ExxonMobil Environmental Services Company
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Jennifer C. Sedlachek
Project Manager

ExxonMobil

October 19, 2009

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

RE: Former Exxon RAS #73006/720 High Street, Oakland, California.

Dear Ms. Jakub:

Attached for your review and comment is a copy of the letter report entitled ***Site Assessment Report,*** dated October 19, 2009, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details assessment activities pertaining to 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: ERI's Site Assessment Report, dated October 19, 2009

cc: w/ attachment
Mr. Mansour Sepehr, Ph.D., P.E., SOMA Environmental Engineering, Incorporated
Mr. Mo Mashoon, Mash Petroleum, Inc.
Mr. Victor Chu

w/o attachment
Ms. Paula Sime, Environmental Resolutions, Inc.

VALUE, QUALITY, RESPONSE

Southern California
Northern California
Central California
Pacific Northwest
New England
Southwest
Montana
Texas

October 19, 2009
ERI 201003.R31

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

SUBJECT **Site Assessment Report**
Former Exxon Service Station 73006
720 High Street, Oakland, California

ACEH Fuel Leak Case No. RO0000491

Ms. Sedlachek:

At the request of ExxonMobil Environmental Services Company, on behalf of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) prepared this site assessment report for the subject site. Following the burial of monitoring wells MW4 and MW12 during station renovations and the destruction of offsite well MW1 to allow installation of a high pressure gas line by Pacific Gas and Electric (PG&E) beneath the Interstate 880 freeway, the Alameda County Health Care Services Agency Department of Environmental Health (ACEH), in electronic correspondence dated March 3, 2009 (Appendix A), requested installation of monitoring wells to restablish a proper monitoring network at the site. The work was conducted in accordance with ERI's *Work Plan for Well Installation* (Work Plan), dated April 27, 2009, which was approved in the ACEH letter dated June 25, 2009, and the *Addendum to Work Plan for Well Installation,* dated July 29, 2009, which was approved in electronic correspondence dated July 20, 2009 (Appendix A). The work consisted of the installation of groundwater monitoring wells MW16A through MW19A and MW16B through MW19B.

SITE DESCRIPTION

Former Exxon Service Station 73006 is located on the southeastern corner of the intersection of High Street and Coliseum Way, Oakland, California (Plate 1). The surrounding areas consist of commercial properties.

The subject site operated as an Exxon-branded service station from 1970 to 1987. Prior to use as a service station, the site was used as an oil storage and distribution facility (1912 to 1934), an automobile junkyard (1953 to 1969), and a dump site (prior to 1970) (RESNA, 1993a). The site is currently an active Gas and Food-branded station owned and operated by Mash Petroleum, Inc.

LOCAL GEOLOGY

The local geology of the site consists primarily of clay and silt with lenses of sand and gravel. Cross sections were prepared using boring logs, CPT logs, and monitoring well construction details to illustrate subsurface conditions. The cross section location map and cross sections A-A', B-B', and C-C' are provided in Appendix B.

PREVIOUS WORK

Cumulative soil analytical results are summarized in Tables 1A and 1B. Cumulative groundwater analytical results are summarized in Tables 2A and 2B. Well construction details are presented on Table 3.

Fueling System Activities

From 1912 to 1934, Standard Oil Company of California (currently known as Chevron U.S.A.) operated an oil storage and distribution facility on the southwestern part of the site. Up to six aboveground storage tanks were on site during this period. From 1953 to 1969, Mr. and Mrs. Roy Hatton purchased the northeastern part of the site and used the property as an automobile junkyard. In 1970, Humble Oil and Refining Company purchased the property and built an Exxon service station. In 1987, ExxonMobil discontinued operation at the site, and the property was sold to Victor and Lye Kyin Chu. In April 1987, four USTs (10,000-, 8,000-, and 6,000-gallon gasoline tanks, and 1,000-gallon used-oil tank) were excavated and removed from the site by Pacific Southwest Construction and Service (AGS, 1987a). The property was vacant from 1987 to 1991. In 1991, new USTs were installed in the northern portion of the site. In 2004, the property was sold to Mash Petroleum, Inc. and currently is operated as a Gas and Food-branded service station, restaurant, and car wash.

Site Assessment Activities

Multiple phases of assessment have been conducted since 1987. A complete summary of historical site activities is provided in ERI's *Site Conceptual Model* (SCM) dated May 24, 2005 (ERI, 2005). A Generalized Site Plan showing soil boring and well locations is presented as Plate 2.

Recent assessment activities conducted during 2005 and 2006 include the advancement of nine direct-push borings (DP1 through DP9), nine CPT borings (CPT1 through CPT7 and CPT11 and CPT12), and three Hydropunch® (HP) borings (HP7, HP11, and HP12) (ERI, 2007a). The direct-push borings were advanced on site and off site to the west and south of the site. The CPT and HP borings were advanced on site and off site to the southwest underneath Interstate-880 and to the south of the site. Results of the direct-push and CPT assessments indicated maximum TPHd, TPHg, benzene, and MTBE concentrations in soil of 12,000 mg/kg, 1,190 mg/kg, 7.79 mg/kg, and 0.0230 mg/kg, respectively. Residual soil concentrations are primarily present in the capillary fringe and vadose zones (2 to 10 feet bgs). Results of the assessment indicated maximum TPHd, TPHg, benzene, and MTBE concentrations in groundwater of 182,000 µg/L, 1,060,000 µg/L, 7,000 µg/L, and 299 µg/L, respectively. Results of the 2006 assessment activities indicate concentrations of residual hydrocarbons in soil and dissolved hydrocarbons in groundwater are present off site to the west and southwest and south of the site.

Remediation Activities

ExxonMobil's remedial efforts at the site have included excavation, product bailing, groundwater extraction, vapor extraction, air sparging, and biosparging.

In May and July 1987, approximately 760 cubic yards of soil were excavated, aerated, and subsequently removed from the site (AGS, 1987b). In January 1991, approximately 500 cubic yards of soil were excavated from the northwestern corner of the site for the new UST cavity (AGS, 1991).

In 1989, approximately 27 gallons of LPH were removed from on-site wells. In 1993, petrotraps were installed in wells MW2, MW4, and MW6, and 6.3 gallons of LPH were removed (RESNA, 1993b). The GWPTS system operated from January 1995 to December 1998, the AS/SVE system operated from August 1996 to July 1999, and the biosparge system operated from July 2001 to June 2003.

The GWPTS system was designed to treat separate-phase and dissolved petroleum hydrocarbons in groundwater extracted from the interceptor trench beneath the site. Pneumatic pumps were installed in extraction wells RW2 and RW5 to recover groundwater from the interceptor trench. Subsurface and aboveground collection piping were used to transfer extracted groundwater to a holding tank. A transfer

pump and PVC piping were used to direct the water stream from the holding tank through water filters, an air stripper, and subsequently through liquid-phase GAC canisters connected in series. The treated groundwater was discharged to the sanitary sewer regulated by East Bay Municipal Utilities District (EBMUD). The GWPTS system operated from 1995 to 1998 and was shut down when influent concentrations decreased. The GWPTS system removed approximately 10 pounds of TPHg and 3 pounds of benzene (ERI, 1999a; ERI, 1999b).

The AS/SVE system consisted of six air-sparging wells (AS1 through AS6) for air injection, three vadose wells (VW1 through VW3) for vapor extraction within an on-site interceptor trench, a water knock-out tank, a Thermtech VAC-25 thermal/oxidizer, a Gast air compressor, and a propane tank for supplemental fuel. The AS/SVE system operated from 1996 to 1999 and removed approximately 5,144 pounds of TPHg and 61 pounds of benzene (ERI, 1999b). The AS/SVE system was shut down when influent TPHg concentrations decreased to near the laboratory reporting limits and TPHg removal rates reached asymptotic conditions.

The biosparge system used an air compressor to inject air into the on-site groundwater interceptor trench to enhance biodegradation. The biosparge system operated from 2001 to 2003.

Groundwater Monitoring Activities

Quarterly groundwater monitoring was implemented at the site in 1989. Measurable LPH was detected in wells MW3, MW4, MW6, VW2, and VW3 in the area of the former USTs and in wells MW2 and MW8 in the area of the former product piping from 1989 through 1994 (ERI, 2005). Hydrocarbon sheen has also been identified in wells MW1, MW5, MW7, MW12, MW13, MW14, and MW15 (ERI, 2005). Hydrocarbon sheen was most recently observed in wells MW8, MW12, and MW13 in June 1999. LPH was observed in water samples collected from boring CPT2 in April 2005 (ERI, 2005). Approximately 27 gallons of LPH were removed in July and August 1989 from wells MW2, MW3, MW4, and MW8. Approximately 6.3 gallons of LPH were removed in February and March 1993 (RESNA, 1993b).

In 2006, as part of upgrades to PG&E gas lines, California Department of Transportation (CalTrans) required removal of downgradient groundwater monitoring well MW1 located across Coliseum way in the Caltrans right-of-way beneath Interstate 880 freeway. ERI observed the destruction of the well on March 26, 2007 (ERI, 2007b). In 2001, groundwater monitoring wells MW4 and MW12 were paved over during station renovations. ERI's attempts to locate and uncover the original wells have been unsuccessful (ERI, 2009). In 2008, groundwater monitoring wells MW2 and MW6 were paved over during additional station renovations. Wells MW2 and MW6 were uncovered, purged, and sampled on January 16, 2009 (ERI, 2009). The wells were in good condition with the well boxes, lids, and well caps intact and the casings undisturbed; therefore, rehabilitation was not necessary.

Historical data indicates that the groundwater flow direction is towards the southwest. Prior to this investigation four groundwater monitoring wells were accessible for use (MW2, MW3, MW6, and MW14) (Plate 3).

SUBSURFACE INVESTIGATION

In response to the ACEH request, ERI proposed the installation of wells MW16A through MW19A and MW16B through MW19B at the subject site. ERI performed the fieldwork in accordance with the Work Plan, ERI's standard field protocol (Appendix C), a site-specific health and safety plan, applicable regulatory guidelines, and under the advisement of a professional geologist.

Pre-Field Activities

Prior to field activities, ERI obtained drilling permits from the Alameda County Public Works (Appendix D), notified Underground Service Alert (USA), and contracted a private utility-locating company to locate underground utilities at the site. Between August 17 and 20, 2009, ERI observed Woodward Drilling Company (Woodward), of Rio Vista, California, advance soil borings MW16A through MW19A and MW16B through MW19B to approximately 8 feet bgs using air tools and vacuum excavation equipment.

Groundwater Monitoring Well Installations

From August 24 through 26, 2009, ERI observed Woodward install groundwater monitoring wells MW16A through MW19A and MW16B through MW19B at the subject site. Select soil samples were preserved for laboratory analysis. Procedures were followed and are described in the standard field protocols (Appendix C).

Each of the borings was completed as a 2-inch PVC monitoring well with 0.020-inch slotted PVC screen. Groundwater was first encountered at 2 feet in boring MW18B; at 8 feet bgs in boring MW16A; at 10 feet bgs in borings MW16B, MW17A, MW17B, MW18A, and MW19A; and at 15 feet bgs in boring MW19B. Well construction details are presented on the boring logs in Appendix E and in Table 3.

ERI will sample the eight newly installed groundwater monitoring wells in accordance with the field protocol (Appendix C) during the fourth quarter 2009 monitoring and sampling event. Results of that sampling event will be presented in the fourth quarter 2009 monitoring and sampling report.

Laboratory Analyses

ERI submitted soil samples for analysis to a state-certified laboratory. Laboratory analytical reports and COC records are provided in Appendix F. Cumulative soil sample analytical data and testing methods are summarized on Tables 1A and 1B.

Well Development

From September 1 through 3, 2009, ERI observed Woodward develop monitoring wells MW16A through MW19A and MW16B through MW19B using a drill rig equipped with a 2-inch diameter surge block and an electric pump equipped with a digital flow meter. Well development protocols were followed and are provided in Appendix C. Field data are included in Appendix G.

Site Survey

On September 3, 2009, ERI observed Morrow Surveying (Morrow), of West Sacramento, California, survey the locations, well box elevations, and top-of-casing elevations for wells MW16A through MW19A and MW16B through MW19B. The survey data is included in Appendix H.

Waste Management

The decontamination rinsate water and drill cuttings were temporarily stored on site in DOT-approved, sealed 55-gallon drums. Soil was transported to CleanHarbors in Buttonwillow, California, for disposal on September 17, 2009. Decontamination/development water was transported to InStrat, Inc., of Rio Vista, California, for recycling. Copies of the non-hazardous waste manifests for disposal of soil cuttings and groundwater are included in Appendix I.

RESULTS OF INVESTIGATION

Site Geology

During this investigation up to 5 feet of fill was observed beneath the asphalt/concrete surface; native soil consisting of units of silt and clay were observed from 2.5 feet bgs to approximately 8 feet bgs, 15 to 20 feet bgs, and 25 to 30 feet bgs. Units of sand, clayey sand, and clayey gravel extended from approximately 8 feet bgs to 15 feet bgs (containing the first-encountered groundwater), 20 feet bgs to 25 feet bgs, and 30 feet bgs to 31feet bgs the maximum depth investigated.

Hydrocarbons in Soil

Concentrations of TPHd, TPHg, ethylbenzene, total xylenes, and MTBE were reported in soil samples collected during this investigation (Plate 3). Constituents of concern were not reported in soil samples collected below 23 feet bgs. Concentrations of TBA, DIPE, ETBE, TAME, 1,2-DCA, EDB, and ethanol were not reported in soil samples collected during this investigation (Table 1B). Select soil analytical results are presented on Plate 3.

CONCLUSIONS

Sediment observed during the advancement of borings MW16A through MW19A and MW16B through MW19B was consistent with observations made during previous investigations at the site.

The purpose of the work was to re-establish a thorough groundwater monitoring network at the site following destruction of offsite well MW1 for placement of a PG&E high pressure gas line and burial of wells MW4 and MW12 during station renovations.

Though Caltrans originally requested that groundwater monitoring well MW1 be destroyed and moved to allow for installation of the PG&E gas pipeline, Caltrans as not reissued an encroachment permit to allow reinstallation of monitoring well MW1. In December of 2008 Caltrans personnel noted that because of Seismic Retrofit Project EA 04-165421, on Highway 880 at the High Street Bridge, areas nearby and underneath the bridge would be under heavy construction with the High Street Bridge eventually demolished and replaced with a seismic retrofit. They indicated that work would begin sometime around June 2009 and would last approximately 4 years.

Wells MW16A through MW19A and MW16B through MW19B will provide depth discrete groundwater gradient data and provide ongoing monitoring points for the evaluation of for allow for further evaluation of the lateral and vertical extent of dissolved-phase hydrocarbons in groundwater beneath the site.

RECOMMENDATIONS

ERI recommends that wells MW16A through MW19A and MW16B through MW19B be sampled on a quarterly schedule for a minimum of one year.

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. Paula Sime, Environmental Resolutions, Inc., 601 N. McDowell Boulevard, Petaluma, California 94954. The agency contact is Ms. Barbara Jakub, P.G., Alameda County Health Care Services Agency, Department of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, California 94502-6577.

LIMITATIONS

For any reports cited that were not generated by ERI, the data taken from those reports is used "as is" and is assumed to be accurate. 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 reports.

This document was prepared in accordance with generally accepted standards of environmental, geological, and engineering practices 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.

For any questions concerning the content of this report, please contact Ms. Paula Sime at (707) 766-2000.

Sincerely,

Environmental Resolutions, Inc.

Rebekah A. Westrup
Senior Staff Geologist

Heidi L. Dieffenbach-Carle
P.G. 6793

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

Mr. Mansour Sepehr, Ph.D., P.E., SOMA Environmental Engineering, Incorporated, 6620 Owens Drive, Suite A, Pleasanton, California 94588

Mr. Mohammed Mashoon, Mash Petroleum, 428 13th Street, 10th Floor, Oakland, California 94612

Mr. Victor Chu, 3915 Forest Hill Avenue, Oakland, California 94602

Enclosures:

References
Acronym List

Plate 1	Site Vicinity Map
Plate 2	Generalized Site Plan
Plate 3	Select Soil Analytical Results
Table 1A	Cumulative Soil Analytical Data
Table 1B	Additional Cumulative Soil Analytical Data
Table 2A	Cumulative Groundwater Monitoring and Sampling Data
Table 2B	Additional Cumulative Groundwater Monitoring and Sampling Data
Table 3	Well Construction Details
Appendix A	Correspondence
Appendix B	Historic Cross-Sections
Appendix C	Field Protocols
Appendix D	Permits
Appendix E	Boring Logs
Appendix F	Laboratory Analytical Reports
Appendix G	Field Data
Appendix H	Survey Data
Appendix I	Waste Documentation

REFERENCES

Applied GeoSystems (AGS). May 13, 1987a. *Transmittal of letter report No. 87042-1 for the First Phase Soil Contamination Evaluation at Exxon Service Station No. 7-3006 located at 720 High Street, Oakland, California.*

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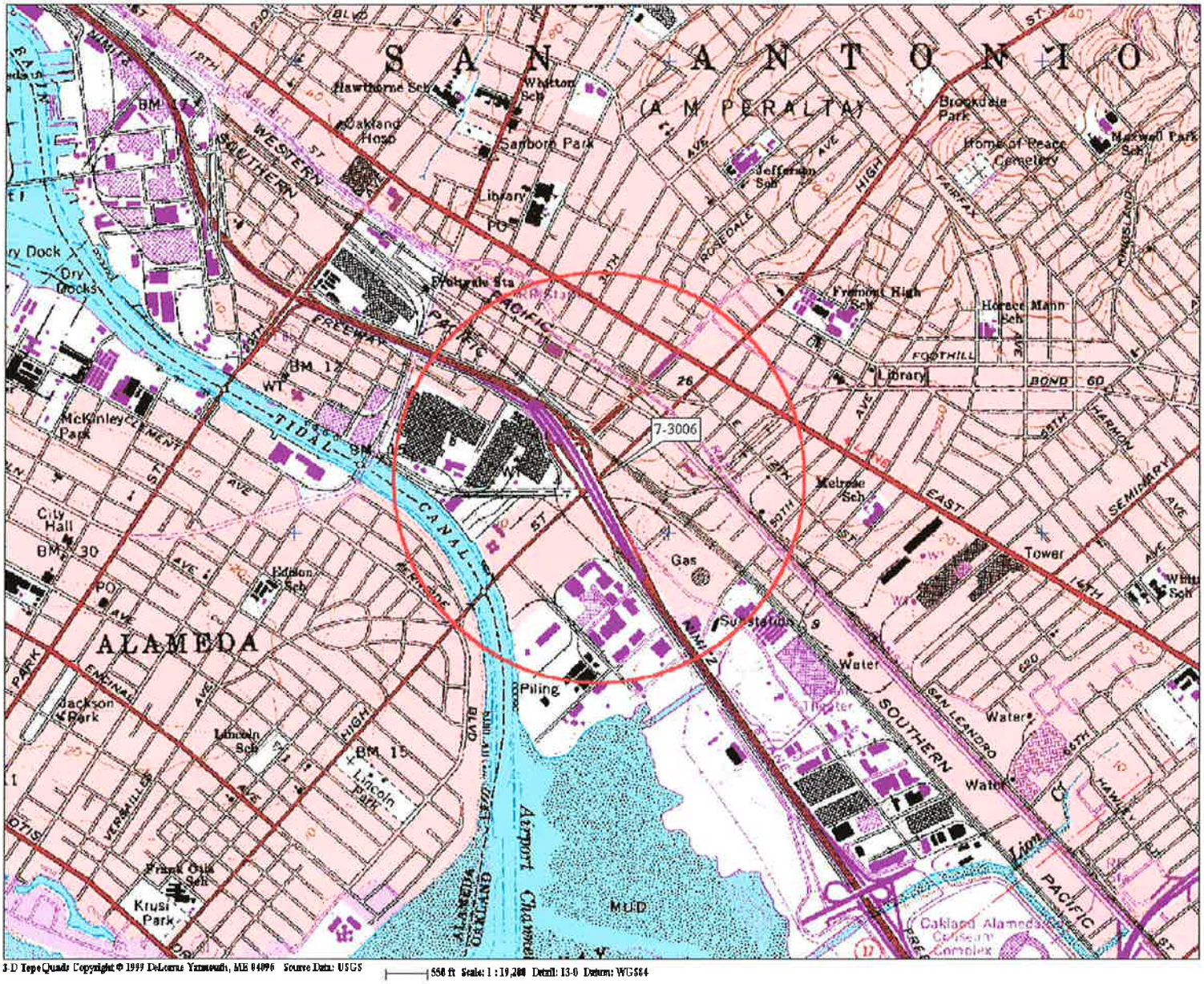
RESNA Industries, Inc. (RESNA). March 24, 1993a. *Findings of a Limited Record Search, Exxon Station 7-3006, 720 High Street, Oakland, California.*

RESNA Industries, Inc. (RESNA). April 16, 1993b. *Interim Remediation Investigation at 720 High Street, Oakland, California.*

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 2010

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

ERI
VALUE, QUALITY, RESPONSE

SITE VICINITY MAP

FORMER EXXON SERVICE STATION 73006
720 High Street
Oakland, California

PROJECT NO.
2010

PLATE
1

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VALUE, QUALITY, RESPONSE

GENERALIZED SITE PLAN

FORMER
EXXON SERVICE STATION 73006
720 High Street
Oakland, California

EXPLANATION

- MW19B — Groundwater Monitoring Well
- DP9 — Direct-Push Boring
- CPT12 — Cone Penetration Test Boring
- HP12 — Hydropunch Boring
- MW15 — Destroyed Groundwater Monitoring Well
- VW3/B37 — Soil Vapor Extraction Well
- MW12/B12 — Well Paved over - Inaccessible
- AS6 — Air Sparge Well
- RW4 — Recovery Well
- RW7 — Destroyed Recovery Well

PROJECT NO. 2010

PLATE 2

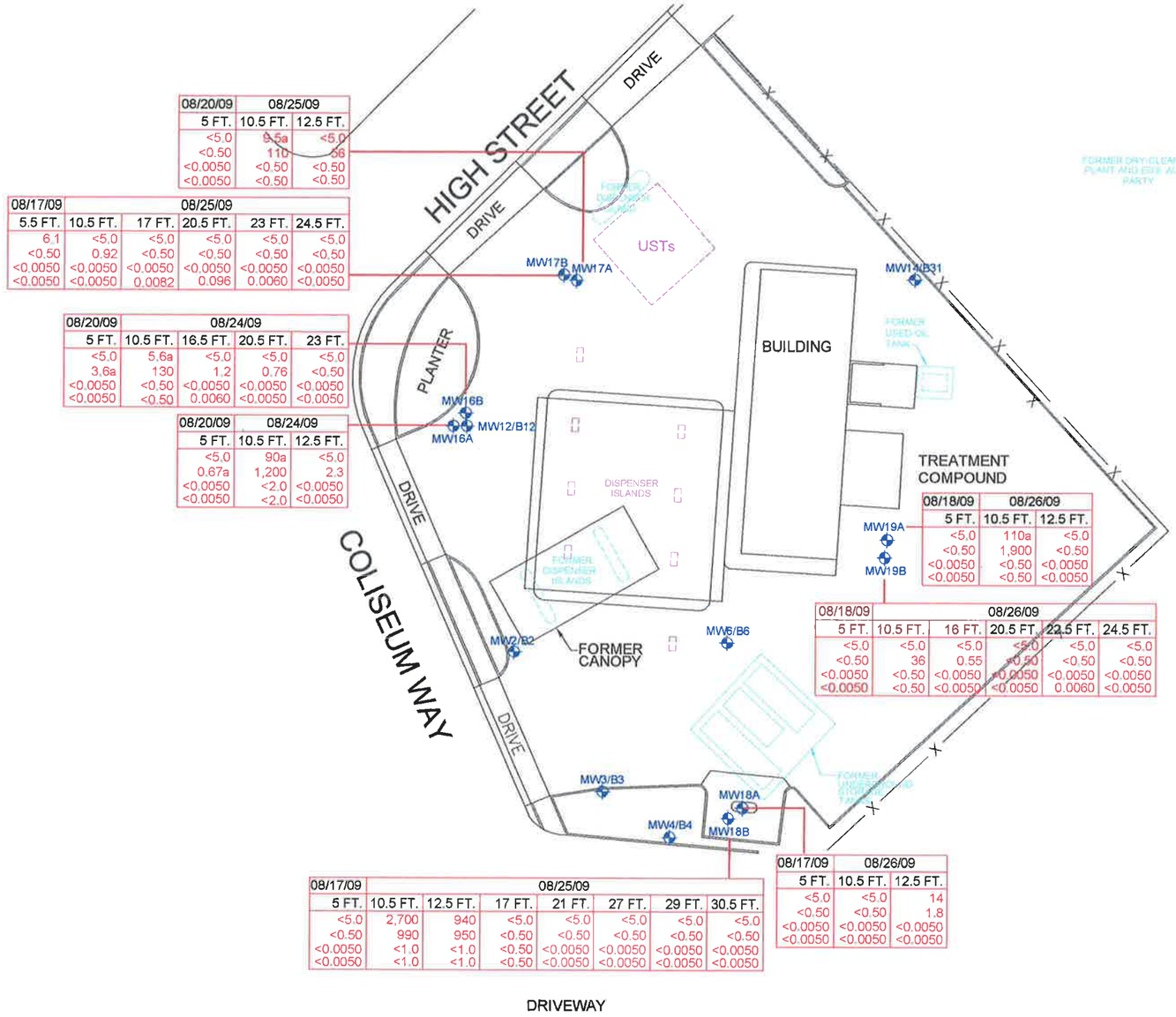
Analyte Concentrations in mg/kg

Sample Date
Sample Depth
Total Petroleum Hydrocarbons as diesel
Total Petroleum Hydrocarbons as gasoline
Benzene
Methyl Tertiary Butyl Ether

< Less Than the Stated Laboratory Reporting Limit

mg/kg Milligrams per kilogram

a Result is not consistent with specified fuel



08/20/09	08/25/09	
5 FT.	10.5 FT.	12.5 FT.
<5.0	3.5a	<5.0
<0.50	110	36
<0.0050	<0.50	<0.50
<0.0050	<0.50	<0.50

08/17/09	08/25/09				
5.5 FT.	10.5 FT.	17 FT.	20.5 FT.	23 FT.	24.5 FT.
6.1	<5.0	<5.0	<5.0	<5.0	<5.0
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<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
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08/20/09	08/24/09			
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3.6a	130	1.2	0.76	<0.50
<0.0050	<0.50	<0.0050	<0.0050	<0.0050
<0.0050	<0.50	0.0060	<0.0050	<0.0050

08/20/09	08/24/09	
5 FT.	10.5 FT.	12.5 FT.
<5.0	90a	<5.0
0.67a	1,200	2.3
<0.0050	<2.0	<0.0050
<0.0050	<2.0	<0.0050

