	0.0	---	---	0.0	12.60	0.0	13.88
01/15/14	13:00	2:00	0.0	13.12	12.04	0.0	12.40	0.0	Dry	12.97	0.0	Dry	17.40	0.0	12.61	0.0	13.86

DPE Feasibility Test - Well MW6La			MW6B (20.5 feet)		MW6G (88.4 feet)	MW6H (41.3 feet)		MW6Ka (27.7 feet)		MW6Kb (23.1 feet)	MW6La (0 feet)		MW6Lb (5.0 feet)	RW1 (47.1 feet)		RW3A (56.1 feet)	
Date	Time	Elapsed Time	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)	Vacuum (in H_2O)	DTW (feet)
01/15/14	13:30	0:00	0.0	13.12	12.04	0.0	12.40	0.0	Dry	12.91	---	Dry	17.03	0.0	12.60	0.0	13.86
01/15/14	13:45	0:15	0.0	---	---	0.0	---	0.0	---	---	---	---	---	0.0	---	0.0	---
01/15/14	14:00	0:30	0.0	12.97	12.04	0.0	12.35	0.0	Dry	12.78	---	---	13.37	0.0	12.55	0.0	13.87
01/15/14	14:15	0:45	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
01/15/14	14:30	1:00	0.0	---	---	0.0	---	0.0	---	---	---	---	---	0.0	---	0.0	---
01/15/14	14:45	1:15	0.0	12.90	12.03	0.0	12.34	0.0	Dry	12.70	---	---	13.21	0.0	12.55	0.0	13.82
01/15/14	15:15	1:45	0.0	12.91	12.03	0.0	12.32	0.0	Dry	12.60	---	---	13.16	0.0	12.52	0.0	13.79
01/15/14	15:45	2:15	0.0	12.89	12.02	0.0	12.33	0.0	Dry	12.62	---	---	13.14	0.0	12.52	0.0	13.79

Notes: Extraction well highlighted in grey.
Time = Time presented using a 24-hour clock.
DTW = Depth to water.
(57 feet) = Distance from extraction well.
in H_2O = Inches of water column.
--- = Reading not taken.

TABLE 6
AIR SPARGE/DUAL-PHASE EXTRACTION TEST - OBSERVATION WELL DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Sampling Date	Sampling Time	MW6B DO (mg/L)	MW6B DTW (feet)	MW6G Vacuum (in H_20)	MW6G DO (mg/L)	MW6G DTW (feet)	MW6H DO (mg/L)	MW6H DTW (feet)	MW6Ka DO (mg/L)	MW6Ka DTW (feet)	MW6Kb DO (mg/L)	MW6Kb DTW (feet)	MW6La DO (mg/L)	MW6La DTW (feet)	MW6Lb DO (mg/L)	MW6Lb DTW (feet)	RW1 Vacuum (in H_20)	RW1 DO (mg/L)	RW1 DTW (feet)	RW3A Vacuum (in H_20)	RW3A DO (mg/L)	RW3A DTW (feet)
Combined AS/DPE Feasibility Test - Wells MW6B, MW6H, MW6Ka, and MW6La (DPE) and Wells MW6Kb and MW6Lb (AS)																						
01/16/14	10:30	---	---	0.0	2.85	12.01	---	---	---	---	---	---	---	---	---	---	0.0	1.04	12.48	0.0	0.76	13.69
01/16/14	10:45	---	---	0.0	2.59	12.02	---	---	---	---	---	---	---	---	---	---	0.0	1.14	12.45	0.0	0.64	13.73
01/16/14	11:00	---	---	---	2.36	12.01	---	---	---	---	---	---	---	---	---	---	0.0	0.85	12.46	0.0	0.64	13.73
01/16/14	11:30	---	---	---	2.21	12.01	---	---	---	---	---	---	---	---	---	---	0.0	0.79	12.46	0.0	0.62	13.73
01/16/14	12:00	---	---	---	2.62	11.99	---	---	---	---	---	---	---	---	---	---	0.0	0.64	12.46	0.0	0.70	13.73
01/16/14	12:30	---	---	---	2.66	11.97	---	---	---	---	---	---	---	---	---	---	0.0	0.62	12.45	0.0	0.81	13.74
01/16/14	13:00	---	---	---	2.65	11.91	---	---	---	---	---	---	---	---	---	---	0.0	0.74	12.36	0.0	0.58	13.62
01/16/14	13:30	---	---	---	2.46	11.95	---	---	---	---	---	---	---	---	---	---	0.0	0.63	12.34	0.0	0.63	13.61
01/16/14	14:30	---	---	---	2.79	11.89	---	---	---	---	---	---	---	---	---	---	0.0	0.78	12.31	0.0	0.61	13.55
01/16/14	15:30	---	---	---	2.48	11.92	---	---	---	---	---	---	---	---	---	---	0.0	0.69	12.35	0.0	0.72	13.64
01/16/14	16:30	---	---	---	2.47	11.91	---	---	---	---	---	---	---	---	---	---	0.0	0.71	12.36	0.0	0.68	13.65
01/16/14	17:00	---	---	---	2.69	11.93	---	---	---	---	---	---	---	---	---	---	0.0	0.77	12.34	0.0	0.66	13.61
01/16/14	18:00	---	---	---	2.66	11.92	---	---	---	---	---	---	---	---	---	---	0.0	0.74	12.34	0.0	0.67	13.63
01/16/14	19:00	---	---	---	2.58	11.95	---	---	---	---	---	---	---	---	---	---	0.0	0.67	12.33	0.0	0.69	13.66
01/16/14	20:00	---	---	---	2.83	11.93	---	---	---	---	---	---	---	---	---	---	0.0	1.06	12.33	0.0	0.65	13.63
01/16/14	21:00	---	---	---	2.76	11.92	---	---	---	---	---	---	---	---	---	---	0.0	0.94	12.34	0.0	0.68	13.64
01/16/14	22:00	---	---	---	2.42	12.00	---	---	---	---	---	---	---	---	---	---	0.0	0.87	12.43	0.0	0.71	13.73
01/16/14	23:00	---	---	---	2.47	12.01	---	---	---	---	---	---	---	---	---	---	0.0	0.67	12.43	0.0	0.52	13.72
01/17/14	0:00	---	---	---	2.46	11.97	---	---	---	---	---	---	---	---	---	---	0.0	0.22	12.34	0.0	0.24	13.61
01/17/14	1:00	---	---	---	2.78	11.97	---	---	---	---	---	---	---	---	---	---	0.0	0.64	12.34	0.0	0.25	13.64
01/17/14	2:00	---	---	---	2.75	11.98	---	---	---	---	---	---	---	---	---	---	0.0	0.57	12.41	0.0	0.54	13.69
01/17/14	3:00	---	---	---	2.72	12.00	---	---	---	---	---	---	---	---	---	---	0.0	0.42	12.45	0.0	0.50	13.75
01/17/14	4:00	---	---	---	2.66	12.02	---	---	---	---	---	---	---	---	---	---	0.0	0.22	12.43	0.0	0.34	13.72
01/17/14	5:00	---	---	---	2.61	12.02	---	---	---	---	---	---	---	---	---	---	0.0	0.39	12.36	0.0	0.22	13.62
01/17/14	6:00	---	---	---	2.91	12.01	---	---	---	---	---	---	---	---	---	---	0.0	0.43	12.42	0.0	0.34	13.68
01/17/14	7:00	---	---	---	2.70	12.02	---	---	---	---	---	---	---	---	---	---	0.0	0.20	12.40	0.0	0.37	13.70
01/17/14	8:00	---	---	---	3.01	12.03	---	---	---	---	---	---	---	---	---	---	0.0	0.15	12.43	0.0	0.46	13.74
01/17/14	9:00	---	---	---	2.97	12.02	---	---	---	---	---	---	---	---	---	---	0.0	0.19	12.41	0.0	0.42	13.72
01/17/14	10:00	---	---	---	2.95	12.02	---	---	---	---	---	---	---	---	---	---	0.0	0.23	12.42	0.0	0.45	13.71
Post-Testing Results																						
01/17/14	12:00	0.81	12.81	---	3.06	11.98	0.84	12.13	---	Dry	4.00	12.55	---	12.32	3.51	13.02	---	0.75	12.37	---	0.69	13.68

Notes:
Time = Time presented using a 24-hour clock.
DO = Dissolved oxygen.
DTW = Depth to water.
mg/L = Milligrams per liter.
--- = Reading not taken.

TABLE 7
AIR SPARGE/DUAL-PHASE EXTRACTION TESTS - SOIL VAPOR ANALYTICAL RESULTS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Extraction Well	Sample ID	Sampling Date	Sampling Time	TPHg (mg/m^3)	MTBE (mg/m^3)	B (mg/m^3)	T (mg/m^3)	E (mg/m^3)	X (mg/m^3)	1,2-DCA (mg/m^3)	EDB (mg/m^3)	TBA (mg/m^3)	DIPE (mg/m^3)	ETBE (mg/m^3)	TAME (mg/m^3)
DPE Feasibility Test - Well MW6H															
MW6H	V-INF-MW6H-1	01/14/14	10:30	7,500	<2.9	37	<7.5	12	21	<0.81	<1.5	<6.1	<3.3	<3.3	<3.3
MW6H	V-INF-MW6H-2	01/14/14	12:30	5,000	<1.4	18	7.5	8.5	20	<0.40	<0.77	<3.0	<1.7	<1.7	<1.7
DPE Feasibility Test - Well MW6Ka															
MW6Ka	V-INF-MW6Ka-1	01/14/14	13:15	3,300	<1.2	27	4.0	11	36	<0.32	<0.61	<2.4	<1.3	<1.3	<1.3
MW6Ka	V-INF-MW6Ka-2	01/14/14	15:00	3,500	<1.2	29	6.4	13	41	<0.32	<0.61	<2.4	<1.3	<1.3	<1.3
DPE Feasibility Test - Well MW6B															
MW6B	V-INF-MW6B-1	01/14/14	15:30	1,400	<0.72	1.7	<1.9	1.2	3.2	<0.20	<0.38	<1.5	<0.84	<0.84	<0.84
MW6B	V-EFF-MW6B	01/14/14	17:15	27	<0.0072	0.0070	<0.019	0.0031	0.014	<0.0020	<0.0038	<0.015	<0.0084	<0.0084	<0.0084
MW6B	V-INF-MW6B-2	01/14/14	17:20	2,800	<0.72	5.5	<1.9	2.3	4.5	<0.20	<0.38	<1.5	<0.84	<0.84	<0.84
DPE Feasibility Test - Well MW6Kb															
MW6Kb	V-INF-MW6Kb-1	01/15/14	8:45	3,800	<0.72	9.1	<1.9	3.2	6.6	0.27	<0.38	<1.5	<0.84	<0.84	<0.84
MW6Kb	V-INF-MW6Kb-2	01/15/14	10:30	5,900	<1.2	21	18	9.3	32	0.42	<0.61	<2.4	<1.3	<1.3	<1.3
DPE Feasibility Test - Well MW6Lb															
MW6Lb	V-INF-MW6Lb-1	01/15/14	11:15	390	<0.72	27	<1.9	1.3	3.4	0.45	<0.38	<1.5	<0.84	<0.84	<0.84
MW6Lb	V-INF-MW6Lb-2	01/15/14	13:00	1,100	0.24	81	3.9	6.0	11	0.088	<0.096	<0.38	<0.21	<0.21	<0.21
DPE Feasibility Test - Well MW6La															
MW6La	V-INF-MW6La-1	01/15/14	13:45	2,900	<0.72	18	26	4.7	16	0.29	<0.38	<1.5	<0.84	<0.84	<0.84
MW6La	V-INF-MW6La-2	01/15/14	15:45	a	a	a	a	a	a	a	a	a	a	a	a
Combined AS/DPE Feasibility Test - Wells MW6B, MW6H, MW6Ka, and MW6La (DPE) and Wells MW6Kb and MW6Lb (AS)															
Combined Test	V-INF-DPE-1	01/16/14	10:45	2,400	<0.72	16	12	4.0	17	0.30	<0.38	<1.5	<0.84	<0.84	<0.84
Combined Test	V-INF-DPE-2	01/16/14	13:30	5,100	<1.4	31	12	12	39	<0.40	<0.77	<3.0	<1.7	<1.7	<1.7
Combined Test	V-INF-DPE-3	01/16/14	13:55	5,000	<1.4	21	9.1	11	39	0.52	<0.77	<3.0	<1.7	<1.7	<1.7
Combined Test	V-INF-DPE-4	01/16/14	14:45	9,900	<1.4	27	14	12	38	<0.40	<0.77	<3.0	<1.7	<1.7	<1.7
Combined Test	V-INF-DPE-5	01/16/14	22:00	6,400	<1.4	34	20	14	45	<0.40	<0.77	<3.0	<1.7	<1.7	<1.7
Combined Test	V-INF-DPE-6	01/17/14	1:30	6,300	<1.4	30	20	12	38	<0.40	<0.77	<3.0	<1.7	<1.7	<1.7
Combined Test	V-INF-DPE-7	01/17/14	6:30	6,000	<1.4	31	21	12	35	<0.40	<0.77	<3.0	<1.7	<1.7	<1.7
Combined Test	V-INF-DPE-8	01/17/14	6:45	8,100	<1.4	26	18	10	31	<0.40	<0.77	<3.0	<1.7	<1.7	<1.7
Combined Test	V-DSCHG	01/17/14	10:28	40	<0.0072	0.038	0.026	0.014	0.054	<0.0020	<0.0038	<0.015	<0.0084	<0.0084	<0.0084
Combined Test	V-INF-DPE-9	01/17/14	10:29	6,500	<1.4	35	26	16	50	<0.40	<0.77	<3.0	<1.7	<1.7	<1.7

TABLE 7
AIR SPARGE/DUAL-PHASE EXTRACTION TESTS - SOIL VAPOR ANALYTICAL RESULTS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Notes:

TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method TO-3M.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method TO-15M.
BTEX	=	Benzene, to DPE Test
1,2-DCA	=	1,2-dibromoethane analyzed using EPA Method TO-15M.
EDB	=	1,2-dichloroethane analyzed using EPA Method TO-15M.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method TO-15M.
DIPE	=	Di-isopropyl ether analyzed using EPA Method TO-15M.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method TO-15M.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method TO-15M.
mg/m^3	=	Milligrams per cubic meter.
<	=	Less than the stated laboratory reporting limit.
a	=	Insufficient sample volume to perform analysis.

TABLE 8
AIR SPARGE/DUAL-PHASE EXTRACTION TESTS - GROUNDWATER ANALYTICAL RESULTS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Extraction Well	Sample ID	Sampling Date	Sampling Time	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)
MW6B	W-MW6B	01/13/14	15:45	87b	<0.50	<0.50	<0.50	<0.50	22	<5.0	1.4	<0.50	<0.50	<0.50	<0.50	<50
MW6B	W-MW6B	01/17/14	12:40	290	27	4.7	9.6	45	6.0	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<50
MW6H	W-MW6H	01/13/14	15:55	2,000	440	21	<10	11	16	<100	<10	<10	<10	<10	<10	<1,000
MW6H	W-MW6H	01/17/14	12:45	39,000	4,700	1,500	2,900	10,000	180	<100	<10	<10	<10	<10	<10	<1,000
MW6Ka	W-MW6Ka	01/13/14	---	a	a	a	a	a	a	a	a	a	a	a	a	a
MW6Ka	W-MW6Ka	01/17/14	---	a	a	a	a	a	a	a	a	a	a	a	a	a
MW6Kb	W-MW6Kb	01/13/14	16:05	1,100	59	3.8	7.1	5.0	12	<10	1.6	<1.0	<1.0	<1.0	<1.0	<100
MW6Kb	W-MW6Kb	01/17/14	12:50	110b	<0.50	<0.50	<0.50	2.0	2.6	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<50
MW6La	W-MW6La	01/13/14	---	a	a	a	a	a	a	a	a	a	a	a	a	a
MW6La	W-MW6La	01/17/14	---	a	a	a	a	a	a	a	a	a	a	a	a	a
MW6Lb	W-MW6Lb	01/13/14	16:15	330b	92	<2.0	<2.0	<2.0	7.8	<20	3.3	<2.0	<2.0	<2.0	<2.0	<200
MW6Lb	W-MW6Lb	01/17/14	12:55	130b	19	0.66	<0.50	1.3	5.5	<5.0	1.7	<0.50	<0.50	<0.50	<0.50	<50

Notes:

TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl 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.
µg/L	=	Micrograms per liter.
<	=	Less than the stated laboratory reporting limit.
---	=	Not sampled.
a	=	Well dry.
b	=	The chromatographic pattern does not match of that of the specified standard.

TABLE 9
AIR SPARGE/DUAL-PHASE EXTRACTION TESTS - VAPOR-PHASE HYDROCARBON REMOVAL
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Extraction Well	Sample ID	Sampling Date	Sampling Time	Hours of Operation	Field Measurements: Temp (deg F)	Press ("H2O)	Flow (scfm)	PID (ppmv)	Laboratory Analytical Results: TPHg (mg/m3)	MTBE (mg/m3)	Benzene (mg/m3)	TPHg Removal: Period (pounds)	Cumulative (pounds)	MTBE Removal: Period (pounds)	Cumulative (pounds)	Benzene Removal: Period (pounds)	Cumulative (pounds)
DPE Feasibility Test - Well MW6H																	
MW6H	V-INF-MW6H-1	01/14/14	10:30	0.00	67	1	35.1	182	7,500	<2.9	37	0.000	0.000	<0.000	<0.000	0.000	0.000
MW6H	V-INF-MW6H-2	01/14/14	12:30	2.00	72	1	78.4	8,044	5,000	<1.4	18	2.653	2.653	<0.001	<0.001	0.012	0.012
DPE Feasibility Test - Well MW6Ka																	
MW6Ka	V-INF-MW6Ka-1	01/14/14	13:15	0.25	69	1	86.7	10,411	3,300	<1.2	27	0.004	0.004	<0.000	<0.000	0.000	0.000
MW6Ka	V-INF-MW6Ka-2	01/14/14	15:00	2.00	69	11	90.1	10,487	3,500	<1.2	29	1.967	1.972	<0.001	<0.001	0.016	0.016
DPE Feasibility Test - Well MW6B																	
MW6B	V-INF-MW6B-1	01/14/14	15:30	0.25	69	3	44.0	1,587	1,400	<0.72	1.7	0.001	0.001	<0.000	<0.000	0.000	0.000
MW6B	V-INF-MW6B-2	01/14/14	17:20	2.00	70	3	42.7	4,915	2,800	<0.72	5.5	0.596	0.597	<0.000	<0.000	0.001	0.001
DPE Feasibility Test - Well MW6Kb																	
MW6Kb	V-INF-MW6Kb-1	01/15/14	8:45	0.25	63	0.5	3.8	6,117	3,800	<0.72	9.1	0.000	0.000	<0.000	<0.000	0.000	0.000
MW6Kb	V-INF-MW6Kb-2	01/15/14	10:30	2.00	77	0	7.8	10,664	5,900	<1.2	21	0.184	0.184	<0.000	<0.000	0.001	0.001
DPE Feasibility Test - Well MW6Lb																	
MW6Lb	V-INF-MW6Lb-1	01/15/14	11:15	0.25	73	5	11.5	699	390	<0.72	27	0.000	0.000	<0.000	<0.000	0.000	0.000
MW6Lb	V-INF-MW6Lb-2	01/15/14	13:00	2.00	76	0	1.7	5,852	1,100	0.24	81	0.032	0.032	<0.000	<0.000	0.002	0.002
DPE Feasibility Test - Well MW6La																	
MW6La	V-INF-MW6La-1	01/15/14	13:45	0.25	73	2	37.8	10,331	2,900	<0.72	18	0.002	0.002	<0.000	<0.000	0.000	0.000
MW6La	V-INF-MW6La-2	01/15/14	15:45	2.00	73	0	26.8	2,356	a	a	a	---	---	---	---	---	---
Combined AS/DPE Feasibility Test - Wells MW6B, MW6H, MW6Ka, and MW6La (DPE) and Wells MW6Kb and MW6Lb (AS)																	
Combined Test	V-INF-DPE-1	01/16/14	10:45	0.25	61	5	65.7	6,567	2,400	<0.72	16	0.002	0.002	<0.000	<0.000	0.000	0.000
Combined Test	V-INF-DPE-9	01/17/14	10:29	24.00	52	6.5	64.1	10,767	6,500	<1.4	35	25.654	25.656	<0.006	<0.006	0.147	0.147
											Total Removed from DPE Feasibility Tests:		**5.440**		**<0.002**		**0.032**
											Total Removed from Combined AS/DPE Feasibility Test:		**25.656**		**<0.006**		**0.147**
											Total Removed:		**31.096**		**<0.008**		**0.179**

TABLE 9
AIR SPARGE/DUAL-PHASE EXTRACTION TESTS - VAPOR-PHASE HYDROCARBON REMOVAL
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Notes:	Removal rates are calculated using SOP-25: "Hydrocarbons Removed from A Vadose Well."	
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method TO-3M.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method TO-15M.
Benzene	=	Benzene analyzed using EPA Method TO-15M.
deg F	=	Degrees Fahrenheit.
psi	=	Pounds per square inch.
in H2O	=	Inches of water column.
scfm	=	Standard cubic feet per minute.
mg/m^3	=	Milligrams per cubic meter.
ppmv	=	Parts per million by volume.
<	=	Less than the stated laboratory reporting limit.
a	=	Insufficient sample volume to perform analysis.