08/18/09	08/26/09	
5 FT.	10.5 FT.	12.5 FT.
<5.0	110a	<5.0
<0.50	1,900	<0.50
<0.0050	<0.50	<0.0050
<0.0050	<0.50	<0.0050

08/18/09	08/26/09				
5 FT.	10.5 FT.	16 FT.	20.5 FT.	22.5 FT.	24.5 FT.
<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
<0.50	36	0.55	<0.50	<0.50	<0.50
<0.0050	<0.50	<0.0050	<0.0050	<0.0050	<0.0050
<0.0050	<0.50	<0.0050	<0.0050	0.0060	<0.0050

08/17/09	08/25/09						
5 FT.	10.5 FT.	12.5 FT.	17 FT.	21 FT.	27 FT.	29 FT.	30.5 FT.
<5.0	2,700	940	<5.0	<5.0	<5.0	<5.0	<5.0
<0.50	990	950	<0.50	<0.50	<0.50	<0.50	<0.50
<0.0050	<1.0	<1.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050
<0.0050	<1.0	<1.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050

08/17/09	08/26/09	
5 FT.	10.5 FT.	12.5 FT.
<5.0	<5.0	14
<0.50	<0.50	1.8
<0.0050	<0.0050	<0.0050
<0.0050	<0.0050	<0.0050

APPROXIMATE SCALE

0 40 80 Feet

FN 09 R31 SOIL_SP

SELECT SOIL ANALYTICAL RESULTS

FORMER
EXXON SERVICE STATION 73006
720 High Street
Oakland, California

EXPLANATION

MW19B Groundwater Monitoring Well

PROJECT NO. 2010

PLATE 3

VALUE, QUALITY, RESPONSE

F:\EXXONMOBIL\ExxonMobil Projects\022010 (73006) Oakland\2010 AutoCad\SPECIALTY MAPS\09 R31\09 R31 SOIL SP.dwg, 9/18/2009 3:36:01 PM, mkiones

TABLE 1A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 73006
720 High Street
Oakland, California

Sample ID	Associated Well/Boring	Sampling Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Total Lead (mg/kg)
CPT Borings											
S-2-CPT1	---	04/06/05	2.0	155	<4.97	<0.0020	0.0038	<0.0050	<0.0050	<0.0050	---
S-4-CPT1	---	04/06/05	4.0	539	<4.98	<0.0020	0.0057	<0.0050	<0.0050	0.0218	---
S-6-CPT1	---	04/06/05	6.0	270	<4.99	<0.0020	0.0056	<0.0050	<0.0050	0.0219	---
S-2-CPT2	---	04/07/05	2.0	<10.2	<5.01	<0.0020	<0.0010	<0.0050	<0.0050	<0.0050	---
S-4-CPT2	---	04/07/05	4.0	<10.0	<5.04	<0.0020	<0.0010	<0.0050	<0.0050	<0.0050	---
S-6-CPT2	---	04/07/05	6.0	59.6	<5.03	<0.0020	0.0053	<0.0050	<0.0050	0.0210	---
S-8-CPT2	---	04/07/05	8.0	77.7	<4.98	<0.0020	0.0130	0.0053	<0.0050	0.0092	---
S-2-CPT3	---	04/07/05	2.0	402	<5.03	<0.0020	<0.0010	<0.0050	<0.0050	<0.0050	---
S-4-CPT3	---	04/07/05	4.0	73.2	<5.03	<0.0020	<0.0010	<0.0050	<0.0050	<0.0050	---
S-6-CPT3	---	04/07/05	6.0	177	<5.00	<0.0020	<0.0010	<0.0050	<0.0050	<0.0050	---
S-8-CPT3	---	04/07/05	8.0	33.0	<5.00	<0.0020	<0.0010	<0.0050	<0.0050	<0.0050	---
S-2-CPT4	---	04/07/05	2.0	<10.0	<5.02	<0.0020	0.0021	<0.0050	0.0094	<0.0050	---
S-4-CPT4	---	04/07/05	4.0	<9.92	<5.01	0.0029	0.0163	<0.0050	0.189	0.159	---
S-6-CPT4	---	04/07/05	6.0	10.3	52.7	0.0077	0.0288	0.0196	5.70	19.1	---
S-8-CPT4	---	04/07/05	8.0	17.3	62.3	0.0230	0.0413	0.0289	0.112	5.40	---
S-2-CPT5	---	04/07/05	2.0	<9.92	<5.01	<0.0020	0.0019	<0.0050	<0.0050	<0.0050	---
S-4-CPT5	---	04/07/05	4.0	12.0	<4.98	<0.0020	0.0025	<0.0050	<0.0050	<0.0050	---
S-6-CPT5	---	04/07/05	6.0	<9.92	<5.04	<0.0020	0.0011	<0.0050	<0.0050	<0.0050	---
S-8-CPT5	---	04/07/05	8.0	<10.1	<5.04	0.0046	<0.0010	<0.0050	<0.0050	<0.0050	---
S-2-CPT6	---	04/06/05	2.0	<9.98	<5.05	<0.0020	<0.0010	<0.0051	<0.0051	<0.0051	---
S-4-CPT6	---	04/06/05	4.0	<10.1	<5.02	<0.0020	<0.0010	<0.0050	<0.0050	<0.0050	---
S-6-CPT6	---	04/06/05	6.0	93.4	<5.02	<0.0020	<0.0010	<0.0050	<0.0050	<0.0050	---
S-8-CPT6	---	04/06/05	8.0	<9.88	<5.02	<0.0020	<0.0010	<0.0050	<0.0050	<0.0050	---
S-5-CPT7	---	12/11/06	5.0	<3.92	<0.502	<0.00200	<0.00200	<0.00200	<0.00200	<0.00500	---
S-5-CPT11	---	12/12/06	5.0	26a	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-5-CPT12	---	12/11/06	5.0	<3.96	<0.498	<0.00200	<0.00200	<0.00200	<0.00200	<0.00500	---
Dispenser Samples											
S-2-DP1	---	04/07/05	2.0	<10.0	<5.01	<0.0020	0.0029	<0.0050	<0.0050	<0.0050	---
S-4-DP1	---	04/07/05	4.0	<10.1	<5.02	<0.0020	0.0139	<0.0050	0.0061	0.0223	---
S-6-DP1	---	04/07/05	6.0	28.3	65.0	<0.0020	0.0890	0.0131	11.6	56.5	---
S-8-DP1	---	04/07/05	8.0	79.8	226	<0.100	0.743	<1.24	6.34	17.5	---
S-10.5-DP1	---	04/14/05	10.5	33.0a	1,190	0.0111	4.78	6.67	32.9	130	---

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Former Exxon Service Station 73006
720 High Street
Oakland, California

Sample ID	Associated Well/Boring	Sampling Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Total Lead (mg/kg)
S-2-DP3	---	04/06/05	2.0	1,840	<5.02	<0.0020	<0.0010	<0.0050	<0.0050	<0.0050	---
S-4-DP3	---	04/06/05	4.0	<10.1	<5.02	<0.0020	<0.0010	<0.0050	<0.0050	<0.0050	---
S-6-DP3	---	04/06/05	6.0	<10.2	<5.03	<0.0020	<0.0010	<0.0050	<0.0050	<0.0050	---
S-8-DP3	---	04/06/05	8.0	<10.1	<5.00	<0.0020	<0.0010	<0.0050	<0.0050	<0.0050	---
S-9.5-DP3	---	04/14/05	9.5	<10.1	<4.95	<0.0020	<0.0010	<0.0050	<0.0050	<0.0050	---
S-12-DP3	---	04/14/05	12.0	64.0a	26.3	<0.0020	0.0209	<0.0050	0.0079	0.0780	---
S-2-DP4	---	04/07/05	2.0	65.6	<5.00	<0.0020	0.0044	<0.0050	<0.0050	0.0091	---
S-4-DP4	---	04/07/05	4.0	<9.96	<5.05	<0.0020	0.0027	<0.0051	<0.0051	<0.0051	---
S-6-DP4	---	04/07/05	6.0	<10.2	<5.01	<0.0020	0.0114	<0.0050	0.136	1.55	---
S-8-DP4	---	04/07/05	8.0	11.1	12.4	<0.0020	0.0260	0.0086	1.82	2.36	---
S-10.5-DP4	---	04/14/05	10.5	50.0a	366	<0.0020	1.39	1.49	5.76	33.9	---
S-2-DP5	---	04/07/05	2.0	12,000	16.7	<0.0020	7.79	0.0235	0.0116	0.0588	---
S-4-DP5	---	04/07/05	4.0	1,200	<4.98	<0.0020	0.128	<0.0050	0.0100	0.0228	---
S-6-DP5	---	04/07/05	6.0	3,610	8.61	<0.0020	0.599	<0.0050	0.0095	0.0339	---
S-8-DP5	---	04/07/05	8.0	3,850	522	<0.0020	6.99	<1.26	<1.26	2.09	---
S-10.5-DP5	---	04/14/05	10.5	875a	842	<0.0020	4.61	1.14	7.90	1.75	---
S-2-DP6	---	04/06/05	2.0	13.1	<5.05	<0.0020	<0.0010	<0.0051	<0.0051	<0.0051	---
S-4-DP6	---	04/06/05	4.0	36.4	<5.05	<0.0020	<0.0010	<0.0051	<0.0051	<0.0051	---
S-6-DP6	---	04/06/05	6.0	<20.4	<5.05	<0.0020	<0.0010	<0.0051	<0.0051	<0.0051	---
S-5-DP7	---	12/08/06	5.0	245a	0.696	<0.00200	<0.00200	<0.00200	<0.00200	<0.00500	---
S-10-DP7	---	12/14/06	10.0	900	370	<0.050	<0.050	<0.050	<0.050	0.056	---
S-15.5-DP7	---	12/14/06	15.5	<1.0	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-20-DP7	---	12/14/06	20.0	6.4a	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-25.5-DP7	---	12/14/06	25.5	5.6a	<0.10	0.011	<0.0050	<0.0050	<0.0050	<0.0050	---
S-29.5-DP7	---	12/14/06	29.5	3.5a	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-5-DP8	---	12/08/06	5.0	318a	<0.499	<0.00200	<0.00200	<0.00200	<0.00200	<0.00500	---
S-10-DP8	---	12/14/06	10.0	890	110	<0.050	<0.050	<0.050	<0.050	<0.050	---
S-15-DP8	---	12/14/06	15.0	49a	120	<0.050	<0.050	<0.050	<0.050	<0.050	---
S-19.5-DP8	---	12/14/06	19.5	2.9a	0.33	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-29.5-DP8	---	12/14/06	29.5	1.8a	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-5-DP9	---	12/11/06	5.0	465a	<0.495	<0.00200	0.00773	<0.00200	<0.00200	<0.00500	---
S-9.5-DP9	---	12/15/06	9.5	2,000a	61	<0.0050	<0.0050	<0.0050	<0.0050	0.013	---
S-14.5-DP9	---	12/15/06	14.5	10a	0.21	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-20-DP9	---	12/15/06	20.0	5.7a	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-25.5-DP9	---	12/15/06	25.5	16a	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-29.5-DP9	---	12/15/06	29.5	4.1a	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---

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Hydropunch Samples											
S-5-HP7	---	12/11/06	5.0	102a	<0.505	<0.00200	<0.00200	<0.00200	<0.00200	<0.00500	---
S-5-HP11	---	12/11/06	5.0	2.0a	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-5-HP12	---	12/12/06	5.0	1.2a	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
Monitoring Wells											
S-3-MW14	B31	10/31/90	3.0	<10	<1.0	---	<0.005	<0.005	<0.005	<0.007	---
S-8-MW14	B31	10/31/90	8.0	<10	<1.0	---	<0.005	<0.005	<0.005	<0.007	---
S-18-MW14	B31	10/31/90	18.0	<10	837	---	0.10	1.6	6.0	34	---
S-6-MW15	B32	10/31/90	6.0	<10	<1.0	---	<0.005	<0.005	<0.005	<0.007	---
S-8.5-MW15	B32	10/31/90	8.5	<10	<1.0	---	<0.005	<0.005	<0.005	<0.007	---
S-13.5-MW15	B32	10/31/90	13.5	<10	<1.0	---	<0.005	<0.005	<0.005	<0.007	---
S-5.0-MW16A	MW16A	08/20/09	5.0	<5.0	0.67a	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-10.5-MW16A	MW16A	08/24/09	10.5	90a	1,200	<2.0	<2.0	<2.0	16	3.3	---
S-12.5-MW16A	MW16A	08/24/09	12.5	<5.0	2.3	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-5.0-MW16B	MW16B	08/20/09	5.0	<5.0	3.6a	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-10.5-MW16B	MW16B	08/24/09	10.5	5.6a	130	<0.50	<0.50	<0.50	1.9	1.0	---
S-16.5-MW16B	MW16B	08/25/09	16.5	<5.0	1.2	0.0060	<0.0050	<0.0050	<0.0050	<0.0050	---
S-20.5-MW16B	MW16B	08/25/09	20.5	<5.0	0.76	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-23.0-MW16B	MW16B	08/25/09	23.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-5.0-MW17A	MW17A	08/20/09	5.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-10.5-MW17A	MW17A	08/25/09	10.5	9.5a	110	<0.50	<0.50	<0.50	<0.50	<0.50	---
S-12.5-MW17A	MW17A	08/25/09	12.5	<5.0	56	<0.50	<0.50	<0.50	<0.50	<0.50	---
S-5.5-MW17B	MW17B	08/18/09	5.5	6.1	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-10.5-MW17B	MW17B	08/25/09	10.5	<5.0	0.92	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-17.0-MW17B	MW17B	08/25/09	17.0	<5.0	<0.50	0.0082	<0.0050	<0.0050	<0.0050	<0.0050	---
S-20.5-MW17B	MW17B	08/25/09	20.5	<5.0	<0.50	0.096	<0.0050	<0.0050	<0.0050	<0.0050	---
S-23.0-MW17B	MW17B	08/25/09	23.0	<5.0	<0.50	0.0060	<0.0050	<0.0050	<0.0050	<0.0050	---
S-24.5-MW17B	MW17B	08/25/09	24.5	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-5-MW18A	MW18A	08/17/09	5.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-10.5-MW18A	MW18A	08/26/09	10.5	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-12.5-MW18A	MW18A	08/26/09	12.5	14	1.8	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---

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S-5-MW18B	MW18B	08/17/09	5.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-10.5-MW18B	MW18B	08/25/09	10.5	2,700	990	<1.0	<1.0	<1.0	<1.0	<1.0	---
S-12.5-MW18B	MW18B	08/25/09	12.5	940	950	<1.0	<1.0	<1.0	<1.0	<1.0	---
S-17.0-MW18B	MW18B	08/25/09	17.0	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
S-21.0-MW18B	MW18B	08/25/09	21.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-27.0-MW18B	MW18B	08/25/09	27.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-29.0-MW18B	MW18B	08/25/09	29.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-30.5-MW18B	MW18B	08/25/09	30.5	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-5.0-MW19A	MW19A	08/18/09	5.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-10.5-MW19A	MW19A	08/26/09	10.5	110a	1900	<0.50	<0.50	<0.50	19	20	---
S-12.5-MW19A	MW19A	08/26/09	12.5	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-5.0-MW19B	MW19B	08/18/09	5.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-10.5-MW19B	MW19B	08/26/09	10.5	<5.0	36	<0.50	<0.50	<0.50	<0.50	<0.50	---
S-16.0-MW19B	MW19B	08/26/09	16.0	<5.0	0.55	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-20.5-MW19B	MW19B	08/26/09	20.5	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-22.5-MW19B	MW19B	08/26/09	22.5	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-24.5-MW19B	MW19B	08/26/09	24.5	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
New Tank Pit Excavation											
S-12-TPW1	---	01/15/91	12.0	<10	6.2	---	<0.005	0.010	0.18	0.31	---
S-8-TPW2	---	01/15/91	8.0	<10	6.5	---	<0.005	<0.005	0.25	0.41	---
S-12-TPW4	---	01/15/91	12.0	<10	<1.0	---	<0.005	<0.005	<0.005	<0.005	---
S-8-TPW5	---	01/15/91	8.0	<10	<1.0	---	<0.005	<0.005	<0.005	<0.005	---
S-4-TPW6	---	01/15/91	4.0	<10	<1.0	---	<0.005	<0.005	<0.005	<0.005	---
S-8-TPW8	---	01/15/91	8.0	<10	53	---	<0.005	0.053	0.48	0.70	---
S-4-TPW9	---	01/15/91	4.0	<10	<1.0	---	<0.005	<0.005	<0.005	0.010	---
S-12-TPW10	---	01/15/91	12.0	<10	19	---	<0.005	0.15	0.25	0.86	---
S-8-TPW11	---	01/15/91	8.0	<10	8.8	---	<0.005	0.017	0.13	0.36	---
S-4-TPW12	---	01/15/91	4.0	<10	<1.0	---	<0.005	<0.005	<0.005	0.012	---
S-15-TPF1	---	01/15/91	15.0	<10	1.1	---	<0.005	<0.005	0.016	0.078	---
S-15-TPF2	---	01/15/91	15.0	<10	12	---	<0.005	0.15	0.13	0.44	---
S-15-TPF3	---	01/15/91	15.0	<10	1.3	---	0.007	0.014	0.025	0.097	---
S-15-TPF4	---	01/15/91	15.0	<10	<1.0	---	<0.005	<0.005	<0.005	<0.005	---

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Old Tank Pit Samples											
S-5-T1F	---	04/28/87	5.0	---	1,846	---	0.9	6.3	5.6	28	---
S-5-T1P	---	04/28/87	5.0	---	2,613	---	0.89	3	2.9	14	---
S-5-T2F	---	04/28/87	5.0	---	454	---	<0.2	<0.2	1.4	2.9	---
S-5-T2P	---	04/28/87	5.0	---	1,735	---	0.54	0.77	2.1	10	---
S-5-T3F	---	04/28/87	5.0	---	1,936	---	0.61	0.5	1.7	6.3	---
S-5-T3P	---	04/28/87	5.0	---	5,995	---	<0.01	0.035	0.015	0.039	---
S-5-WOT	---	04/28/87	5.0	<5	---	---	0.21	<0.2	0.6	2.7	---
S-8-N	---	05/05/87	8.0	---	96.8	---	---	---	---	---	---
S-10-E	---	05/05/87	10.0	---	186.6	---	---	---	---	---	---
S-7-S	---	05/05/87	7.0	---	13.55	---	---	---	---	---	---
S-6-W	---	05/05/87	6.0	---	8.69	---	---	---	---	---	---
S-16-S	---	05/06/87	16.0	---	0.86	---	---	---	---	---	---
S1	---	05/14/87	14.0	c	c	c	c	c	c	c	---
S2	---	05/14/87	14.0	c	c	c	c	c	c	c	---
S-14EE	---	05/15/87	14.0	---	---	---	20	40	60	180	---
Product Line Trench Samples											
S3-Trench	---	04/28/87	3.0	434	---	---	---	---	---	---	---
S(3A+3B)	---	05/05/87	---	---	17.0	---	---	---	---	---	---
S(3C+3D)	---	05/05/87	---	---	4,299.0	---	---	---	---	---	---
S(3E+3F+3G)	---	05/05/87	---	---	545.70	---	---	---	---	---	---
S-1T	---	06/03/87	---	---	0.71	---	---	---	---	---	---
S-2T	---	06/03/87	---	---	1.70	---	---	---	---	---	---
S-3T	---	06/03/87	---	---	3.21	---	---	---	---	---	---
S-4T	---	06/03/87	---	---	0.44	---	---	---	---	---	---
S-1A	---	07/26/89	5.0	<5	---	---	---	---	---	---	---
S-1B	---	07/26/89	9.0	---	61	---	---	---	---	---	---
S-2A	---	08/04/89	9.0	---	3.8	---	<0.050	<0.050	<0.050	<0.050	---
S-3A	---	08/04/89	9.0	4,200	290	---	0.77	0.15	0.30	0.63	---
S-4A	---	08/04/89	9.0	---	93	---	<0.097	<0.050	<0.050	<0.050	---
Soil Borings											
S-7.5-B1	MW1	05/21/88	7.5	25	<10	---	<0.050	<0.050	<0.15	<0.15	---
S-10-B2	MW2	09/10/87	10.0	---	9.97	---	4.14	0.09	1.09	0.38	---
S-10-B3	MW3	09/10/87	10.0	4,261	2,689	---	126	17	41	131	---
S-10-B4	MW4	09/10/87	10.0	2,938	209.9	---	14.9	0.5	6.4	11.1	---

TABLE 1A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 73006
720 High Street
Oakland, California

Sample ID	Associated Well/Boring	Sampling Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Total Lead (mg/kg)
S-10-B5	MW5	09/10/87	10.0	848	90.83	---	9.27	0.24	1.45	6.62	---
S-10-B6	MW6	09/10/87	10.0	---	448.0	---	5.7	3.7	14.1	63.2	---
S-10-B7	MW7	09/10/87	10.0	1,338	901.6	---	26.4	5.3	41.4	54.2	---
S-10-B8	MW8	09/10/87	10.0	---	0.48	---	<0.05	<0.05	<0.05	<0.05	---
S-9-B9	MW9	05/12/88	10.0	---	<2	---	<0.05	<0.05	<0.05	<0.05	---
S-10-B10	MW10	11/27/89	10.0	<10	<2	---	<0.05	<0.05	<0.05	<0.05	---
S-10-B11	MW11	11/27/89	11.0	<10	<2	---	0.064	0.11	<0.05	0.076	---
S-7.5-B12	MW12	11/28/89	7.5	23	160	---	1.2	3.1	3.4	14	---
S-10-B12	MW12	11/28/89	10.0	16	3.1	---	0.86	0.090	0.18	0.17	---
S-7.5-B13	MW13	11/28/89	7.5	<10	<2	---	<0.05	0.12	<0.05	0.10	---
S-10-B13	MW13	11/28/89	10.0	<10	17	---	<0.05	0.14	0.33	1.2	---
S-10-B14	---	11/29/89	10.0	1,900	3,400	---	<0.5	<0.5	1.2	1.2	---
S-5-B15	---	11/28/89	5.0	<10	130	---	2.2	7.2	2.2	11	---
S-7.5-B15	---	11/28/89	7.5	28	98	---	0.97	3.9	1.8	9.8	---
S-10-B15	---	11/28/89	10.0	82	180	---	1.4	4.4	3.6	16	---
S-5-B16	---	11/28/89	5.0	43	87	---	2.2	4.4	1.7	7.6	---
S-7.5-B16	---	11/28/89	7.5	1,500	1,100	---	9.0	60	23	109	---
S-10-B16	---	11/28/89	10.0	110	380	---	4.2	11	8.4	35	---
S-5-B17	---	11/29/89	5.0	<10	<2	---	<0.050	<0.050	<0.050	<0.050	---
S-7.5-B17	---	11/29/89	7.5	<10	8.1	---	0.085	<0.050	0.19	0.24	---
S-10-B17	---	11/29/89	10.0	200	7.1	---	0.091	<0.050	0.20	0.25	---
S-5-B18	---	11/29/89	5.0	46	210	---	1.6	0.71	3.9	12	---
S-7.5-B18	---	11/29/89	7.5	270	210	---	2.4	0.50	4.8	20	---
S-10-B18	---	11/29/89	10.0	2,000	130	---	0.93	0.36	2.8	11	---
S-10-B19	---	11/29/89	10.0	21	21	---	<0.5	<0.5	<0.5	1.7	---
S-10-B20	---	11/29/89	10.0	360	3,100	---	<5	<5	64	120	---
S-3-B21	---	11/01/90	3.0	1,125	433	---	9.0	0.9	7.5	13	---
S-8-B21	---	11/01/90	8.0	2,112	1,084	---	22	3.5	31	100	---

TABLE 1A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 73006
720 High Street
Oakland, California

Sample ID	Associated Well/Boring	Sampling Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Total Lead (mg/kg)
S-5.5-B22	---	11/01/90	5.5	2,570	423	---	6.9	1.0	19	18	---
S-8-B22	---	11/01/90	8.0	210	3,232	---	31	123	137	493	---
S-3-B23	---	11/01/90	3.0	<10	20	---	0.50	0.08	0.41	0.70	---
S-8-B23	---	11/01/90	8.0	<10	277	---	2.4	3.5	7.2	28	---
S-5.5-B24	---	11/01/90	5.5	<10	<1.0	---	<0.005	<0.005	<0.005	<0.007	---
S-8-B24	---	11/01/90	8.0	<10	80	---	0.70	0.26	<0.005	0.70	---
S-5.5-B25	---	11/01/90	5.5	<10	<1.0	---	<0.005	<0.005	<0.005	<0.007	---
S-8-B25	---	11/01/90	8.0	<10	15	---	0.27	0.05	0.17	0.75	---
S-5.5-B26	---	11/01/90	5.5	<10	<1.0	---	<0.005	<0.005	<0.005	<0.007	---
S-8-B26	---	11/01/90	8.0	<10	<1.0	---	<0.005	<0.005	<0.005	<0.007	---
S-5.5-B27	---	11/01/90	5.5	<10	12	---	0.17	0.05	1.7	0.91	---
S-8-B27	---	11/01/90	8.0	<10	608	---	8.1	2.7	19	30	---
S-3-B28	---	11/02/90	3.0	<10	22	---	1.0	1.0	0.43	2.5	---
S-8-B28	---	11/02/90	8.0	<10	1,295	---	10	45	52	156	---
S-5.5-B29	---	11/02/90	5.5	<10	1,931	---	31	122	84	240	---
S-8-B29	---	11/02/90	8.0	<10	1,262	---	14	68	49	153	---
S-5.5-B30	---	11/02/90	5.5	<10	1,069	---	20	39	44	116	---
S-8-B30	---	11/02/90	8.0	<10	1,118	---	9.3	62	47	143	---
S-3.5-B35	VW1	02/11/93	3.5	<5.0	<1	---	0.033	<0.0050	<0.0050	0.0062	---
S-6.5-B35	VW1	02/11/93	6.5	6.3	120	---	2	3.2	1.8	7.3	---
S-7.5-B35	VW1	02/11/93	7.5	30b	410	---	3.7	9.6	8.2	35	---
S-9-B35	VW1	02/11/93	9.0	12	950	---	7.6	28	21	89	---
S-4-B36	VW2	02/11/93	4.0	<5.0	1.7	---	0.023	<0.0050	<0.0050	0.021	---
S-7-B36	VW2	02/11/93	7.0	<5.0	<1	---	0.0054	<0.0050	<0.0050	<0.0050	---
S-9.5-B36	VW2	02/11/93	9.5	<5.0	160	---	0.65	0.34	2.3	5.2	---
S-4-B37	VW3	02/11/93	4.0	5.8	92	---	2.1	0.75	2.4	7.9	---
S-6-B37	VW3	02/11/93	6.0	21	220	---	2	5.6	5.8	21	---
S-7.5-B37	VW3	02/11/93	7.5	14	220	---	1.7	2.9	4.9	21	---
Stockpile Soil Samples											
SP-1 (A-D)	---	12/15/06	---	270	3.6	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	12
SP1-(1-4)		09/01/09	---	10	22	<0.50	<0.50	<0.50	<0.50	<0.50	3.78

TABLE 1A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 73006
720 High Street
Oakland, California

Notes:

S-2-CPT1	=	Soil - Sample Depth - Sample Location.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015B.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dichloroethane analyzed using EPA Method 8260B.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
Lead	=	Lead analyzed using EPA Method 6010B.
feet bgs	=	Feet below ground surface.
mg/kg	=	Milligrams per kilogram.
<	=	Less than the stated reporting limit.
a	=	Result is not consistent with specified fuel.
b	=	Hydrocarbons greater than C22 were detected, and 460 mg/kg of Oil and Grease analyzed using SM5520 were detected.
c	=	Data missing from historical files.

TABLE 1B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS

Former Exxon Service Station 73006
720 High Street
Oakland, California

Sample ID	Associated Well/Boring	Sampling Date	Depth (feet bgs)	EDB (mg/kg)	1,2-DCA (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	Ethanol (mg/kg)	Add'l VOCs (mg/kg)
CPT Borings											
S-2-CPT1	---	04/06/05	2.0	<0.0020	<0.00201	<0.0502	<0.0020	<0.0020	<0.0020	---	---
S-4-CPT1	---	04/06/05	4.0	<0.0020	<0.00200	<0.0501	<0.0020	<0.0020	<0.0020	---	---
S-6-CPT1	---	04/06/05	6.0	<0.0020	<0.00199	<0.0497	<0.0020	<0.0020	<0.0020	---	---
S-2-CPT2	---	04/07/05	2.0	<0.0020	<0.00202	<0.0504	<0.0020	<0.0020	<0.0020	---	---
S-4-CPT2	---	04/07/05	4.0	<0.0020	<0.00201	<0.0502	<0.0020	<0.0020	<0.0020	---	---
S-6-CPT2	---	04/07/05	6.0	<0.0020	<0.00200	<0.0501	<0.0020	<0.0020	<0.0020	---	---
S-8-CPT2	---	04/07/05	8.0	<0.0020	<0.00200	<0.0500	<0.0020	<0.0020	<0.0020	---	---
S-2-CPT3	---	04/07/05	2.0	<0.0020	<0.00199	<0.0498	<0.0020	<0.0020	<0.0020	---	---
S-4-CPT3	---	04/07/05	4.0	<0.0020	<0.00198	<0.0496	<0.0020	<0.0020	<0.0020	---	---
S-6-CPT3	---	04/07/05	6.0	<0.0020	<0.00200	<0.0501	<0.0020	<0.0020	<0.0020	---	---
S-8-CPT3	---	04/07/05	8.0	<0.0020	<0.00201	<0.0502	<0.0020	<0.0020	<0.0020	---	---
S-2-CPT4	---	04/07/05	2.0	<0.0020	<0.00198	<0.0496	<0.0020	<0.0020	<0.0020	---	---
S-4-CPT4	---	04/07/05	4.0	<0.0020	<0.00202	<0.0505	<0.0020	<0.0020	<0.0020	---	---
S-6-CPT4	---	04/07/05	6.0	<0.0020	<0.00200	<0.0500	<0.0020	<0.0020	<0.0020	---	---
S-8-CPT4	---	04/07/05	8.0	<0.0020	<0.00199	0.0567	<0.0020	<0.0020	<0.0020	---	---
S-2-CPT5	---	04/07/05	2.0	<0.0020	<0.00199	<0.0497	<0.0020	<0.0020	<0.0020	---	---
S-4-CPT5	---	04/07/05	4.0	<0.0020	<0.00200	<0.0501	<0.0020	<0.0020	<0.0020	---	---
S-6-CPT5	---	04/07/05	6.0	<0.0020	<0.00198	<0.0495	<0.0020	<0.0020	<0.0020	---	---
S-8-CPT5	---	04/07/05	8.0	<0.0020	<0.00200	<0.0499	<0.0020	<0.0020	<0.0020	---	---
S-2-CPT6	---	04/06/05	2.0	<0.0020	<0.00200	<0.0499	<0.0020	<0.0020	<0.0020	---	---
S-4-CPT6	---	04/06/05	4.0	<0.0020	<0.00201	<0.0502	<0.0020	<0.0020	<0.0020	---	---
S-6-CPT6	---	04/06/05	6.0	<0.0020	<0.00202	<0.0504	<0.0020	<0.0020	<0.0020	---	---
S-8-CPT6	---	04/06/05	8.0	<0.0020	<0.00201	<0.0502	<0.0020	<0.0020	<0.0020	---	---
S-5-CPT7	---	12/11/06	5.0	<0.00200	<0.00200	<0.0500	<0.00200	<0.00500	<0.00200	---	---
S-5-CPT11	---	12/12/06	5.0	<0.0050	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.10	---
S-5-CPT12	---	12/11/06	5.0	<0.00200	<0.00200	<0.0500	<0.00200	<0.00500	<0.00200	---	---
Dispenser Samples											
S-2-DP1	---	04/07/05	2.0	<0.0020	<0.00202	<0.0504	<0.0020	<0.0020	<0.0020	---	---
S-4-DP1	---	04/07/05	4.0	<0.0020	<0.00201	<0.0502	<0.0020	<0.0020	<0.0020	---	---
S-6-DP1	---	04/07/05	6.0	<0.0020	<0.00198	<0.0496	<0.0020	<0.0020	<0.0020	---	---
S-8-DP1	---	04/07/05	8.0	<0.100	<0.100	<2.50	<0.100	<0.100	<0.100	---	---

TABLE 1B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS

Former Exxon Service Station 73006
720 High Street
Oakland, California

Sample ID	Associated Well/Boring	Sampling Date	Depth (feet bgs)	EDB (mg/kg)	1,2-DCA (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	Ethanol (mg/kg)	Add'l VOCs (mg/kg)
S-10.5-DP1	---	04/14/05	10.5	<0.0020	<0.00200	<0.0500	<0.0020	<0.0020	<0.0020	---	---
S-2-DP3	---	04/06/05	2.0	<0.0020	<0.00202	<0.0504	<0.0020	<0.0020	<0.0020	---	---
S-4-DP3	---	04/06/05	4.0	<0.0020	<0.00201	<0.0502	<0.0020	<0.0020	<0.0020	---	---
S-6-DP3	---	04/06/05	6.0	<0.0020	<0.00200	<0.0501	<0.0020	<0.0020	<0.0020	---	---
S-8-DP3	---	04/06/05	8.0	<0.0020	<0.00201	<0.0502	<0.0020	<0.0020	<0.0020	---	---
S-9.5-DP3	---	04/14/05	9.5	<0.0020	<0.00198	<0.0496	<0.0020	<0.0020	<0.0020	---	---
S-12-DP3	---	04/14/05	12.0	<0.0020	<0.00198	<0.0496	<0.0020	<0.0020	<0.0020	---	---
S-2-DP4	---	04/07/05	2.0	<0.0020	<0.00199	<0.0498	<0.0020	<0.0020	<0.0020	---	---
S-4-DP4	---	04/07/05	4.0	<0.0020	<0.00201	<0.0503	<0.0020	<0.0020	<0.0020	---	---
S-6-DP4	---	04/07/05	6.0	<0.0020	<0.00199	<0.0498	<0.0020	<0.0020	<0.0020	---	---
S-8-DP4	---	04/07/05	8.0	<0.0020	<0.00199	<0.0497	<0.0020	<0.0020	<0.0020	---	---
S-10.5-DP4	---	04/14/05	10.5	<0.0020	<0.00201	<0.0502	<0.0020	<0.0020	<0.0020	---	---
S-2-DP5	---	04/07/05	2.0	<0.0020	<0.00198	<0.0496	<0.0020	<0.0020	<0.0020	---	---
S-4-DP5	---	04/07/05	4.0	<0.0020	<0.00199	<0.0498	<0.0020	<0.0020	<0.0020	---	---
S-6-DP5	---	04/07/05	6.0	<0.0020	<0.00200	<0.0501	<0.0020	<0.0020	<0.0020	---	---
S-8-DP5	---	04/07/05	8.0	<0.0020	<0.00200	<0.0500	<0.0020	<0.0020	<0.0020	---	---
S-10.5-DP5	---	04/14/05	10.5	<0.0020	<0.00200	<0.0501	<0.0020	<0.0020	<0.0020	---	---
S-2-DP6	---	04/06/05	2.0	<0.0020	<0.00200	<0.0500	<0.0020	<0.0020	<0.0020	---	---
S-4-DP6	---	04/06/05	4.0	<0.0020	<0.00199	<0.0498	<0.0020	<0.0020	<0.0020	---	---
S-6-DP6	---	04/06/05	6.0	<0.0020	<0.00199	<0.0498	<0.0020	<0.0020	<0.0020	---	---
S-5-DP7	---	12/08/06	5.0	<0.00200	<0.00200	<0.0500	<0.00200	<0.00500	<0.00200	---	---
S-10-DP7	---	12/14/06	10.0	<0.050	<0.050	<0.20	<0.050	<0.050	<0.050	<1.0	---
S-15.5-DP7	---	12/14/06	15.5	<0.0050	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.10	---
S-20-DP7	---	12/14/06	20.0	<0.0050	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.10	---
S-25.5-DP7	---	12/14/06	25.5	<0.0050	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.10	---
S-29.5-DP7	---	12/14/06	29.5	<0.0050	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.10	---
S-5-DP8	---	12/08/06	5.0	<0.00200	<0.00200	<0.0500	<0.00200	<0.00500	<0.00200	---	---
S-10-DP8	---	12/14/06	10.0	<0.050	<0.050	<0.20	<0.050	<0.050	<0.050	<1.0	---
S-15-DP8	---	12/14/06	15.0	<0.050	<0.050	<0.20	<0.050	<0.050	<0.050	<1.0	---
S-19.5-DP8	---	12/14/06	19.5	<0.0050	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.10	---
S-29.5-DP8	---	12/14/06	29.5	<0.0050	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.10	---
S-5-DP9	---	12/11/06	5.0	<0.00200	<0.00200	<0.0500	<0.00200	<0.00500	<0.00200	---	---
S-9.5-DP9	---	12/15/06	9.5	<0.0050	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.10	---
S-14.5-DP9	---	12/15/06	14.5	<0.0050	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.10	---
S-20-DP9	---	12/15/06	20.0	<0.0050	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.10	---
S-25.5-DP9	---	12/15/06	25.5	<0.0050	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.10	---
S-29.5-DP9	---	12/15/06	29.5	<0.0050	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.10	---

TABLE 1B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS

Former Exxon Service Station 73006
720 High Street
Oakland, California

Sample ID	Associated Well/Boring	Sampling Date	Depth (feet bgs)	EDB (mg/kg)	1,2-DCA (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	Ethanol (mg/kg)	Add'l VOCs (mg/kg)
Hydropunch Samples											
S-5-HP7	---	12/11/06	5.0	<0.00200	<0.00200	<0.0500	<0.00200	<0.00500	<0.00200	---	---
S-5-HP11	---	12/11/06	5.0	<0.0050	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.10	---
S-5-HP12	---	12/12/06	5.0	<0.0050	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.10	---
Monitoring Wells											
S-3-MW14	B31	10/31/90	3.0	---	---	---	---	---	---	---	---
S-8-MW14	B31	10/31/90	8.0	---	---	---	---	---	---	---	---
S-18-MW14	B31	10/31/90	18.0	---	---	---	---	---	---	---	---
S-6-MW15	B32	10/31/90	6.0	---	---	---	---	---	---	---	---
S-8.5-MW15	B32	10/31/90	8.5	---	---	---	---	---	---	---	---
S-13.5-MW15	B32	10/31/90	13.5	---	---	---	---	---	---	---	---
S-5.0-MW16A	MW16A	08/20/09	5.0	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-10.5-MW16A	MW16A	08/24/09	10.5	<2.0	<2.0	<4.0	<20	<4.0	<4.0	<100	---
S-12.5-MW16A	MW16A	08/24/09	12.5	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-5.0-MW16B	MW16B	08/20/09	5.0	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-10.5-MW16B	MW16B	08/24/09	10.5	<0.50	<0.50	<1.0	<5.0	<1.0	<1.0	<25	---
S-16.5-MW16B	MW16B	08/25/09	16.5	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-20.5-MW16B	MW16B	08/25/09	20.5	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-23.0-MW16B	MW16B	08/25/09	23.0	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-5.0-MW17A	MW17A	08/20/09	5.0	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-10.5-MW17A	MW17A	08/25/09	10.5	<0.50	<0.50	<1.0	<5.0	<1.0	<1.0	<25	---
S-12.5-MW17A	MW17A	08/25/09	12.5	<0.50	<0.50	<1.0	<5.0	<1.0	<1.0	<25	---
S-5.5-MW17B	MW17B	08/18/09	5.5	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-10.5-MW17B	MW17B	08/25/09	10.5	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-17.0-MW17B	MW17B	08/25/09	17.0	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-20.5-MW17B	MW17B	08/25/09	20.5	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-23.0-MW17B	MW17B	08/25/09	23.0	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-24.5-MW17B	MW17B	08/25/09	24.5	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-5-MW18A	MW18A	08/17/09	5.0	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-10.5-MW18A	MW18A	08/26/09	10.5	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-12.5-MW18A	MW18A	08/26/09	12.5	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---

TABLE 1B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS

Former Exxon Service Station 73006
720 High Street
Oakland, California

Sample ID	Associated Well/Boring	Sampling Date	Depth (feet bgs)	EDB (mg/kg)	1,2-DCA (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	Ethanol (mg/kg)	Add'l VOCs (mg/kg)
S-5-MW18B	MW18B	08/17/09	5.0	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-10.5-MW18B	MW18B	08/25/09	10.5	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<50	---
S-12.5-MW18B	MW18B	08/25/09	12.5	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<50	---
S-17.0-MW18B	MW18B	08/25/09	17.0	<0.50	<0.50	<1.0	<5.0	<1.0	<1.0	<25	---
S-21.0-MW18B	MW18B	08/25/09	21.0	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-27.0-MW18B	MW18B	08/25/09	27.0	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-29.0-MW18B	MW18B	08/25/09	29.0	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-30.5-MW18B	MW18B	08/25/09	30.5	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-5.0-MW19A	MW19A	08/18/09	5.0	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-10.5-MW19A	MW19A	08/26/09	10.5	<0.50	<0.50	<1.0	<5.0	<1.0	<1.0	<25	---
S-12.5-MW19A	MW19A	08/26/09	12.5	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-5.0-MW19B	MW19B	08/18/09	5.0	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-10.5-MW19B	MW19B	08/26/09	10.5	<0.50	<0.50	<1.0	<5.0	<1.0	<1.0	<25	---
S-16.0-MW19B	MW19B	08/26/09	16.0	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-20.5-MW19B	MW19B	08/26/09	20.5	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-22.5-MW19B	MW19B	08/26/09	22.5	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
S-24.5-MW19B	MW19B	08/26/09	24.5	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.010	<0.25	---
New Tank Pit Excavation											
S-12-TPW1	---	01/15/91	12.0	---	---	---	---	---	---	---	---
S-8-TPW2	---	01/15/91	8.0	---	---	---	---	---	---	---	---
S-12-TPW4	---	01/15/91	12.0	---	---	---	---	---	---	---	---
S-8-TPW5	---	01/15/91	8.0	---	---	---	---	---	---	---	---
S-4-TPW6	---	01/15/91	4.0	---	---	---	---	---	---	---	---
S-8-TPW8	---	01/15/91	8.0	---	---	---	---	---	---	---	---
S-4-TPW9	---	01/15/91	4.0	---	---	---	---	---	---	---	---
S-12-TPW10	---	01/15/91	12.0	---	---	---	---	---	---	---	---
S-8-TPW11	---	01/15/91	8.0	---	---	---	---	---	---	---	---
S-4-TPW12	---	01/15/91	4.0	---	---	---	---	---	---	---	---
S-15-TPF1	---	01/15/91	15.0	---	---	---	---	---	---	---	---
S-15-TPF2	---	01/15/91	15.0	---	---	---	---	---	---	---	---
S-15-TPF3	---	01/15/91	15.0	---	---	---	---	---	---	---	---
S-15-TPF4	---	01/15/91	15.0	---	---	---	---	---	---	---	---
Old Tank Pit Samples											
S-5-T1F	---	04/28/87	5.0	---	---	---	---	---	---	---	---
S-5-T1P	---	04/28/87	5.0	---	---	---	---	---	---	---	---
S-5-T2F	---	04/28/87	5.0	---	---	---	---	---	---	---	---
S-5-T2P	---	04/28/87	5.0	---	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS

Former Exxon Service Station 73006
720 High Street
Oakland, California

Sample ID	Associated Well/Boring	Sampling Date	Depth (feet bgs)	EDB (mg/kg)	1,2-DCA (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	Ethanol (mg/kg)	Add'l VOCs (mg/kg)
S-5-T3F	---	04/28/87	5.0	---	---	---	---	---	---	---	---
S-5-T3P	---	04/28/87	5.0	---	---	---	---	---	---	---	---
S-5-WOT	---	04/28/87	5.0	---	---	---	---	---	---	---	---
S-8-N	---	05/05/87	8.0	---	---	---	---	---	---	---	---
S-10-E	---	05/05/87	10.0	---	---	---	---	---	---	---	---
S-7-S	---	05/05/87	7.0	---	---	---	---	---	---	---	---
S-6-W	---	05/05/87	6.0	---	---	---	---	---	---	---	---
S-16-S	---	05/06/87	16.0	---	---	---	---	---	---	---	---
S1	---	05/14/87	14.0	---	---	---	---	---	---	---	---
S2	---	05/14/87	14.0	---	---	---	---	---	---	---	---
S-14EE	---	05/15/87	14.0	---	---	---	---	---	---	---	---
Product Line Trench Samples											
S3-Trench	---	04/28/87	3.0	---	---	---	---	---	---	---	---
S(3A+3B)	---	05/05/87	---	---	---	---	---	---	---	---	---
S(3C+3D)	---	05/05/87	---	---	---	---	---	---	---	---	---
S(3E+3F+3G)	---	05/05/87	---	---	---	---	---	---	---	---	---
S-1T	---	06/03/87	---	---	---	---	---	---	---	---	---
S-2T	---	06/03/87	---	---	---	---	---	---	---	---	---
S-3T	---	06/03/87	---	---	---	---	---	---	---	---	---
S-4T	---	06/03/87	---	---	---	---	---	---	---	---	---
S-1A	---	07/26/89	5.0	---	---	---	---	---	---	---	---
S-1B	---	07/26/89	9.0	---	---	---	---	---	---	---	---
S-2A	---	08/04/89	9.0	---	---	---	---	---	---	---	---
S-3A	---	08/04/89	9.0	---	---	---	---	---	---	---	---
S-4A	---	08/04/89	9.0	---	---	---	---	---	---	---	---
Soil Borings											
S-7.5-B1	MW1	05/21/88	7.5	---	---	---	---	---	---	---	---
S-10-B2	MW2	09/10/87	10.0	---	---	---	---	---	---	---	---
S-10-B3	MW3	09/10/87	10.0	---	---	---	---	---	---	---	---
S-10-B4	MW4	09/10/87	10.0	---	---	---	---	---	---	---	---
S-10-B5	MW5	09/10/87	10.0	---	---	---	---	---	---	---	---
S-10-B6	MW6	09/10/87	10.0	---	---	---	---	---	---	---	---
S-10-B7	MW7	09/10/87	10.0	---	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS

Former Exxon Service Station 73006
720 High Street
Oakland, California

Sample ID	Associated Well/Boring	Sampling Date	Depth (feet bgs)	EDB (mg/kg)	1,2-DCA (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	Ethanol (mg/kg)	Add'l VOCs (mg/kg)
S-10-B8	MW8	09/10/87	10.0	---	---	---	---	---	---	---	---
S-9-B9	MW9	05/12/88	10.0	---	---	---	---	---	---	---	---
S-10-B10	MW10	11/27/89	10.0	---	---	---	---	---	---	---	---
S-10-B11	MW11	11/27/89	11.0	---	---	---	---	---	---	---	---
S-7.5-B12	MW12	11/28/89	7.5	---	---	---	---	---	---	---	---
S-10-B12	MW12	11/28/89	10.0	---	---	---	---	---	---	---	---
S-7.5-B13	MW13	11/28/89	7.5	---	---	---	---	---	---	---	---
S-10-B13	MW13	11/28/89	10.0	---	---	---	---	---	---	---	---
S-10-B14	---	11/29/89	10.0	---	---	---	---	---	---	---	---
S-5-B15	---	11/28/89	5.0	---	---	---	---	---	---	---	---
S-7.5-B15	---	11/28/89	7.5	---	---	---	---	---	---	---	---
S-10-B15	---	11/28/89	10.0	---	---	---	---	---	---	---	---
S-5-B16	---	11/28/89	5.0	---	---	---	---	---	---	---	---
S-7.5-B16	---	11/28/89	7.5	---	---	---	---	---	---	---	---
S-10-B16	---	11/28/89	10.0	---	---	---	---	---	---	---	---
S-5-B17	---	11/29/89	5.0	---	---	---	---	---	---	---	---
S-7.5-B17	---	11/29/89	7.5	---	---	---	---	---	---	---	---
S-10-B17	---	11/29/89	10.0	---	---	---	---	---	---	---	---
S-5-B18	---	11/29/89	5.0	---	---	---	---	---	---	---	---
S-7.5-B18	---	11/29/89	7.5	---	---	---	---	---	---	---	---
S-10-B18	---	11/29/89	10.0	---	---	---	---	---	---	---	---
S-10-B19	---	11/29/89	10.0	---	---	---	---	---	---	---	---
S-10-B20	---	11/29/89	10.0	---	---	---	---	---	---	---	---
S-3-B21	---	11/01/90	3.0	---	---	---	---	---	---	---	---
S-8-B21	---	11/01/90	8.0	---	---	---	---	---	---	---	---
S-5.5-B22	---	11/01/90	5.5	---	---	---	---	---	---	---	---
S-8-B22	---	11/01/90	8.0	---	---	---	---	---	---	---	---
S-3-B23	---	11/01/90	3.0	---	---	---	---	---	---	---	---
S-8-B23	---	11/01/90	8.0	---	---	---	---	---	---	---	---
S-5.5-B24	---	11/01/90	5.5	---	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS

Former Exxon Service Station 73006
720 High Street
Oakland, California

Sample ID	Associated Well/Boring	Sampling Date	Depth (feet bgs)	EDB (mg/kg)	1,2-DCA (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	Ethanol (mg/kg)	Add'l VOCs (mg/kg)
S-8-B24	---	11/01/90	8.0	---	---	---	---	---	---	---	---
S-5.5-B25	---	11/01/90	5.5	---	---	---	---	---	---	---	---
S-8-B25	---	11/01/90	8.0	---	---	---	---	---	---	---	---
S-5.5-B26	---	11/01/90	5.5	---	---	---	---	---	---	---	---
S-8-B26	---	11/01/90	8.0	---	---	---	---	---	---	---	---
S-5.5-B27	---	11/01/90	5.5	---	---	---	---	---	---	---	---
S-8-B27	---	11/01/90	8.0	---	---	---	---	---	---	---	---
S-3-B28	---	11/02/90	3.0	---	---	---	---	---	---	---	---
S-8-B28	---	11/02/90	8.0	---	---	---	---	---	---	---	---
S-5.5-B29	---	11/02/90	5.5	---	---	---	---	---	---	---	---
S-8-B29	---	11/02/90	8.0	---	---	---	---	---	---	---	---
S-5.5-B30	---	11/02/90	5.5	---	---	---	---	---	---	---	---
S-8-B30	---	11/02/90	8.0	---	---	---	---	---	---	---	---
S-3.5-B35	VW1	02/11/93	3.5	---	---	---	---	---	---	---	---
S-6.5-B35	VW1	02/11/93	6.5	---	---	---	---	---	---	---	---
S-7.5-B35	VW1	02/11/93	7.5	---	---	---	---	---	---	---	---
S-9-B35	VW1	02/11/93	9.0	---	---	---	---	---	---	---	---
S-4-B36	VW2	02/11/93	4.0	---	---	---	---	---	---	---	---
S-7-B36	VW2	02/11/93	7.0	---	---	---	---	---	---	---	---
S-9.5-B36	VW2	02/11/93	9.5	---	---	---	---	---	---	---	---
S-4-B37	VW3	02/11/93	4.0	---	---	---	---	---	---	---	---
S-6-B37	VW3	02/11/93	6.0	---	---	---	---	---	---	---	---
S-7.5-B37	VW3	02/11/93	7.5	---	---	---	---	---	---	---	---
Stockpile Soil Samples											
SP-1 (A-D)	---	12/15/06	---	<0.0050	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.10	---
SP1-(1-4)		09/01/09	---	<0.50	<0.50	<1.0	<5.0	<1.0	<1.0	---	ND

TABLE 1B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS

Former Exxon Service Station 73006
720 High Street
Oakland, California

Notes:		
S-2-CPT1	=	Soil - Sample Depth - Sample Location.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015B.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dichloroethane analyzed using EPA Method 8260B.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
Lead	=	Lead analyzed using EPA Method 6010B.
feet bgs	=	Feet below ground surface.
mg/kg	=	Milligrams per kilogram.
<	=	Less than the stated reporting limit.
a	=	Result is not consistent with specified fuel.
b	=	Hydrocarbons greater than C22 were detected, and 460 mg/kg of Oil and Grease analyzed using SM5520 were detected.
c	=	Data missing from historical files.