TABLE 10
AIR SPARGE/DUAL-PHASE EXTRACTION TESTS - DISSOLVED-PHASE HYDROCARBON REMOVAL
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Extraction Well	Sampling Date	Sampling Time	Hours of Operation (hours)	Totalizer Reading (gallons)	Gallons Pumped (gallons)	Average Flow Rate (gpm)	Laboratory Analytical Results			TPHg Removal		MTBE Removal		Benzene Removal	
							TPHg (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Per Period (pounds)	Cumulative (pounds)	Per Period (pounds)	Cumulative (pounds)	Per Period (pounds)	Cumulative (pounds)
W-MW6B	01/13/14	15:45	0	9,045,240	0.0	---	87b	22	<0.50	0.000	0.000	0.000	0.000	<0.000	<0.000
W-MW6B	01/17/14	12:40	26	9,045,827	587	0.38	290	6.0	27	0.001	0.001	0.000	0.000	<0.000	<0.000
W-MW6H	01/13/14	15:55	0	9,045,240	0.0	---	2,000	16	440	0.000	0.000	0.000	0.000	0.000	0.000
W-MW6H	01/17/14	12:45	26	9,045,827	587	0.38	39,000	180	4,700	0.100	0.100	0.000	0.000	0.013	0.013
W-MW6Ka	01/13/14	---	0	9,045,240	0.0	---	a	a	a	---	---	---	---	---	---
W-MW6Ka	01/17/14	---	26	9,045,827	587	0.38	a	a	a	---	---	---	---	---	---
W-MW6Kb	01/13/14	16:05	0	9,045,240	0.0	---	1,100	12	59	0.000	0.000	0.000	0.000	0.000	<0.000
W-MW6Kb	01/17/14	12:50	24	9,045,827	587	0.41	110b	2.6	<0.50	0.003	0.003	0.000	0.000	<0.000	<0.000
W-MW6La	01/13/14	---	0	9,045,240	0.0	---	a	a	a	---	---	---	---	---	---
W-MW6La	01/17/14	---	26	9,045,827	587	0.38	a	a	a	---	---	---	---	---	---
W-MW6Lb	01/13/14	16:15	0	9,045,240	0.0	---	330b	7.8	92	0.000	0.000	0.000	0.000	0.000	0.000
W-MW6Lb	01/17/14	12:55	24	9,045,827	587	0.41	130b	5.5	19	0.001	0.001	0.000	0.000	0.000	0.000
									Total Removed:		**0.105**		**0.001**		**<0.013**

Notes:
TPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8260B.
Benzene = Benzene analyzed using EPA Method 8260B.
gpm = Gallons per minute.
µg/L = Micrograms per liter.
< = Less than the stated laboratory reporting limit.
--- = Not measured.
a = Well dry.
b = The chromatographic pattern does not match of that of the specified standard.

APPENDIX A

CORRESPONDENCE

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

September 27, 2013

Ms. Jennifer Sedlachek
ExxonMobil
4096 Piedmont Ave.
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:

Alameda County Environmental Health (ACEH) staff has reviewed the case file including the *Well Installation Report and Work Plan for Feasibility Testing*, dated August 28, 2013, which was prepared by Cardno ERI for the subject site on your behalf. The report presents the results of the remediation well installation and recommends using the newly-installed wells to conduct additional feasibility testing prior to submitting a revised feasibility study/ corrective action plan (FS/CAP). The tests will evaluate if dual phase extraction (DPE) or a combination of airsparge (AS) and DPE would better reduce petroleum hydrocarbons in soil and groundwater in this area.

ACEH generally concurs with the proposed scope of work and requests that you address the following technical comments, perform the proposed work, and send us the technical reports described below.

TECHNICAL COMMENTS

1. **Pilot Test Results Report –** Please conduct the DPE/AS tests and report the results in the pilot test report by the due date requested below.

2. **Groundwater Monitoring –** Please begin quarterly post remedial monitoring after conducting the DPE/AS tests for the analytes listed in the approved groundwater monitoring plan in accordance with the schedule below.

TECHNICAL REPORT REQUEST

Please upload technical reports to ACEH's ftp site and to the State Water Resources Control Board's Geotracker website, in accordance with the specified file naming convention below.

- **November 15, 2013 –** Groundwater Monitoring Report (2nd Semi-Annual) (File to be named: GWM_R_yyyy-mm-dd)

- **February 15, 2014 –** Groundwater Monitoring Report (1st Quarter) (File to be named: GWM_R_yyyy-mm-dd)

- **February 27, 2014 –** Pilot Test Results Report
  (File to be named IR_R_yyyy-mm-dd)

- **May 15, 2014 –** Groundwater Monitoring Report (2nd Quarter) (File to be named: GWM_R_yyyy-mm-dd)

- **August 15, 2014 –** Groundwater Monitoring Report (3rd Quarter) (File to be named: GWM_R_yyyy-mm-dd)

Should you have any questions or concerns regarding this correspondence or your case, please contact Dilan Roe at (510) 567-6767 or send her an electronic mail message at dilan.roe@acgov.org as I will be transferring out of the Local Oversight Program on September 27, 2013.

Sincerely,

Digitally signed by Barbara J. Jakub
DN: cn=Barbara J. Jakub, o, ou, email=barbara.jakub@acgov.org, c=US
Date: 2013.09.27 10:09:22 -07'00'

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

Enclosure: Responsible Party(ies) Legal Requirements/Obligations
ACEH Electronic Report Upload (ftp) Instructions

cc: Rebekah Westrup, Cardno ERI, 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*)
Dilan Roe, ACEH (*Sent via E-mail to: dilan.roe@acgov.org*)
Barbara Jakub, ACEH (*Sent via E-mail to: barbara.jakub@acgov.org*)
GeoTracker
File

APPENDIX B

PROTOCOLS AND SOPS

Cardno ERI
Shaping the Future

Cardno ERI
Dual-Phase Extraction Test
Field Protocol

Dual-phase extraction (DPE) consists of extracting vapor and liquid through the same conduit. If vapor phase, dissolved phase and separate phase contaminants are all present, the procedure is often referred to as multi-phase extraction. Testing procedures are the same for both.

Objective

The objective of a DPE test is often two-fold: 1) to determine the radius of influence (ROI) and obtain engineering data for evaluation of future remediation options at the site, and 2) to accomplish mass removal of hydrocarbons by removing both soil vapor and groundwater from one or more wells.

Cardno ERI utilizes a DPE mobile treatment system that has the capability of removing hydrocarbon-affected groundwater and soil vapor simultaneously. Vacuum may be provided by various types of blowers - a liquid ring pump (high vacuum for tight formations – 10 to 25 inches of mercury) or positive displacement or regenerative blowers (modest vacuum for sandy formations – 3 to 12 inches of mercury). Hydrocarbon vapor is treated on site with a thermal/catalytic oxidizer, which has been approved for operation by the local air pollution control agency. As an alternative, for sites with low soil vapor concentrations, Cardno ERI uses activated carbon to treat the extracted soil vapor.

Phase I – DPE Test to Obtain Engineering Data

For the extraction well, one groundwater well is selected near the center of the area to be tested. Usually this is a zone containing high levels of hydrocarbons. A wellhead assembly is installed as shown on Plate DPE-1 (attached). Vacuum is measured in three places: 1) at V_o to monitor the performance of the blower and to estimate flow from the pump curve, 2) at V_1 to determine the vacuum being applied to the formation, and 3) at V_2 to determine the line loss in the stinger and to be sure a standing head of water has not developed in the vacuum stinger tube. Vapor flow rates are measured and vapor samples are collected for analysis after vapor passes through the phase separator and blower.

Observation wells are selected at various distances from the extraction well. It may be necessary to drill additional observation wells if the existing wells are too far away from the extraction well to observe an induced vacuum and/or a water level decrease. If groundwater is present, the wells are equipped with a wellhead seal and a stinger tube as shown on Plate DPE-2 (Wells #3 and #4) (attached). The induced vacuum is periodically measured at V_3 and V_4 during the test using magnehelic gauges or other calibrated meters to determine the effective ROI for vapor extraction, and the values are recorded. The log of the induced vacuum is plotted against the distance from the extraction well to the observation well. The effective ROI is taken as the distance where the induced vacuum would be 0.5 inches of water.

The change in liquid level is measured in the stinger tube using a water level meter to an accuracy of 0.01 foot, and recorded to determine the hydraulic gradient and establish an ROI for groundwater capture. Various hydraulic models are used to determine a capture zone with respect to groundwater flow direction and gradient.

Note: Observation wells #1 and #2 on Plate DPE-2 are included for information to show the effect of removing only vapor from an extraction well. There would be an induced rise of the water level in the well due to vacuum, but the level in the stinger tube would not change because it is still under atmospheric pressure, indicating no hydraulic gradient and thus no net flow of groundwater toward the extraction well.

The test is run until the induced vacuum and depth to water in the observation wells stabilize – usually 4 to 8 hours. Stabilization is said to be reached when readings do not change more than 10% for three consecutive hourly

observations. The test for engineering data may be repeated on other extraction wells if there is an indication that the site stratigraphy may not be uniform.

Prior to starting Phase I of the DPE test, Cardno ERI performs the following tasks:

1. Collect groundwater samples from the extraction well(s).

2. Install a stinger tube in the extraction well, extending to approximately 1-2 feet above the total depth of each well. An aboveground hose, covered by a temporary ramp in traffic areas, is used to connect the wellhead assembly from the extraction well to the treatment system.

3. Install dip tubes in each observation well containing groundwater approximately 3 to 4 feet into groundwater.

4. Measure distances from each observation well to the extraction well.

5. Connect the extraction well to the phase separator on the unit.

6. Calibrate and install magnehelic gauges on all test wells to measure vacuum (in inches of water) and a flow meter [in cubic feet per minute (cfm)] at the extraction well.

7. Install a sample port after the phase separator and blower to sample the influent vapor stream.

8. Install a flow meter on the pressure side of the blower.

During Phase I of the DPE test, Cardno ERI performs the following tasks:

1. Check and change magnehelic gauges as needed to obtain readings in each gauge's scale range.

2. Record the following values:

   - Soil vapor influent concentrations at the unit on the pressure side of the blower
   - Vacuum readings at the extraction well
   - Vacuum readings at each observation well
   - Flow readings at the unit on the pressure side of the blower
   - Volume of groundwater extracted
   - Hour meter reading on the extraction unit
   - Water levels in each observation well containing groundwater

   The soil vapor concentrations are measured using a photo-ionization detector or a lower explosive limit meter. The meter is calibrated on a daily basis using a hexane or isobutylene standard. The calibration gas and concentration, and the well and system influent measurements are recorded.

   For very concentrated vapor streams, dilution air will be added and measured with a rotameter or pitot tube.

3. Pump water periodically from the phase separator into a holding tank.

4. Collect samples in a Tedlar® bag from the influent vapor stream for analysis by a client-approved, state-certified laboratory under proper storage, shipment and chain-of-custody (COC) protocol. Samples are always stored out of direct sunlight. No ice is placed in the cooler, and the COC is placed inside the cooler. At a minimum, samples are typically collected at the beginning and end of Phase I.

Phase II – DPE for Mass Removal

For mass removal, one or more groundwater wells are selected near the center of the area containing the highest hydrocarbons. Wellhead fittings as shown on Plate DPE-1 are placed on each extraction well. If more than one well is used for extraction, the total vacuum will be reduced. Care is exercised to ensure that a reasonable ROI is maintained.

Total vapor flow is measured on the pressure side of the blower and the measured flow rate is checked against the blower curve. Vapor samples are collected periodically in a Tedlar® bag for analysis on the pressure side of the blower, usually at the beginning, middle and end of an extended test.

Water is collected in tank(s) for later off-site disposal or treated on site with carbon adsorption through a properly permitted unit. The water produced is measured with a totalizer or by recording the level in the tank(s).

The mass of constituents removed with the soil vapor is calculated and tabulated using vapor flow rates and constituent concentrations; the mass of constituents removed with groundwater is calculated and tabulated using water volume and constituent concentrations.

Prior to starting Phase II of the DPE test, Cardno ERI performs the same tasks involving the extraction well(s) and the unit as prior to Phase I with the following modifications:

1. Connect the extraction well(s) to a manifold to provide individual well control as necessary during this portion of the test.

2. Install a sample port at each extraction well to sample soil vapor at each wellhead.

During Phase II of the DPE test, Cardno ERI performs the following tasks:

1. Record the same values for the extraction well(s) and the unit with the following modification:

   - Record soil vapor concentrations at each extraction well, if feasible

2. Pump water periodically from the phase separator into a holding tank.

3. Collect influent vapor stream samples for laboratory analysis as described in Phase I.

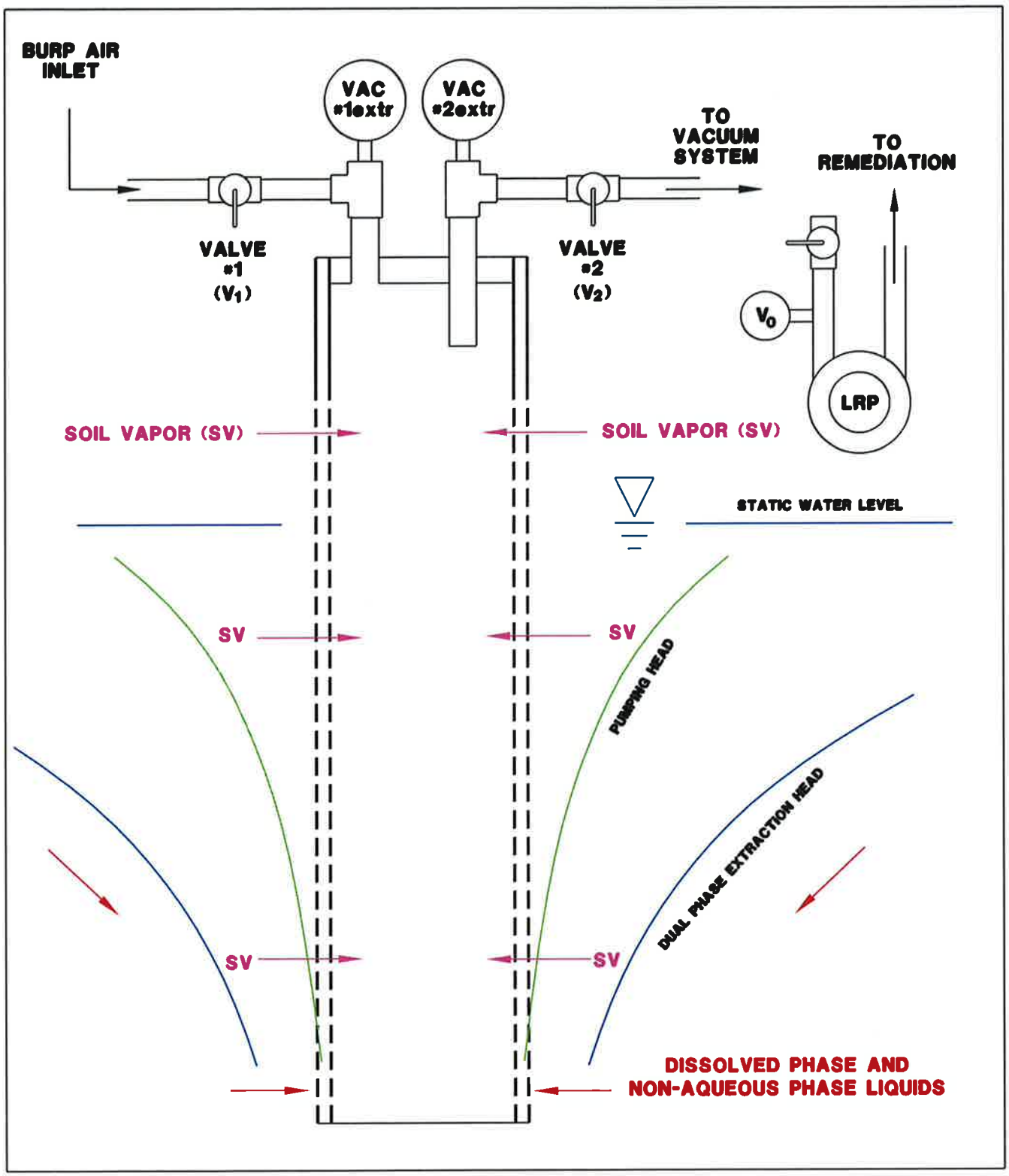
4. Collect groundwater samples periodically and at the end of Phase II for analysis of constituents of concern or those required by the permit. Submit groundwater samples collected during Phases I and II to a client-approved, state-certified laboratory under proper storage, shipment and COC protocol.