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW1	01/20/94	---	12.87	9.25	3.62	No	---	---	---	---	---	---	---	---
MW1	02/02/94	---	12.87	8.60	4.27	No	70	<50	---	---	<0.5	<0.5	<0.5	0.7
MW1	03/10/94	---	12.87	8.31	4.56	No	---	---	---	---	---	---	---	---
MW1	04/22/94	---	12.87	7.95	4.92	No	---	---	---	---	---	---	---	---
MW1	05/10/94	---	12.87	7.48	5.39	No	100	<50	---	---	<0.5	<0.5	<0.5	1.6
MW1	06/27/94	---	12.87	7.65	5.22	No	---	---	---	---	---	---	---	---
MW1	08/31/94	---	12.87	9.39	3.48	No	---	---	---	---	---	---	---	---
MW1	09/29/94	---	12.87	9.83	3.04	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW1	10/25/94	---	12.87	10.19	2.68	No	---	<50	<50	---	<0.5	<0.5	<0.5	<0.5
MW1	11/30/94	---	12.87	8.97	3.90	No	---	---	---	---	---	---	---	---
MW1	12/27/94	---	12.87	7.44	5.43	No	---	---	---	---	---	---	---	---
MW1	02/06/95	---	12.87	5.71	7.16	No	---	<50	100	---	0.52	<0.5	<0.5	<0.5
MW1	06/07/95	---	12.87	7.62	5.25	No	81	<50	3.5	---	<0.5	<0.5	<0.5	<0.5
MW1	09/18/95	---	12.87	10.02	2.85	No	82	<50	6	---	<0.5	<0.5	<0.5	<0.5
MW1	11/01/95	---	12.87	10.74	2.13	No	160	<50	8.9	---	<0.5	<0.5	<0.5	<0.5
MW1	02/14/96	---	12.87	7.81	5.06	No	100	<50	7.8	---	<0.5	<0.5	<0.5	<0.5
MW1	06/19/96	---	12.87	7.47	5.40	No	93	<50	7.1	---	<0.5	<0.5	<0.5	<0.5
MW1	09/24/96	---	12.87	10.42	2.45	No	83	<50	9.5	---	<0.5	<0.5	<0.5	<0.5
MW1	12/11/96	---	12.87	8.50	4.37	No	81	<50	7.2	---	<0.5	<0.5	<0.5	<0.5
MW1	03/19/97	---	12.87	9.14	3.73	No	78	<50	6.4	---	<0.5	<0.5	<0.5	<0.5
MW1	06/04/97	---	12.87	9.82	3.05	No	58	<50	6.0	---	<0.5	<0.5	<0.5	<0.5
MW1	09/02/97	---	12.87	10.26	2.61	No	150	<50	5.4	---	<0.5	<0.5	<0.5	<0.5
MW1	12/02/97	---	12.87	9.32	3.55	No	88	<50	5.1	---	<0.5	<0.5	<0.5	<0.5
MW1	03/24/98	---	12.87	6.44	6.43	No	58	<50	5.6	---	<0.5	<0.5	<0.5	<0.5
MW1	06/23/98	---	12.87	9.23	3.64	No	84	<50	3.8	---	<0.5	<0.5	<0.5	<0.5
MW1	09/29/98	---	12.87	9.91	2.96	No	61	<50	2.6	---	<0.5	<0.5	<0.5	<0.5
MW1	12/30/98	---	12.87	9.21	3.66	No	80	<50	4.1	---	<0.5	<0.5	<0.5	<0.5
MW1	03/24/99	---	12.87	5.53	7.34	No	64.3	<50	4.95	---	<0.5	<0.5	<0.5	<0.5
MW1	06/22/99	---	12.87	7.39	5.48	No	83.5	<50	3.70	---	<0.5	<0.5	<0.5	<0.5
MW1	09/29/99	---	12.87	8.90	3.97	No	52.9	<50	4.81	---	<0.5	<0.5	<0.5	<0.5
MW1	12/21/99	---	12.87	8.94	3.93	No	60	<50	10	---	<0.5	<0.5	<0.5	<0.5
MW1	03/21/00	---	12.87	5.34	7.53	No	---	<50	4.5	---	<0.5	<0.5	<0.5	<0.5
MW1	03/30/01	---	12.87	5.29	7.58	No	79	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW1	11/01/01	---	12.79	Well surveyed in compliance with AB 2886 requirements.										
MW1	03/11/02 k	---	12.79	5.39	7.40	No	<50.0	116	110	160	1.10	<0.50	<0.50	<0.50
MW1	03/11/03	---	12.79	6.63	6.16	No	<50	153	188	179	<0.5	<0.5	<0.5	<0.5
MW1	03/26/04	---	12.79	6.18	6.61	No	74g	<50.0	---	171	<0.50	0.5	<0.5	<0.5

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW1	11/02/04	---	12.79	6.44	6.35	No	75g	145	---	137	0.50	<0.5	<0.5	<0.5
MW1	02/04/05	---	12.79	5.01	7.78	No	158g	132	---	120	<0.50	<0.5	<0.5	<0.5
MW1	05/02/05	---	12.79	4.66	8.13	No	386g	131	---	138	<0.50	<0.5	<0.5	<0.5
MW1	08/01/05	---	12.79	5.51	7.28	No	129g	89.8	---	98.4	0.70	<0.5	<0.5	<0.5
MW1	10/25/05	---	12.79	5.54	7.25	No	<50.0	67.2	---	84.1	<0.50	<0.50	<0.50	<0.50
MW1	01/24/06	---	12.79	4.07	8.72	No	<50	71	---	91	<0.50	<0.50	<0.50	<0.50
MW1	04/28/06	---	12.79	4.01	8.78	No	<47	80 l	---	92n	<0.50n	<0.50	<0.50	<0.50
MW1	08/04/06	---	12.79	4.78	8.01	No	159	70.9	---	71.0	<0.50	<0.50	<0.50	<0.50
MW1	10/06/06	---	12.79	7.02	5.77	No	<47	70 l	---	98	<0.50	<0.50	<0.50	<0.50
MW1	01/12/07 h	---	12.79	---	---	---	---	---	---	---	---	---	---	---
MW1	03/26/07	---	Well destroyed.											
MW2	01/20/94	---	12.98	---	---	---	---	---	---	---	---	---	---	---
MW2	02/02/94	---	12.98	---	---	---	---	---	---	---	---	---	---	---
MW2	03/10/94	---	12.98	6.96	6.02	[8 c.]	---	---	---	---	---	---	---	---
MW2	04/22/94	---	12.98	---	---	[10 c.]	---	---	---	---	---	---	---	---
MW2	05/10/94	---	12.98	---	---	[5 c.]	---	---	---	---	---	---	---	---
MW2	06/27/94	---	12.98	7.10	5.88	Sheen	---	---	---	---	---	---	---	---
MW2	08/31/94	---	12.98	8.58	4.40	Sheen	---	---	---	---	---	---	---	---
MW2	09/29/94	---	12.98	9.11	3.87	Sheen	---	---	---	---	---	---	---	---
MW2	10/25/94	---	12.98	7.76	5.22	Sheen	---	---	---	---	---	---	---	---
MW2	11/30/94	---	12.98	7.33	5.65	---	---	---	---	---	---	---	---	---
MW2	12/27/94	---	12.98	6.77	6.21	Sheen	---	---	---	---	---	---	---	---
MW2	02/06/95	---	12.98	5.00	7.98	Sheen	---	---	---	---	---	---	---	---
MW2	06/07/95	---	12.98	7.14	5.84	Sheen	---	---	---	---	---	---	---	---
MW2	09/18/95	---	12.98	10.82	2.16	Sheen	---	---	---	---	---	---	---	---
MW2	11/01/95	---	12.98	11.65	1.33	Sheen	---	---	---	---	---	---	---	---
MW2	02/14/96	---	12.98	8.39	4.59	Sheen	---	---	---	---	---	---	---	---
MW2	06/19/96	---	12.98	6.55	6.43	Sheen	---	---	---	---	---	---	---	---
MW2	09/24/96	---	12.98	11.56	1.42	Sheen	---	---	---	---	---	---	---	---
MW2	12/11/96	---	12.98	8.02	4.96	Sheen	---	---	---	---	---	---	---	---
MW2	03/19/97	---	12.98	8.63	4.35	Sheen	---	---	---	---	---	---	---	---
MW2	06/04/97	---	12.98	10.57	2.41	Sheen	---	---	---	---	---	---	---	---
MW2	09/02/97	---	12.98	11.51	1.47	Sheen	---	---	---	---	---	---	---	---
MW2	12/02/97	---	12.98	11.24	1.74	No	820	1,400	57	---	15	2.8	8.6	<2.5
MW2	03/27/98	---	12.98	6.06	6.92	No	2,000	7,400	<50	---	1,400	350	490	1,500
MW2	06/23/98	---	12.98	11.06	1.92	Sheen	2,900	180	9.5	---	3.2	0.55	0.92	1.3
MW2	09/29/98	---	12.98	10.51	2.47	No	180	290	9.3	---	<0.50	0.65	1.5	1.5

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW2	12/30/98	---	12.98	9.83	3.15	No	700	520	16	---	17	0.96	2.6	3.5
MW2	03/24/99	---	12.98	4.47	8.51	No	1,440	14,000	<40	---	1,300	336	786	3,420
MW2	06/22/99	---	12.98	6.42	6.56	No	2,310	1,080	25.2	---	54.3	14.9	38.8	107
MW2	09/29/99	---	12.98	8.00	4.98	No	2,720e	517	15.4	---	37.5	7.48	12.9	15.2
MW2	12/21/99	---	12.98	8.10	4.88	No	6,300	3,200	<2	---	360	5.5	120	106
MW2	03/21/00 h	---	12.98	---	---	---	---	---	---	---	---	---	---	---
MW2	03/30/01	---	12.98	3.09	9.89	No	510	200	---	110	7.2	<0.5	2.4	2.1
MW2	11/01/01	---	13.06	Well surveyed in compliance with AB 2886 requirements.										
MW2	03/11/02 k	---	13.06	3.78	9.28	No	293	<1,000	62.0	30	<10.0	<10.0	<10.0	<10.0
MW2	03/11/03	---	13.06	5.49	7.57	No	422	1,490	325	428	279	3.0	9.8	18.9
MW2	03/27/04	---	13.06	4.65	8.41	No	184g	254	---	131	6.80	0.5	<0.5	1.2
MW2	11/02/04	---	13.06	4.43	8.63	No	96	52.0	---	8.00	1.40	<0.5	<0.5	<0.5
MW2	02/04/05	---	13.06	3.32	9.74	No	372g	66.0	---	8.30	<0.50	<0.5	<0.5	<0.5
MW2	05/02/05	---	13.06	2.74	10.32	No	195g	84.2	---	5.30	<0.50	<0.5	<0.5	<0.5
MW2	08/01/05	---	13.06	2.99	10.07	No	344g	<50.0	---	1.70	0.60	<0.5	<0.5	<0.5
MW2	10/25/05	---	13.06	2.08	10.98	No	55.3g	<50.0	---	1.22	<0.50	<0.50	<0.50	<0.50
MW2	01/24/06	---	13.06	2.77	10.29	No	170g	<50	---	1.6	<0.50	<0.50	<0.50	<0.50
MW2	04/28/06	---	13.06	1.46	11.60	No	6,900m	<50	---	1.4n	0.99n	<0.50	<0.50	<0.50
MW2	08/04/06	---	13.06	1.52	11.54	No	145	<50.0	---	0.820	<0.50	<0.50	<0.50	<0.50
MW2	10/06/06	---	13.06	5.55	7.51	No	90g	<50	---	2.1	0.78	<0.50	<0.50	<0.50
MW2	01/12/07	---	13.06	5.50	7.56	No	180g	95	---	7.0	7.6	<0.50	<0.50	<0.50
MW2	04/09/07	---	13.06	5.68	7.38	No	230g	115	---	8.99	1.36j	<0.50	<0.50	0.62
MW2	08/06/07	---	13.06	6.15	6.91	No	160g	83	---	7.4	0.65	<0.50	<0.50	<0.50
MW2	11/15/07	---	13.06	6.71	6.35	No	120g	140	---	13	22	<0.50	<0.50	<0.50
MW2	01/02/08	---	13.06	6.20	6.86	No	430j	890	---	25	330	<5.0	<5.0	6.6
MW2	04/03/08	---	13.06	5.10	7.96	No	230g	170	---	13	<0.50	1.0	<0.50	1.9
MW2	07/09/08	---	13.06	6.23	6.83	No	350g	86	---	6.4	<0.50	<0.50	<0.50	<0.50
MW2	10/01/08	---	13.06	Well covered by asphalt.										
MW2	01/07/09	---	13.06	Well covered by asphalt.										
MW2	01/16/09	---	13.06	6.99	6.07	No	1,100	1,000	---	14	290	3.6	1.2	11
MW2	04/24/09	---	13.06	5.76	7.30	No	310	570	---	6.1	<0.50	<0.50	<0.50	<1.0
MW2	**07/01/09**	**---**	**13.06**	**6.37**	**6.69**	**No**	**290**	**68**	**---**	**11**	**<0.50**	**<0.50**	**<0.50**	**<1.0**
MW3	01/20/94	---	12.92	8.24	4.68	Sheen	---	---	---	---	---	---	---	---
MW3	02/02/94	---	12.92	7.68	5.24	Sheen	---	---	---	---	---	---	---	---
MW3	03/10/94	---	12.92	7.24	5.68	Sheen	---	---	---	---	---	---	---	---
MW3	04/22/94	---	12.92	6.79	6.13	Sheen	---	---	---	---	---	---	---	---
MW3	05/10/94	---	12.92	6.43	6.49	Sheen	---	---	---	---	---	---	---	---

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW3	06/27/94	---	12.92	6.97	5.95	0.01	---	---	---	---	---	---	---	---
MW3	08/31/94	---	12.92	8.41	4.51	Sheen	---	---	---	---	---	---	---	---
MW3	09/29/94	---	12.92	8.97	3.95	Sheen	---	---	---	---	---	---	---	---
MW3	10/25/94	---	12.92	9.43	3.49	Sheen	---	---	---	---	---	---	---	---
MW3	11/28/94	---	12.92	7.19	5.73	---	---	---	---	---	---	---	---	---
MW3	12/27/94	---	12.92	6.64	6.28	Sheen	---	---	---	---	---	---	---	---
MW3	02/06/95	---	12.92	4.87	8.05	Sheen	---	---	---	---	---	---	---	---
MW3	06/07/95	---	12.92	7.05	5.87	Sheen	---	---	---	---	---	---	---	---
MW3	09/18/95	---	12.92	10.61	2.31	Sheen	---	---	---	---	---	---	---	---
MW3	11/01/95	---	12.92	11.58	1.34	Sheen	---	---	---	---	---	---	---	---
MW3	02/14/96	---	12.92	8.34	4.58	Sheen	---	---	---	---	---	---	---	---
MW3	06/19/96	---	12.92	6.35	6.57	Sheen	---	---	---	---	---	---	---	---
MW3	09/24/96	---	12.92	11.45	1.47	Sheen	---	---	---	---	---	---	---	---
MW3	12/11/96	---	12.92	7.89	5.03	No	17,000	4,800	30	---	340	<5.0	8.2	20
MW3	03/19/97	---	12.92	9.83	3.09	No	3,000	1,900	80	---	160	11	5.6	10
MW3	06/04/97	---	12.92	10.43	2.49	No	8,000	920	11	---	15	2.8	2.4	<2.0
MW3	09/02/97	---	12.92	12.45	0.47	Sheen	---	---	---	---	---	---	---	---
MW3	12/02/97	---	12.92	11.21	1.71	No	6,700	920	21	---	10	2.1	<1.0	2.7
MW3	03/24/98	---	12.92	5.93	6.99	No	4,600	1,500	25	---	5,500	<5.0	<5.0	<5.0
MW3	06/23/98	---	12.92	11.13	1.79	No	39,000	1,300	9.4	---	53	<1.0	<1.0	<1.0
MW3	09/29/98	---	12.92	10.46	2.46	Sheen	2,600	540	<5.0	---	6.8	1.9	1.4	2.3
MW3	12/30/98	---	12.92	9.72	3.20	No	11,000	4,000	<50	---	74	<10	<10	<10
MW3	03/24/99	---	12.92	4.36	8.56	Sheen	3,850	2,330	<20	---	<5.0	<5.0	<5.0	<5.0
MW3	06/22/99	---	12.92	6.22	6.70	No	6,860	1,470	<10	---	492	<2.5	<2.5	<2.5
MW3	09/29/99	---	12.92	8.10	4.82	No	2,290e	315	<5.0	---	11.5	3.07	<1.0	2.54
MW3	12/21/99	---	12.92	7.99	4.93	No	37,000	6,600	4	---	22	5	5.1	31.4
MW3	01/26/00	---	12.92	5.48	7.44	No	2,600g	---	---	---	---	---	---	---
MW3	03/21/00 h	---	12.92	---	---	---	---	---	---	---	---	---	---	---
MW3	03/30/01	---	12.92	4.02	8.90	No	2,000	880	---	300	130	<0.5	1.2	2.4
MW3	11/01/01	---	13.71	Well surveyed in compliance with AB 2886 requirements.										
MW3	03/11/02 k	---	13.71	4.72	8.99	No	19,100	<2,500	130	175	165	<25.0	<25.0	<25.0
MW3	03/11/03	---	13.71	6.23	7.48	No	1,190	887	122	119	71.9	0.8	1.1	2.0
MW3	03/26/04	---	13.71	5.47	8.24	No	16,500g	1,350	---	98.4	30.8	1.6	<0.5	3.8
MW3	11/02/04	---	13.71	5.30	8.41	No	3,620g	466	---	30.8	32.4	<0.5	<0.5	4.7
MW3	02/04/05	---	13.71	4.14	9.57	No	2,850g	531	---	22.7	19.3	<0.5	0.6	1.6
MW3	05/02/05	---	13.71	3.41	10.30	No	3,940g	586	---	29.5	36.3	3.1	0.8	4.3
MW3	08/01/05	---	13.71	3.88	9.83	No	1,550	815	---	18.1	36.6	0.6	1.1	2.4
MW3	10/25/05	---	13.71	3.11	10.60	No	4,010g	379	---	3.47	<0.50	<0.50	<0.50	1.01
MW3	01/24/06	---	13.71	2.69	11.02	No	2,200g	510	---	13	35	<1.0	2.1	<1.0

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW3	04/28/06	---	13.71	2.44	11.27	No	100g	330	---	13n	3.8n	<1.0	<1.0	<1.0
MW3	08/04/06	---	13.71	2.51	11.20	No	3,890	441	---	10.1	14.7	0.57	1.44	4.23
MW3	10/06/06	---	13.71	6.33	7.38	No	5,300j	360	---	9.7	3.8	<1.0	<1.0	<1.0
MW3	01/12/07	---	13.71	6.20	7.51	No	4,700	300	---	9.0	3.9	<2.5	<2.5	<2.5
MW3	04/09/07	---	13.71	6.47	7.24	No	1,600	428	---	11.8	3.33j	<0.50	0.74	4.11
MW3	08/06/07	---	13.71	6.91	6.80	No	5,200	390	---	8.1	5.3	<0.50	<0.50	<0.50
MW3	11/15/07	---	13.71	7.47	6.24	No	7,000	290	---	6.2	3.0	<0.50	<0.50	<0.50
MW3	01/02/08	---	13.71	6.87	6.84	No	19,000j	390	---	9.9	6.4	<1.0	<1.0	<1.0
MW3	04/03/08	---	13.71	5.96	7.75	No	1,200	330	---	10	4.7	2.5	<0.50	2.9
MW3	07/09/08	---	13.71	7.00	6.71	No	2,500	640	---	11	10	3.2	<0.50	1.6
MW3	10/01/08	---	13.71	7.56	6.15	No	590	730	---	6.0	1.4	<0.50	<0.50	<1.0
MW3	01/07/09	---	13.71	7.61	6.10	No	6,900	760	---	5.9	<0.50	<0.50	1.5	3.0
MW3	01/16/09	---	13.71	7.74	5.97	No	---	---	---	---	---	---	---	---
MW3	04/24/09	---	13.71	6.47	7.24	No	6,700	2,200	---	12	<0.50	<0.50	1.5	3.3
MW3	**07/01/09**	**---**	**13.71**	**7.05**	**6.66**	**No**	**1,700**	**390**	**---**	**4.3**	**<0.50**	**<0.50**	**<0.50**	**2.8**
MW4	01/20/94	---	12.77	---	---	---	---	---	---	---	---	---	---	---
MW4	02/02/94	---	12.77	---	---	[1 c.]	---	---	---	---	---	---	---	---
MW4	03/10/94	---	12.77	7.12	5.65	[8 c.]	---	---	---	---	---	---	---	---
MW4	04/22/94	---	12.77	---	---	[10 c.]	---	---	---	---	---	---	---	---
MW4	05/10/94	---	12.77	---	---	[5 c.]	---	---	---	---	---	---	---	---
MW4	06/27/94	---	12.77	6.50	6.27	0.01	---	---	---	---	---	---	---	---
MW4	08/31/94	---	12.77	7.84	4.93	0.02	---	---	---	---	---	---	---	---
MW4	09/29/94	---	12.77	8.43	4.34	0.03	---	---	---	---	---	---	---	---
MW4	10/25/94	---	12.77	9.24	3.53	Sheen	---	---	---	---	---	---	---	---
MW4	11/30/94	---	12.77	6.77	6.00	---	---	---	---	---	---	---	---	---
MW4	12/27/94	---	12.77	6.14	6.63	Sheen	---	---	---	---	---	---	---	---
MW4	02/06/95	---	12.77	4.87	7.90	Sheen	---	---	---	---	---	---	---	---
MW4	06/07/95	---	12.77	6.91	5.86	Sheen	---	---	---	---	---	---	---	---
MW4	09/18/95	---	12.77	9.59	3.18	Sheen	---	---	---	---	---	---	---	---
MW4	11/01/95	---	12.77	11.52	1.25	Sheen	---	---	---	---	---	---	---	---
MW4	02/14/96	---	12.77	8.56	4.21	Sheen	---	---	---	---	---	---	---	---
MW4	06/19/96	---	12.77	6.09	6.68	Sheen	---	---	---	---	---	---	---	---
MW4	09/24/96	---	12.77	10.20	2.57	Sheen	---	---	---	---	---	---	---	---
MW4	12/11/96	---	12.77	7.78	4.99	Sheen	---	---	---	---	---	---	---	---
MW4	03/19/97	---	12.77	8.56	4.21	Sheen	---	---	---	---	---	---	---	---
MW4	06/04/97	---	12.77	9.31	3.46	Sheen	---	---	---	---	---	---	---	---
MW4	09/02/97	---	12.77	10.00	2.77	Sheen	---	---	---	---	---	---	---	---

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW4	12/02/97	---	12.77	8.72	4.05	No	15,000	1,500	50	---	<2.5	9.7	3.0	10
MW4	03/24/98	---	12.77	5.79	6.98	No	6,400	540	38	---	<0.5	4.4	1.6	5.4
MW4	06/23/98	---	12.77	8.50	4.27	Sheen	7,500	1,000	25	---	3.3	<2.0	<2.0	<2.0
MW4	09/29/98	---	12.77	9.77	3.00	Sheen	65,000	7,300	<50	---	<10	<10	<10	<10
MW4	12/30/98	---	12.77	8.54	4.23	Sheen	12,000	1,000	170	---	3.8	5.1	<2.5	4.1
MW4	03/24/99	---	12.77	4.41	8.36	Sheen	20,500	1,300	4.40	---	2.64	<1.0	<1.0	<1.0
MW4	06/22/99	---	12.77	5.71	7.06	No	9,760	1,470	<10	---	404	<2.5	<2.5	<2.5
MW4	09/29/99	---	12.77	7.32	5.45	No	2,470f	589c	8.12	---	12.6	<1.0	<1.0	<1.0
MW4	12/21/99	---	12.77	7.58	5.19	No	230,000	2,000	<2	---	<0.5	0.56	1.9	18.6
MW4	01/26/00	---	12.77	5.85	6.92	No	3,200g	---	---	---	---	---	---	---
MW4	03/21/00	---	12.77	3.58	9.19	No	5,900	270	13	---	6.8	0.83	<0.5	3.6
MW4	03/30/01	---	12.77	Well covered by asphalt.										
MW5	07/18/89	---	Well destroyed.											
MW6	01/20/94	---	14.27	---	---	---	---	---	---	---	---	---	---	---
MW6	02/02/94	---	14.27	---	---	---	---	---	---	---	---	---	---	---
MW6	03/10/94	---	14.27	7.82	6.45	[¼ c.]	---	---	---	---	---	---	---	---
MW6	04/22/94	---	14.27	---	---	[10 c.]	---	---	---	---	---	---	---	---
MW6	05/10/94	---	14.27	---	---	[3 c.]	---	---	---	---	---	---	---	---
MW6	06/27/94	---	14.27	7.77	6.50	Sheen	---	---	---	---	---	---	---	---
MW6	08/31/94	---	14.27	9.02	5.25	Sheen	---	---	---	---	---	---	---	---
MW6	09/29/94	---	14.27	9.51	4.76	Sheen	---	---	---	---	---	---	---	---
MW6	10/25/94	---	14.27	9.93	4.34	Sheen	---	---	---	---	---	---	---	---
MW6	11/30/94	---	14.27	8.05	6.22	---	---	---	---	---	---	---	---	---
MW6	12/27/94	---	14.27	7.54	6.73	---	---	---	---	---	---	---	---	---
MW6	02/06/95	---	14.27	5.86	8.41	Sheen	---	---	---	---	---	---	---	---
MW6	06/07/95	---	14.27	8.07	6.20	Sheen	---	---	---	---	---	---	---	---
MW6	09/18/95	---	14.27	10.54	3.73	Sheen	---	---	---	---	---	---	---	---
MW6	11/01/95	---	14.27	11.41	2.86	Sheen	---	---	---	---	---	---	---	---
MW6	02/14/96	---	14.27	9.17	5.10	Sheen	---	---	---	---	---	---	---	---
MW6	06/19/96	---	14.27	7.13	7.14	Sheen	---	---	---	---	---	---	---	---
MW6	09/24/96	---	14.27	11.24	3.03	Sheen	---	---	---	---	---	---	---	---
MW6	12/11/96	---	14.27	9.20	5.07	No	2,900	9,100	<100	---	2,100	22	160	260
MW6	03/19/97	---	14.27	10.14	4.13	No	3,800	24,000	250	---	5,800	91	1,300	1,900
MW6	06/04/97	---	14.27	10.58	3.69	No	3,300	20,000	270	---	4,400	<50	540	480
MW6	09/02/97	---	14.27	11.02	3.25	No	2,100	8,100	<25	---	1,800	<25	140	170
MW6	12/02/97	---	14.27	10.45	3.82	No	2,300	6,800	<100	---	1,100	<20	77	74

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6	03/24/98	---	14.27	7.09	7.18	No	3,800	20,000	<250	---	4,300	<50	2,200	1,500
MW6	06/23/98	---	14.27	9.79	4.48	Sheen	4,100	19,000	<500	---	3,400	<100	1,800	1,100
MW6	09/29/98	---	14.27	10.56	3.71	No	2,300	8,600	<100	---	2,100	25	300	260
MW6	12/30/98	---	14.27	9.97	4.30	No	2,700	6,800	<125	---	1,600	<25	84	200
MW6	03/24/99	---	14.27	5.02	9.25	Sheen	2,670	12,600	<20	---	3,380	16.5	221	190
MW6	06/22/99	---	14.27	6.91	7.36	No	5,670	6,720	<40	---	2,400	<10	767	14.4
MW6	09/29/99	---	14.27	8.66	5.61	No	1,370f	6,310d	<250	---	<25	<25	133	<25
MW6	12/21/99	---	14.27	8.57	5.70	No	2,300	3,800	12	---	890	3.3	94	95
MW6	03/21/00 h	---	14.27	---	---	---	---	---	---	---	---	---	---	---
MW6	03/30/01	---	14.27	3.66	10.61	No	2,000	9,200	---	<5	3,100	9.1	130	31
MW6	11/01/01	---	14.23	Well surveyed in compliance with AB 2886 requirements.										
MW6	03/11/02 k	---	14.23	4.55	9.68	No	1,460	7,660	45.0	<5.0	2,200	25.0 j	410	285
MW6	03/11/03	---	14.23	5.79	8.44	No	1,100	5,120	15.7	1.80	920	3.2	36	19.4
MW6	03/26/04	---	14.23	5.22	9.01	No	596g	5,090	---	0.70	1,130	14.7	164	62.9
MW6	11/02/04	---	14.23	4.84	9.39	No	1,000g	4,320	---	<0.50	793	3.6	178	53.0
MW6	02/04/05	---	14.23	3.83	10.40	No	1,410g	3,950	---	<0.50	1,210	9.4	110	22.6
MW6	05/02/05	---	14.23	3.18	11.05	No	852g	4,900	---	<0.50	755	6.6	189	20.9
MW6	08/01/05	---	14.23	3.92	10.31	No	1,290g	3,320	---	1.20	597	5.1	64.7	47.5
MW6	10/25/05	---	14.23	3.93	10.30	No	861g	2,870	---	1.48	496	4.24	63.5	35.9
MW6	01/24/06	---	14.23	2.81	11.42	No	570g	4,000	---	<5.0	590	<25	51	<25
MW6	04/28/06	---	14.23	2.68	11.55	No	400g	3,600	---	2.3n	600n	<12	60	<12
MW6	08/04/06	---	14.23	3.07	11.16	No	899	4,070	---	0.920	294	4.42	74.1	19.9
MW6	10/06/06	---	14.23	5.64	8.59	No	430g,j	1,900	---	<0.50	140	<12	24	<12
MW6	01/12/07	---	14.23	5.82	8.41	No	300g	1,700	---	<0.50	98	<5.0	16	<5.0
MW6	04/09/07	---	14.23	6.03	8.20	No	230g	2,150	---	<0.500	116j	1.66	12.3	6.39
MW6	08/06/07	---	14.23	6.40	7.83	No	190g	<500	---	<0.50	85	<5.0	<5.0	<5.0
MW6	11/15/07	---	14.23	6.93	7.30	No	390g	410	---	<0.50	57	<2.5	<2.5	<2.5
MW6	01/02/08	---	14.23	6.40	7.83	No	170g,j	670	---	<0.50	63	<2.5	<2.5	<2.5
MW6	04/03/08	---	14.23	5.47	8.76	No	340g	460	---	<0.50	13	1.9	2.3	2.9
MW6	07/09/08	---	14.23	6.50	7.73	No	290g	1,200	---	<0.50	86	<5.0	<5.0	<5.0
MW6	10/01/08	---	14.23	Well covered by asphalt.										
MW6	01/07/09	---	14.23	Well covered by asphalt.										
MW6	01/16/09	---	14.23	7.25	6.98	No	110	200	---	<0.50	1.9	<0.50	<0.50	<1.0
MW6	04/24/09	---	14.23	5.91	8.32	No	160	450	---	<0.50	54	<0.50	0.57o	<1.0
MW6	**07/01/09**	**---**	**14.23**	**6.47**	**7.76**	**No**	**<50**	**150**	**---**	**<0.50**	**30**	**<0.50**	**<0.50**	**<1.0**
MW7	01/20/94	---	14.84	8.67	6.17	No	---	---	---	---	---	---	---	---
MW7	02/02/94	---	14.84	8.47	6.37	No	---	---	---	---	---	---	---	---

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW7	02/03/94	---	14.84	---	---	---	1,300	2,900	---	---	79	5	8.2	21
MW7	03/10/94	---	14.84	8.24	6.60	No	---	---	---	---	---	---	---	---
MW7	04/22/94	---	14.84	7.95	6.89	No	---	---	---	---	---	---	---	---
MW7	05/10/94	---	14.84	7.53	7.31	No	---	---	---	---	---	---	---	---
MW7	05/11/94	---	14.84	---	---	---	1,300	2,400	---	---	88	5.6	5.2	15
MW7	06/27/94	---	14.84	8.01	6.83	No	---	---	---	---	---	---	---	---
MW7	08/31/94	---	14.84	9.19	5.65	No	---	---	---	---	---	---	---	---
MW7	09/29/94	---	14.84	9.65	5.19	No	56	1,900	---	---	71	3.1	3.5	7.8
MW7	10/25/94	---	14.84	9.96	4.88	No	89	1,400	---	---	51	1.5	24	6.8
MW7	11/30/94	---	14.84	7.78	7.06	---	---	---	---	---	---	---	---	---
MW7	12/27/94	---	14.84	7.51	7.33	---	---	---	---	---	---	---	---	---
MW7	02/06/95	---	14.84	5.79	9.05	No	1,300	2,500	---	---	130	<10	<10	<10
MW7	06/07/95	---	14.84	7.73	7.11	No	1,200	2,400	39	---	91	5	7.6	14
MW7	09/18/95	---	14.84	9.81	5.03	No	1,100	1,800	<25	---	17	<5.0	<5.0	<5.0
MW7	11/01/95	---	14.84	10.56	4.28	No	1,700	3,000	<13	---	2.7	11	25	<2.5
MW7	02/14/96	---	14.84	8.04	6.80	No	1,200	1,900	<25	---	59	<5.0	<5.0	<5.0
MW7	06/19/96	---	14.84	7.33	7.51	No	1,400	2,000	<25	---	96	<5.0	<5.0	5.6
MW7	09/24/96	---	14.84	10.10	4.74	No	1,100	950	<25	---	6.8	<5.0	<5.0	<5.0
MW7	12/11/96	---	14.84	8.50	6.34	No	1,600	2,500	<10	---	50	<2.0	6.4	30
MW7	03/19/97	---	14.84	8.88	5.96	No	840	2,700	<25	---	61	8.0	21	68
MW7	06/04/97	---	14.84	9.38	5.46	No	1,000	1,900	<2.5	---	45	<2.0	5.3	13
MW7	09/02/97	---	14.84	9.69	5.15	No	790	1,700	<2.5	---	28	2.2	<2.0	5.9
MW7	12/02/97	---	14.84	8.65	6.19	No	1,100	2,000	14	---	33	2.2	2.0	5.8
MW7	03/24/98	---	14.84	6.40	8.44	No	950	2,300	<25	---	73	<5.0	<5.0	22
MW7	06/23/98	---	14.84	8.34	6.50	No	1,600	4,700	140	---	50	<5.0	12	20
MW7	09/29/98	---	14.84	9.76	5.08	No	630	700	<5.0	---	2.7	1.3	2.4	5.3
MW7	12/30/98	---	14.84	8.86	5.98	No	1,700	1,400	<5.0	---	17	7.7	2.8	16
MW7	03/24/99	---	14.84	5.48	9.36	Sheen	860	1,740	6.73	---	59.2	2.76	4.33	15.1
MW7	06/22/99	---	14.84	6.54	8.30	No	5,330	3,250	<4.0	---	59.5	3.96	2.89	6.38
MW7	09/29/99	---	14.84	8.45	6.39	No	1,750f	1,360c,d	<25	---	3.07	<2.5	5.02	6.32
MW7	12/21/99	---	14.84	8.39	6.45	No	4,600	2,900	<2	---	47	2	1.7	8.53
MW7	03/21/00	---	14.84	4.72	10.12	No	1,500	760	<2	---	43	2	2.2	10.8
MW7	12/21/00	---	Well destroyed.											
MW8	01/20/94	---	13.45	8.90	4.55	Sheen	---	---	---	---	---	---	---	---
MW8	02/02/94	---	13.45	8.58	4.87	Sheen	---	---	---	---	---	---	---	---
MW8	03/10/94	---	13.45	7.16	6.29	Sheen	---	---	---	---	---	---	---	---
MW8	04/22/94	---	13.45	7.34	6.11	Sheen	---	---	---	---	---	---	---	---

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW8	05/10/94	---	13.45	7.04	6.41	Sheen	---	---	---	---	---	---	---	---
MW8	06/27/94	---	13.45	6.01	7.44	Sheen	---	---	---	---	---	---	---	---
MW8	08/31/94	---	13.45	9.26	4.19	Sheen	---	---	---	---	---	---	---	---
MW8	09/29/94	---	13.45	9.76	3.69	Sheen	---	---	---	---	---	---	---	---
MW8	10/25/94	---	13.45	10.05	3.40	Sheen	---	---	---	---	---	---	---	---
MW8	11/30/94	---	13.45	7.68	5.77	---	---	---	---	---	---	---	---	---
MW8	12/27/94	---	13.45	7.11	6.34	Sheen	---	---	---	---	---	---	---	---
MW8	02/06/95	---	13.45	5.39	8.06	Sheen	---	---	---	---	---	---	---	---
MW8	06/07/95	---	13.45	7.53	5.92	Sheen	---	---	---	---	---	---	---	---
MW8	09/18/95	---	13.45	9.84	3.61	Sheen	---	---	---	---	---	---	---	---
MW8	11/01/95	---	13.45	10.47	2.98	Sheen	---	---	---	---	---	---	---	---
MW8	02/14/96	---	13.45	8.27	5.18	Sheen	---	---	---	---	---	---	---	---
MW8	06/19/96	---	13.45	6.88	6.57	Sheen	---	---	---	---	---	---	---	---
MW8	09/24/96	---	13.45	10.13	3.32	Sheen	---	---	---	---	---	---	---	---
MW8	12/11/96	---	13.45	8.53	4.92	Sheen	---	---	---	---	---	---	---	---
MW8	03/19/97	---	13.45	9.09	4.36	Sheen	---	---	---	---	---	---	---	---
MW8	06/04/97	---	13.45	9.52	3.93	Sheen	---	---	---	---	---	---	---	---
MW8	09/02/97	---	13.45	9.72	3.73	No	8,000	20,000	<50	---	57	<50	850	660
MW8	12/02/97	---	13.45	8.83	4.62	No	2,700	6,900	130	---	83	<10	<10	100
MW8	03/24/98	---	13.45	6.52	6.93	No	2,900	10,000	<125	---	190	<25	470	330
MW8	06/23/98	---	13.45	9.02	4.43	No	3,700	10,000	<50	---	140	<10	460	260
MW8	09/29/98	---	13.45	9.72	3.73	No	3,600	12,000	130	---	46	<10	340	190
MW8	12/30/98	---	13.45	9.06	4.39	No	3,000	11,000	140	---	170	<25	230	160
MW8	03/24/99	---	13.45	5.21	8.24	Sheen	2,250	13,000	22.6	---	336	53.2	415	326
MW8	06/22/99	---	13.45	6.51	6.94	Sheen	4,010	13,000	64.9	---	174	<5.0	186	13.1
MW8	09/29/99	---	13.45	8.22	5.23	No	2,170f	5,420	<25	---	20.4	<5.0	<5.0	38.5
MW8	12/21/99	---	13.45	8.41	5.04	No	2,100	4,700	<2	---	190	15	160	68.2
MW8	03/21/00	---	13.45	4.47	8.98	No	---	6,300	270	---	380	12	260	86
MW8	12/21/00	---	Well destroyed.											
MW9	01/20/94	---	14.64	---	---	---	---	---	---	---	---	---	---	---
MW9	02/02/94	---	14.64	---	---	---	---	---	---	---	---	---	---	---
MW9	03/10/94	---	14.64	6.90	7.74	No	---	---	---	---	---	---	---	---
MW9	04/22/94	---	14.64	7.38	7.26	No	---	---	---	---	---	---	---	---
MW9	05/10/94	---	14.64	6.96	7.68	No	---	---	---	---	---	---	---	---
MW9	06/27/94	---	14.64	7.65	6.99	No	---	---	---	---	---	---	---	---
MW9	08/31/94	---	14.64	8.87	5.77	No	---	---	---	---	---	---	---	---
MW9	09/29/94	---	14.64	9.19	5.45	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9	10/25/94	---	14.64	9.66	4.98	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9	11/30/94	---	14.64	8.38	6.26	---	---	---	---	---	---	---	---	---
MW9	12/27/94	---	14.64	7.29	7.35	No	---	---	---	---	---	---	---	---
MW9	02/06/95	---	14.64	5.74	8.90	No	56	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9	06/07/95	---	14.64	8.33	6.31	No	72	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9	09/18/95	---	14.64	9.28	5.36	No	60	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9	11/01/95	---	14.64	10.09	4.55	No	61	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9	02/14/96	---	14.64	6.26	8.38	No	83	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9	06/19/96	---	14.64	6.68	7.96	No	68	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9	09/24/96	---	14.64	9.72	4.92	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9	12/11/96	---	14.64	8.11	6.53	No	91	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9	03/19/97	---	14.64	7.72	6.92	No	140	<50	<2.5	---	0.83	<0.5	<0.5	<0.5
MW9	06/04/97	---	14.64	8.87	5.77	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9	09/02/97	---	14.64	9.44	5.20	No	140	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9	12/02/97	---	14.64	8.43	6.21	No	71	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9	03/24/98	---	14.64	5.84	8.80	No	62	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9	06/23/98	---	14.64	7.81	6.83	No	69	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9	09/29/98	---	14.64	9.26	5.38	No	52	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9	12/30/98	---	14.64	8.28	6.36	No	74	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9	03/24/99	---	14.64	4.74	9.90	No	71.1	b	b	---	b	b	b	b
MW9	06/22/99	---	14.64	---	---	---	---	---	---	---	---	---	---	---
MW9	09/29/99	---	14.64	8.41	6.23	No	---	---	---	---	---	---	---	---
MW9	12/21/99	---	14.64	8.20	6.44	No	---	---	---	---	---	---	---	---
MW9	03/21/00	---	14.64	4.59	10.05	No	---	---	---	---	---	---	---	---
MW9	12/21/00	---	Well destroyed.											
MW10	01/20/94	---	14.05	8.40	5.65	No	---	---	---	---	---	---	---	---
MW10	02/02/94	---	14.05	8.00	6.05	No	---	---	---	---	---	---	---	---
MW10	02/03/94	---	14.05	---	---	---	<50	<50	---	---	<0.5	1	<0.5	1.8
MW10	03/10/94	---	14.05	7.56	6.49	No	---	---	---	---	---	---	---	---
MW10	04/22/94	---	14.05	7.35	6.70	No	---	---	---	---	---	---	---	---
MW10	05/10/94	---	14.05	7.06	6.99	No	---	---	---	---	---	---	---	---
MW10	05/11/94	---	14.05	---	---	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW10	06/27/94	---	14.05	7.59	6.46	No	---	---	---	---	---	---	---	---
MW10	08/31/94	---	14.05	8.73	5.32	No	---	---	---	---	---	---	---	---
MW10	09/29/94	---	14.05	9.07	4.98	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW10	10/25/94	---	14.05	9.41	4.64	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW10	11/30/94	---	14.05	7.62	6.43	---	---	---	---	---	---	---	---	---

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW10	12/27/94	---	14.05	7.01	7.04	No	---	---	---	---	---	---	---	---
MW10	02/06/95	---	14.05	5.60	8.45	No	---	<50	<50	---	<0.5	<0.5	<0.5	<0.5
MW10	06/07/95	---	14.05	7.12	6.93	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW10	09/18/95	---	14.05	8.54	5.51	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW10	11/01/95	---	14.05	9.44	4.61	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW10	02/14/96	---	14.05	9.36	4.69	No	64	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW10	06/19/96	---	14.05	7.32	6.73	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW10	09/24/96	---	14.05	9.07	4.98	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW10	12/11/96	---	14.05	7.73	6.32	No	67	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW10	03/19/97	---	14.05	7.62	6.43	No	51	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW10	06/04/97	---	14.05	8.38	5.67	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW10	09/02/97	---	14.05	8.64	5.41	No	120	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW10	12/02/97	---	14.05	7.22	6.83	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW10	03/24/98	---	14.05	5.71	8.34	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW10	06/23/98	---	14.05	7.23	6.82	No	90	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW10	09/29/98	---	14.05	8.39	5.66	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW10	12/30/98	---	14.05	7.74	6.31	No	58	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW10	03/24/99	---	14.05	4.74	9.31	No	<50	<50	<2.0	---	<0.5	<0.5	<0.5	<0.5
MW10	06/22/99	---	14.05	---	---	---	---	---	---	---	---	---	---	---
MW10	09/29/99	---	14.05	8.17	5.88	No	---	---	---	---	---	---	---	---
MW10	12/21/99	---	14.05	7.87	6.18	No	---	---	---	---	---	---	---	---
MW10	12/21/00	---	Well destroyed.											
MW11	01/20/94	---	13.55	9.61	3.94	No	---	---	---	---	---	---	---	---
MW11	02/02/94	---	13.55	9.56	3.99	No	---	---	---	---	---	---	---	---
MW11	02/03/94	---	13.55	---	---	---	160	<50	---	---	<0.5	1	<0.5	0.9
MW11	03/10/94	---	13.55	8.59	4.96	No	---	---	---	---	---	---	---	---
MW11	04/22/94	---	13.55	8.47	5.08	No	---	---	---	---	---	---	---	---
MW11	05/10/94	---	13.55	8.12	5.43	No	1002	<50	---	---	<0.53	<0.5	<0.5	3.2
MW11	06/27/94	---	13.55	8.65	4.90	No	---	---	---	---	---	---	---	---
MW11	08/31/94	---	13.55	9.80	3.75	No	---	---	---	---	---	---	---	---
MW11	09/29/94	---	13.55	10.16	3.39	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW11	10/25/94	---	13.55	10.48	3.07	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW11	11/30/94	---	13.55	8.55	5.00	---	---	---	---	---	---	---	---	---
MW11	12/27/94	---	13.55	7.98	5.57	No	---	---	---	---	---	---	---	---
MW11	02/06/95	---	13.55	6.49	7.06	No	160	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW11	06/07/95	---	13.55	7.98	5.57	No	50	<50	42	---	<0.5	<0.5	<0.5	<0.5
MW11	09/18/95	---	13.55	10.12	3.43	No	56	<50	32	---	<0.5	<0.5	<0.5	<0.5

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW11	11/01/95	---	13.55	10.75	2.80	No	170	<50	35	---	<0.5	<0.5	<0.5	<0.5
MW11	02/14/96	---	13.55	8.03	5.52	No	76	<50	37	---	<0.5	<0.5	<0.5	<0.5
MW11	06/19/96	---	13.55	7.85	5.70	No	92	<50	33	---	<0.5	<0.5	<0.5	<0.5
MW11	09/24/96	---	13.55	10.45	3.10	No	58	<50	40	---	<0.5	<0.5	<0.5	<0.5
MW11	12/11/96	---	13.55	9.02	4.53	No	110	<50	10	---	<0.5	<0.5	<0.5	<0.5
MW11	03/19/97	---	13.55	9.16	4.39	No	100	<50	6.9	---	<0.5	<0.5	<0.5	<0.5
MW11	06/04/97	---	13.55	9.91	3.64	No	<50	<50	5.6	---	<0.5	<0.5	<0.5	<0.5
MW11	09/02/97	---	13.55	10.25	3.30	No	150	<50	4.5	---	<0.5	<0.5	<0.5	<0.5
MW11	12/02/97	---	13.55	9.33	4.22	No	70	<50	5.8	---	<0.5	<0.5	<0.5	<0.5
MW11	03/24/98	---	13.55	6.77	6.78	No	<50	<50	4.1	---	<0.5	<0.5	<0.5	<0.5
MW11	06/23/98	---	13.55	8.99	4.56	No	70	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW11	09/29/98	---	13.55	9.89	3.66	No	76	<50	7.7	---	<0.5	<0.5	<0.5	<0.5
MW11	12/30/98	---	13.55	9.17	4.38	No	71	<50	3.5	---	<0.5	<0.5	<0.5	<0.5
MW11	03/24/99	---	13.55	5.79	7.76	No	58.2	<50	4.51	---	<0.5	1.20	<0.5	<0.5
MW11	06/22/99	---	13.55	---	---	---	---	---	---	---	---	---	---	---
MW11	09/29/99	---	13.55	9.14	4.41	No	---	---	---	---	---	---	---	---
MW11	12/21/99	---	13.55	9.01	4.54	No	---	---	---	---	---	---	---	---
MW11	03/21/00	---	13.55	5.68	7.87	No	---	---	---	---	---	---	---	---
MW11	12/21/00	---	Well destroyed.											
MW12	01/20/94	---	12.61	7.81	4.80	No	---	---	---	---	---	---	---	---
MW12	02/02/94	---	12.61	7.22	5.39	No	18,000	48,000	---	---	4,000	2,700	2,900	9,900
MW12	03/10/94	---	12.61	6.16	6.45	No	---	---	---	---	---	---	---	---
MW12	04/22/94	---	12.61	6.31	6.30	No	---	---	---	---	---	---	---	---
MW12	05/10/94	---	12.61	6.16	6.45	No	---	---	---	---	---	---	---	---
MW12	05/11/94	---	12.61	---	---	---	8,200	46,000	---	---	30,003	1,600	2,900	9,100
MW12	06/27/94	---	12.61	6.55	6.06	No	---	---	---	---	---	---	---	---
MW12	08/31/94	---	12.61	7.97	4.64	No	---	---	---	---	---	---	---	---
MW12	09/29/94	---	12.61	8.52	4.09	Sheen	---	---	---	---	---	---	---	---
MW12	10/25/94	---	12.61	8.74	3.87	Sheen	---	---	---	---	---	---	---	---
MW12	11/30/94	---	12.61	8.73	3.88	---	---	---	---	---	---	---	---	---
MW12	12/30/94	---	12.61	6.17	6.44	No	---	---	---	---	---	---	---	---
MW12	02/06/95	---	12.61	4.44	8.17	Sheen	---	---	---	---	---	---	---	---
MW12	06/07/95	---	12.61	6.59	6.02	Sheen	---	---	---	---	---	---	---	---
MW12	09/18/95	---	12.61	8.96	3.65	Sheen	---	---	---	---	---	---	---	---
MW12	11/01/95	---	12.61	10.75	1.86	Sheen	---	---	---	---	---	---	---	---
MW12	02/14/96	---	12.61	7.73	4.88	Sheen	---	---	---	---	---	---	---	---
MW12	06/19/96	---	12.61	5.80	6.81	Sheen	---	---	---	---	---	---	---	---

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW12	09/24/96	---	12.61	9.14	3.47	Sheen	---	---	---	---	---	---	---	---
MW12	12/11/96	---	12.61	7.31	5.30	Sheen	---	---	---	---	---	---	---	---
MW12	03/19/97	---	12.61	9.96	2.65	Sheen	---	---	---	---	---	---	---	---
MW12	06/04/97	---	12.61	8.81	3.80	Sheen	---	---	---	---	---	---	---	---
MW12	09/02/97	---	12.61	8.93	3.68	Sheen	---	---	---	---	---	---	---	---
MW12	12/02/97	---	12.61	8.41	4.20	No	3,900	45,000	<250	---	1,800	560	3,100	8,700
MW12	03/24/98	---	12.61	5.37	7.24	No	8,800	42,000	<250	---	820	280	2,800	6,800
MW12	06/23/98	---	12.61	8.43	4.18	Sheen	7,800	39,000	560	---	1,000	200	2,300	4,900
MW12	09/29/98	---	12.61	8.94	3.67	Sheen	21,000	40,000	<500	---	1,100	150	2,200	3,100
MW12	12/30/98	---	12.61	8.47	4.14	Sheen	49,000	79,000	<500	---	1,400	400	3,300	8,500
MW12	03/24/99	---	12.61	3.71	8.90	Sheen	5,070	40,600	<20	---	328	182	1,690	3,930
MW12	06/22/99	---	12.61	4.91	7.70	Sheen	15,000	54,800	109	---	203	244	1,530	3,790
MW12	09/29/99	---	12.61	7.41	5.20	No	6,830f	22,900	194	---	422	72.6	1,790	2,270
MW12	12/21/99	---	12.61	7.46	5.15	No	10,000	25,000	<40	---	580	26	1,400	1,360
MW12	03/21/00	---	12.61	3.57	9.04	No	4,400	23,000	860	---	690	33	1,600	3,290
MW12	03/30/01	---	12.61	Well covered by asphalt.										
MW13	01/20/94	---	14.20	9.08	5.12	No	---	---	---	---	---	---	---	---
MW13	02/02/94	---	14.20	8.75	5.45	No	---	---	---	---	---	---	---	---
MW13	02/03/94	---	14.20	---	---	---	8,100	41,000	---	---	3,800	1,500	2,700	9,500
MW13	03/10/94	---	14.20	7.46	6.74	Sheen	---	---	---	---	---	---	---	---
MW13	04/22/94	---	14.20	7.78	6.42	Sheen	---	---	---	---	---	---	---	---
MW13	05/10/94	---	14.20	7.61	6.59	No	---	---	---	---	---	---	---	---
MW13	05/11/94	---	14.20	---	---	---	15,000	39,000	---	---	3,400	930	2,400	8,900
MW13	06/27/94	---	14.20	7.97	6.23	No	---	---	---	---	---	---	---	---
MW13	08/31/94	---	14.20	9.21	4.99	No	---	---	---	---	---	---	---	---
MW13	09/29/94	---	14.20	9.61	4.59	No	320	57,000	---	---	2,100	470	2,600	8,100
MW13	10/25/94	---	14.20	9.93	4.27	Sheen	---	---	---	---	---	---	---	---
MW13	11/30/94	---	14.20	8.16	6.04	---	---	---	---	---	---	---	---	---
MW13	12/27/94	---	14.20	7.61	6.59	---	---	---	---	---	---	---	---	---
MW13	02/06/95	---	14.20	5.89	8.31	Sheen	---	---	---	---	---	---	---	---
MW13	06/07/95	---	14.20	8.05	6.15	Sheen	---	---	---	---	---	---	---	---
MW13	09/18/95	---	14.20	9.94	4.26	Sheen	---	---	---	---	---	---	---	---
MW13	11/01/95	---	14.20	10.48	3.72	Sheen	---	---	---	---	---	---	---	---
MW13	02/14/96	---	14.20	8.88	5.32	Sheen	---	---	---	---	---	---	---	---
MW13	06/19/96	---	14.20	7.22	6.98	Sheen	---	---	---	---	---	---	---	---
MW13	09/24/96	---	14.20	10.27	3.93	Sheen	---	---	---	---	---	---	---	---
MW13	12/11/96	---	14.20	8.77	5.43	Sheen	---	---	---	---	---	---	---	---