Groundwater Disposal

Extracted groundwater is treated at a client- and regulatory-approved facility, treated with a permitted mobile carbon treatment system, or transported off site in a truck or trailer-mounted tank and disposed of in accordance with regulatory requirements.

At the end of the DPE test and following receipt of the analytical results, Cardno ERI prepares a report summarizing the field and laboratory procedures, presenting the laboratory and feasibility testing results, providing mass removal calculations, and discussing conclusions and recommendations.

Attachments: Plate DPE-1 – Example Dual-Phase Extraction Wellhead Assembly
Plate DPE-2 – Example Observation Well Responses



FN Example DPE-EXTR

Cardno ERI
Shaping the Future

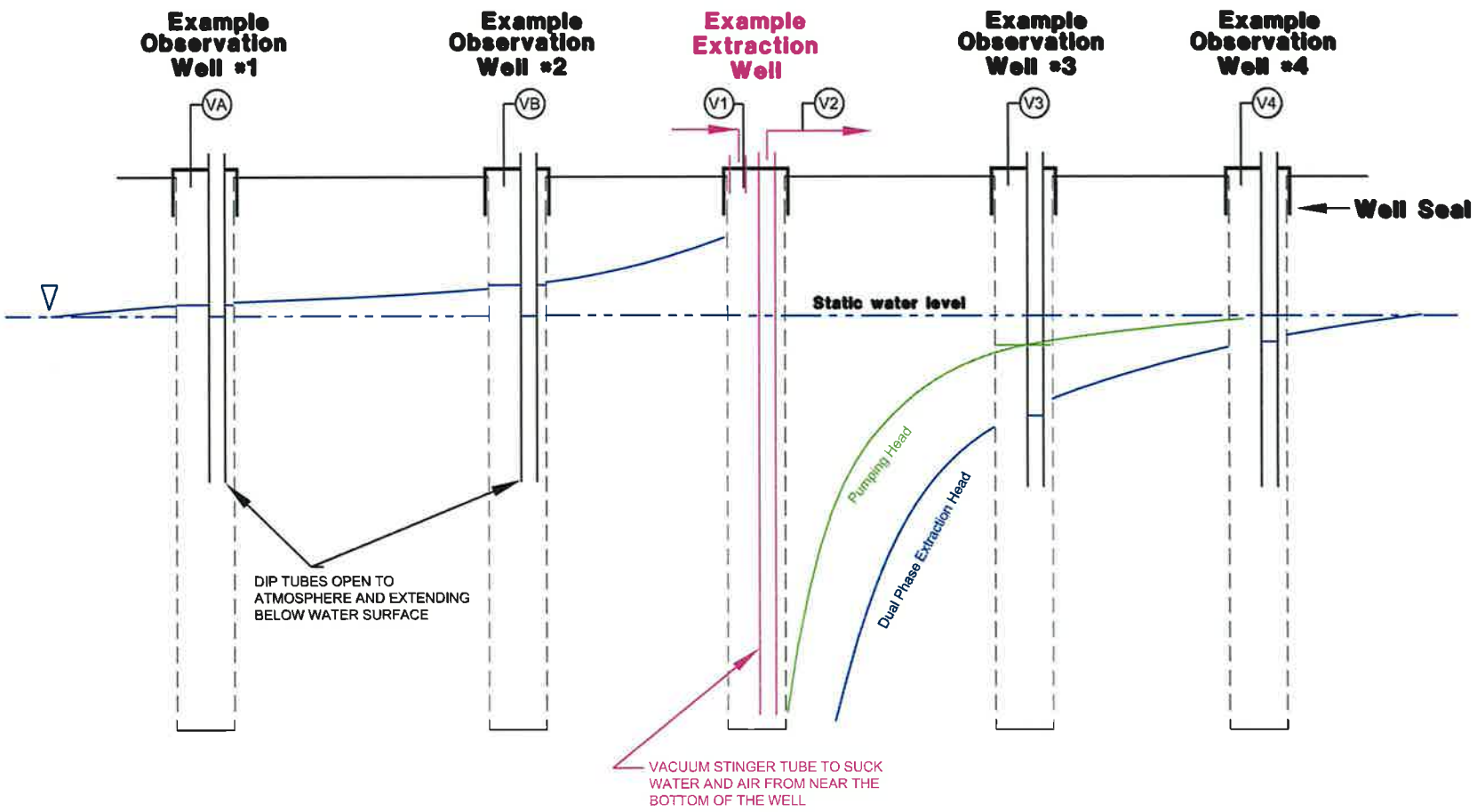
EXAMPLE DUAL-PHASE EXTRACTION WELLHEAD ASSEMBLY

Cardno ERI
25371 Commercentre Drive, Suite 250
Lake Forest, California 92630

PROJECT NO. DPE-1

PLATE DPE-1

DATE: 01/10/11



Note: water level in the dip tube can be different from water level in the formation

FN Example DPE-OBSER-2

Cardno ERI
Shaping the Future

EXAMPLE OBSERVATION WELL RESPONSES

Cardno ERI
25371 Commercentre Drive, Suite 250
Lake Forest, California 92630

EXPLANATION

(V1) Vacuum applied at example extraction well

(V3) Induced vacuum observed at example observation well #3

PROJECT NO.
DPE

PLATE
DPE-2

DATE: 01/10/11

HYDROCARBON REMOVAL FROM A VADOSE WELL
SOP-25
Rev: JO'C

POUNDS OF HYDROCARBON IN A VAPOR STREAM

INPUT DATA:
1) Vapor flow rate acfm (usually by Pitot tube)
2) Vapor pressure at the flow measuring device (in inches of H_2O) (use {-} for vacuum)
3) Vapor temperature at the flow-measuring device.
4) Hydrocarbon content of vapor (usually in mg/M^3) for ppmv you need molecular weight.
5) Length of time (usually hours) over which flow rate occurred)

From periodic measurements, a calculation of total pounds of hydrocarbons removed from a well or from a system is calculated. The input data listed above are measured at a point in time. To calculate quantities removed, some assumptions must be made about what was happening between measurements. The following assumptions will be used for the sake of consistency:

ASSUMPTIONS:
1) Vapor flow for the period equals the average of the initial and final reading for the period.
2) Pressure and temperature for the entire period will be the final reading.
3) Hydrocarbon concentration for the period equals the average of the initial and final reading.
4) The hours of operation can be taken from an hour meter, an electric meter or will be assumed to be equal to the time between measurements.
5) If the unit is found down - try to determine how many hours it did operate and use the data taken for the previous period to make the calculations. Restart the unit and then take data to start the next period.

SAMPLE DATA AND CALCULATIONS

Date	Time	Temp deg F	Press in H_2O	HC conc mg/M3	Vapor flow acfm	Calc. lb. rem.
1/6/95	11:00	70	-46	2000	120	
1/7/95	13:00	55	-50	1350	90	
1/8/95	10:00	80	-13	750	100	7.4

Calculate the pounds of hydrocarbon removed from the system during the basis period from 13:00 (1:00 pm) on the 7th to 10 am on the 8th. Pressure and temperature of the measurements (at the flow meter) must be corrected to the P and T used to report the HC concentration (which are P = 1 atm and T = 70 deg F). 1 atm = 14.7psia, 760 mm Hg, or 407 in H_2O. T_{abs} = 460 + T deg F

Hours of operation = 21, T = 80, P = -13, HC = (1350+750)/2 = 1050 mg/M^3, Flow = 95

$$21 \times 60 \times 95 \times \frac{(460+70)}{(460+80)} \times \frac{(407-13)}{407} \times \frac{28.3}{1000} \times \frac{1050}{1000} \times \frac{1}{454} = 7.4 \text{ lb}$$

$$\frac{\text{hr}}{\text{basis}} \times \frac{\text{min}}{\text{hr}} \times \frac{\text{cu ft}}{\text{min}} \times T_{Corr} \times P_{Corr} \times \frac{M^3}{\text{cu ft}} \times \frac{\text{g}}{M^3} \times \frac{\text{lb}}{\text{g}} = \frac{\text{lb}}{\text{basis}}$$

$$21 \times 60 \times 95 \times 0.98 \times 0.97 \times 0.0283 \times 1.050 \times 1/454 = 7.4 \text{ lb.}$$

cumulative lbs. (the running total) = the sum of all the previous periods.
Note: If results are given in ppm, an assumption about the molecular weight of the hydrocarbon must be made to convert ppm into mg/M^3. ppmv x molecular wt. /24.1 = mg/M^3. (Use 102 for gasoline)

GROUNDWATER SAMPLING PROTOCOL

The static water level and separate-phase product level, if present, in each well that contained water and/or separate-phase product are measured with a ORS Interface Probe, which is accurate to the nearest 0.01 foot. To calculate groundwater elevations and evaluate groundwater gradient, depth to water (DTW) levels are subtracted from top of casing elevations.

Groundwater samples collected for subjective evaluation are collected by gently lowering approximately half the length of a clean Teflon® or polypropylene bailer past the air-water interface (if possible) and collecting a sample from near the surface of the water in the well. The samples are checked for measurable free-phase hydrocarbons or sheen. If appropriate, free-phase hydrocarbons are removed from the well.

Before water samples are collected from the groundwater monitoring wells, the wells are purged until a minimum of three well casing volumes is purged and stabilization of the temperature, pH, and conductivity is obtained. Water samples from the wells that do not obtain stability of the temperature, pH, and conductivity are considered to be "grab samples." The quantity of water purged from each well is calculated as follows:

1 well casing volume = $\pi r^2 h(7.48)$ where:

r	=	radius of the well casing in feet
h	=	column of water in the well in feet (depth to bottom - depth to water)
7.48	=	conversion constant from cubic feet to gallons
π	=	ratio of the circumference of a circle to its diameter

Gallons of water purged/gallons in 1 well casing volume = well casing volumes removed.

After purging, each well is allowed to recharge to at least 80% of the initial water level. Water samples from wells that do not recover at least 80% (due to slow recharging of the well) between purging and sampling are considered to be "grab samples." Water samples are collected with a new, disposable Teflon® or polypropylene bailer. The groundwater is carefully poured into selected sample containers (40-milliliter [ml] glass vials, 1,000-ml glass amber bottles, etc.), which are filled so as to produce a positive meniscus.

Depending on the required analysis, each sample container is preserved with hydrochloric acid, nitric acid, etc., or it is preservative free. The type of preservative used for each sample is specified on the Chain-of-Custody record.

Each vial and glass amber bottle is sealed with a cap containing a Teflon® septum, and subsequently examined for air bubbles to avoid headspace, which would allow volatilization to occur. The samples are promptly transported in iced storage in a thermally-insulated ice chest, accompanied by a Chain-of-Custody record, to a California state-certified laboratory.

APPENDIX C

LABORATORY ANALYTICAL REPORTS

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 14-01-0748

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 70235/022229C

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

RECEIVED
JAN 27 2014
BY: .....

Cecile deGuia

Approved for release on 01/27/2014 by:
Cecile deGuia
Project Manager

ResultLink ▸

Email your PM ▸

Calscience Environmental Laboratories, Inc.

Contents

Client Project Name: ExxonMobil 70235/022229C
Work Order Number: 14-01-0748

Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 14-01-0748

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 01/15/14. They were assigned to Work Order 14-01-0748.

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 a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

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:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Attn: Rebekah Westrup

Work Order:	14-01-0748
Project Name:	ExxonMobil 70235/022229C
PO Number:	022229C
Date/Time Received:	01/15/14 09:30
Number of Containers:	24

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
W-MW6B	14-01-0748-1	01/13/14 15:45	6	Aqueous
W-MW6H	14-01-0748-2	01/13/14 15:55	6	Aqueous
W-MW6Kb	14-01-0748-3	01/13/14 16:05	6	Aqueous
W-MW6Lb	14-01-0748-4	01/13/14 16:15	6	Aqueous

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Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 01/15/14
Work Order: 14-01-0748
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-MW6B	14-01-0748-1-D	01/13/14 15:45	Aqueous	GC 4	01/16/14	01/17/14 09:28	140116B03

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	87	50	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	79	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6H	14-01-0748-2-D	01/13/14 15:55	Aqueous	GC 4	01/16/14	01/17/14 10:01	140116B03

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	2000	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	80	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6Kb	14-01-0748-3-D	01/13/14 16:05	Aqueous	GC 4	01/16/14	01/17/14 10:34	140116B03

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	1100	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	79	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6Lb	14-01-0748-4-D	01/13/14 16:15	Aqueous	GC 4	01/16/14	01/17/14 11:07	140116B03

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	330	50	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	71	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-436-9085	N/A	Aqueous	GC 4	01/16/14	01/17/14 05:04	140116B03

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	77	38-134	

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: 01/15/14
Work Order: 14-01-0748
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-MW6B	14-01-0748-1-A	01/13/14 15:45	Aqueous	GC/MS L	01/16/14	01/17/14 07:05	140116L04

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1	
Toluene	ND	0.50	1	
Ethylbenzene	ND	0.50	1	
o-Xylene	ND	0.50	1	
p/m-Xylene	ND	0.50	1	
Xylenes (total)	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	22	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	5.0	1	
Diisopropyl Ether (DIPE)	1.4	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	100	68-120	
Dibromofluoromethane	104	80-127	
1,2-Dichloroethane-d4	110	80-128	
Toluene-d8	102	80-120	

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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: 01/15/14
Work Order: 14-01-0748
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-MW6H	14-01-0748-2-A	01/13/14 15:55	Aqueous	GC/MS L	01/16/14	01/17/14 07:33	140116L04

Parameter	Result	RL	DF	Qualifiers
Benzene	440	10	20	
Toluene	21	10	20	
Ethylbenzene	ND	10	20	
o-Xylene	ND	10	20	
p/m-Xylene	11	10	20	
Xylenes (total)	11	10	1	
Methyl-t-Butyl Ether (MTBE)	16	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	103	80-127	
1,2-Dichloroethane-d4	108	80-128	
Toluene-d8	100	80-120	

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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: 01/15/14
Work Order: 14-01-0748
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-MW6Kb	**14-01-0748-3-B**	**01/13/14 16:05**	**Aqueous**	**GC/MS L**	**01/17/14**	**01/17/14 18:13**	**140117L03**

Parameter	Result	RL	DF	Qualifiers
Benzene	59	1.0	2	
Toluene	3.8	1.0	2	
Ethylbenzene	7.1	1.0	2	
o-Xylene	1.2	1.0	2	
p/m-Xylene	3.8	1.0	2	
Xylenes (total)	5.0	1.0	1	
Methyl-t-Butyl Ether (MTBE)	12	1.0	2	
Tert-Butyl Alcohol (TBA)	ND	10	2	
Diisopropyl Ether (DIPE)	1.6	1.0	2	
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	2	
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	2	
Ethanol	ND	100	2	
1,2-Dibromoethane	ND	1.0	2	
1,2-Dichloroethane	ND	1.0	2	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	68-120	
Dibromofluoromethane	103	80-127	
1,2-Dichloroethane-d4	102	80-128	
Toluene-d8	100	80-120	

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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: 01/15/14
Work Order: 14-01-0748
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-MW6Lb	14-01-0748-4-B	01/13/14 16:15	Aqueous	GC/MS L	01/17/14	01/17/14 18:41	140117L03

Parameter	Result	RL	DF	Qualifiers
Benzene	92	2.0	4	
Toluene	ND	2.0	4	
Ethylbenzene	ND	2.0	4	
o-Xylene	ND	2.0	4	
p/m-Xylene	ND	2.0	4	
Xylenes (total)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	7.8	2.0	4	
Tert-Butyl Alcohol (TBA)	ND	20	4	
Diisopropyl Ether (DIPE)	3.3	2.0	4	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	4	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	4	
Ethanol	ND	200	4	
1,2-Dibromoethane	ND	2.0	4	
1,2-Dichloroethane	ND	2.0	4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	68-120	
Dibromofluoromethane	101	80-127	
1,2-Dichloroethane-d4	105	80-128	
Toluene-d8	100	80-120	

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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: 01/15/14
Work Order: 14-01-0748
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	**099-12-884-1121**	**N/A**	**Aqueous**	**GC/MS L**	**01/16/14**	**01/17/14 00:12**	**140116L04**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1	
Toluene	ND	0.50	1	
Ethylbenzene	ND	0.50	1	
o-Xylene	ND	0.50	1	
p/m-Xylene	ND	0.50	1	
Xylenes (total)	ND	0.50	1	
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	100	68-120	
Dibromofluoromethane	108	80-127	
1,2-Dichloroethane-d4	109	80-128	
Toluene-d8	101	80-120	

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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: 01/15/14
Work Order: 14-01-0748
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	**099-12-884-1122**	**N/A**	**Aqueous**	**GC/MS L**	**01/17/14**	**01/17/14 12:18**	**140117L03**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1	
Toluene	ND	0.50	1	
Ethylbenzene	ND	0.50	1	
o-Xylene	ND	0.50	1	
p/m-Xylene	ND	0.50	1	
Xylenes (total)	ND	0.50	1	
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	98	68-120	
Dibromofluoromethane	108	80-127	
1,2-Dichloroethane-d4	113	80-128	
Toluene-d8	107	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
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: ExxonMobil 70235/022229C

Date Received: 01/15/14
Work Order: 14-01-0748
Preparation: EPA 5030C
Method: EPA 8015B (M)
Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-01-0745-1	Sample	Aqueous	GC 4	01/16/14	01/17/14 06:10	140116S02
14-01-0745-1	Matrix Spike	Aqueous	GC 4	01/16/14	01/17/14 06:43	140116S02
14-01-0745-1	Matrix Spike Duplicate	Aqueous	GC 4	01/16/14	01/17/14 07:16	140116S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	2000	1883	94	1888	94	68-122	0	0-18	

RPD: Relative Percent Difference. CL: Control Limits

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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: 01/15/14
Work Order: 14-01-0748
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-01-0747-2	Sample	Aqueous	GC/MS L	01/16/14	01/17/14 00:39	140116S02
14-01-0747-2	Matrix Spike	Aqueous	GC/MS L	01/16/14	01/17/14 04:21	140116S02
14-01-0747-2	Matrix Spike Duplicate	Aqueous	GC/MS L	01/16/14	01/17/14 04:43	140116S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	10.00	10.67	107	10.17	102	76-124	5	0-20	
Toluene	ND	10.00	10.30	103	9.665	97	80-120	6	0-20	
Ethylbenzene	ND	10.00	10.26	103	9.771	98	78-126	5	0-20	
o-Xylene	ND	10.00	9.661	97	9.230	92	70-130	5	0-30	
p/m-Xylene	ND	20.00	19.40	97	18.68	93	70-130	4	0-30	
Methyl-t-Butyl Ether (MTBE)	0.5598	10.00	10.99	104	10.55	100	67-121	4	0-49	
Tert-Butyl Alcohol (TBA)	ND	50.00	52.93	106	49.11	98	36-162	8	0-30	
Diisopropyl Ether (DIPE)	ND	10.00	9.348	93	9.202	92	60-138	2	0-45	
Ethyl-t-Butyl Ether (ETBE)	ND	10.00	11.74	117	11.32	113	69-123	4	0-30	
Tert-Amyl-Methyl Ether (TAME)	ND	10.00	10.81	108	10.23	102	65-120	6	0-20	
Ethanol	ND	100.0	102.5	102	100.2	100	30-180	2	0-72	
1,2-Dibromoethane	ND	10.00	10.89	109	10.45	104	80-120	4	0-20	
1,2-Dichloroethane	ND	10.00	11.34	113	10.64	106	80-120	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: 01/15/14
Work Order: 14-01-0748
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-01-0865-1	Sample	Aqueous	GC/MS L	01/17/14	01/17/14 12:45	140117S01
14-01-0865-1	Matrix Spike	Aqueous	GC/MS L	01/17/14	01/17/14 15:02	140117S01
14-01-0865-1	Matrix Spike Duplicate	Aqueous	GC/MS L	01/17/14	01/17/14 15:29	140117S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	10.00	9.295	93	10.14	101	76-124	9	0-20	
Toluene	ND	10.00	10.36	104	10.06	101	80-120	3	0-20	
Ethylbenzene	ND	10.00	10.21	102	10.29	103	78-126	1	0-20	
o-Xylene	ND	10.00	9.334	93	9.326	93	70-130	0	0-30	
p/m-Xylene	ND	20.00	19.09	95	19.50	97	70-130	2	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	10.00	10.35	104	9.345	93	67-121	10	0-49	
Tert-Butyl Alcohol (TBA)	ND	50.00	68.65	137	53.55	107	36-162	25	0-30	
Diisopropyl Ether (DIPE)	ND	10.00	10.11	101	8.807	88	60-138	14	0-45	
Ethyl-t-Butyl Ether (ETBE)	ND	10.00	10.14	101	9.024	90	69-123	12	0-30	
Tert-Amyl-Methyl Ether (TAME)	ND	10.00	9.599	96	10.18	102	65-120	6	0-20	
Ethanol	ND	100.0	120.3	120	101.4	101	30-180	17	0-72	
1,2-Dibromoethane	ND	10.00	10.01	100	10.25	102	80-120	2	0-20	
1,2-Dichloroethane	ND	10.00	10.93	109	11.05	110	80-120	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Caiscience Environmental Laboratories, Inc.

Quality Control - LCS

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

Project: ExxonMobil 70235/022229C

Date Received: 01/15/14
Work Order: 14-01-0748
Preparation: EPA 5030C
Method: EPA 8015B (M)

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-436-9085	LCS	Aqueous	GC 4	01/16/14	01/17/14 05:37	140116B03

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	2000	1950	98	78-120	

Return to Contents

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: 01/15/14
Work Order: 14-01-0748
Preparation: EPA 5030C
Method: EPA 8260B
Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-884-1121	**LCS**	**Aqueous**	**GC/MS L**	**01/16/14**	**01/16/14 23:17**	**140116L04**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	10.00	9.738	97	80-120	73-127	
Toluene	10.00	9.369	94	80-120	73-127	
Ethylbenzene	10.00	9.433	94	80-120	73-127	
o-Xylene	10.00	8.837	88	75-125	67-133	
p/m-Xylene	20.00	17.99	90	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	10.00	9.655	97	69-123	60-132	
Tert-Butyl Alcohol (TBA)	50.00	48.21	96	63-123	53-133	
Diisopropyl Ether (DIPE)	10.00	11.85	119	59-137	46-150	
Ethyl-t-Butyl Ether (ETBE)	10.00	11.42	114	69-123	60-132	
Tert-Amyl-Methyl Ether (TAME)	10.00	10.15	101	70-120	62-128	
Ethanol	100.0	96.00	96	28-160	6-182	
1,2-Dibromoethane	10.00	9.825	98	79-121	72-128	
1,2-Dichloroethane	10.00	10.36	104	80-120	73-127	

Total number of LCS compounds: 13
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI		Date Received:	01/15/14
601 North McDowell Blvd.		Work Order:	14-01-0748
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 70235/022229C			Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-884-1122	**LCS**	**Aqueous**	**GC/MS L**	**01/17/14**	**01/17/14 11:10**	**140117L03**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	10.00	9.053	91	80-120	73-127	
Toluene	10.00	9.934	99	80-120	73-127	
Ethylbenzene	10.00	9.827	98	80-120	73-127	
o-Xylene	10.00	9.039	90	75-125	67-133	
p/m-Xylene	20.00	18.85	94	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	10.00	10.36	104	69-123	60-132	
Tert-Butyl Alcohol (TBA)	50.00	48.78	98	63-123	53-133	
Diisopropyl Ether (DIPE)	10.00	10.10	101	59-137	46-150	
Ethyl-t-Butyl Ether (ETBE)	10.00	10.32	103	69-123	60-132	
Tert-Amyl-Methyl Ether (TAME)	10.00	9.383	94	70-120	62-128	
Ethanol	100.0	99.76	100	28-160	6-182	
1,2-Dibromoethane	10.00	10.12	101	79-121	72-128	
1,2-Dichloroethane	10.00	10.37	104	80-120	73-127	

Total number of LCS compounds: 13
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 14-01-0748

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 suspected matrix interference.
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.
BV	Sample received 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 suspected matrix interference.
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 was in control.
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.
JA	Analyte positively identified but quantitation is an estimate.
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 Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
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.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

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: David R. Daniels [david.daniels@cardno.com]
Sent: Wednesday, January 15, 2014 4:27 PM
To: Sandy Tat; Azat Magdanov
Cc: Andrew Hazen; Carl Miklich; Corey Weiand
Subject: RE: ExxonMobil 70235/022229C (14-01-0748)

The COC is correct. There should be a 6 added to each sample ID. CEL#3 should be W-MW6Kb and CEL#4 should be W-MW6Lb.

David R. Daniels, PG 8737
PROJECT GEOLOGIST
CARDNO ERI

Phone (+1) 707-766-2000 **Fax** (+1) 707-789-0414 **Direct** (+1) 707-766-2024 **Mobile** (+1) 707-338-6997
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email david.daniels@cardno.com **Web** www.cardno.com www.cardnoeri.com

From: Sandy Tat [mailto:stat@calscience.com]
Sent: Wednesday, January 15, 2014 4:18 PM
To: David R. Daniels; Azat Magdanov
Subject: ExxonMobil 70235/022229C (14-01-0748)
Importance: High

Hi David / Azat,

Please verify the sample IDs for sample (W-MW6Kb)(Cel# 3) & (W-MW6Lb)(Cel# 4). Please see attached Sample Anomaly Form.

Thanks!

Sandy Tat
Project Manager Assistant

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

14-01-0748

Consultant Name: Cardno ERI | **Account #:** NA | **PO#:** Direct Bill Cardno ERI
Consultant Address: 601 N McDowell | **Invoice To:** Direct Bill Cardno ERI
Consultant City/State/Zip: Petaluma, CA 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.:** | **Site Address:** 2225 Telegraph Avenue
Sampler Name (Print): CARL MIHLICH | **Site City, State, Zip:** Oakland, CA
Sampler Signature: | **Oversight Agency:** Alameda County Health Care Services

	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: 8260B*	BTEX 8260 B	MTBE 8260	Methanol 8015B	Motor Oil by 8015B	TPHg, 8015B		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
(1)	W-MW6B	MW6B	1-13-14	1545	6	X					6								X							X					X				X	
(2)	W-MW6H	MW6H	1-13-14	1555	6	X					6								X							X					X				X	
	~~W-MW6Ka~~	~~MW6Ka~~			~~6~~	~~X~~					~~6~~								~~X~~							~~X~~					~~X~~				~~X~~	
(3)	~~W~~-MW6Kb	MW6Kb	1-13-14	1605	6	X					6								X							X					X				X	
	~~W-MW6La~~	~~MW6La~~			~~6~~	~~X~~					~~6~~								~~X~~							~~X~~					~~X~~				~~X~~	
(4)	W-MW6Lb	MW6Lb	1-13-14	1615	6	X					6								X							X					X				X	

Comments/Special Instructions:
8260B*= BTEX, MTBE, DIPE, ETBE, TAME, TBA, ethanol, 1,2 DCA, and EDB

PLEASE E-MAIL ALL PDF FILES TO norcallabs@eri-us.com

GLOBAL ID # T0600101354

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/ Calscience Project Manager or attach specific instructions

Relinquished by:	Company	Date	Time	Received by:	Date	Time
	CARDNO	1/14/14	1040	TOM O'MALLEY CBZ	1/14/14	1040
Relinquished by:		Date	Time	Received by (Lab personnel):	Date	Time
TOM O'MALLEY	TOOSO	1/14/14	1730		1/15/14	0930

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GSO

< WebShip > > > > >

800-322-5555 www.gso.com

07HR

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, NCAL BLANKS

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 523674892

NPS

ORC

A

GARDEN GROVE

D92841A

20148299

Print Date : 01/14/14 15:05 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.

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-01-0746

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Cardno ERI

DATE: 01/15/14

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

Temperature 1.7 °C - 0.3 °C (CF) = 1.4 °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 Checked by: 836

CUSTODY SEALS INTACT:

☑ Cooler ☐ _____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Checked by: 836

☐ Sample ☐ _____ ☐ No (Not Intact) ☑ Not Present Checked by: 862

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	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
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® ☐_____

Aqueous: ☐VOA ☑VOAh (6) ☐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:** 862

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** 854

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:** 854

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-01-0748

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☑ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

(-3) Labeled as W-MW66 1/13 16:05

(-4) Labeled as W-MW26 1/13 16:15

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: BG 01/15/14

SOP T100_090 (08/31/11)

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Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 14-01-1117

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 70235/022229C

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

RECEIVED
FEB 04 2014

BY: .....

Cecile deGuia

Approved for release on 02/03/2014 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: 14-01-1117

Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 14-01-1117

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 01/21/14. They were assigned to Work Order 14-01-1117.

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 a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

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:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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:
LCS Batch Number 140122L04: All target analytes were within acceptance criteria with the exception of 1,2-Dichloroethane. The LCS recovery for this analyte was above the upper control limit of 120%, but was below the NELAC-defined upper marginal exceedance (ME) limit of 127%. (ME = +/- 4 standard deviations.) Based upon the number of analytes spiked into the LCS, and per NELAC, the laboratory is allowed to report associated data when there is, in this case, one marginal exceedance in an LCS.

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

Work Order: 14-01-1117
Project Name: ExxonMobil 70235/022229C
PO Number: 022229C
Date/Time Received: 01/21/14 10:40
Number of Containers: 24

Attn: Rebekah Westrup

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
W-MW6B	14-01-1117-1	01/17/14 12:40	6	Aqueous
W-MW6H	14-01-1117-2	01/17/14 12:45	6	Aqueous
W-MW6Kb	14-01-1117-3	01/17/14 12:50	6	Aqueous
W-MW6Lb	14-01-1117-4	01/17/14 12:55	6	Aqueous

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Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 01/21/14
Work Order: 14-01-1117
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-MW6B	**14-01-1117-1-E**	**01/17/14 12:40**	**Aqueous**	**GC 25**	**01/23/14**	**01/24/14 02:55**	**140123B02**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	290	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6H	**14-01-1117-2-D**	**01/17/14 12:45**	**Aqueous**	**GC 25**	**01/24/14**	**01/24/14 14:21**	**140124B01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	39000	1200	25	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6Kb	**14-01-1117-3-E**	**01/17/14 12:50**	**Aqueous**	**GC 25**	**01/23/14**	**01/24/14 04:02**	**140123B02**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	110	50	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6Lb	**14-01-1117-4-E**	**01/17/14 12:55**	**Aqueous**	**GC 25**	**01/23/14**	**01/24/14 04:36**	**140123B02**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	130	50	1	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-9107**	**N/A**	**Aqueous**	**GC 25**	**01/23/14**	**01/23/14 15:09**	**140123B02**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1	

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

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

Project: ExxonMobil 70235/022229C

Date Received: 01/21/14
Work Order: 14-01-1117
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-436-9112	N/A	Aqueous	GC 25	01/24/14	01/24/14 10:53	140124B01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	38-134	

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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: 01/21/14
Work Order: 14-01-1117
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-MW6B	**14-01-1117-1-A**	**01/17/14 12:40**	**Aqueous**	**GC/MS L**	**01/22/14**	**01/22/14 20:20**	**140122L04**

Parameter	Result	RL	DF	Qualifiers
Benzene	27	0.50	1	
Toluene	4.7	0.50	1	
Ethylbenzene	9.6	0.50	1	
o-Xylene	7.3	0.50	1	
p/m-Xylene	38	0.50	1	
Xylenes (total)	45	0.50	1	
Methyl-t-Butyl Ether (MTBE)	6.0	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	108	68-120	
Dibromofluoromethane	92	80-127	
1,2-Dichloroethane-d4	113	80-128	
Toluene-d8	103	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: 01/21/14
Work Order: 14-01-1117
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-MW6H	14-01-1117-2-A	01/17/14 12:45	Aqueous	GC/MS L	01/22/14	01/22/14 20:48	140122L04

Parameter	Result	RL	DF	Qualifiers
Xylenes (total)	10000	100	1	
Methyl-t-Butyl Ether (MTBE)	180	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	109	68-120	
Dibromofluoromethane	95	80-127	
1,2-Dichloroethane-d4	114	80-128	
Toluene-d8	102	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6H	14-01-1117-2-C	01/17/14 12:45	Aqueous	GC/MS L	01/30/14	01/30/14 14:17	140130L02

Parameter	Result	RL	DF	Qualifiers
Benzene	4700	100	200	
Toluene	1500	100	200	
Ethylbenzene	2900	100	200	
o-Xylene	1800	100	200	
p/m-Xylene	8400	100	200	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	68-120	
Dibromofluoromethane	98	80-127	
1,2-Dichloroethane-d4	102	80-128	
Toluene-d8	99	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: 01/21/14
Work Order: 14-01-1117
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-MW6Kb	14-01-1117-3-C	01/17/14 12:50	Aqueous	GC/MS L	01/30/14	01/30/14 14:44	140130L02

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1	
Toluene	ND	0.50	1	
Ethylbenzene	ND	0.50	1	
o-Xylene	0.82	0.50	1	
p/m-Xylene	1.2	0.50	1	
Xylenes (total)	2.0	0.50	1	
Methyl-t-Butyl Ether (MTBE)	2.6	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	96	68-120	
Dibromofluoromethane	94	80-127	
1,2-Dichloroethane-d4	99	80-128	
Toluene-d8	100	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: 01/21/14
Work Order: 14-01-1117
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-MW6Lb	14-01-1117-4-C	01/17/14 12:55	Aqueous	GC/MS L	01/30/14	01/30/14 15:12	140130L02

Parameter	Result	RL	DF	Qualifiers
Benzene	19	0.50	1	
Toluene	0.66	0.50	1	
Ethylbenzene	ND	0.50	1	
o-Xylene	ND	0.50	1	
p/m-Xylene	1.3	0.50	1	
Xylenes (total)	1.3	0.50	1	
Methyl-t-Butyl Ether (MTBE)	5.5	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	5.0	1	
Diisopropyl Ether (DIPE)	1.7	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	98	68-120	
Dibromofluoromethane	95	80-127	
1,2-Dichloroethane-d4	99	80-128	
Toluene-d8	101	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: 01/21/14
Work Order: 14-01-1117
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	**099-12-884-1125**	**N/A**	**Aqueous**	**GC/MS L**	**01/22/14**	**01/22/14 11:36**	**140122L04**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1	
Toluene	ND	0.50	1	
Ethylbenzene	ND	0.50	1	
o-Xylene	ND	0.50	1	
p/m-Xylene	ND	0.50	1	
Xylenes (total)	ND	0.50	1	
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	104	68-120	
Dibromofluoromethane	99	80-127	
1,2-Dichloroethane-d4	117	80-128	
Toluene-d8	101	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: 01/21/14
Work Order: 14-01-1117
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	**099-12-884-1127**	**N/A**	**Aqueous**	**GC/MS L**	**01/30/14**	**01/30/14 11:33**	**140130L02**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1	
Toluene	ND	0.50	1	
Ethylbenzene	ND	0.50	1	
o-Xylene	ND	0.50	1	
p/m-Xylene	ND	0.50	1	
Xylenes (total)	ND	0.50	1	
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	97	68-120	
Dibromofluoromethane	101	80-127	
1,2-Dichloroethane-d4	103	80-128	
Toluene-d8	99	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
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: ExxonMobil 70235/022229C

Date Received: 01/21/14
Work Order: 14-01-1117
Preparation: EPA 5030C
Method: EPA 8015B (M)
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-01-1008-1	Sample	Aqueous	GC 25	01/23/14	01/23/14 16:16	140123S02
14-01-1008-1	Matrix Spike	Aqueous	GC 25	01/23/14	01/23/14 16:50	140123S02
14-01-1008-1	Matrix Spike Duplicate	Aqueous	GC 25	01/23/14	01/23/14 17:23	140123S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	2000	1953	98	1853	93	68-122	5	0-18	

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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: 01/21/14
Work Order: 14-01-1117
Preparation: EPA 5030C
Method: EPA 8015B (M)

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-01-1168-1	Sample	Aqueous	GC 25	01/24/14	01/24/14 12:07	140124S01
14-01-1168-1	Matrix Spike	Aqueous	GC 25	01/24/14	01/24/14 12:40	140124S01
14-01-1168-1	Matrix Spike Duplicate	Aqueous	GC 25	01/24/14	01/24/14 13:14	140124S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	80.70	2000	1940	93	1938	93	68-122	0	0-18	

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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: 01/21/14
Work Order: 14-01-1117
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-01-0950-10	Sample	Aqueous	GC/MS L	01/22/14	01/22/14 12:59	140122S01
14-01-0950-10	Matrix Spike	Aqueous	GC/MS L	01/22/14	01/22/14 16:11	140122S01
14-01-0950-10	Matrix Spike Duplicate	Aqueous	GC/MS L	01/22/14	01/22/14 16:39	140122S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	9.106	10.00	18.86	97	19.13	100	76-124	1	0-20	
Toluene	ND	10.00	9.993	100	10.07	101	80-120	1	0-20	
Ethylbenzene	ND	10.00	10.57	106	10.60	106	78-126	0	0-20	
o-Xylene	ND	10.00	9.903	99	10.05	101	70-130	1	0-30	
p/m-Xylene	ND	20.00	20.65	103	20.65	103	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	13.44	10.00	23.32	99	23.32	99	67-121	0	0-49	
Tert-Butyl Alcohol (TBA)	ND	50.00	49.34	99	53.90	108	36-162	9	0-30	
Diisopropyl Ether (DIPE)	ND	10.00	8.502	85	8.391	84	60-138	1	0-45	
Ethyl-t-Butyl Ether (ETBE)	5.658	10.00	17.43	118	14.57	89	69-123	18	0-30	
Tert-Amyl-Methyl Ether (TAME)	ND	10.00	11.07	111	11.00	110	65-120	1	0-20	
Ethanol	ND	100.0	93.76	94	89.06	89	30-180	5	0-72	
1,2-Dibromoethane	ND	10.00	11.28	113	11.17	112	80-120	1	0-20	
1,2-Dichloroethane	ND	10.00	13.10	131	13.36	134	80-120	2	0-20	HX