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW13	03/19/97	---	14.20	9.46	4.74	Sheen	---	---	---	---	---	---	---	---
MW13	06/04/97	---	14.20	9.59	4.61	Sheen	---	---	---	---	---	---	---	---
MW13	09/02/97	---	14.20	9.68	4.52	Sheen	---	---	---	---	---	---	---	---
MW13	12/02/97	---	14.20	9.16	5.04	No	16,000	14,000	<250	---	210	<50	920	1,000
MW13	03/24/98	---	14.20	6.71	7.49	No	1,700	5,600	55	---	110	6.0	420	330
MW13	06/23/98	---	14.20	8.87	5.33	No	3,800	12,000	200	---	120	<20	300	300
MW13	09/29/98	---	14.20	9.79	4.41	No	2,400	4,900	130	---	130	12.0	410	200
MW13	12/30/98	---	14.20	9.03	5.17	No	2,000	6,700	520	---	100	11	400	250
MW13	03/24/99	---	14.20	4.91	9.29	Sheen	688	3,730	15.5	---	35.9	1.58	150	112
MW13	06/22/99	---	14.20	5.66	8.54	Sheen	4,090	7,220	56.4	---	29.0	<5.0	496	318
MW13	09/29/99	---	14.20	8.62	5.58	No	1,060f	5,200	103	---	83.0	5.90	322	126
MW13	12/21/99	---	14.20	8.59	5.61	No	1,800	4,400	<2	---	52	1.9	340	115
MW13	03/21/00 h	---	14.20	---	---	---	---	---	---	---	---	---	---	---
MW13	12/21/00	---	Well destroyed.											
MW14	01/20/94	---	15.18	---	---	---	---	---	---	---	---	---	---	---
MW14	02/02/94 h	---	15.18	---	---	---	---	---	---	---	---	---	---	---
MW14	03/10/94	---	15.18	7.84	7.34	No	---	---	---	---	---	---	---	---
MW14	04/22/94	---	15.18	8.00	7.18	No	---	---	---	---	---	---	---	---
MW14	05/10/94	---	15.18	7.93	7.25	No	---	---	---	---	---	---	---	---
MW14	05/11/94	---	15.18	---	---	---	11,002	300	---	---	2.7	7.9	2	27
MW14	06/27/94	---	15.18	8.19	6.99	No	---	---	---	---	---	---	---	---
MW14	08/31/94	---	15.18	9.44	5.74	No	---	---	---	---	---	---	---	---
MW14	09/29/94	---	15.18	9.82	5.36	No	---	300	1,600	---	<0.5	<0.5	0.9	1.3
MW14	10/25/94	---	15.18	9.99	5.19	No	---	200	210	---	<0.5	<0.5	0.8	<0.5
MW14	11/30/94	---	15.18	8.16	7.02	---	---	---	---	---	---	---	---	---
MW14	12/27/94	---	15.18	8.15	7.03	Sheen	---	---	---	---	---	---	---	---
MW14	02/06/95	---	15.18	7.18	8.00	No	1,200	360	---	---	<1.0	<1.0	<1.0	<1.0
MW14	06/07/95	---	15.18	7.70	7.48	No	1,100	670	<2.5	---	<0.5	<0.5	3.6	<0.5
MW14	09/18/95	---	15.18	9.88	5.30	No	1,900	1,300	<10	---	<2.0	<2.0	<2.0	3
MW14	11/01/95	---	15.18	10.56	4.62	No	2,700	1,100	<13	---	<2.5	<2.5	3.2	3.1
MW14	02/14/96	---	15.18	9.08	6.10	No	1,500	470	<2.5	---	<0.5	<0.5	1.3	<0.5
MW14	06/19/96	---	15.18	8.50	6.68	No	2,000	610	<12	---	<2.5	<2.5	<2.5	<2.5
MW14	09/24/96	---	15.18	10.23	4.95	No	5,100	1,000	<25	---	<5.0	<5.0	<5.0	<5.0
MW14	12/11/96	---	15.18	9.09	6.09	No	2,100 i	1,100	<10	---	<2.0	<2.0	<2.0	3.3
MW14	03/19/97	---	15.18	7.99	7.19	No	1,400	690	<2.5	---	0.65	1.7	2.5	8.3
MW14	06/04/97	---	15.18	9.30	5.88	No	1,500	730	<2.5	---	<1.2	<1.2	3.5	5.3
MW14	09/02/97	---	15.18	9.92	5.26	No	1,900	910	<5.0	---	<5.0	<5.0	<5.0	5.9

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW14	12/02/97	---	15.18	9.13	6.05	No	1,200	570	<2.5	---	0.85	<0.5	<0.5	1.7
MW14	03/24/98	---	15.18	8.52	6.66	No	1,300	650	5.7	---	1.7	<1.0	<1.0	2.3
MW14	06/23/98	---	15.18	8.69	6.49	No	1,100	470	<2.5	---	<0.5	1.5	1.1	3.0
MW14	09/29/98	---	15.18	9.41	5.77	No	930	570	<2.5	---	<0.50	<0.50	2.5	3.5
MW14	12/30/98	---	15.18	9.31	5.87	No	2,000	420	<2.5	---	<0.5	<0.5	<0.5	2.8
MW14	03/24/99	---	15.18	4.23	10.95	No	936	456	<2.0	---	<0.5	<0.5	0.685	<0.5
MW14	06/22/99	---	15.18	7.24	7.94	No	1,720	403	<2.0	---	<0.5	<0.5	<0.5	<0.5
MW14	09/29/99	---	15.18	9.41	5.77	No	927f	388	<2.5	---	1.31	<0.5	0.864	2.07
MW14	12/21/99	---	15.18	8.93	6.25	No	1,400	420	<2	---	0.61	<0.5	<0.5	6.3
MW14	03/21/00	---	15.18	5.76	9.42	No	---	390	<2	---	1.4	<0.5	0.82	4.5
MW14	03/30/01	---	15.18	4.21	10.97	No	980	330	---	<5	<0.5	<0.5	1.3	3.03
MW14	11/01/01	---	15.14	Well surveyed in compliance with AB 2886 requirements.										
MW14	03/11/02 k	---	15.14	4.87	10.27	No	954	146	1.40	0.6	<0.50	<0.50	0.90	5.70
MW14	03/11/03	---	15.14	6.99	8.15	No	1,020	331	<0.5	---	<0.50	<0.5	<0.5	<0.5
MW14	03/26/04	---	15.14	7.82	7.32	No	586g	235	---	<0.50	1.20	0.8	0.6	1.4
MW14	11/02/04	---	15.14	7.06	8.08	No	1,110g	282	---	<0.50	0.90	<0.5	1.6	7.2
MW14	02/04/05	---	15.14	6.15	8.99	No	2,880g	327	---	<0.50	0.60	<0.5	0.8	1.8
MW14	05/02/05	---	15.14	4.97	10.17	No	2,590g	363	---	<0.50	1.20	0.5	1.4	2.5
MW14	08/01/05	---	15.14	5.31	9.83	No	2,690g	280	---	<0.50	0.90	<0.5	0.9	1.8
MW14	10/25/05	---	15.14	5.16	9.98	No	5,410g	342	---	<0.500	0.82	<0.50	<0.50	1.98
MW14	01/24/06	---	15.14	5.40	9.74	No	440g	290	---	<0.50	1.4	<0.50	1.9	<0.50
MW14	04/28/06	---	15.14	4.06	11.08	No	190g	370	---	<0.50n	1.9n	<0.50	4.2	<0.50
MW14	08/04/06	---	15.14	4.77	10.37	No	1,290	347	---	<0.500	1.14	<0.50	<0.50	0.61
MW14	10/06/06	---	15.14	6.97	8.17	No	160g,j	290	---	<0.50	1.3	1.4	3.7	3.0
MW14	01/12/07	---	15.14	6.86	8.28	No	160g	250	---	<0.50	1.2	<0.50	2.0	<0.50
MW14	04/09/07	---	15.14	8.31	6.83	No	330g	309	---	<0.500	1.01	0.55	0.97	1.17
MW14	08/06/07	---	15.14	7.41	7.73	No	200g	290	---	<0.50	<0.50	<0.50	1.0	<0.50
MW14	11/15/07	---	15.14	7.97	7.17	No	210g	260	---	<0.50	0.66	<0.50	<0.50	1.5
MW14	01/02/08	---	15.14	8.36	6.78	No	250g,j	380	---	<0.50	0.78	<0.50	1.4	3.4
MW14	04/03/08	---	15.14	8.75	6.39	No	970g	400	---	<0.50	2.0	2.8	3.9	2.4
MW14	07/09/08	---	15.14	7.43	7.71	No	1,200g	280	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW14	10/01/08	---	15.14	7.92	7.22	No	95	500	---	<0.50	<0.50	<0.50	1.5	4.4
MW14	01/07/09	---	15.14	6.96	8.18	No	1,100	370	---	<0.50	<0.50	<0.50	1.4	2.2
MW14	01/16/09	---	15.14	7.53	7.61	No	---	---	---	---	---	---	---	---
MW14	04/24/09	---	15.14	5.71	9.43	No	410	500	---	<0.50	<0.50	<0.50	1.2	<1.0
MW14	**07/01/09**	**---**	**15.14**	**6.71**	**8.43**	**No**	**130**	**360**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**
MW15	01/20/94	---	13.73	7.48	6.25	No	---	---	---	---	---	---	---	---

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW15	02/02/94	---	13.73	7.30	6.43	No	---	---	---	---	---	---	---	---
MW15	02/03/94	---	13.73	---	---	---	1,200	4,300	---	---	24	6.7	170	26
MW15	03/10/94	---	13.73	7.32	6.41	No	---	---	---	---	---	---	---	---
MW15	04/22/94	---	13.73	6.67	7.06	No	---	---	---	---	---	---	---	---
MW15	05/10/94	---	13.73	5.81	7.92	No	---	---	---	---	---	---	---	---
MW15	05/11/94	---	13.73	---	---	---	1,400	3,900	---	---	16	<0.5	150	13
MW15	06/27/94	---	13.73	6.14	7.59	No	---	---	---	---	---	---	---	---
MW15	08/31/94	---	13.73	7.20	6.53	No	---	---	---	---	---	---	---	---
MW15	09/29/94	---	13.73	7.76	5.97	No	420	2,500	---	---	51	15	48	3.6
MW15	10/25/94	---	13.73	8.19	5.54	Sheen	---	---	---	---	---	---	---	---
MW15	11/30/94	---	13.73	8.57	5.16	---	---	---	---	---	---	---	---	---
MW15	12/27/94	---	13.73	6.49	7.24	No	---	---	---	---	---	---	---	---
MW15	02/06/95	---	13.73	4.97	8.76	Sheen	---	---	---	---	---	---	---	---
MW15	06/07/95	---	13.73	7.14	6.59	Sheen	---	---	---	---	---	---	---	---
MW15	09/18/95	---	13.73	9.00	4.73	Sheen	---	---	---	---	---	---	---	---
MW15	11/01/95	---	13.73	10.67	3.06	Sheen	---	---	---	---	---	---	---	---
MW15	02/14/96	---	13.73	7.27	6.46	Sheen	---	---	---	---	---	---	---	---
MW15	06/19/96	---	13.73	6.65	7.08	Sheen	---	---	---	---	---	---	---	---
MW15	09/24/96	---	13.73	9.45	4.28	Sheen	---	---	---	---	---	---	---	---
MW15	12/11/96	---	13.73	7.77	5.96	Sheen	---	---	---	---	---	---	---	---
MW15	03/19/97	---	13.73	8.15	5.58	Sheen	---	---	---	---	---	---	---	---
MW15	06/04/97	---	13.73	8.62	5.11	Sheen	---	---	---	---	---	---	---	---
MW15	09/02/97	---	13.73	9.04	4.69	No	480	1,100	23	---	19	<2.0	11	4.9
MW15	12/02/97	---	13.73	8.43	5.30	No	600	1,700	58	---	20	<5.0	11	<5.0
MW15	03/24/98	---	13.73	6.35	7.38	No	450	2,100	<100	---	570	<20	<20	<20
MW15	06/23/98	---	13.73	7.79	5.94	No	570	2,300	<25	---	440	<5.0	30	<5.0
MW15	09/29/98 h	---	13.73	---	---	---	---	---	---	---	---	---	---	---
MW15	12/30/98	---	13.73	8.42	5.31	No	510	900	14	---	6.2	1.5	5.8	3.4
MW15	03/24/99	---	13.73	4.69	9.04	No	346	1,480	12.7	---	181	1.15	29.8	<1.0
MW15	06/22/99	---	13.73	5.42	8.31	No	558	864	6.49	---	12.7	<0.5	3.28	1.38
MW15	09/29/99	---	13.73	7.08	6.65	No	306f	316	<5.0	---	1.44	7.51	1.60	3.21
MW15	12/21/99	---	13.73	7.51	6.22	No	300	1,500	21	---	21	1.6	0.67	5.9
MW15	03/21/00	---	13.73	3.61	10.12	No	220	680	<2	---	10	<0.5	<0.5	4.5
MW15	12/21/00	---	Well destroyed.											

Grab Groundwater Samples

CPT Borings

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
W-18-CPT1	04/12/05	18	---	---	---	---	187g	<50.0	---	1.00	<0.50	<0.5	<0.5	<0.5
W-10-CPT2	04/13/05	10	---	---	---	---	---	1,060,000	---	85.0	1,380	1,280	400	4,340
W-26-CPT2	04/13/05	26	---	---	---	---	283g	240	---	299	<0.50	<0.5	<0.5	<0.5
W-10-CPT3	04/13/05	10	---	---	---	---	76,800	358	---	107	<0.50	<0.5	<0.5	1.1
W-29-CPT3	04/13/05	29	---	---	---	---	450g	1,240	---	1.80	<0.50	<0.5	<0.5	<0.5
W-10-CPT4	04/12/05	10	---	---	---	---	15,700g	10,600	---	129	233	17.0	557	83.0
W-24-CPT4	04/12/05	24	---	---	---	---	377g	171	---	48.3	0.50	<0.5	2.5	2.9
W-10-CPT5	04/12/05	10	---	---	---	---	5,520g	2,200	---	<0.50	13.2	2.5	5.7	2.2
W-10-CPT6	04/11/05	10	---	---	---	---	1,110g	570	---	<0.50	<0.50	<0.5	<0.5	1.0
W-30-CPT6	04/11/05	30	---	---	---	---	---	177	---	<0.50	<0.50	<0.5	<0.5	<0.5
W-30-CPT6	04/11/05	30	---	---	---	---	---	177	---	<0.50	<0.50	<0.5	<0.5	<0.5
W-30-CPT6	04/12/05	30	---	---	---	---	473g	---	---	---	---	---	---	---
W-30-CPT6	04/12/05	30	---	---	---	---	473g	---	---	---	---	---	---	---
Direct-Push Borings														
W-12-DP1	04/14/05	12	---	---	---	---	23,000g	30,000	---	146	1,700	250	770	4,980
W-12-DP3	04/14/05	12	---	---	---	---	11,100g	2,200	---	<0.50	12.6	5.7	2.3	13.8
W-12-DP4	04/14/05	12	---	---	---	---	20,200g	42,400	---	13.4	7,000	260	4,760	1,720
W-12-DP5	04/14/05	12	---	---	---	---	182,000	32,100	---	18.7	2,890	96.0	336	186
W-12-DP6	04/14/05	12	---	---	---	---	338g	<50.0	---	<0.50	<0.50	<0.5	<0.5	<0.5
W-30-DP9	12/15/06	30	---	---	---	---	430g	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
Hydropunch® Borings														

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
W-13-HP7	12/12/06	13	---	---	---	---	570g	<50	---	1.1	11	<0.50	<0.50	<0.50
W-30-HP11	12/13/06	30	---	---	---	---	<50	<50	---	3.9	<0.50	<0.50	<0.50	<0.50
W-13.5-HP12	12/13/06	13.5	---	---	---	---	<62	<50	---	1.6	<0.50	<0.50	<0.50	<0.50
W-31-HP12	12/13/06	31	---	---	---	---	<55	<50	---	17	<0.50	<0.50	<0.50	<0.50

TABLE 2A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Notes:

TOC	=	Top of well casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level. If liquid-phase hydrocarbons present, elevation adjusted using TOC - [DTW - (PT x 0.8)].
NAPL	=	Non-aqueous phase liquid.
[ ]	=	Amount recovered in cups.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 3510/8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
TOG	=	Total oil and grease analyzed using Standard Method 5520.
EHCss	=	Extractable hydrocarbons as Stoddard Solvent analyzed using EPA Method 8015.
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.
µg/L	=	Micrograms per liter.
---	=	Not measured/Not sampled/Not analyzed.
<	=	Less than the stated laboratory reporting limit.
a	=	A peak eluting earlier than benzene, suspected to be MTBE, was present.
b	=	Sample containers broken in transit.
c	=	Chromatogram pattern: unidentified hydrocarbons C6 - C12.
d	=	Chromatogram pattern: weathered gasoline C6 - C12.
e	=	Chromatogram pattern: weathered diesel C9 - C24 and unidentified hydrocarbons C9 - C36.
f	=	Chromatogram pattern: unidentified hydrocarbons C9 - C24.
g	=	TPHd result is not consistent with diesel fuel.
h	=	Well inaccessible.
i	=	TPHd note: Analyst notes samples resemble paint thinner more than Stoddard Solvent.
j	=	Analyte detected in trip blank, method blank, and/or bailer blank; result is suspect.
k	=	Higher reported TPH concentrations in groundwater may be due to different laboratory quantitation procedures.
l	=	Elevated result due to single analyte peak in quantitation range.
m	=	Surrogate recovery above control limits; this may result in a high bias.
n	=	Laboratory QA/QC issue(s); ERI considers the result to be usable. Please refer to laboratory report for details.

TABLE 2B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
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)	EHCss (µg/L)	TOG (µg/L)
MW1	01/20/94 - 06/19/96	---	Not analyzed for these analytes.								
MW1	06/19/96	---	---	---	---	---	---	---	---	<50	---
MW1	06/19/96 - 03/11/03	---	Not analyzed for these analytes.								
MW1	03/26/04	---	<0.50	1.60	<0.50	<10.0	<0.50	<0.50	---	---	---
MW1	11/02/04	---	<0.50	1.80	<0.50	<10.0	<0.50	<0.50	---	---	---
MW1	02/04/05	---	<0.50	1.90	<0.50	<10.0	<0.50	<0.50	---	---	---
MW1	05/02/05	---	<0.50	2.10	<0.50	<10.0	<0.50	<0.50	<100	---	---
MW1	08/01/05	---	<0.50	2.00	<0.50	<10.0	<0.50	<0.50	<100	---	---
MW1	10/25/05	---	<0.500	1.61	<0.500	22.6	<0.500	<0.500	---	---	---
MW1	01/24/06	---	<2.5	<2.5	<2.5	<100	<2.5	<2.5	<500	---	---
MW1	04/28/06	---	<0.50	1.6	<0.50	5.0n	<0.50	<0.50	---	---	---
MW1	08/04/06	---	<0.500	1.63	<0.500	<10.0	<0.500	<0.500	---	---	---
MW1	10/06/06	---	<0.50	2.3	<0.50	<5.0	<0.50	<0.50	---	---	---
MW1	01/12/07 h	---	---	---	---	---	---	---	---	---	---
MW1	03/26/07	---	Well destroyed.								
MW2	01/20/94 - 03/27/04	---	Not analyzed for these analytes.								
MW2	03/27/04	---	<0.50	<0.50	2.90	<10.0	<0.50	<0.50	---	---	---
MW2	11/02/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
MW2	02/04/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
MW2	05/02/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100	---	---
MW2	08/01/05	---	<0.50	2.00	<0.50	<10.0	<0.50	<0.50	<100	---	---
MW2	10/25/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---	---	---
MW2	01/24/06	---	<0.50	<0.50	<0.50	20	<0.50	<0.50	<100	---	---
MW2	04/28/06	---	<0.50	<0.50	<0.50	<5.0n	<0.50	<0.50	<100	---	---
MW2	08/04/06	---	<0.500	1.34	<0.500	<10.0	<0.500	<0.500	<50.0	---	---
MW2	10/06/06	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<100	---	---
MW2	01/12/07	---	<0.50	<0.50	<0.50	23	<0.50	<0.50	<100	---	---
MW2	04/09/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0	---	---
MW2	08/06/07	---	<0.50	<0.50	<0.50	14	<0.50	1.3	<100	---	---
MW2	11/15/07	---	<0.50	<0.50	<0.50	17	<0.50	1.1	<100	---	---
MW2	01/02/08	---	<0.50	<0.50	0.85	36	<0.50	<0.50	<100	---	---
MW2	04/03/08	---	<0.50	<0.50	<0.50	24	<0.50	<0.50	<100	---	---
MW2	07/09/08	---	<0.50	<0.50	<0.50	<10	<0.50	1.2	<100	---	---
MW2	10/01/08	---	Well covered by asphalt.								
MW2	01/07/09	---	Well covered by asphalt.								
MW2	01/16/09	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<500	---	---
MW2	04/24/09	---	<0.50	<0.50	<0.50	15	<0.50	<0.50	<50	---	---

TABLE 2B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
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)	EHCss (µg/L)	TOG (µg/L)
MW2	**07/01/09**	**---**	**<0.50**	**<0.50**	**<0.50**	**11**	**<0.50**	**<0.50**	**<50**	**---**	**---**
MW3	01/20/94 - 03/26/04	---	Not analyzed for these analytes.								
MW3	03/26/04	---	<0.50	<0.50	2.60	<10.0	<0.50	0.60	---	---	---
MW3	11/02/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	1.60	---	---	---
MW3	02/04/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
MW3	05/02/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100	---	---
MW3	08/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100	---	---
MW3	10/25/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---	---	---
MW3	01/24/06	---	<1.0	<1.0	<1.0	<40	<1.0	<1.0	<200	---	---
MW3	04/28/06	---	<0.50	<0.50	<0.50	7.8n	<0.50	<0.50	---	---	---
MW3	08/04/06	---	<0.500	1.45	<0.500	<10.0	<0.500	<0.500	---	---	---
MW3	10/06/06	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---
MW3	01/12/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	---	---
MW3	04/09/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---	---	---
MW3	08/06/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW3	11/15/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	---	---
MW3	01/02/08	---	<0.50	<0.50	<0.50	12	<0.50	<0.50	---	---	---
MW3	04/03/08	---	<0.50	<0.50	<0.50	23	<0.50	<0.50	---	---	---
MW3	07/09/08	---	<0.50	<0.50	<0.50	10	<0.50	<0.50	---	---	---
MW3	10/01/08	---	<0.50	<0.50	<0.50	9.7	<0.50	<0.50	<50	---	---
MW3	01/07/09	---	<0.50	<0.50	<0.50	10	<0.50	<0.50	<50	---	---
MW3	01/16/09	---	---	---	---	---	---	---	---	---	---
MW3	04/24/09	---	<0.50	<0.50	<0.50	16	<0.50	0.52	<50	---	---
MW3	**07/01/09**	**---**	**<0.50**	**<0.50**	**<0.50**	**9.7**	**<0.50**	**<0.50**	**<50**	**---**	**---**
MW4	01/20/94 - 03/26/04	---	Not analyzed for these analytes.								
MW4	03/30/01	---	Well covered by asphalt.								
MW5	07/18/89	---	Well destroyed.								
MW6	01/20/94 - 03/26/04	---	Not analyzed for these analytes.								
MW6	03/26/04	---	<0.50	34.0	<0.50	11.7	<0.50	<0.50	---	---	---
MW6	11/02/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
MW6	02/04/05	---	<0.50	<0.50	<0.50	54.3	<0.50	<0.50	---	---	---
MW6	05/02/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100	---	---
MW6	08/01/05	---	<0.50	15.3	<0.50	29.2	<0.50	<0.50	<100	---	---
MW6	10/25/05	---	<0.500	<0.500	<0.500	20.6	<0.500	<0.500	---	---	---
MW6	01/24/06	---	<5.0	<5.0	<5.0	<200	<5.0	<5.0	<1,000	---	---

TABLE 2B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
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)	EHCss (µg/L)	TOG (µg/L)
MW6	04/28/06	---	<0.50	<0.50	12	41n	<0.50	<0.50	<100	---	---
MW6	08/04/06	---	0.940	8.28	<0.500	<10.0	<0.500	<0.500	<50.0	---	---
MW6	10/06/06	---	<0.50	<0.50	<0.50	14	<0.50	<0.50	<100	---	---
MW6	01/12/07	---	<0.50	<0.50	<0.50	11	<0.50	<0.50	<100	---	---
MW6	04/09/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0	---	---
MW6	08/06/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW6	11/15/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW6	01/02/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW6	04/03/08	---	<0.50	<0.50	<0.50	11	<0.50	<0.50	<100	---	---
MW6	07/09/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW6	10/01/08	---	Well covered by asphalt.								
MW6	01/07/09	---	Well covered by asphalt.								
MW6	01/16/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW6	04/24/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW6	**07/01/09**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<50**	**---**	**---**
MW7	01/20/94	---	---	---	---	---	---	---	---	---	---
MW7	02/03/94	---	---	---	---	---	---	---	---	---	470
MW7	03/10/94	---	---	---	---	---	---	---	---	---	---
MW7	04/22/94	---	---	---	---	---	---	---	---	---	---
MW7	05/10/94 - 05/11/94	---	---	---	---	---	---	---	---	---	1,400
MW7	11/30/94	---	---	---	---	---	---	---	---	---	---
MW7	12/27/94	---	---	---	---	---	---	---	---	---	---
MW7	02/06/95	---	---	---	---	---	---	---	---	1,100	---
MW7	06/07/95	---	---	---	---	---	---	---	---	1,000	---
MW7	09/18/95	---	---	---	---	---	---	---	---	870	---
MW7	11/01/95	---	---	---	---	---	---	---	---	1,400	---
MW7	02/14/96	---	---	---	---	---	---	---	---	940	---
MW7	06/19/96	---	---	---	---	---	---	---	---	1,000	---
MW7	09/24/96	---	---	---	---	---	---	---	---	910	---
MW7	12/11/96	---	---	---	---	---	---	---	---	1,100	---
MW7	03/19/97	---	---	---	---	---	---	---	---	580	---
MW7	06/04/97	---	---	---	---	---	---	---	---	780	---
MW7	09/02/97	---	---	---	---	---	---	---	---	740	---
MW7	12/21/00	---	Well destroyed.								
MW8	01/20/94 - 03/21/00	---	Not analyzed for these analytes.								
MW8	12/21/00	---	Well destroyed.								