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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: 01/21/14
Work Order: 14-01-1117
Preparation: EPA 5030C
Method: EPA 8260B
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-01-1418-21	Sample	Aqueous	GC/MS L	01/30/14	01/30/14 12:01	140130S01
14-01-1418-21	Matrix Spike	Aqueous	GC/MS L	01/30/14	01/30/14 13:23	140130S01
14-01-1418-21	Matrix Spike Duplicate	Aqueous	GC/MS L	01/30/14	01/30/14 13:50	140130S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	10.00	10.17	102	10.49	105	76-124	3	0-20	
Toluene	ND	10.00	9.913	99	10.25	103	80-120	3	0-20	
Ethylbenzene	ND	10.00	10.20	102	10.41	104	78-126	2	0-20	
o-Xylene	ND	10.00	9.458	95	9.856	99	70-130	4	0-30	
p/m-Xylene	ND	20.00	19.68	98	20.15	101	70-130	2	0-30	
Methyl-t-Butyl Ether (MTBE)	7.904	10.00	17.09	92	17.78	99	67-121	4	0-49	
Tert-Butyl Alcohol (TBA)	ND	50.00	60.39	121	57.18	114	36-162	5	0-30	
Diisopropyl Ether (DIPE)	ND	10.00	11.44	114	9.523	95	60-138	18	0-45	
Ethyl-t-Butyl Ether (ETBE)	ND	10.00	10.19	102	10.15	102	69-123	0	0-30	
Tert-Amyl-Methyl Ether (TAME)	ND	10.00	9.972	100	10.28	103	65-120	3	0-20	
Ethanol	ND	100.0	103.2	103	98.32	98	30-180	5	0-72	
1,2-Dibromoethane	ND	10.00	10.06	101	10.35	104	80-120	3	0-20	
1,2-Dichloroethane	ND	10.00	9.714	97	10.28	103	80-120	6	0-20	

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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: 01/21/14
Work Order: 14-01-1117
Preparation: EPA 5030C
Method: EPA 8015B (M)
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-436-9107	LCS	Aqueous	GC 25	01/23/14	01/23/14 15:43	140123B02

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	2000	1924	96	78-120	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI		Date Received:	01/21/14
601 North McDowell Blvd.		Work Order:	14-01-1117
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-436-9112	LCS	Aqueous	GC 25	01/24/14	01/24/14 11:31	140124B01

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	2000	1928	96	78-120	

Return to Contents

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: 01/21/14
Work Order: 14-01-1117
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-884-1125	**LCS**	**Aqueous**	**GC/MS L**	**01/22/14**	**01/22/14 10:34**	**140122L04**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	10.00	10.28	103	80-120	73-127	
Toluene	10.00	9.736	97	80-120	73-127	
Ethylbenzene	10.00	10.56	106	80-120	73-127	
o-Xylene	10.00	9.859	99	75-125	67-133	
p/m-Xylene	20.00	20.53	103	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	10.00	9.428	94	69-123	60-132	
Tert-Butyl Alcohol (TBA)	50.00	50.49	101	63-123	53-133	
Diisopropyl Ether (DIPE)	10.00	8.055	81	59-137	46-150	
Ethyl-t-Butyl Ether (ETBE)	10.00	11.65	117	69-123	60-132	
Tert-Amyl-Methyl Ether (TAME)	10.00	10.41	104	70-120	62-128	
Ethanol	100.0	91.29	91	28-160	6-182	
1,2-Dibromoethane	10.00	10.76	108	79-121	72-128	
1,2-Dichloroethane	10.00	12.08	121	80-120	73-127	LQ,RU

Total number of LCS compounds: 13
Total number of ME compounds: 1
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

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: 01/21/14
Work Order: 14-01-1117
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-884-1127	LCS	Aqueous	GC/MS L	01/30/14	01/30/14 10:33	140130L02

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	10.00	10.16	102	80-120	73-127	
Toluene	10.00	10.01	100	80-120	73-127	
Ethylbenzene	10.00	10.47	105	80-120	73-127	
o-Xylene	10.00	9.835	98	75-125	67-133	
p/m-Xylene	20.00	20.11	101	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	10.00	9.687	97	69-123	60-132	
Tert-Butyl Alcohol (TBA)	50.00	51.26	103	63-123	53-133	
Diisopropyl Ether (DIPE)	10.00	9.382	94	59-137	46-150	
Ethyl-t-Butyl Ether (ETBE)	10.00	10.17	102	69-123	60-132	
Tert-Amyl-Methyl Ether (TAME)	10.00	9.960	100	70-120	62-128	
Ethanol	100.0	100.4	100	28-160	6-182	
1,2-Dibromoethane	10.00	10.28	103	79-121	72-128	
1,2-Dichloroethane	10.00	9.924	99	80-120	73-127	

Total number of LCS compounds: 13
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: 14-01-1117

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 suspected matrix interference.
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.
BV	Sample received 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 suspected matrix interference.
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 was in control.
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.
JA	Analyte positively identified but quantitation is an estimate.
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 Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
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.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

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: David R. Daniels [david.daniels@cardno.com]
Sent: Tuesday, January 21, 2014 4:33 PM
To: Sandy Tat; bmickelson@ameinc.net
Subject: RE: ExxonMobil 70235/022229C (14-01-1117)

The COC is correct. There should be a 6 added to both Sample IDs.

David R. Daniels, PG 8737
PROJECT GEOLOGIST
CARDNO ERI

Phone (+1) 707-766-2000 Fax (+1) 707-789-0414 Direct (+1) 707-766-2024 Mobile (+1) 707-338-6997
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email david.daniels@cardno.com Web www.cardno.com www.cardnoeri.com

From: Sandy Tat [mailto:stat@calscience.com]
Sent: Tuesday, January 21, 2014 3:50 PM
To: David R. Daniels; bmickelson@ameinc.net
Subject: ExxonMobil 70235/022229C (14-01-1117)
Importance: High

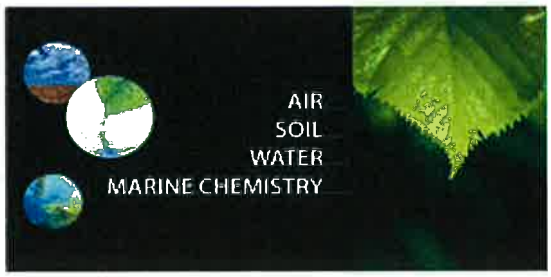
Hi David / Azat,

Please verify the sample ID for sample (W-MW6Kb)(Cel# 3) & (W-MW6Lb)(Cel# 4). Please see attached Sample Anomaly Form.

Thanks!

Sandy Tat
Project Manager Assistant

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

14-01-1117

Consultant Name: Cardno ERI | **Account #:** NA | **PO#:** Direct Bill Cardno ERI
Consultant Address: 601 N McDowell | **Invoice To:** Direct Bill Cardno ERI
Consultant City/State/Zip: Petaluma, CA 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.:** | **Site Address:** 2225 Telegraph Avenue
Sampler Name (Print): Drew Hazen | **Site City, State, Zip:** Oakland, CA
Sampler Signature: | **Oversight Agency:** Alameda County Health Care Services

	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: 8260B*	BTEX 8260 B	MTBE 8260	Methanol 8015B	Motor Oil by 8015B	TPHg, 8015B	RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	W-MW6B	MW6B	1/17/14	1240	6	X					6								X							X					X			X	
2	W-MW6H	MW6H	1/17/14	1245	6	X					6								X							X					X			X	
	~~W-MW6Ka~~	~~MW6Ka~~			~~6~~	~~X~~					~~6~~								X							~~X~~					~~X~~			~~X~~	
3	W-MW6Kb	MW6Kb	1/17/14	1250	6	X					6								X							X					X			X	
	~~W-MW6La~~	~~MW6La~~			~~6~~	~~X~~					~~6~~								X							~~X~~					~~X~~			~~X~~	
4	W-MW6Lb	MW6Lb	1/17/14	1255	6	X					6								X							X					X			X	

Comments/Special Instructions:
8260B*= BTEX, MTBE, DIPE, ETBE, TAME, TBA, ethanol, 1,2 DCA, and EDB

PLEASE E-MAIL ALL PDF FILES TO norcallabs@eri-us.com

GLOBAL ID # T0600101354

Relinquished by:		Date	Time	Received by:	Date	Time
		1/20/14	1030	To O'Malley CEC	1/20/14	1030
Relinquished by:		Date	Time	Received by (Lab personnel):	Date	Time
To O'Malley TO GSO		1/20/14	1736		1/21/14	1040

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/ Calscience Project Manager or attach specific instructions

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1117

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

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 523717857

NPS

ORC

A

GARDEN GROVE

D92843A

20350416

Print Date : 01/20/14 15:33 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 #: 14-01-1117

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Cardno ERI DATE: 01/21/14

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

Temperature 2.7 °C - 0.3 °C (CF) = 2.4 °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 Checked by: 15

CUSTODY SEALS INTACT:

☑ Cooler ☐ _____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Checked by: 15

☐ Sample ☐ _____ ☐ No (Not Intact) ☑ Not Present Checked by: 836

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	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
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® ☐_____

Aqueous: ☐VOA ☑VOAh (6) ☐VOA**na₂** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na₂** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na₂** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 836

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** 659

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:** 659

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-01-1717

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

Comments:

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☑ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

(-3) labeled as W-MWKb, (date/time matched).

(-4) labeled as W-MWLb, (date/time matched).

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: BG 01/21/14

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Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 14-01-0851

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 70235/022229C

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

Cecile de Guia

Approved for release on 01/28/2014 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: 14-01-0851

Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 14-01-0851 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 01/16/14. They were assigned to Work Order 14-01-0851.

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 a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

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:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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:	14-01-0851
	601 North McDowell Blvd.	Project Name:	ExxonMobil 70235/022229C
	Petaluma, CA 94954-2312	PO Number:	022229C
		Date/Time Received:	01/16/14 10:00
		Number of Containers:	7
Attn:	Rebekah Westrup		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
V-INF-MW6B-1	14-01-0851-1	01/14/14 15:30	1	Air
V-INF-MW6B-2	14-01-0851-2	01/14/14 17:20	1	Air
V-EFF-MW6B	14-01-0851-3	01/14/14 17:15	1	Air
V-INF-MW6H-1	14-01-0851-4	01/14/14 10:30	1	Air
V-INF-MW6H-2	14-01-0851-5	01/14/14 12:30	1	Air
V-INF-MW6Ka-1	14-01-0851-6	01/14/14 13:15	1	Air
V-INF-MW6Ka-2	14-01-0851-7	01/14/14 15:00	1	Air

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Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 01/16/14
Work Order: 14-01-0851
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6B-1	**14-01-0851-1-A**	**01/14/14 15:30**	**Air**	**GC/MS K**	**N/A**	**01/16/14 19:44**	**140116L04**

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	1.7	0.16	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.72	100	
Tert-Butyl Alcohol (TBA)	ND	1.5	100	
Diisopropyl Ether (DIPE)	ND	0.84	100	
Ethyl-t-Butyl Ether (ETBE)	ND	0.84	100	
Tert-Amyl-Methyl Ether (TAME)	ND	0.84	100	
1,2-Dibromoethane	ND	0.38	100	
1,2-Dichloroethane	ND	0.20	100	
Ethylbenzene	1.2	0.22	100	
o-Xylene	0.64	0.22	100	
p/m-Xylene	2.5	0.87	100	
Xylenes (total)	3.2	0.22	1	
Toluene	ND	1.9	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	57-129	
1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	100	78-156	

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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: 01/16/14
Work Order: 14-01-0851
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6B-2	14-01-0851-2-A	01/14/14 17:20	Air	GC/MS K	N/A	01/16/14 22:14	140116L04

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	5.5	0.16	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.72	100	
Tert-Butyl Alcohol (TBA)	ND	1.5	100	
Diisopropyl Ether (DIPE)	ND	0.84	100	
Ethyl-t-Butyl Ether (ETBE)	ND	0.84	100	
Tert-Amyl-Methyl Ether (TAME)	ND	0.84	100	
1,2-Dibromoethane	ND	0.38	100	
1,2-Dichloroethane	ND	0.20	100	
Ethylbenzene	2.3	0.22	100	
o-Xylene	0.56	0.22	100	
p/m-Xylene	3.9	0.87	100	
Xylenes (total)	4.5	0.22	1	
Toluene	ND	1.9	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	57-129	
1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	98	78-156	

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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: 01/16/14
Work Order: 14-01-0851
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-EFF-MW6B	14-01-0851-3-A	01/14/14 17:15	Air	GC/MS K	N/A	01/16/14 16:20	140116L04

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	0.0070	0.0016	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Tert-Butyl Alcohol (TBA)	ND	0.015	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
1,2-Dibromoethane	ND	0.0038	1	
1,2-Dichloroethane	ND	0.0020	1	
Ethylbenzene	0.0031	0.0022	1	
o-Xylene	0.0039	0.0022	1	
p/m-Xylene	0.011	0.0087	1	
Xylenes (total)	0.014	0.0022	1	
Toluene	ND	0.019	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	57-129	
1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	100	78-156	

Return to Contents

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI		Date Received:	01/16/14
601 North McDowell Blvd.		Work Order:	14-01-0851
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 4 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6H-1	14-01-0851-4-A	01/14/14 10:30	Air	GC/MS K	N/A	01/17/14 04:38	140116L04

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	37	0.64	400	
Methyl-t-Butyl Ether (MTBE)	ND	2.9	400	
Tert-Butyl Alcohol (TBA)	ND	6.1	400	
Diisopropyl Ether (DIPE)	ND	3.3	400	
Ethyl-t-Butyl Ether (ETBE)	ND	3.3	400	
Tert-Amyl-Methyl Ether (TAME)	ND	3.3	400	
1;2-Dibromoethane	ND	1.5	400	
1,2-Dichloroethane	ND	0.81	400	
Ethylbenzene	12	0.87	400	
o-Xylene	2.2	0.87	400	
p/m-Xylene	19	3.5	400	
Xylenes (total)	21	0.87	1	
Toluene	ND	7.5	400	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	57-129	
1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	101	78-156	

Return to Contents

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI		Date Received:	01/16/14
601 North McDowell Blvd.		Work Order:	14-01-0851
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 5 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6H-2	14-01-0851-5-A	01/14/14 12:30	Air	GC/MS K	N/A	01/17/14 03:02	140116L04

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	18	0.32	200	
Methyl-t-Butyl Ether (MTBE)	ND	1.4	200	
Tert-Butyl Alcohol (TBA)	ND	3.0	200	
Diisopropyl Ether (DIPE)	ND	1.7	200	
Ethyl-t-Butyl Ether (ETBE)	ND	1.7	200	
Tert-Amyl-Methyl Ether (TAME)	ND	1.7	200	
1,2-Dibromoethane	ND	0.77	200	
1,2-Dichloroethane	ND	0.40	200	
Ethylbenzene	8.5	0.43	200	
o-Xylene	3.1	0.43	200	
p/m-Xylene	16	1.7	200	
Xylenes (total)	20	0.43	1	
Toluene	7.5	3.8	200	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	57-129	
1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	98	78-156	

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: 01/16/14
Work Order: 14-01-0851
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6Ka-1	14-01-0851-6-A	01/14/14 13:15	Air	GC/MS K	N/A	01/16/14 23:51	140116L04

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	27	0.26	160	
Methyl-t-Butyl Ether (MTBE)	ND	1.2	160	
Tert-Butyl Alcohol (TBA)	ND	2.4	160	
Diisopropyl Ether (DIPE)	ND	1.3	160	
Ethyl-t-Butyl Ether (ETBE)	ND	1.3	160	
Tert-Amyl-Methyl Ether (TAME)	ND	1.3	160	
1,2-Dibromoethane	ND	0.61	160	
1,2-Dichloroethane	ND	0.32	160	
Ethylbenzene	11	0.35	160	
o-Xylene	7.2	0.35	160	
p/m-Xylene	29	1.4	160	
Xylenes (total)	36	0.35	1	
Toluene	4.0	3.0	160	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	57-129	
1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	99	78-156	

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: 01/16/14
Work Order: 14-01-0851
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6Ka-2	14-01-0851-7-A	01/14/14 15:00	Air	GC/MS K	N/A	01/17/14 01:26	140116L04

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	29	0.26	160	
Methyl-t-Butyl Ether (MTBE)	ND	1.2	160	
Tert-Butyl Alcohol (TBA)	ND	2.4	160	
Diisopropyl Ether (DIPE)	ND	1.3	160	
Ethyl-t-Butyl Ether (ETBE)	ND	1.3	160	
Tert-Amyl-Methyl Ether (TAME)	ND	1.3	160	
1,2-Dibromoethane	ND	0.61	160	
1,2-Dichloroethane	ND	0.32	160	
Ethylbenzene	13	0.35	160	
o-Xylene	8.7	0.35	160	
p/m-Xylene	32	1.4	160	
Xylenes (total)	41	0.35	1	
Toluene	6.4	3.0	160	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	57-129	
1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	100	78-156	

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: 01/16/14
Work Order: 14-01-0851
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

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	**099-12-981-3896**	**N/A**	**Air**	**GC/MS K**	**N/A**	**01/16/14 14:31**	**140116L04**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0016	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Tert-Butyl Alcohol (TBA)	ND	0.015	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
1,2-Dibromoethane	ND	0.0038	1	
1,2-Dichloroethane	ND	0.0020	1	
Ethylbenzene	ND	0.0022	1	
o-Xylene	ND	0.0022	1	
p/m-Xylene	ND	0.0087	1	
Xylenes (total)	ND	0.0022	1	
Toluene	ND	0.019	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	57-129	
1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	101	78-156	

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: 01/16/14
Work Order: 14-01-0851
Preparation: N/A
Method: EPA TO-3M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6B-1	**14-01-0851-1-A**	**01/14/14 15:30**	**Air**	**GC 13**	**N/A**	**01/16/14 13:22**	**140116L02**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	1400	7.0	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6B-2	**14-01-0851-2-A**	**01/14/14 17:20**	**Air**	**GC 13**	**N/A**	**01/16/14 13:33**	**140116L02**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	2800	35	5	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-EFF-MW6B	**14-01-0851-3-A**	**01/14/14 17:15**	**Air**	**GC 13**	**N/A**	**01/16/14 12:59**	**140116L02**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	27	7.0	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6H-1	**14-01-0851-4-A**	**01/14/14 10:30**	**Air**	**GC 13**	**N/A**	**01/16/14 14:11**	**140116L02**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	7500	70	10	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6H-2	**14-01-0851-5-A**	**01/14/14 12:30**	**Air**	**GC 13**	**N/A**	**01/16/14 14:23**	**140116L02**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	5000	70	10	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6Ka-1	**14-01-0851-6-A**	**01/14/14 13:15**	**Air**	**GC 13**	**N/A**	**01/16/14 13:47**	**140116L02**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	3300	35	5	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6Ka-2	**14-01-0851-7-A**	**01/14/14 15:00**	**Air**	**GC 13**	**N/A**	**01/16/14 14:00**	**140116L02**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	3500	35	5	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**098-01-005-5209**	**N/A**	**Air**	**GC 13**	**N/A**	**01/16/14 09:40**	**140116L02**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	7.0	1	

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

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Calscience Environmental Laboratories, Inc.

Quality Control - Sample Duplicate

Cardno ERI	Date Received: 01/16/14
601 North McDowell Blvd.	Work Order: 14-01-0851
Petaluma, CA 94954-2312	Preparation: N/A
	Method: EPA TO-3M
Project: ExxonMobil 70235/022229C	Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-01-0825-2	Sample	Air	GC 13	N/A	01/16/14 10:15	140116D02
14-01-0825-2	Sample Duplicate	Air	GC 13	N/A	01/16/14 10:28	140116D02

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
TPH as Gasoline	431.2	420.0	3	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

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

Project: ExxonMobil 70235/022229C

Date Received: 01/16/14
Work Order: 14-01-0851
Preparation: N/A
Method: EPA TO-15M

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-3896	LCS	Air	GC/MS K	N/A	01/16/14 12:44	140116L04
099-12-981-3896	LCSD	Air	GC/MS K	N/A	01/16/14 13:38	140116L04

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	0.07987	0.08588	108	0.08737	109	60-156	44-172	2	0-40	
Methyl-t-Butyl Ether (MTBE)	0.09013	0.08471	94	0.08582	95	50-150	33-167	1	0-35	
Tert-Butyl Alcohol (TBA)	0.1516	0.1454	96	0.1630	108	60-140	47-153	11	0-30	
Diisopropyl Ether (DIPE)	0.1045	0.1137	109	0.1151	110	60-140	47-153	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	0.1045	0.1038	99	0.1053	101	60-140	47-153	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	0.1045	0.1026	98	0.1047	100	60-140	47-153	2	0-30	
1,2-Dibromoethane	0.1921	0.2020	105	0.2046	106	54-144	39-159	1	0-36	
1,2-Dichloroethane	0.1012	0.09391	93	0.09502	94	69-153	55-167	1	0-35	
Ethylbenzene	0.1086	0.1130	104	0.1139	105	52-154	35-171	1	0-38	
o-Xylene	0.1086	0.1084	100	0.1093	101	52-148	36-164	1	0-38	
p/m-Xylene	0.2171	0.2200	101	0.2222	102	42-156	23-175	1	0-41	
Toluene	0.09421	0.09977	106	0.1003	106	56-146	41-161	0	0-43	

Return to Contents

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: 01/16/14
Work Order: 14-01-0851
Preparation: N/A
Method: EPA TO-3M

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
098-01-005-5209	LCS	Air	GC 13	N/A	01/16/14 09:18	140116L02

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	932.5	874.4	94	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 14-01-0851

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 suspected matrix interference.
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.
BV	Sample received 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 suspected matrix interference.
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 was in control.
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.
JA	Analyte positively identified but quantitation is an estimate.
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 Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
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.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

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: David R. Daniels [david.daniels@cardno.com]
Sent: Thursday, January 16, 2014 11:49 AM
To: Sandy Tat; Azat Magdanov
Subject: RE: ExxonMobil 70235/022229C (14-01-0851)
Attachments: 14-01-0851 Revised.pdf

I added the vapor method. I also added some additional VOCs.

David R. Daniels, PG 8737
PROJECT GEOLOGIST
CARDNO ERI

Phone (+1) 707-766-2000 Fax (+1) 707-789-0414 Direct (+1) 707-766-2024 Mobile (+1) 707-338-6997
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email david.daniels@cardno.com Web www.cardno.com www.cardnoeri.com

From: Sandy Tat [mailto:stat@calscience.com]
Sent: Thursday, January 16, 2014 11:33 AM
To: David R. Daniels; Azat Magdanov
Subject: ExxonMobil 70235/022229C (14-01-0851)

Hi David / Azat,

Please change the method for the EPA 8015B to a vapor method.

Thanks!

Sandy Tat
Project Manager Assistant

Calscience

7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494
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Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841
Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil
14-01-0851

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, CA 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.: | Site Address: 2225 Telegraph Avenue
Sampler Name (Print): Cara Mellace | Site City, State, Zip: Oakland, CA
Sampler Signature: | Oversight Agency: Alameda County Health Care Services

	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: TPH-g TO3(M)	TPH-d 8015B	TPH-d by EPA 8015B	BTEX MTBE TO-15 (M)	Oxygenates 8260B	Methanol 8015B	Motor Oil by 8015B	Kerosene by 8015B	RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	V-INF-MW6B-1	EVENT-INF	1-14-14	1530	1													1					1					X	X							X	
2	V-INF-MW6B-2	EVENT-INF	1-14-14	1720	1													1					1					X	X							X	
3	V-EFF-MW6B	EVENT-EFF	1-14-14	1715	1													1					1					X	X							X	
4	V-INF-MW6H-1	EVENT-INF	1-14-14	1030	1													1					1					X	X							X	
5	V-INF-MW6H-2	EVENT-INF	1-14-14	1230	1													1					1					X	X							X	
6	V-INF-MW6Ka-1	EVENT-INF	1-14-14	1315	1													1					1					X	X							X	
7	V-INF-MW6Ka-2	EVENT-INF	1-14-14	1300	1													1					1					X	X							X	

Comments/Special Instructions: TO-15 include BTEX, MTBE, DIPE, ETBE, TAME, TBA, 1,2 DCA, EDB
PLEASE E-MAIL ALL PDF FILES TO norcallabs@eri-us.com
GLOBAL ID # T0600101354

		Date	Time		Date	Time
Relinquished by:	Cardno	1/15/14	1440	Received by:	1/15/14	1440
Relinquished by: To GBS		1/15/14	1730	Received by (Lab personnel):	1/16/14	1000

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/ Calscience Project Manager or attach specific instructions

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Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841
Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil
14-01-0851

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, CA 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.:** | **Site Address:** 2225 Telegraph Avenue
Sampler Name (Print): CARA MCMILLAN | **Site City, State, Zip:** Oakland, CA
Sampler Signature: | **Oversight Agency:** Alameda County Health Care Services

	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: *TPHd 8015 B	by EPA 8015B	BTEX MTBE TO-15 (M)	Oxygenates 8260B	Methanol 8015B	Motor Oil by 8015B	Kerosene by 8015B		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	V-INF-MW6B-1	EVENT-INF	1-14-14	1530	1													1						1			X	X								X	
2	V-INF-MW6B-2	EVENT-INF	1-14-14	1720	1													1						1			X	X								X	
3	V-EFF-MW6B	EVENT-EFF	1-14-14	1715	1													1						1			X	X								X	
4	V-INF-MW6H-1	EVENT-INF	1-14-14	1030	1													1						1			X	X								X	
5	V-INF-MW6H-2	EVENT-INF	1-14-14	1230	1													1						1			X	X								X	
6	V-INF-MW6Ka-1	EVENT-INF	1-14-14	1315	1													1						1			X	X								X	
7	V-INF-MW6Ka-2	EVENT-INF	1-14-14	1500	1													1						1			X	X								X	

Comments/Special Instructions:

PLEASE E-MAIL ALL PDF FILES TO norcallabs@eri-us.com

GLOBAL ID # T0600101354

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/ Calscience Project Manager or attach specific instructions

Relinquished by:		Date	Time	Received by:	Date	Time
	CARDNO	1/15/14	1440	CFL	1/15/14	1440
Relinquished by: 70680		Date 1/15/14	Time 1730	Received by (Lab personnel):	Date 1/16/14	Time 1000

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(0851)

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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, STANTEC

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 523687521

NPS

ORC

A

GARDEN GROVE

D92841A

20205116

Print Date : 01/15/14 15:55 PM

Package 1 of 1

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Caiscience Environmental Laboratories, Inc.

WORK ORDER #: 14-01-0851

SAMPLE RECEIPT FORM

Box 1 of 1

CLIENT: Cardno ERI DATE: 01/15/14

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

Temperature _____.___ °C - 0.3 °C (CF) = _____.___ °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 **Checked by:** 300

CUSTODY SEALS INTACT:

☑ Box ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A **Checked by:** 300

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Checked by:** 300

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	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
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® ☐_____

Aqueous: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☑Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 300

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 836

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:** 836

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Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 14-01-0940

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 70235/022229C

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

RECEIVED
JAN 30 2014

BY: .....

Cecile de Guia

Approved for release on 01/30/2014 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: 14-01-0940

Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 14-01-0940

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 01/17/14. They were assigned to Work Order 14-01-0940.

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 a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

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:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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.

Please note that the tedlar bag labeled as V-INF-MW6La-2 collected on 01/15/14 @ 15:45 was received leaking and flat before any analyses could be performed. Therefore, analyses for this sample were cancelled. Client was notified on January 17, 2014.

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:	14-01-0940
	601 North McDowell Blvd.	Project Name:	ExxonMobil 70235/022229C
	Petaluma, CA 94954-2312	PO Number:	022229C
		Date/Time Received:	01/17/14 10:00
		Number of Containers:	6
Attn:	Rebekah Westrup		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
V-INF-MW6Kb-1	14-01-0940-1	01/15/14 08:45	1	Air
V-INF-MW6Kb-2	14-01-0940-2	01/15/14 10:30	1	Air
V-INF-MW6La-1	14-01-0940-3	01/15/14 13:45	1	Air
V-INF-MW6La-2	14-01-0940-4	01/15/14 15:45	1	Air
V-INF-MW6Lb-1	14-01-0940-5	01/15/14 11:15	1	Air
V-INF-MW6Lb-2	14-01-0940-6	01/15/14 13:00	1	Air

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Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 01/17/14
Work Order: 14-01-0940
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6Kb-1	14-01-0940-1-A	01/15/14 08:45	Air	GC/MS II	N/A	01/17/14 18:32	140117L02

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	9.1	0.16	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.72	100	
Tert-Butyl Alcohol (TBA)	ND	1.5	100	
Diisopropyl Ether (DIPE)	ND	0.84	100	
Ethyl-t-Butyl Ether (ETBE)	ND	0.84	100	
Tert-Amyl-Methyl Ether (TAME)	ND	0.84	100	
1,2-Dibromoethane	ND	0.38	100	
1,2-Dichloroethane	0.27	0.20	100	
Ethylbenzene	3.2	0.22	100	
o-Xylene	0.95	0.22	100	
p/m-Xylene	5.6	0.87	100	
Xylenes (total)	6.6	0.22	1	
Toluene	ND	1.9	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	57-129	
1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	89	78-156	

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: 01/17/14
Work Order: 14-01-0940
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6Kb-2	14-01-0940-2-A	01/15/14 10:30	Air	GC/MS II	N/A	01/17/14 19:20	140117L02

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	21	0.26	160	
Methyl-t-Butyl Ether (MTBE)	ND	1.2	160	
Tert-Butyl Alcohol (TBA)	ND	2.4	160	
Diisopropyl Ether (DIPE)	ND	1.3	160	
Ethyl-t-Butyl Ether (ETBE)	ND	1.3	160	
Tert-Amyl-Methyl Ether (TAME)	ND	1.3	160	
1,2-Dibromoethane	ND	0.61	160	
1,2-Dichloroethane	0.42	0.32	160	
Ethylbenzene	9.3	0.35	160	
o-Xylene	6.9	0.35	160	
p/m-Xylene	25	1.4	160	
Xylenes (total)	32	0.35	1	
Toluene	18	3.0	160	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	57-129	
1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	89	78-156	

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: 01/17/14
Work Order: 14-01-0940
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6La-1	14-01-0940-3-A	01/15/14 13:45	Air	GC/MS II	N/A	01/17/14 20:11	140117L02

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	18	0.16	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.72	100	
Tert-Butyl Alcohol (TBA)	ND	1.5	100	
Diisopropyl Ether (DIPE)	ND	0.84	100	
Ethyl-t-Butyl Ether (ETBE)	ND	0.84	100	
Tert-Amyl-Methyl Ether (TAME)	ND	0.84	100	
1,2-Dibromoethane	ND	0.38	100	
1,2-Dichloroethane	0.29	0.20	100	
Ethylbenzene	4.7	0.22	100	
o-Xylene	3.5	0.22	100	
p/m-Xylene	12	0.87	100	
Xylenes (total)	16	0.22	1	
Toluene	26	1.9	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	57-129	
1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	90	78-156	

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: 01/17/14
Work Order: 14-01-0940
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6Lb-1	14-01-0940-5-A	01/15/14 11:15	Air	GC/MS NN	N/A	01/18/14 09:21	140117L02

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	27	0.16	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.72	100	
Tert-Butyl Alcohol (TBA)	ND	1.5	100	
Diisopropyl Ether (DIPE)	ND	0.84	100	
Ethyl-t-Butyl Ether (ETBE)	ND	0.84	100	
Tert-Amyl-Methyl Ether (TAME)	ND	0.84	100	
1,2-Dibromoethane	ND	0.38	100	
1,2-Dichloroethane	0.45	0.20	100	
Ethylbenzene	1.3	0.22	100	
o-Xylene	0.55	0.22	100	
p/m-Xylene	2.9	0.87	100	
Xylenes (total)	3.4	0.22	1	
Toluene	ND	1.9	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	57-129	
1,2-Dichloroethane-d4	98	47-137	
Toluene-d8	102	78-156	

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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: 01/17/14
Work Order: 14-01-0940
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6Lb-2	14-01-0940-6-A	01/15/14 13:00	Air	GC/MS II	N/A	01/17/14 23:20	140117L02

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	0.24	0.18	25	
Tert-Butyl Alcohol (TBA)	ND	0.38	25	
Diisopropyl Ether (DIPE)	ND	0.21	25	
Ethyl-t-Butyl Ether (ETBE)	ND	0.21	25	
Tert-Amyl-Methyl Ether (TAME)	ND	0.21	25	
1,2-Dibromoethane	ND	0.096	25	
1,2-Dichloroethane	0.088	0.051	25	
Ethylbenzene	6.0	0.054	25	
o-Xylene	1.4	0.054	25	
p/m-Xylene	9.6	0.22	25	
Xylenes (total)	11	0.054	1	
Toluene	3.9	0.47	25	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	57-129	
1,2-Dichloroethane-d4	95	47-137	
Toluene-d8	80	78-156	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6Lb-2	14-01-0940-6-A	01/15/14 13:00	Air	GC/MS II	N/A	01/18/14 16:15	140118L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	81	0.64	400	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	103	57-129	
1,2-Dichloroethane-d4	125	47-137	
Toluene-d8	109	78-156	

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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: 01/17/14
Work Order: 14-01-0940
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

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	**099-12-981-3906**	**N/A**	**Air**	**GC/MS II**	**N/A**	**01/17/14 14:19**	**140117L02**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0016	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Tert-Butyl Alcohol (TBA)	ND	0.015	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
1,2-Dibromoethane	ND	0.0038	1	
1,2-Dichloroethane	ND	0.0020	1	
Ethylbenzene	ND	0.0022	1	
o-Xylene	ND	0.0022	1	
p/m-Xylene	ND	0.0087	1	
Xylenes (total)	ND	0.0022	1	
Toluene	ND	0.019	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	57-129	
1,2-Dichloroethane-d4	111	47-137	
Toluene-d8	107	78-156	

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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: 01/17/14
Work Order: 14-01-0940
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

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	099-12-981-3905	N/A	Air	GC/MS NN	N/A	01/17/14 15:35	140117L02

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0016	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Tert-Butyl Alcohol (TBA)	ND	0.015	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
1,2-Dibromoethane	ND	0.0038	1	
1,2-Dichloroethane	ND	0.0020	1	
Ethylbenzene	ND	0.0022	1	
o-Xylene	ND	0.0022	1	
p/m-Xylene	ND	0.0087	1	
Xylenes (total)	ND	0.0022	1	
Toluene	ND	0.019	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	57-129	
1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	100	78-156	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-981-3901	N/A	Air	GC/MS II	N/A	01/18/14 14:51	140118L01

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0016	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	57-129	
1,2-Dichloroethane-d4	110	47-137	
Toluene-d8	97	78-156	

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: 01/17/14
Work Order: 14-01-0940
Preparation: N/A
Method: EPA TO-3M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6Kb-1	14-01-0940-1-A	01/15/14 08:45	Air	GC 13	N/A	01/17/14 12:58	140117L02

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	3800	35	5	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6Kb-2	14-01-0940-2-A	01/15/14 10:30	Air	GC 13	N/A	01/17/14 13:07	140117L02

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	5900	35	5	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6La-1	14-01-0940-3-A	01/15/14 13:45	Air	GC 13	N/A	01/17/14 12:38	140117L02

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	2900	35	5	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6Lb-1	14-01-0940-5-A	01/15/14 11:15	Air	GC 13	N/A	01/17/14 12:18	140117L02

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	390	7.0	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-MW6Lb-2	14-01-0940-6-A	01/15/14 13:00	Air	GC 13	N/A	01/17/14 12:29	140117L02

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	1100	7.0	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	098-01-005-5214	N/A	Air	GC 13	N/A	01/17/14 09:57	140117L02

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	7.0	1	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Sample Duplicate

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

Project: ExxonMobil 70235/022229C

Date Received: 01/17/14
Work Order: 14-01-0940
Preparation: N/A
Method: EPA TO-3M

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
V-INF-MW6La-1	Sample	Air	GC 13	N/A	01/17/14 12:33	140117D02
V-INF-MW6La-1	Sample Duplicate	Air	GC 13	N/A	01/17/14 12:47	140117D02

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
TPH as Gasoline	2861	2769	3	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

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

Project: ExxonMobil 70235/022229C

Date Received: 01/17/14
Work Order: 14-01-0940
Preparation: N/A
Method: EPA TO-15M
Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-3906	LCS	Air	GC/MS II	N/A	01/17/14 11:49	140117L02
099-12-981-3906	LCSD	Air	GC/MS II	N/A	01/17/14 12:40	140117L02

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	0.07987	0.09121	114	0.08379	105	60-156	44-172	8	0-40	
Methyl-t-Butyl Ether (MTBE)	0.09013	0.1023	114	0.09688	107	50-150	33-167	5	0-35	
Tert-Butyl Alcohol (TBA)	0.1516	0.1558	103	0.1483	98	60-140	47-153	5	0-30	
Diisopropyl Ether (DIPE)	0.1045	0.1072	103	0.1005	96	60-140	47-153	6	0-30	
Ethyl-t-Butyl Ether (ETBE)	0.1045	0.1139	109	0.1072	103	60-140	47-153	6	0-30	
Tert-Amyl-Methyl Ether (TAME)	0.1045	0.1144	110	0.1047	100	60-140	47-153	9	0-30	
1,2-Dibromoethane	0.1921	0.2023	105	0.2019	105	54-144	39-159	0	0-36	
1,2-Dichloroethane	0.1012	0.1237	122	0.1172	116	69-153	55-167	5	0-35	
Ethylbenzene	0.1086	0.1117	103	0.1114	103	52-154	35-171	0	0-38	
o-Xylene	0.1086	0.1080	100	0.1084	100	52-148	36-164	0	0-38	
p/m-Xylene	0.2171	0.2144	99	0.2138	98	42-156	23-175	0	0-41	
Toluene	0.09421	0.09690	103	0.09664	103	56-146	41-161	0	0-43	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

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

Project: ExxonMobil 70235/022229C

Date Received: 01/17/14
Work Order: 14-01-0940
Preparation: N/A
Method: EPA TO-15M