TABLE 2B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
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)	EHCss (µg/L)	TOG (µg/L)
MW9	01/20/94 - 06/19/96	---	Not analyzed for these analytes.								
MW9	06/19/96	---	---	---	---	---	---	---	---	<50	---
MW9	09/24/96 - 12/21/00	---	Not analyzed for these analytes.								
MW9	12/21/00	---	Well destroyed.								
MW10	01/20/94 - 06/19/96	---	Not analyzed for these analytes.								
MW10	06/19/96	---	---	---	---	---	---	---	---	<50	---
MW10	09/24/96 - 12/21/00	---	Not analyzed for these analytes.								
MW10	12/21/00	---	Well destroyed.								
MW11	01/20/94 - 06/19/96	---	Not analyzed for these analytes.								
MW11	06/19/96	---	---	---	---	---	---	---	---	<50	---
MW11	09/24/96 - 12/21/00	---	Not analyzed for these analytes.								
MW11	12/21/00	---	Well destroyed.								
MW12	01/20/94 - 11/02/04	---	Not analyzed for these analytes.								
MW12	03/30/01	---	Well covered by asphalt.								
MW13	01/20/94 - 12/21/00	---	Not analyzed for these analytes.								
MW13	12/21/00	---	Well destroyed.								
MW14	01/20/94 - 02/06/95	---	Not analyzed for these analytes.								
MW14	02/06/95	---	---	---	---	---	---	---	---	---	400
MW14	06/07/95	---	---	---	---	---	---	---	---	450	---
MW14	09/18/95	---	---	---	---	---	---	---	---	1,200	---
MW14	11/01/95	---	---	---	---	---	---	---	---	1,600	---
MW14	02/14/96	---	---	---	---	---	---	---	---	680	---
MW14	06/19/96	---	---	---	---	---	---	---	---	670	---
MW14	09/24/96	---	---	---	---	---	---	---	---	4,500	---
MW14	12/11/96	---	---	---	---	---	---	---	---	750	---
MW14	03/19/97	---	---	---	---	---	---	---	---	470	---
MW14	06/04/97	---	---	---	---	---	---	---	---	590	---
MW14	09/02/97	---	---	---	---	---	---	---	---	1,300	---
MW14	09/02/97 - 03/26/04	---	Not analyzed for these analytes.								
MW14	03/26/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
MW14	11/02/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
MW14	02/04/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
MW14	05/02/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100	---	---
MW14	08/01/05	---	<0.50	1.90	<0.50	<10.0	<0.50	<0.50	<100	---	---

TABLE 2B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
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)	EHCss (µg/L)	TOG (µg/L)
MW14	10/25/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---	---	---
MW14	01/24/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100	---	---
MW14	04/28/06	---	<0.50	<0.50	<0.50	<20n	<0.50	<0.50	<100	---	---
MW14	08/04/06	---	<0.500	1.39	<0.500	<10.0	<0.500	<0.500	<50.0	---	---
MW14	10/06/06	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<100	---	---
MW14	01/12/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW14	04/09/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0	---	---
MW14	08/06/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW14	11/15/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW14	01/02/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW14	04/03/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW14	07/09/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW14	10/01/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW14	01/07/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW14	01/16/09	---	---	---	---	---	---	---	---	---	---
MW14	04/24/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW14	**07/01/09**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<50**	**---**	**---**
MW15	01/20/94 - 12/21/00	---	Not analyzed for these analytes.								
MW15	12/21/00	---	Well destroyed.								
Grab Groundwater Samples											
CPT Borings											
W-18-CPT1	04/12/05	18	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
W-10-CPT2	04/13/05	10	<5.00	<5.00	<5.00	<100	<5.00	18.0	---	---	---
W-26-CPT2	04/13/05	26	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
W-10-CPT3	04/13/05	10	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
W-29-CPT3	04/13/05	29	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
W-10-CPT4	04/12/05	10	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
W-24-CPT4	04/12/05	24	<0.50	7.60	<0.50	<10.0	<0.50	<0.50	---	---	---
W-10-CPT5	04/12/05	10	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
W-10-CPT6	04/11/05	10	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
W-30-CPT6	04/11/05	30	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---

TABLE 2B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
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)	EHCss (µg/L)	TOG (µg/L)
W-30-CPT6	04/11/05	30	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
W-30-CPT6	04/12/05	30	---	---	---	---	---	---	---	---	---
W-30-CPT6	04/12/05	30	---	---	---	---	---	---	---	---	---
Direct-Push Borings											
W-12-DP1	04/14/05	12	<0.50	<0.50	4.80	138	<0.50	<0.50	---	---	---
W-12-DP3	04/14/05	12	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
W-12-DP4	04/14/05	12	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
W-12-DP5	04/14/05	12	<0.50	<0.50	<0.50	<10.0	<0.50	0.60	---	---	---
W-12-DP6	04/14/05	12	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
W-30-DP9	12/15/06	30	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100	---	---
Hydropunch® Borings											
W-13-HP7	12/12/06	13	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<100	---	---
W-30-HP11	12/13/06	30	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100	---	---
W-13.5-HP12	12/13/06	13.5	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100	---	---
W-31-HP12	12/13/06	31	<0.50	1.3	<0.50	<20	<0.50	<0.50	<100	---	---

TABLE 2B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 73006
720 High Street
Oakland, California

Notes:

TOC	=	Top of well casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level. If liquid-phase hydrocarbons present, elevation adjusted using TOC - [DTW - (PT x 0.8)].
NAPL	=	Non-aqueous phase liquid.
[ ]	=	Amount recovered in cups.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 3510/8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
TOG	=	Total oil and grease analyzed using Standard Method 5520.
EHCss	=	Extractable hydrocarbons as Stoddard Solvent analyzed using EPA Method 8015.
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.
µg/L	=	Micrograms per liter.
---	=	Not measured/Not sampled/Not analyzed.
<	=	Less than the stated laboratory reporting limit.
a	=	A peak eluting earlier than benzene, suspected to be MTBE, was present.
b	=	Sample containers broken in transit.
c	=	Chromatogram pattern: unidentified hydrocarbons C6 - C12.
d	=	Chromatogram pattern: weathered gasoline C6 - C12.
e	=	Chromatogram pattern: weathered diesel C9 - C24 and unidentified hydrocarbons C9 - C36.
f	=	Chromatogram pattern: unidentified hydrocarbons C9 - C24.
g	=	TPHd result is not consistent with diesel fuel.
h	=	Well inaccessible.
i	=	TPHd note: Analyst notes samples resemble paint thinner more than Stoddard Solvent.
j	=	Analyte detected in trip blank, method blank, and/or bailer blank; result is suspect.
k	=	Higher reported TPH concentrations in groundwater may be due to different laboratory quantitation procedures.
l	=	Elevated result due to single analyte peak in quantitation range.
m	=	Surrogate recovery above control limits; this may result in a high bias.
n	=	Laboratory QA/QC issue(s); ERI considers the result to be usable. Please refer to laboratory report for details.

TABLE 3
WELL CONSTRUCTION DETAILS
Former Exxon Service Station 73006
720 High Street
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
MW1	Well destroyed on 3/26/07.										
MW2	09/10/87	13.06	NS	36.0	35.0	4	NS	10.0-35.0	NS	8-36	NS
MW3	09/10/87	13.71	NS	36.0	35.0	4	NS	10.0-35.0	NS	8-36	NS
MW4	09/10/87	12.77	NS	36.0	35.0	4	NS	10.0-35.0	NS	8-36	NS
MW5	Well destroyed on 07/18/89.										
MW6	09/10/87	14.23	NS	36.0	35.0	4	NS	10.0-35.0	NS	8-36	NS
MW7	Well destroyed on 12/21/00.										
MW8	Well destroyed on 12/21/00.										
MW9	Well destroyed on 12/21/00.										
MW10	Well destroyed on 12/21/00.										
MW11	Well destroyed on 12/21/00.										
MW12	11/27/89	12.61	10	15.5	15.5	4	PVC	5.0-15.0	0.010	4-15.5	NS
MW13	Well destroyed on 12/21/00.										
MW14	10/31/90	15.14	10	18.5	17.0	4	PVC	7.0-17.0	0.010	5.5-17	NS
MW15	Well destroyed on 12/21/00.										
MW16A	08/24/09	13.02	8	14	12.5	2	PVC	7.5-12.5	0.020	6.5-14	#3 Sand
MW16B	08/24/09	13.19	8	24	24	2	PVC	20-24	0.020	18-24	#3 Sand
MW17A	08/25/09	13.99	8	13	13	2	PVC	8-13	0.020	6.5-13	#3 Sand
MW17B	08/25/09	13.92	8	26	26	2	PVC	22-26	0.020	20-26	#3 Sand
MW18A	08/25/09	13.55	8	14	14	2	PVC	9-14	0.020	7-14	#3 Sand
MW18B	08/25/09	13.21	8	31	31	2	PVC	26-31	0.020	24-31	#3 Sand

TABLE 3
WELL CONSTRUCTION DETAILS
Former Exxon Service Station 73006
720 High Street
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
MW19A	08/26/09	15.05	8	14	14	2	PVC	9-14	0.020	7-14	#3 Sand
MW19B	08/26/09	15.05	8	26	24	2	PVC	20-24	0.020	18-26	#3 Sand
VW1	Well destroyed.										
VW2	Well destroyed.										
VW3	Well destroyed.										
AS1	Information not available.										
AS2	Information not available.										
AS3	Information not available.										
AS4	Information not available.										
AS5	Information not available.										
AS6	Information not available.										
RW1	April 1994	NS	NS	16.88	NS	6	NS	---	NS	NS	NS
RW2	April 1994	NS	NS	16.82	NS	6	NS	---	NS	NS	NS
RW3	April 1994	NS	NS	16.72	NS	6	NS	---	NS	NS	NS
RW4	April 1994	NS	NS	17.18	NS	6	NS	---	NS	NS	NS
RW5	Well destroyed.										
RW6	Well destroyed.										
RW7	Well destroyed.										

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

APPENDIX A

CORRESPONDENCE

2010

Paula Sime

From: Jakub, Barbara, Env. Health [barbara.jakub@acgov.org]
Sent: Tuesday, March 03, 2009 4:29 PM
To: 'jennifer.c.sedlachek@exxonmobil.com'; 'mashpetroleum@yahoo.com'
Cc: 'Mansour Sepehr'; Paula Sime
Subject: FW: 720 High Street, RO0000491

Dear Ms. Sedlachek and Mr. Mashoon,
As per my recent discussion with ExxonMobil's consultant. ExxonMobil is the lead at this site and is responsible for directing all investigation and remediation of the 720 High Street site. As such, they will prepare the work plan and install the replacement wells that I formerly requested Mr. Mashoon to install. Mr. Mashoon is not responsible for replacing these two wells since the previous owner covered these wells and he has located and uncovered the two wells that he paved over.
In addition, ExxonMobil recommended installing additional wells in the January 26, 2007 *Soil and Groundwater Investigation Report with Updated Conceptual Model and Monitoring Well Replacement Recommendations* that was prepared by ERI. At this time Alameda County Environmental Health requests that Exxon Mobil prepare a work plan to install an appropriate monitoring well network for the site. Please submit the work plan by April 30, 2009.
Sincerely,

Barbara Jakub, P.G.
Alameda County Environmental Health
(510) 639-1287 (direct)
(510) 337-9335 (fax)
barbara.jakub@acgov.org

Online case files are available at the website below
http://www.acgov.org/aceh/index.htm

From: Jakub, Barbara, Env. Health [mailto:barbara.jakub@acgov.org]
Sent: Monday, February 09, 2009 11:06 AM
To: 'Mansour Sepehr'
Cc: Paula Sime; 'jennifer.c.sedlachek@exxonmobil.com'
Subject: RE: 720 High Street, RO0000491

Mansour,
Paula Sime at ERI has already submitted a report detailing ERI's efforts to locate the 4 wells that were paved over. Two of the wells were uncovered and two could not be located. ERI is obtaining some information on the locations of wells MW-4 and MW-12 from the surveyor who initially surveyed these wells. Please coordinate with ERI (ExxonMobil's consultant) to try to locate these wells. Also, if the wells cannot be located, please coordinate with ERI, to submit a work plan for reinstalling depth discrete monitoring wells at the site. The well screen for MW-4 is 25 feet long. ACEH no longer approves installation of well screens longer than 4 feet with a maximum sand pack of 5 feet. Since ExxonMobil is the lead on this project, we recommend that ERI submit the requested work plan.
Sincerely,

Barbara Jakub, P.G.

Alameda County Environmental Health
(510) 639-1287 (direct)
(510) 337-9335 (fax)
barbara.jakub@acgov.org

Online case files are available at the website below
http://www.acgov.org/aceh/index.htm

From: Mansour Sepehr [mailto:msepehr@somaenv.com]
Sent: Saturday, February 07, 2009 11:23 AM
To: Jakub, Barbara, Env. Health
Subject: 720 High Street, RO0000491

Dear Barbara:

Per Alameda County Environmental Health Service letter dated December 8, 2008, the current site owner Mr. Mo Mashhoon has retained SOMA Environmental to reinstall wells MW-4 and MW-12 at the site. These wells were accidently covered by asphalt in 2001, and due to extensive site remodeling activities it is suspected that these wells have been destroyed and cannot be located . As such, SOMA requests a 60-day extension for proper re-installation of these wells. If the request is granted, the well re-installation report will be forwarded to you no later than March 29, 2009.

Regards

Mansour Sepehr, Ph.D., PE
Principal
SOMA Environmental

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

June 25, 2009
Jennifer Sedlachek
Exxon Mobil
4096 Piedmont Avenue #194
Piedmont, CA 94611

Victor and Lye Chu
3915 Forest Hill Ave.
Oakland, CA 94602

Mohammed Mashoon
Mash Petroleum
428 13th Street, 10th Floor
Oakland, CA 94612

Subject: Fuel Leak Case No. RO0000491, EXXON #7-3006, 720 High Street, Oakland, CA 94601; Additional Responsible Party

Dear Ms. Sedlachek and Messrs. Mashoon and Chu:

Alameda County Environmental Health (ACEH) staff has reviewed the document entitled, *Work Plan for Well Installation*, dated April 27, 2009. The work plan proposes reinstalling the two wells that were previously paved over and could not be located with four well pairs that are installed in separate borings.

ACEH generally concurs with the proposed scope of work and requests that you address the following technical comments, perform the proposed scope of work, and send us the technical reports requested below. The proposed scope of work may be implemented. Please provide advance written notification to this office by e-mail (barbara.jakub@acgov.org) 72 hours prior to the start of field activities.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Barbara Jakub), according to the following schedule:

- **October 26, 2009** –Soil and Water Investigation Report

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

ELECTRONIC SUBMITTAL OF REPORTS

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

If you have any questions, please call me at (510) 639-1287 or send me an electronic mail message at barbara.jakub@acgov.org.

Sincerely,

Barbara Jakub, P.G.
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Paula Sime, Environmental Resolutions, Inc., 601 North McDowell Blvd.Petaluma, CA 94954
Mansour Sepehr, Ph.D., P.E., SOMA Environmental Engineering, Incorporated, 6620 Owens Drive, Suite A, Pleasanton, California 94588
Donna Drogos, ACEH, (via electronic mail)
Barbara Jakub, ACEH
File

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

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

REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection.** (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must** be included and have either original or electronic signature.
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

Submission Instructions

1) Obtain User Name and Password:
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to dehloptoxic@acgov.org
      Or
      ii) Send a fax on company letterhead to (510) 337-9335, to the attention of My Le Huynh.
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for.**

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape and Firefox browsers will not open the FTP site.
   b) Click on File, then on Login As.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

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

Paula Sime

From: Jakub, Barbara, Env. Health [barbara.jakub@acgov.org]
Sent: Monday, July 20, 2009 11:22 AM
To: Jim Chappell
Cc: Rebekah Westrup; Heidi Dieffenbach-Carle; Paula Sime; Janice Jacobson; jennifer.c.sedlachek@exxonmobil.com
Subject: RE: 720 high street, Oakland, CA, well relocation

Your request to move the wells onto the property is approved.

From: Jim Chappell [mailto:jchappell@ERI-US.com]
Sent: Friday, July 17, 2009 3:48 PM
To: Jakub, Barbara, Env. Health
Cc: Rebekah Westrup; Heidi Dieffenbach-Carle; Paula Sime; Janice Jacobson; jennifer.c.sedlachek@exxonmobil.com
Subject: 720 high street, Oakland, CA, well relocation

Barbara,

ERI has relocated proposed wells MW18A and MW18B.
The reason for relocating the wells is that the original proposed locations are in the City of Oakland Right-of-Way and would require an encroachment permit.

The purpose of the proposed wells is to replace monitoring well MW4 which was paved over.

ERI feels that the new location should serve the purpose.

Please review the locations and approve.

James Chappell
Program Manager
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954
jchappell@eri-us.com
www.eri-us.com
707-766-2090-Office
707-338-6991-Cell
707-789-0414-Fax

From: Rebekah Westrup
Sent: Friday, July 17, 2009 9:19 AM
To: Jim Chappell
Subject: 2010 Wells MW18A/B

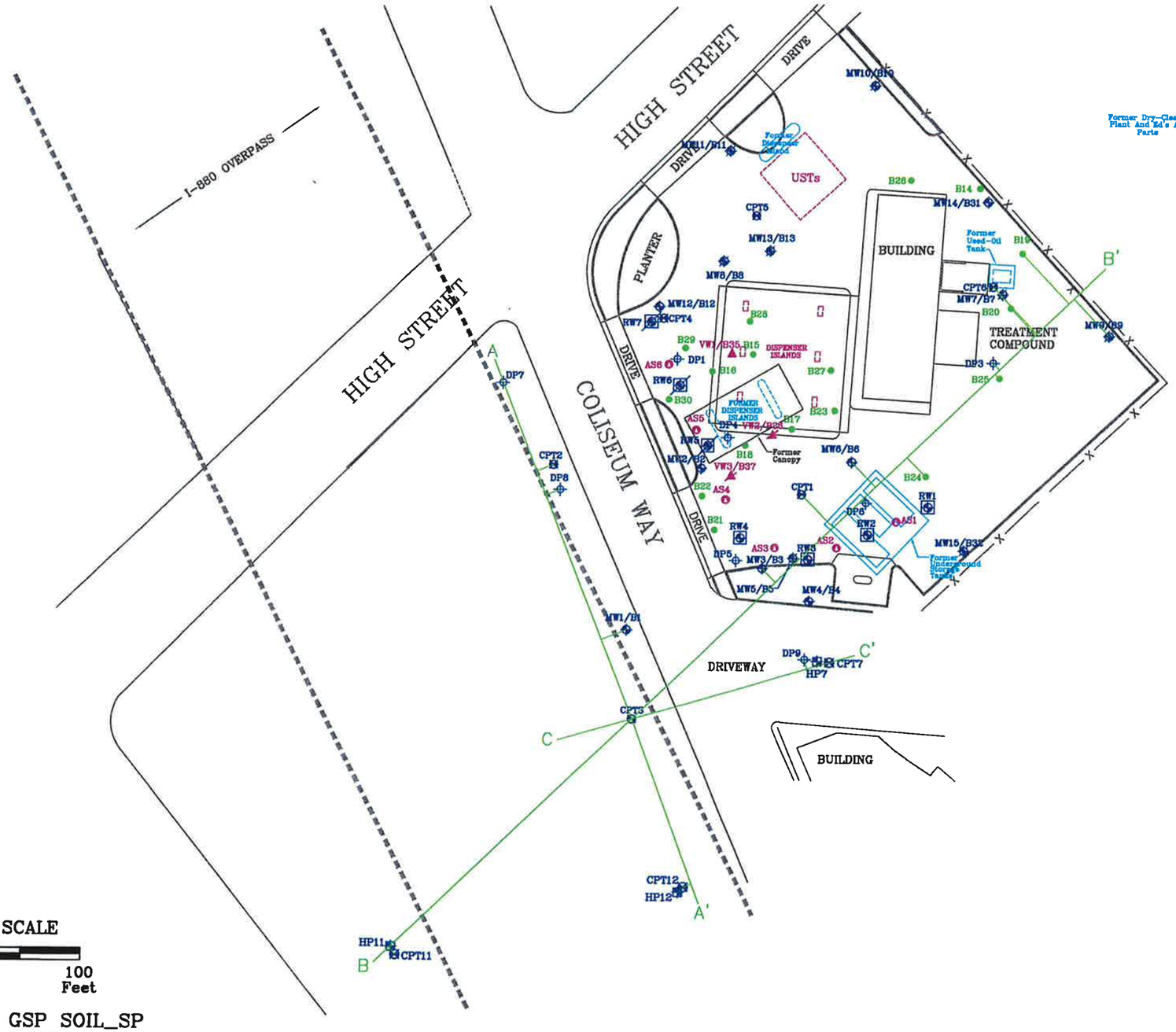
Jim:

I have attached the plate showing the proposed locations for wells MW18A and MW18B as submitted to Alameda County, and a copy of the County and Assessors notes regarding the parcel. Per the County and the City this area is City right of way and would required a Minor Encroachment Permit. I have also attached a copy of a map showing the alternative locations for MW18A and MW18B (revised).

Rebekah A. Westrup
Senior Staff Geologist
Environmental Resolutions, Inc.
601 N. McDowell Blvd
Petaluma, CA 94954
rwestrup@eri-us.com
www.eri-us.com
707-766-2000-Office
707-338-8555-Direct
707-789-0414-Fax

APPENDIX B

HISTORIC CROSS SECTIONS



APPROXIMATE SCALE

0 50 100 Feet

FN 2010 08 R30 GSP SOIL_SP

C C' Cross Section Locations

VALUE, QUALITY, RESPONSE

CROSS SECTION LOCATIONS

FORMER
EXXON SERVICE STATION 73006
720 High Street
Oakland, California

EXPLANATION

- MW14 Groundwater Monitoring Well
- B30 Soil Boring/Soil Sample
- AS6 Air Sparge Well
- RW4 Recovery Well
- DP9 Direct Push Boring
- CPT12 Cone Penetrometer Test Boring
- HP12 Hydropunch Boring
- VW1/B35 Soil Vapor Extraction Well
- RW7 Destroyed Recovery Well
- MW15 Destroyed Groundwater Monitoring Well
- VW3/B37 Soil Vapor Extraction Well

PROJECT NO. 2010

APPENDIX B

Analyte Concenterations in mg/kg

12/15/06	Sample Date
9.5 FT.	Sample Depth
2,000a	Total Petroleum Hydrocarbons as diesel
61	Total Petroleum Hydrocarbons as gasoline
---	Benzene

FT. Feet

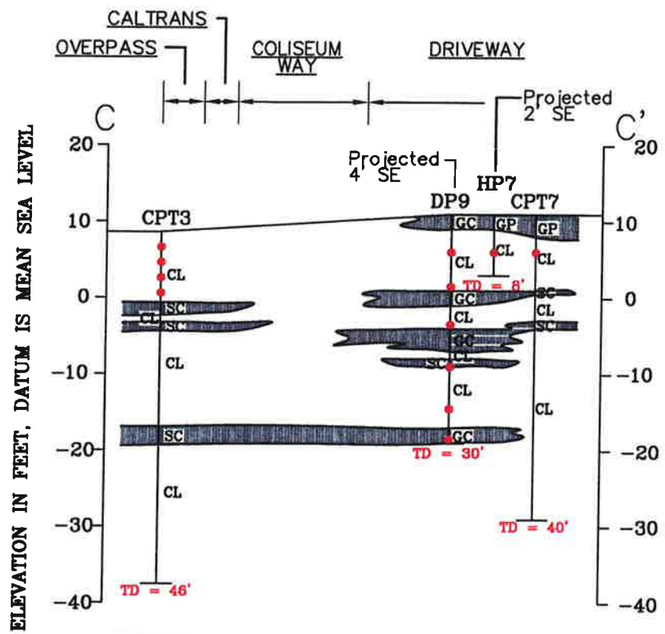
< Less Than the Stated Laboratory Reporting Limit

mg/kg Milligrams per kilogram

a TPHd result is not consistent with diesel fuel.

WEST–SOUTHWEST

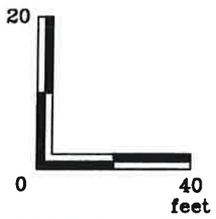
EAST–NORTHEAST



CPT3
4/7/05
2 FT.
402
4 FT.
73.2
6 FT.
177
8 FT.
33.0

DP9
12/11/06
5 FT.
465a
0.00773
12/15/06
9.5 FT.
2,000a
61
14.5 FT.
10a
0.21
20 FT.
5.7a
25.5 FT.
15a
29.5 FT.
4.1a

HP7
12/11/06
5 FT.
102a



Vertical Exaggeration x2

FN 2010 08 R30 XS C–C' SOIL

ERI

VALUE, QUALITY, RESPONSE

CROSS SECTION C–C'
VERTICAL LIMITS OF RESIDUAL HYDROCARBONS IN SOIL
FORMER
EXXON SERVICE STATION 73006
720 High Street
Oakland, California

EXPLANATION

Coarse–grained sediments (including SC, SM, and GC. Also includes select layers, desingated silt on the CPT logs, interpreted to be coarser water–bearing sidiments based on the presence of groundwater and stratigrafic correlation with sand layers in the DP borings.)

Fine–grained sediments (Including, CL, CH, and ML.)

TD = Total Depth

• Sample Depth

PROJECT NO. 2010

APPENDIX B

Analyte Concenterations in mg/kg

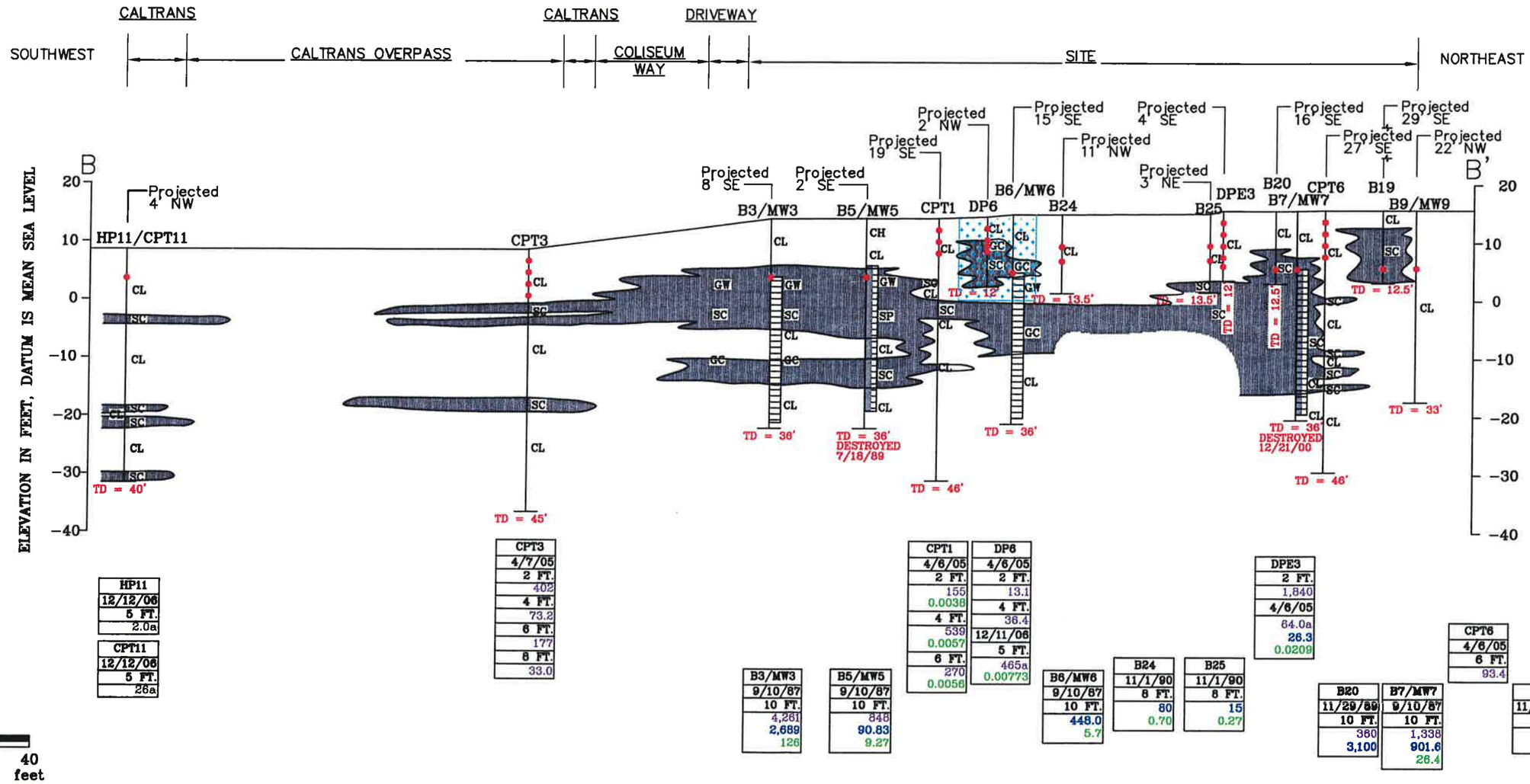
9/10/87	Sample Date
10 FT.	Sample Depth
4,261	Total Petroleum Hydrocarbons as diesel
2,689	Total Petroleum Hydrocarbons as gasoline
126	Benzene

FT. Feet

< Less Than the Stated Laboratory Reporting Limit

mg/kg Milligrams per kilogram

a TPHd result is not consistent with diesel fuel.