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-3901	LCS	Air	GC/MS II	N/A	01/18/14 12:21	140118L01
099-12-981-3901	LCSD	Air	GC/MS II	N/A	01/18/14 13:13	140118L01

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	0.07987	0.07989	100	0.07876	99	60-156	44-172	1	0-40	
Diisopropyl Ether (DIPE)	0.1045	0.1026	98	0.09871	94	60-140	47-153	4	0-30	
1,2-Dibromoethane	0.1921	0.2002	104	0.1975	103	54-144	39-159	1	0-36	
1,2-Dichloroethane	0.1012	0.1155	114	0.1132	112	69-153	55-167	2	0-35	
Ethyl-t-Butyl Ether (ETBE)	0.1045	0.1117	107	0.1094	105	60-140	47-153	2	0-30	
Ethylbenzene	0.1086	0.1097	101	0.1073	99	52-154	35-171	2	0-38	
Methyl-t-Butyl Ether (MTBE)	0.09013	0.09454	105	0.09252	103	50-150	33-167	2	0-35	
o-Xylene	0.1086	0.1083	100	0.1065	98	52-148	36-164	2	0-38	
p/m-Xylene	0.2171	0.2135	98	0.2082	96	42-156	23-175	3	0-41	
Tert-Amyl-Methyl Ether (TAME)	0.1045	0.1083	104	0.1062	102	60-140	47-153	2	0-30	
Tert-Butyl Alcohol (TBA)	0.1516	0.1520	100	0.1466	97	60-140	47-153	4	0-30	
Toluene	0.09421	0.09255	98	0.09113	97	56-146	41-161	2	0-43	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

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

Project: ExxonMobil 70235/022229C

Date Received: 01/17/14
Work Order: 14-01-0940
Preparation: N/A
Method: EPA TO-15M

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-3905	LCS	Air	GC/MS NN	N/A	01/17/14 13:14	140117L02
099-12-981-3905	LCSD	Air	GC/MS NN	N/A	01/17/14 14:04	140117L02

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	0.07987	0.08417	105	0.08310	104	60-156	44-172	1	0-40	
Methyl-t-Butyl Ether (MTBE)	0.09013	0.09425	105	0.09087	101	50-150	33-167	4	0-35	
Tert-Butyl Alcohol (TBA)	0.1516	0.1857	123	0.1693	112	60-140	47-153	9	0-30	
Diisopropyl Ether (DIPE)	0.1045	0.09880	95	0.09448	90	60-140	47-153	4	0-30	
Ethyl-t-Butyl Ether (ETBE)	0.1045	0.09643	92	0.09308	89	60-140	47-153	4	0-30	
Tert-Amyl-Methyl Ether (TAME)	0.1045	0.1012	97	0.09919	95	60-140	47-153	2	0-30	
1,2-Dibromoethane	0.1921	0.2141	111	0.2127	111	54-144	39-159	1	0-36	
1,2-Dichloroethane	0.1012	0.1034	102	0.09687	96	69-153	55-167	7	0-35	
Ethylbenzene	0.1086	0.1180	109	0.1194	110	52-154	35-171	1	0-38	
o-Xylene	0.1086	0.1205	111	0.1162	107	52-148	36-164	4	0-38	
p/m-Xylene	0.2171	0.2395	110	0.2345	108	42-156	23-175	2	0-41	
Toluene	0.09421	0.1046	111	0.1032	110	56-146	41-161	1	0-43	

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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: 01/17/14
Work Order: 14-01-0940
Preparation: N/A
Method: EPA TO-3M

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
098-01-005-5214	LCS	Air	GC 13	N/A	01/17/14 09:36	140117L02

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	932.5	885.5	95	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 14-01-0940

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 suspected matrix interference.
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.
BV	Sample received 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 suspected matrix interference.
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 was in control.
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.
JA	Analyte positively identified but quantitation is an estimate.
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 Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
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.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

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: David R. Daniels [david.daniels@cardno.com]
Sent: Friday, January 17, 2014 10:58 AM
To: Cecile de Guia; Rebekah Westrup; Azat Magdanov
Subject: RE: ExxonMobil 70235; 14-01-0940
Attachments: 14-01-0940 Revised.pdf

Unfortunately we cannot resample as it was a one-time feasibility test. I also added some VOCs to the attached/revised COC.

David R. Daniels, PG 8737
PROJECT GEOLOGIST
CARDNO ERI

Phone (+1) 707-766-2000 **Fax** (+1) 707-789-0414 **Direct** (+1) 707-766-2024 **Mobile** (+1) 707-338-6997
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email david.daniels@cardno.com **Web** www.cardno.com www.cardnoeri.com

From: Cecile de Guia [mailto:cdeguia@calscience.com]
Sent: Friday, January 17, 2014 10:52 AM
To: Rebekah Westrup; Azat Magdanov; David R. Daniels
Subject: ExxonMobil 70235; 14-01-0940
Importance: High

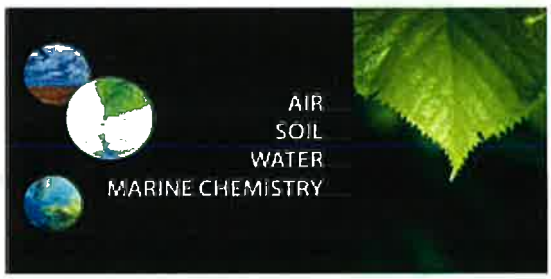
Good Morning,

The tedlar bags for the attached COC were received today. However, sample labeled V-INF-MW6La-2 (14-01-0940-4) was received leaking and it's almost flat.. Sample volume is insufficient to perform the analysis. Do you think you could re-sample? Please advise.

Could you also make sure that the compounds to be reported for TO-15 is just BTEX/MTBE only?
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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REVISED

Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841
Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil

14-01-0940

Consultant Name: Cardno ERI
Consultant Address: 601 N McDowell Boulevard
Consultant City/State/Zip: Petaluma, CA 94954
ExxonMobil Project Mgr: Jennifer Sedlachek
Consultant Project Mgr: Rebekah Westrup
Consultant Telephone Number: (707) 766-2000 Fax No.:
Sampler Name (Print): CARL MILLICAN
Sampler Signature: [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, CA
Oversight Agency: Alameda County Health Care Services

	Sample ID	Field Point Name	Date Sampled	Time Sampled	No of Containers Shipped	Grab	Composite	Field Filtered	Preservative										Matrix							Analyze For:	*										
									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	*TPHd 8015 B	~~by EPA 8015B~~ TPHg TO-3M	BTEX MTBE TO-15 (M)	Oxygenates 8260B	Methanol 8015B	Motor Oil by 8015B	Kerosene by 8015B		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	V-INF-MW6Kb-1	EVENT-INF	1-15-14	845	1													1						1			X	X								X	
2	V-INF-MW6Kb-2	EVENT-INF	1-15-14	1030	1													1						1			X	X								X	
3	V-INF-MW6La-1	EVENT-INF	1-15-14	1345	1													1						1			X	X								X	
4	V-INF-MW6La-2	EVENT-INF	1-15-14	1545	1													1						1			X	X								X	
5	V-INF-MW6Lb-1	EVENT-INF	1-15-14	1115	1													1						1			X	X								X	
6	V-INF-MW6Lb-2	EVENT-INF	1-15-14	1300	1													1						1			X	X								X	

Comments/Special Instructions: TO-15 include BTEX, MTBE, DIPE, ETBE, TAME, TBA, 1,2 DCA, EDB

PLEASE E-MAIL ALL PDF FILES TO
porcallabs@eri-us.com

GLOBAL ID # T0600101354

Relinquished by:		Date	Time	Received by:	Date	Time
[signature]	CARDNO	1/16/14	1330	Ta Omally	1/16/14	1330
Relinquished by: Ta Omally	TO GSO	1/16/14	1730	Received by (Lab personnel): [signature] CEL	1/17/14	1000

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/ Calscience Project Manager or attach specific instructions

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Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841
Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil

14-01-0940

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, CA 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.:** | **Site Address:** 2225 Telegraph Avenue
Sampler Name (Print): Carl Mikkelsen | **Site City, State, Zip:** Oakland, CA
Sampler Signature: | **Oversight Agency:** Alameda County Health Care Services

	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: *TPHd 8015 B	by EPA 8015B TPH-D	BTEX MTBE TO-15 (M)	Oxygenates 8260B	Methanol 8015B	Motor Oil by 8015B	Kerosene by 8015B	RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	V-INF-MW6Kb-1	EVENT-INF	1-15-14	0845	1													1					1				X	X							X	
2	V-INF-MW6Kb-2	EVENT-INF	1-15-14	1030	1													1					1				X	X							X	
3	V-INF-MW6La-1	EVENT-INF	1-15-14	1345	1													1					1				X	X							X	
4	V-INF-MW6La-2	EVENT-INF	1-15-14	1545	1													1					1				X	X							X	
5	V-INF-MW6Lb-1	EVENT-INF	1-15-14	1115	1													1					1				X	X							X	
6	V-INF-MW6Lb-2	EVENT-INF	1-15-14	1300	1													1					1				X	X							X	

Comments/Special Instructions:

PLEASE E-MAIL ALL PDF FILES TO norcallabs@eri-us.com

GLOBAL ID # T0600101354

Relinquished by:		Date	Time	Received by:	Date	Time
	CARDNO	1/16/14	1330		1/16/14	1330
Relinquished by:		Date	Time	Received by (Lab personnel):	Date	Time
Jon O'Malley TO	CAS	1/16/14	1730		1/17/14	1000

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/ Calscience Project Manager or attach specific instructions

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0940

Page 1 of 1

GSO

WESTERN STATES

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, STANTEC

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 523697919

NPS

ORC

A

GARDEN GROVE

D92841A

20255819

Print Date : 01/16/14 15:12 PM

Package 1 of 1

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-01-0940

SAMPLE RECEIPT FORM

Box 1 of 1

CLIENT: Cardno ERC DATE: 01/ /14

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

Temperature _____.___ °C - 0.3 °C (CF) = _____.___ °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 **Checked by:** 300

CUSTODY SEALS INTACT:

☑ Box ☐ _____ ☐ No (Not Intact) ☐ Not Present ☐ N/A **Checked by:** 300

☐ Sample ☐ _____ ☐ No (Not Intact) ☑ Not Present **Checked by:** 300

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	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
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® ☐_____

Aqueous: ☐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:** 300

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** 15

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:** 15

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-01-0940

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☐ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☑ **Air sample container(s) compromised** – Note in comments
  - ~~☐ **Flat**~~
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

(-4) V-INF-MW6La-2 received flat.

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: BD 01/17/14

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Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 14-01-1033

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 70235/022229C

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

RECEIVED
JAN 31 2014

BY: .....

Cecile deGuia

Approved for release on 01/31/2014 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: 14-01-1033

Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 14-01-1033

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 01/18/14. They were assigned to Work Order 14-01-1033.

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 a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

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:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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:	14-01-1033
	601 North McDowell Blvd.	Project Name:	ExxonMobil 70235/022229C
	Petaluma, CA 94954-2312	PO Number:	022229C
		Date/Time Received:	01/18/14 09:05
		Number of Containers:	10
Attn:	Rebekah Westrup		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
V-INF-DPE-1	14-01-1033-1	01/16/14 10:45	1	Air
V-INF-DPE-2	14-01-1033-2	01/16/14 13:30	1	Air
V-INF-DPE-3	14-01-1033-3	01/16/14 13:55	1	Air
V-INF-DPE-4	14-01-1033-4	01/16/14 14:45	1	Air
V-INF-DPE-5	14-01-1033-5	01/16/14 22:00	1	Air
V-INF-DPE-6	14-01-1033-6	01/17/14 01:30	1	Air
V-INF-DPE-7	14-01-1033-7	01/17/14 06:30	1	Air
V-INF-DPE-8	14-01-1033-8	01/17/14 06:45	1	Air
V-DSCHG	14-01-1033-9	01/17/14 10:28	1	Air
V-INF-DPE-9	14-01-1033-10	01/17/14 10:29	1	Air

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Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 01/18/14
Work Order: 14-01-1033
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-1	14-01-1033-1-A	01/16/14 10:45	Air	GC/MS II	N/A	01/18/14 17:06	140118L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	16	0.16	100	
Toluene	12	1.9	100	
Ethylbenzene	4.0	0.22	100	
o-Xylene	3.1	0.22	100	
p/m-Xylene	14	0.87	100	
Xylenes (total)	17	0.22	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.72	100	
Tert-Butyl Alcohol (TBA)	ND	1.5	100	
Diisopropyl Ether (DIPE)	ND	0.84	100	
Ethyl-t-Butyl Ether (ETBE)	ND	0.84	100	
Tert-Amyl-Methyl Ether (TAME)	ND	0.84	100	
1,2-Dibromoethane	ND	0.38	100	
1,2-Dichloroethane	0.30	0.20	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	113	57-129	
1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	79	78-156	

Return to Contents

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI		Date Received:	01/18/14
601 North McDowell Blvd.		Work Order:	14-01-1033
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 2 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-2	14-01-1033-2-A	01/16/14 13:30	Air	GC/MS NN	N/A	01/18/14 20:26	140118L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	31	0.32	200	
Toluene	12	3.8	200	
Ethylbenzene	12	0.43	200	
o-Xylene	7.9	0.43	200	
p/m-Xylene	31	1.7	200	
Xylenes (total)	39	0.43	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.4	200	
Tert-Butyl Alcohol (TBA)	ND	3.0	200	
Diisopropyl Ether (DIPE)	ND	1.7	200	
Ethyl-t-Butyl Ether (ETBE)	ND	1.7	200	
Tert-Amyl-Methyl Ether (TAME)	ND	1.7	200	
1,2-Dibromoethane	ND	0.77	200	
1,2-Dichloroethane	ND	0.40	200	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	57-129	
1,2-Dichloroethane-d4	84	47-137	
Toluene-d8	100	78-156	

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: 01/18/14
Work Order: 14-01-1033
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-3	14-01-1033-3-A	01/16/14 13:55	Air	GC/MS II	N/A	01/18/14 18:42	140118L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	21	0.32	200	
Toluene	9.1	3.8	200	
Ethylbenzene	11	0.43	200	
o-Xylene	8.4	0.43	200	
p/m-Xylene	31	1.7	200	
Xylenes (total)	39	0.43	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.4	200	
Tert-Butyl Alcohol (TBA)	ND	3.0	200	
Diisopropyl Ether (DIPE)	ND	1.7	200	
Ethyl-t-Butyl Ether (ETBE)	ND	1.7	200	
Tert-Amyl-Methyl Ether (TAME)	ND	1.7	200	
1,2-Dibromoethane	ND	0.77	200	
1,2-Dichloroethane	0.52	0.40	200	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	109	57-129	
1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	80	78-156	

Return to Contents

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI		Date Received:	01/18/14
601 North McDowell Blvd.		Work Order:	14-01-1033
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 4 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-4	14-01-1033-4-A	01/16/14 14:45	Air	GC/MS NN	N/A	01/18/14 18:08	140118L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	27	0.32	200	
Toluene	14	3.8	200	
Ethylbenzene	12	0.43	200	
o-Xylene	7.5	0.43	200	
p/m-Xylene	30	1.7	200	
Xylenes (total)	38	0.43	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.4	200	
Tert-Butyl Alcohol (TBA)	ND	3.0	200	
Diisopropyl Ether (DIPE)	ND	1.7	200	
Ethyl-t-Butyl Ether (ETBE)	ND	1.7	200	
Tert-Amyl-Methyl Ether (TAME)	ND	1.7	200	
1,2-Dibromoethane	ND	0.77	200	
1,2-Dichloroethane	ND	0.40	200	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	57-129	
1,2-Dichloroethane-d4	84	47-137	
Toluene-d8	97	78-156	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI		Date Received:	01/18/14
601 North McDowell Blvd.		Work Order:	14-01-1033
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 5 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-5	14-01-1033-5-A	01/16/14 22:00	Air	GC/MS NN	N/A	01/18/14 17:21	140118L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	34	0.32	200	
Toluene	20	3.8	200	
Ethylbenzene	14	0.43	200	
o-Xylene	9.1	0.43	200	
p/m-Xylene	36	1.7	200	
Xylenes (total)	45	0.43	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.4	200	
Tert-Butyl Alcohol (TBA)	ND	3.0	200	
Diisopropyl Ether (DIPE)	ND	1.7	200	
Ethyl-t-Butyl Ether (ETBE)	ND	1.7	200	
Tert-Amyl-Methyl Ether (TAME)	ND	1.7	200	
1,2-Dibromoethane	ND	0.77	200	
1,2-Dichloroethane	ND	0.40	200	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	57-129	
1,2-Dichloroethane-d4	92	47-137	
Toluene-d8	98	78-156	

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: 01/18/14
Work Order: 14-01-1033
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-6	14-01-1033-6-A	01/17/14 01:30	Air	GC/MS NN	N/A	01/18/14 21:13	140118L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	30	0.32	200	
Toluene	20	3.8	200	
Ethylbenzene	12	0.43	200	
o-Xylene	7.5	0.43	200	
p/m-Xylene	31	1.7	200	
Xylenes (total)	38	0.43	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.4	200	
Tert-Butyl Alcohol (TBA)	ND	3.0	200	
Diisopropyl Ether (DIPE)	ND	1.7	200	
Ethyl-t-Butyl Ether (ETBE)	ND	1.7	200	
Tert-Amyl-Methyl Ether (TAME)	ND	1.7	200	
1,2-Dibromoethane	ND	0.77	200	
1,2-Dichloroethane	ND	0.40	200	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	57-129	
1,2-Dichloroethane-d4	81	47-137	
Toluene-d8	98	78-156	

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: 01/18/14
Work Order: 14-01-1033
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-7	14-01-1033-7-A	01/17/14 06:30	Air	GC/MS NN	N/A	01/18/14 21:59	140118L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	31	0.32	200	
Toluene	21	3.8	200	
Ethylbenzene	12	0.43	200	
o-Xylene	6.9	0.43	200	
p/m-Xylene	28	1.7	200	
Xylenes (total)	35	0.43	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.4	200	
Tert-Butyl Alcohol (TBA)	ND	3.0	200	
Diisopropyl Ether (DIPE)	ND	1.7	200	
Ethyl-t-Butyl Ether (ETBE)	ND	1.7	200	
Tert-Amyl-Methyl Ether (TAME)	ND	1.7	200	
1,2-Dibromoethane	ND	0.77	200	
1,2-Dichloroethane	ND	0.40	200	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	57-129	
1,2-Dichloroethane-d4	82	47-137	
Toluene-d8	98	78-156	

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: 01/18/14
Work Order: 14-01-1033
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-8	14-01-1033-8-A	01/17/14 06:45	Air	GC/MS NN	N/A	01/18/14 22:45	140118L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	26	0.32	200	
Toluene	18	3.8	200	
Ethylbenzene	10	0.43	200	
o-Xylene	6.1	0.43	200	
p/m-Xylene	25	1.7	200	
Xylenes (total)	31	0.43	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.4	200	
Tert-Butyl Alcohol (TBA)	ND	3.0	200	
Diisopropyl Ether (DIPE)	ND	1.7	200	
Ethyl-t-Butyl Ether (ETBE)	ND	1.7	200	
Tert-Amyl-Methyl Ether (TAME)	ND	1.7	200	
1,2-Dibromoethane	ND	0.77	200	
1,2-Dichloroethane	ND	0.40	200	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	57-129	
1,2-Dichloroethane-d4	77	47-137	
Toluene-d8	100	78-156	

Return to Contents

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI		Date Received:	01/18/14
601 North McDowell Blvd.		Work Order:	14-01-1033
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 9 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-DSCHG	14-01-1033-9-A	01/17/14 10:28	Air	GC/MS NN	N/A	01/18/14 19:40	140118L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	0.038	0.0016	1	
Toluene	0.026	0.019	1	
Ethylbenzene	0.014	0.0022	1	
o-Xylene	0.012	0.0022	1	
p/m-Xylene	0.042	0.0087	1	
Xylenes (total)	0.054	0.0022	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Tert-Butyl Alcohol (TBA)	ND	0.015	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
1,2-Dibromoethane	ND	0.0038	1	
1,2-Dichloroethane	ND	0.0020	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	57-129	
1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	98	78-156	

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: 01/18/14
Work Order: 14-01-1033
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-9	14-01-1033-10-A	01/17/14 10:29	Air	GC/MS NN	N/A	01/19/14 09:04	140118L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	35	0.32	200	
Toluene	26	3.8	200	
Ethylbenzene	16	0.43	200	
o-Xylene	11	0.43	200	
p/m-Xylene	40	1.7	200	
Xylenes (total)	50	0.43	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.4	200	
Tert-Butyl Alcohol (TBA)	ND	3.0	200	
Diisopropyl Ether (DIPE)	ND	1.7	200	
Ethyl-t-Butyl Ether (ETBE)	ND	1.7	200	
Tert-Amyl-Methyl Ether (TAME)	ND	1.7	200	
1,2-Dibromoethane	ND	0.77	200	
1,2-Dichloroethane	ND	0.40	200	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	57-129	
1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	100	78-156	

Return to Contents

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI	Date Received:	01/18/14
601 North McDowell Blvd.	Work Order:	14-01-1033
Petaluma, CA 94954-2312	Preparation:	N/A
	Method:	EPA TO-15M
	Units:	mg/m3
Project: ExxonMobil 70235/022229C		Page 11 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-981-3901**	**N/A**	**Air**	**GC/MS II**	**N/A**	**01/18/14 14:51**	**140118L01**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0016	1	
Toluene	ND	0.019	1	
Ethylbenzene	ND	0.0022	1	
o-Xylene	ND	0.0022	1	
p/m-Xylene	ND	0.0087	1	
Xylenes (total)	ND	0.0022	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Tert-Butyl Alcohol (TBA)	ND	0.015	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
1,2-Dibromoethane	ND	0.0038	1	
1,2-Dichloroethane	ND	0.0020	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	57-129	
1,2-Dichloroethane-d4	110	47-137	
Toluene-d8	97	78-156	

Return to Contents

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI	Date Received:	01/18/14
601 North McDowell Blvd.	Work Order:	14-01-1033
Petaluma, CA 94954-2312	Preparation:	N/A
	Method:	EPA TO-15M
	Units:	mg/m3
Project: ExxonMobil 70235/022229C		Page 12 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-981-3902	N/A	Air	GC/MS NN	N/A	01/18/14 15:11	140118L01

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0016	1	
Toluene	ND	0.019	1	
Ethylbenzene	ND	0.0022	1	
o-Xylene	ND	0.0022	1	
p/m-Xylene	ND	0.0087	1	
Xylenes (total)	ND	0.0022	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Tert-Butyl Alcohol (TBA)	ND	0.015	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1	
Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
1,2-Dibromoethane	ND	0.0038	1	
1,2-Dichloroethane	ND	0.0020	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	57-129	
1,2-Dichloroethane-d4	99	47-137	
Toluene-d8	101	78-156	

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: 01/18/14
Work Order: 14-01-1033
Preparation: N/A
Method: EPA TO-3M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-1	**14-01-1033-1-A**	**01/16/14 10:45**	**Air**	**GC 13**	**N/A**	**01/18/14 11:28**	**140118L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	2400	17	2.5	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-2	**14-01-1033-2-A**	**01/16/14 13:30**	**Air**	**GC 13**	**N/A**	**01/18/14 11:45**	**140118L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	5100	35	5	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-3	**14-01-1033-3-A**	**01/16/14 13:55**	**Air**	**GC 13**	**N/A**	**01/18/14 11:57**	**140118L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	5000	35	5	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-4	**14-01-1033-4-A**	**01/16/14 14:45**	**Air**	**GC 13**	**N/A**	**01/18/14 12:07**	**140118L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	9900	70	10	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-5	**14-01-1033-5-A**	**01/16/14 22:00**	**Air**	**GC 13**	**N/A**	**01/18/14 12:20**	**140118L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	6400	70	10	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-6	**14-01-1033-6-A**	**01/17/14 01:30**	**Air**	**GC 13**	**N/A**	**01/18/14 12:31**	**140118L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	6300	70	10	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-7	**14-01-1033-7-A**	**01/17/14 06:30**	**Air**	**GC 13**	**N/A**	**01/18/14 12:42**	**140118L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	6000	70	10	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-8	**14-01-1033-8-A**	**01/17/14 06:45**	**Air**	**GC 13**	**N/A**	**01/18/14 12:51**	**140118L01**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	8100	70	10	

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: 01/18/14
Work Order: 14-01-1033
Preparation: N/A
Method: EPA TO-3M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-DSCHG	14-01-1033-9-A	01/17/14 10:28	Air	GC 13	N/A	01/18/14 11:05	140118L01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	40	7.0	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-DPE-9	14-01-1033-10-A	01/17/14 10:29	Air	GC 13	N/A	01/18/14 13:01	140118L01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	6500	70	10	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	098-01-005-5211	N/A	Air	GC 13	N/A	01/18/14 09:32	140118L01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	7.0	1	

Return to Contents

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

Calscience Environmental Laboratories, Inc.

Quality Control - Sample Duplicate

Cardno ERI		Date Received:	01/18/14
601 North McDowell Blvd.		Work Order:	14-01-1033
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-3M
Project: ExxonMobil 70235/022229C			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-01-1032-2	Sample	Air	GC 13	N/A	01/18/14 10:38	140118D01
14-01-1032-2	Sample Duplicate	Air	GC 13	N/A	01/18/14 10:54	140118D01

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
TPH as Gasoline	10.06	9.290	8	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

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

Project: ExxonMobil 70235/022229C

Date Received: 01/18/14
Work Order: 14-01-1033
Preparation: N/A
Method: EPA TO-15M

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-3901	LCS	Air	GC/MS II	N/A	01/18/14 12:21	140118L01
099-12-981-3901	LCSD	Air	GC/MS II	N/A	01/18/14 13:13	140118L01

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	0.07987	0.07989	100	0.07876	99	60-156	44-172	1	0-40	
Toluene	0.09421	0.09255	98	0.09113	97	56-146	41-161	2	0-43	
Ethylbenzene	0.1086	0.1097	101	0.1073	99	52-154	35-171	2	0-38	
o-Xylene	0.1086	0.1083	100	0.1065	98	52-148	36-164	2	0-38	
p/m-Xylene	0.2171	0.2135	98	0.2082	96	42-156	23-175	3	0-41	
Methyl-t-Butyl Ether (MTBE)	0.09013	0.09454	105	0.09252	103	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	0.1516	0.1520	100	0.1466	97	60-140	47-153	4	0-30	
Diisopropyl Ether (DIPE)	0.1045	0.1026	98	0.09871	94	60-140	47-153	4	0-30	
Ethyl-t-Butyl Ether (ETBE)	0.1045	0.1117	107	0.1094	105	60-140	47-153	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	0.1045	0.1083	104	0.1062	102	60-140	47-153	2	0-30	
1,2-Dibromoethane	0.1921	0.2002	104	0.1975	103	54-144	39-159	1	0-36	
1,2-Dichloroethane	0.1012	0.1155	114	0.1132	112	69-153	55-167	2	0-35	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

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

Project: ExxonMobil 70235/022229C

Date Received: 01/18/14
Work Order: 14-01-1033
Preparation: N/A
Method: EPA TO-15M
Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-3902	LCS	Air	GC/MS NN	N/A	01/18/14 12:40	140118L01
099-12-981-3902	LCSD	Air	GC/MS NN	N/A	01/18/14 13:31	140118L01

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	0.07987	0.08070	101	0.07805	98	60-156	44-172	3	0-40	
Toluene	0.09421	0.09979	106	0.1025	109	56-146	41-161	3	0-43	
Ethylbenzene	0.1086	0.1117	103	0.1163	107	52-154	35-171	4	0-38	
o-Xylene	0.1086	0.1106	102	0.1125	104	52-148	36-164	2	0-38	
p/m-Xylene	0.2171	0.2230	103	0.2287	105	42-156	23-175	3	0-41	
Methyl-t-Butyl Ether (MTBE)	0.09013	0.08508	94	0.08154	90	50-150	33-167	4	0-35	
Tert-Butyl Alcohol (TBA)	0.1516	0.1648	109	0.1330	88	60-140	47-153	21	0-30	
Diisopropyl Ether (DIPE)	0.1045	0.08964	86	0.08632	83	60-140	47-153	4	0-30	
Ethyl-t-Butyl Ether (ETBE)	0.1045	0.08878	85	0.08733	84	60-140	47-153	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	0.1045	0.09392	90	0.09051	87	60-140	47-153	4	0-30	
1,2-Dibromoethane	0.1921	0.1962	102	0.2041	106	54-144	39-159	4	0-36	
1,2-Dichloroethane	0.1012	0.09109	90	0.08807	87	69-153	55-167	3	0-35	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Cardno ERI		Date Received:	01/18/14
601 North McDowell Blvd.		Work Order:	14-01-1033
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-3M
Project: ExxonMobil 70235/022229C			Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
098-01-005-5211	LCS	Air	GC 13	N/A	01/18/14 09:22	140118L01

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	932.5	844.1	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: 14-01-1033

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 suspected matrix interference.
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.
BV	Sample received 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 suspected matrix interference.
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 was in control.
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.
JA	Analyte positively identified but quantitation is an estimate.
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 Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
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.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

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: David R. Daniels [david.daniels@cardno.com]
Sent: Monday, January 20, 2014 11:05 AM
To: Sandy Tat; Azat Magdanov
Subject: RE: ExxonMobil 70235/022229C (14-01-1033)
Attachments: 14-01-1033 Revised.pdf

In this case the COC times are correct for CEL#9 and CEL#10. The sampler remembers sampling the effluent (EFF) first. I completed the time for CEL#7 and attached a revised COC.

David R. Daniels, PG 8737
PROJECT GEOLOGIST
CARDNO ERI

Phone (+1) 707-766-2000 Fax (+1) 707-789-0414 Direct (+1) 707-766-2024 Mobile (+1) 707-338-6997
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email david.daniels@cardno.com Web www.cardno.com www.cardnoeri.com

From: Sandy Tat [mailto:stat@calscience.com]
Sent: Monday, January 20, 2014 10:20 AM
To: David R. Daniels; Azat Magdanov
Subject: ExxonMobil 70235/022229C (14-01-1033)
Importance: High

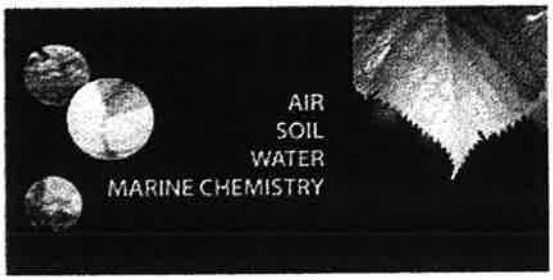
Hi David / Azat,

Please verify the sampling time for sample (V-DSCHG)(Cel# 9) & (V-INF-DPE-9)(Cel# 10). Please see attached Sample Anomaly Form. Please also verify the sampling time for sample (V-INF-DPE-7).

Thanks!

Sandy Tat
Project Manager Assistant

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 14-01-1033

Consultant Name: Cardno ERI
Consultant Address: 601 N McDowell Boulevard
Consultant City/State/Zip: Petaluma, CA 94954
ExxonMobil Project Mgr: Jennifer Sedlachek
Consultant Project Mgr: Rebekah Westrup
Consultant Telephone Number: (707) 766-2000 Fax No.:
Sampler Name (Print): Corey Weigel
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, CA
Oversight Agency: Alameda County Health Care Services

	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: TPHd 8015 B	TPHg by EPA TO-3M 8015	BTEX MTBE TO-15 (M)	Oxygenates 8260B	Methanol 8015B	Motor Oil by 8015B	Kerosene by 8015B	RUSH TAT (Pre-Scheduled)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	V-INF-DPE-1	EVENT-INF	1/16/14	1045	1													1						1			X	X							X	
2	V-INF-DPE-2	EVENT-INF	1/16/14	1330	1													1						1			X	X							X	
3	V-INF-DPE-3	EVENT-INF	1/16/14	1255	1													1						1			X	X							X	
4	V-INF-DPE-4	EVENT-INF	1/16/14	1445	1													1						1			X	X							X	
5	V-INF-DPE-5	EVENT-INF	1/16/14	2200	1													1						1			X	X							X	
6	V-INF-DPE-6	EVENT-INF	1/17/14	0130	1													1						1			X	X							X	
7	V-INF-DPE-7	EVENT-INF	1/17/14	0430	1													1						1			X	X							X	
8	V-INF-DPE-8	EVENT-INF	1/17/14	~~0630~~ 0645	1													1						1			X	X							X	
9	V-DSCH6	EVENT-EFF	1/17/14	1028	1													1						1			X	X							X	
10	V-INF-DPE-9	EVENT-INF	1/17/14	1029	1													1						1			X	X							X	

Comments/Special Instructions:
TO-15 to include BTEX, MTBE, DIPE, ETBE, TAME, TBA, 1,2DCA, EDB
PLEASE E-MAIL ALL PDF FILES TO
GLOBAL ID # T0600101354

Relinquished by:		Date	Time	Received by:	Date	Time
		1/17/14	1055	Tom Malley	1/17/14	1055
Relinquished by: Tom Malley 1650		Date 1/17/14	Time 1730	Received by (Lab personnel):	Date 1/18/14	Time 0905

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

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Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841
Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil 14-01-1033

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, CA 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.:** | **Site Address:** 2225 Telegraph Avenue
Sampler Name (Print): Corey Weiand | **Site City, State, Zip:** Oakland, CA
Sampler Signature: | **Oversight Agency:** Alameda County Health Care Services

	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: *TPHd 8015 B	by EPA TO-3M TPHg	BTEX MTBE TO-15 (M)	Oxygenates 8260B	Methanol 8015B	Motor Oil by 8015B	Kerosene by 8015B		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	V-INF-DPE-1	EVENT-INF	1/16/14	1045	1													1						1			X	X								X	
2	V-INF-DPE-2	EVENT-INF	1/16/14	1330	1													1						1			X	X								X	
3	V-INF-DPE-3	EVENT-INF	1/16/14	1355	1													1						1			X	X								X	
4	V-INF-DPE-4	EVENT-INF	1/16/14	1445	1													1						1			X	X								X	
5	V-INF-DPE-5	EVENT-INF	1/16/14	2200	1													1						1			X	X								X	
6	V-INF-DPE-6	EVENT-INF	1/17/14	0130	1													1						1			X	X								X	
7	V-INF-DPE-7	EVENT-INF	1/17/14	063	1													1						1			X	X								X	
8	V-INF-DPE-8	EVENT-INF	1/17/14	~~0630~~ 0645	1													1						1			X	X								X	
9	V-DSCHG	EVENT-EFF	1/17/14	1028	1													1						1			X	X								X	
10	V-INF-DPE-9	EVENT-INF	1/17/14	1029	1													1						1			X	X								X	

Comments/Special Instructions:
TO-15 to include BTEX, MTBE, DIPE, ETBE, TAME, TBA, 1,2 DCA, EDB
PLEASE E-MAIL ALL PDF FILES TO norcallabs@eri-us.com
GLOBAL ID # T0600101354

Relinquished by:		Date	Time	Received by:	Date	Time
		1/17/14	1055	Tom Malley	1/17/14	1055
Relinquished by:		Date	Time	Received by (Lab personnel):	Date	Time
Tom Malley T0650		1/17/14	1730		1/18/14	0905

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/ Calscience Project Manager or attach specific instructions

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1033

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

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 523708603

SDS

ORC

A

GARDEN GROVE

D92843A

20307950

Print Date : 01/17/14 14:44 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 #: 14-01-[1][0][3][3]

SAMPLE RECEIPT FORM

Box 1 of 1

CLIENT: Cardno ERI DATE: 01/18/14

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

Temperature 3.6 °C - 0.3 °C (CF) = 3.3 °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 Checked by: SV2

CUSTODY SEALS INTACT:

☑ Box ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Checked by: SV2

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: SV2

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	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
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® ☐_____

Aqueous: ☐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: SV2

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

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: TTG

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-01-1633

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

(-9) V-DSCHG Collection time per label is 1029

(-10) V-inf-DPE-9 Collection time per label is 1028

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: SD2 01/8/14

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APPENDIX D

WASTE DISPOSAL DOCUMENTATION

NON-HAZARDOUS Waste Hauler Document Daily Field Ticket No. 83876

p.2

7073743324

GENERATOR

Name: Exxon Mobil # 7-0235

EPA #

Address: 2225 Telegraph Ave Oakland

DESIGNATED TSD FACILITY

Name: Onetrust

EPA #

Address: 1105 Airport Rd Pittsburg

ALTERNATE TDS FACILITY

Name:

EPA #

Address:

Order Placed: Order Date:

WASTE

☐ - DRILLING MUD ☐ - GASWELL WATER ☒ - OTHER Purge Waters

Weight/Volume 600 Units Gal Container: ☐ - Dump Truck ☒ - Tank Truck

This material is nonhazardous because:
1) it is a drilling mud containing only the additives listed by the Department in its exemption letter and contains no significant concentrations of toxic materials from natural sources, or 2) is a sulfur-dioxide scrubber solution from a sodium hydroxide or sodium carbonate oil field boiler scrubber system, and possesses no characteristics that would require its handling as a hazardous waste.

SIGNATURE OF AUTHORIZED AGENT

1/17/14
DATE

TRANSPORTER

Warren E. Gomes Exc., Inc.
P. O. Box 369
Rio Vista, CA 94571
(707) 374-2881
EPA # CAD076557370

Job No. Cardax - ERF

Unit No. 24

Pick-Up Date 1-17-14

SIGNATURE OF BUYER

TSD FACILITY

Name TSI

EPA #

QTY Measured 600 Gal

☐ - BBL ☐ - TONS ☒ - OTHER

SIGNATURE OF AUTHORIZED AGENT

1-17-14
DATE

Method of Disposal:
- ☐ - Injection Well
- ☐ - Landfill
- ☐ - Land Treatment
- ☐ - Surface Impoundment
- ☒ - Other RTC

TSDF COPY

InStrat, Inc

Feb 12 14 12:00p