HP11
12/12/06
5 FT.
2.0a

CPT11
12/12/06
5 FT.
26a

CPT3
4/7/05
2 FT.
402
4 FT.
73.2
6 FT.
177
8 FT.
33.0

B3/MW3
9/10/87
10 FT.
4,261
2,689
126

B5/MW5
9/10/87
10 FT.
848
90.83
9.27

CPT1
4/6/05
2 FT.
155
0.0038
4 FT.
539
0.0057
6 FT.
270
0.0056

DP6
4/6/05
2 FT.
13.1
4 FT.
36.4
12/11/06
5 FT.
465a
0.00773

B6/MW6
9/10/87
10 FT.
448.0
5.7

B24
11/1/90
8 FT.
80
0.70

B25
11/1/90
8 FT.
15
0.27

DPE3
2 FT.
1,840
4/6/05
64.0a
26.3
0.0209

B20
11/29/89
10 FT.
360
3,100

B7/MW7
9/10/87
10 FT.
1,338
901.6
26.4

CPT6
4/6/05
6 FT.
93.4

B19
11/29/89
10 FT.
21
21

20
0
40
feet

Vertical Exaggeration x2

FN 2010 08 R30 XS B-B' Soil

VALUE, QUALITY, RESPONSE

CROSS SECTION B-B'
VERTICAL LIMITS OF RESIDUAL HYDROCARBONS IN SOIL
FORMER EXXON SERVICE STATION 73006
720 High Street
Oakland, California

EXPLANATION

Coarse-grained sediments (including SC, SM, and GC. Also includes select layers, desingated silt on the CPT logs, interpreted to be coarser water-bearing sidiments based on the presence of groundwater and stratigrafic correlation with sand layers in the DP borings.)

Fine-grained sediments (including, CL, CH, and ML.)

Former UST Basin

TD = Total Depth

● Sample Depth

PROJECT NO. 2010

APPENDIX B

Analyte Concenterations in mg/kg

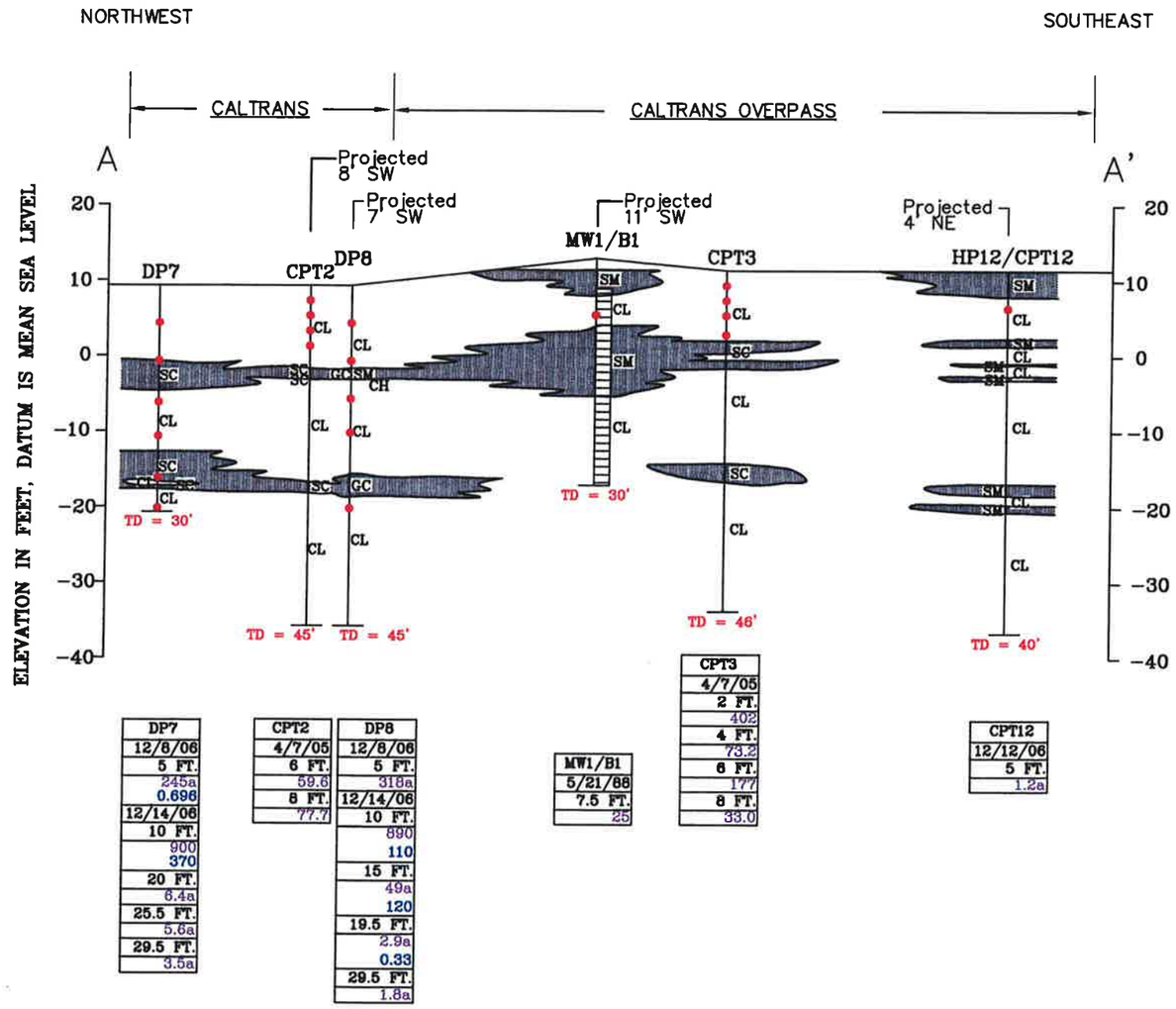
12/14/06	Sample Date
10 FT.	Sample Depth
900	Total Petrpleum Hydrocarbons as diesel
370	Total Petroleum Hydrocarbons as gasoline

FT. Feet

< Less Than the Stated Laboratory Reporting Limit

mg/kg Milligrams per kilogram

a TPHd result is not consistent with diesel fuel.



DP7
12/8/06
5 FT.
245a
0.696
12/14/06
10 FT.
900
370
20 FT.
6.4a
25.5 FT.
5.6a
29.5 FT.
3.5a

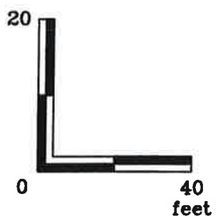
CPT2
4/7/05
6 FT.
59.6
8 FT.
77.7

DP8
12/8/06
5 FT.
318a
12/14/06
10 FT.
890
110
15 FT.
49a
120
19.5 FT.
2.9a
0.33
29.5 FT.
1.8a

MW1/B1
5/21/88
7.5 FT.
25

CPT3
4/7/05
2 FT.
402
4 FT.
73.2
6 FT.
177
8 FT.
33.0

CPT12
12/12/06
5 FT.
1.2a



Vertical Exaggeration x2

FN 2010 08 R30 XS A-A' SOIL

VALUE, QUALITY, RESPONSE

CROSS SECTION A-A'
VERTICAL LIMITS OF RESIDUAL HYDROCARBONS IN SOIL
FORMER
EXXON SERVICE STATION 7-3006
720 High Street
Oakland, California

EXPLANATION

Coarse-grained sediments (including SC, SM, and GC. Also includes select layers, desingated silt on the CPT logs, interpreted to be coarser water-bearing sidiments based on the presence of groundwater and stratigrafic correlation with sand layers in the DP borings.)

Fine-grained sediments (including, CL, CH, and ML.)

TD = Total Depth

• Sample Depth

PROJECT NO. 2010

APPENDIX B

APPENDIX C

FIELD PROTOCOLS

Environmental Resolutions, Inc.
Soil Boring and Well Installation
Field Protocol

Preliminary Activities

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

Drilling and Soil Sampling Procedures

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

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

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

Field Screening Procedures

ERI places the soil from the middle of the sampling interval into a plastic re-sealable bag. The bag is placed away from direct sunlight for approximately 20 minutes, after which the tip of a photo-ionization detector (PID) or similar device is inserted through the plastic bag to measure organic vapor concentrations in the headspace. The PID measurement is recorded on the boring log. At a minimum, the PID or other device is calibrated on a daily basis in accordance with manufacturer's specifications using a hexane or isobutylene standard. The calibration gas and concentration are recorded on a calibration log. Instruments such as the PID are useful for evaluating relative concentrations of volatilized hydrocarbons, but they do not measure the concentration of petroleum hydrocarbons in the soil matrix with the same precision as laboratory analysis. ERI trained personnel describe the soil in the bag according to the Unified Soil Classification System and record the description on the boring log, which is included in the final report.

Air Monitoring Procedures

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

Groundwater Sampling

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

Backfilling of Soil Boring

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

Well Construction

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

Well Development and Sampling

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

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

Surveying

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

Decontamination Procedures

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

Waste Treatment and Soil Disposal

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

APPENDIX D

PERMITS

Alameda County Public Works Agency - Water Resources Well Permit

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

Application Approved on: 08/03/2009 By jamesy

Permit Numbers: W2009-0703 to W2009-0710
Permits Valid from 08/17/2009 to 08/28/2009

Application Id: 1248130878026
City of Project Site: Oakland
Site Location: 720 High St, Oakland, CA
Project Start Date: 08/17/2009
Completion Date: 08/28/2009
Assigned Inspector: Contact James Yoo at (510) 670-6633 or jamesy@acpwa.org

Applicant: ENVIRONMENTAL RESOLUTIONS INC. - R Westrup
601 N McDowell Bl, Petaluma, CA 94594
Phone: 707-766-2000

Property Owner: Mr. Mo Mashoon
428 13th St, 10th Flr., Oakland, CA 94612
Phone: --

Client: ** same as Property Owner **

Total Due: $3176.00
Receipt Number: WR2009-0292 **Total Amount Paid:** $3176.00
Payer Name : Environmental Resolutions Inc. Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 8 Wells
Driller: Woodward Drilling - Lic #: 710079 - Method: DP

Work Total: $3176.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2009-0703	08/03/2009	11/15/2009	MW16A	8.00 in.	2.00 in.	5.00 ft	13.00 ft
W2009-0704	08/03/2009	11/15/2009	MW16B	8.00 in.	2.00 in.	16.00 ft	24.00 ft
W2009-0705	08/03/2009	11/15/2009	MW17A	8.00 in.	2.00 in.	5.00 ft	13.00 ft
W2009-0706	08/03/2009	11/15/2009	MW17B	8.00 in.	2.00 in.	17.00 ft	24.00 ft
W2009-0707	08/03/2009	11/15/2009	MW18A	8.00 in.	2.00 in.	5.00 ft	13.00 ft
W2009-0708	08/03/2009	11/15/2009	MW18B	8.00 in.	2.00 in.	23.00 ft	31.00 ft
W2009-0709	08/03/2009	11/15/2009	MW19A	8.00 in.	2.00 in.	6.00 ft	14.00 ft
W2009-0710	08/03/2009	11/15/2009	MW19B	8.00 in.	2.00 in.	18.00 ft	26.00 ft

Specific Work Permit Conditions

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

2. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no

case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

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

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

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

6. Applicant shall contact James Yoo for an inspection time at 510-670-6633 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

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

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

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

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

APPENDIX E

BORING LOGS

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS		LTR	DESCRIPTION	MAJOR DIVISIONS		LTR	DESCRIPTION
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	GW	Well-graded gravels or gravel sand mixtures, little or no fines	FINE GRAINED SOILS	SILTS AND CLAYS LL<50	ML	Inorganic silts and very fine-grained sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
		GP	Poorly-graded gravels or gravel sand mixture, little or no fines			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
		GM	Silty gravels, gravel-sand-clay mixtures			OL	Organic silts and organic silt-clays of low plasticity
		GC	Clayey gravels, gravel-sand-clay mixtures		SILTS AND CLAYS LL>50	MH	Inorganic silts, micaceous or diatomaceous fine-grained sandy or silty soils, elastic silts
	SAND AND SANDY SOILS	SW	Well-graded sands or gravelly sands, little or no fines			CH	Inorganic clays of high plasticity, fat clays
		SP	Poorly-graded sands or gravelly sands, little or no fines			OH	Organic clays of medium to high plasticity
		SM	Silty sands, sand-silt mixtures				
		SC	Clayey sands, sand-clay mixtures	HIGHLY ORGANIC SOILS		Pt	Peat and other highly organic soils

SAMPLE CONDITION

- NO RECOVERY
- SAMPLED INTERVAL
- DESCRIBED SAMPLE
- PRESERVED SAMPLE
- GROUNDWATER LEVEL OBSERVED FROM FIRST WET SOIL SAMPLE IN BORING
- STATIC GROUNDWATER LEVEL
- OVM — ORGANIC VAPOR METER READING IN PARTS PER MILLION BY VOLUME
- PID — PHOTO-IONIZATION DETECTOR READING IN PARTS PER MILLION BY VOLUME

WELL DESIGN

- SAND PACK
- BENTONITE ANNULAR SEAL
- NEAT CEMENT ANNULAR SEAL
- BLANK CASING
- SLOTTED CASING
- NR — NOT RECORDED
- NA — NOT ANALYZED

BLOW/FT. REPRESENTS THE NUMBER OF BLOWS OF A 140-POUND HAMMER FALLING 30 INCHES TO DRIVE THE SAMPLER THROUGH THE LAST 12 INCHES OF AN 18-INCH OR 24-INCH PENETRATION.

DASHED LINES SEPARATING UNITS ON THE LOG REPRESENT APPROXIMATE BOUNDARIES ONLY. ACTUAL BOUNDARIES MAY BE GRADUAL. LOGS REPRESENT SUBSURFACE CONDITIONS AT THE BORING LOCATION AT THE TIME OF DRILLING ONLY.

ERI	**UNIFIED SOIL CLASSIFICATION SYSTEM AND LOG OF BORINGS SYMBOL KEY** FORMER EXXON SERVICE STATION 73006 720 High Street Oakland, California	**APPENDIX** E
PROJECT 2010		

BORING LOG MW16A

(Page 1 of 1)

Project No.:	: 2010
Site:	: Former Exxon Service Station 73006, Oakland, California
Logged By:	: Heidi L. Dieffenbach-Carle
Reviewed By:	: Heidi L. Dieffenbach-Carle, P.G. #6793
Signature:	: Heidi Dieffenbach-Carle

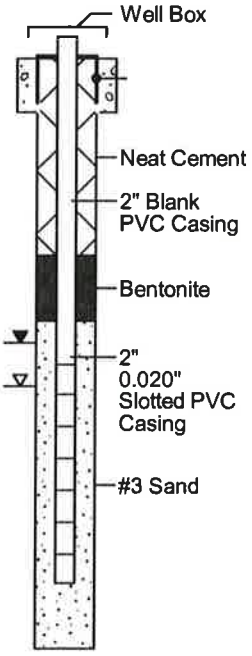
Date Drilled:	: 08/24/09
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-Stem Auger
Sampling Method:	: Split-Spoon
Borehole Diameter:	: 8"
Casing Diameter:	: 2"
Location N-S	: 2106831.3
Location E-W	: 6064620.8
Total Depth:	: 14' bgs
First GW Depth:	: 8' bgs

Sample Condition
- No Recovery
- Sampled Interval
- Described Sample
- Preserved Sample

Water Levels
- Groundwater After Completion 7.0
- Groundwater During Drilling 8.0

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION (% clay/silt/sand/gravel)
0						Concrete: 5.5 inches in thickness.
					FILL	Clayey SAND (Fill): fine- to coarse-grained sand, black, with concrete rubble and chunks of red brick fill
					CL	CLAY: dark grayish brown (2.5Y 4.2), damp, high plasticity, faint orange staining, trace silt (95/5/0/0)
						@ 4 feet bgs: becoming light yellowish brown (2.5Y 6/3) with patches of greenish gray (5GY 5/1)
5					CL	Silty CLAY: olive gray (5Y 5/2) with patches of dark greenish gray (5GY 4/1), damp, trace sand is fine-grained (50/40/10/0)
					SM	Silty SAND: fine- to coarse-grained, olive gray (5Y 4/2), moist, trace gravel
10		474			SW	SAND with Gravel: medium- to coarse-grained, olive gray (5Y 4/2) to dark greenish gray (5GY 4/1), wet, subrounded, gravel is fine-grained, some clay (10/10/60/20)
		16.7			CL	CLAY with Silt: light yellowish brown (2.5Y 6/4), moist, high plasticity, trace sand is fine-grained (80/15/5/0)
15						Cleared to 8' bgs on 08/20/09 with hand tools and vacuum equipment.
20						
25						
30						

Well: MW16A
Elevation: 13.02



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BORING LOG MW16B

(Page 1 of 1)

Project No.:	: 2010
Site:	: Former Exxon Service Station 73006, Oakland, California
Logged By:	: Heidi L. Dieffenbach-Carle
Reviewed By:	: Heidi L. Dieffenbach-Carle, P.G. #6793
Signature:	: Heidi Dieffenbach Carle

Date Drilled:	: 08/24/09, 08/25/09
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-Stem Auger
Sampling Method:	: Split-Spoon
Borehole Diameter:	: 8"
Casing Diameter:	: 2"
Location N-S	: 2106835.1
Location E-W	: 6064623.9
Total Depth:	: 24' bgs
First GW Depth:	: 10' bgs

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: Groundwater After Completion; Groundwater During Drilling 10.0

Well: MW16B
Elevation: 13.19

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	USCS	DESCRIPTION (% clay/silt/sand/gravel)
0			FILL	Concrete: 4.5 inches in thickness. Clayey SAND (Fill): fine-grained, black with concrete rubble and chunks of red brick
			ML	CLAY SILT: very dark gray (5Y 3/1), damp, trace sand is fine-grained (45/50/5/0)
			CL	CLAY: dark grayish brown (2.5Y 4/2), damp, high plasticity, faint-greenish gray (5GY 5/1) mottling, trace silt (95/5/0/0)
5			CL	Silty CLAY: light yellowish brown (2.5Y 6/4), damp, faint orange staining, trace sand is fine-grained (60/35/5/0)
			SM	Silty SAND: fine- to coarse-grained, olive gray (5Y 4/2), moist, trace clay, trace gravel is fine-grained (5/30/60/5)
10		335	SW	SAND with Gravel: medium- to coarse-grained, dark greenish gray (5GY 4/1), wet, rounded to subrounded, gravel is fine- to coarse-grained, rouded to subrounded, trace rust colored staining, trace clay, some silt (5/15/50/30)
15	4 4 16 16	13.8	CL	Silty CLAY: light yellowish brown (2.5Y 6/3) damp, trace black iron oxide specks, trace sand is fine- to medium-grained (60/30/10/0)
	8 13 18	9.2	CL	Silty CLAY with Sand: yellowish brown (10YR 5/4), damp, faint orange staining, trace sand is fine- to coarse-grained, subangular, trace gravel is fine-grained (50/27/20/3)
20	22 14	12.7	CL	Silty CLAY: light yellowish brown (2.5Y 6/3)
	21 50/6		SC	Clayey SAND: fine- to coarse-grained, light olive brown (2.5Y 5/3), moist, trace gravel is fine-grained (25/10/60/5)
	7 9		CL	CLAY with Silt: light yellowish brown (2.5Y 6/3), damp, occassional gravel (80/13/5/2)
	18 36	1.6	GC CL	Clayey GRAVEL with Sand: fine-grained, light yellowish brown (2.5Y 6/3), moist - wet along gravel faces, subrounded to subangular, patchy orange staining,sand is medium- to coarse-grained (30/15/20/35)
25				Silty CLAY: light yellowish brown (2.5Y 6/3), damp, patchy orange staining (60/30/10/3)
30				Cleared to 8' bgs on 08/20/09 with hand tools and vacuum equimpment.

Well Box
Neat Cement
2" Blank PVC Casing
Bentonite
#3 Sand
2" 0.020" Slotted PVC Casing

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BORING LOG MW17A

Project No.:	: 2010
Site:	: Former Exxon Service Station 73006, Oakland, California
Logged By:	: Heidi L. Dieffenbach-Carle
Reviewed By:	: Heidi L. Dieffenbach-Carle, P.G. #6793
Signature:	: Heidi Dieffenbach-Carle

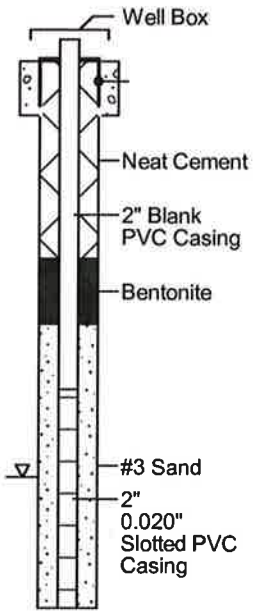
Date Drilled:	: 08/25/09
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-Stem Auger
Sampling Method:	: Split-Spoon
Borehole Diameter:	: 8"
Casing Diameter:	: 2"
Location N-S	: 2106876.4
Location E-W	: 6064652.9
Total Depth:	: 13' bgs
First GW Depth:	: 10' bgs

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: Groundwater After Completion; Groundwater During Drilling 10'

Well: MW17A
Elevation: 13.99

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	USCS	DESCRIPTION (% clay/silt/sand/gravel)
0				Asphalt 3" thick underlain by 4" of concrete
			ML	SILT with Sand: very dark gray (2.5Y 3/1), damp, sand is very fine-grained, trace gravel is coarse-grained (20/55/25/0)
			ML	Clayey SILT: grayish brown (2.5Y 5/2), damp, trace sand is very fine-grained (40/50/10/0)
5			CL	Silty CLAY: light yellowish brown (2.5Y 6/2), damp, faint orange staining, trace black organic matter (60/30/10/0)
			SW	SAND with Gravel: fine- to coarse-grained, olive gray, damp, gravel is fine- to coarse-grained, subangular to subrounded
	14 14 18 31	153	GC	Clayey GRAVEL with Sand: fine- to coarse-grained, moist along gravel faces, rounded to subrounded, sand is fine- to coarse-grained (20/10/30/40)
10	7 7 13 19	821		@10 feet bgs: becoming wet along interstices
	4 7	235	CL	Silty CLAY with Sand: light olive brown, moist, high plasticity, sand is fine-grained (50/30/20/0)
15				Cleared to 8' bgs on 08/20/09 with hand tools and vacuum equimpment.
20				
25				
30				



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BORING LOG MW17B

(Page 1 of 1)

Project No.:	: 2010
Site:	: Former Exxon Station Station 73006, Oakland, California
Logged By:	: Heidi L. Dieffenbach-Carle
Reviewed By:	: Heidi L. Dieffenbach-Carle, P.G. #6793
Signature:	: Heidi Dieffenbach-Carle

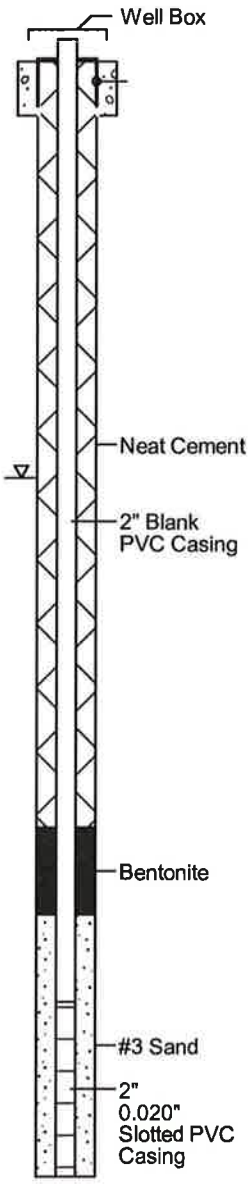
Date Drilled:	: 08/25/09
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-Stem Auger
Sampling Method:	: Split-Spoon
Borehole Diameter:	: 8"
Casing Diameter:	: 2"
Location N-S	: 2106874.7
Location E-W	: 6064656.7
Total Depth:	: 26' bgs
First GW Depth:	: 10' bgs

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: Groundwater After Completion; Groundwater During Drilling 10.0

Well: MW17B
Elevation: 13.92

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION (% clay/silt/sand/gravel)
0						Asphalt: 2.75 inches in thickness, underlain by concrete 5 inches in thickness
					FILL	Gravel (Fill): fine- to coarse gravel, concrete rubble 5 to 12 inches in diameter, patches of clay and silt, debris,
5					CL	CLAY with Silt: yellowish brown, damp, medium plasticity, faint orange staining
		17			SC	Clayey SAND: medium- to coarse-grained, light olive brown, damp, gravel is fine-grained, subangular to subrounded (35/10/45/0)
10	13 14 22 12	44.9			SW	SAND with Gravel: medium- to coarse-grained, dark greenish gray (5GY 4/1), wet, gravel is fine-grained
15	17 17 11 16	2.4			CL	Silty CLAY: light yellowish brown (2.5Y 6/3) moist, rust colored staining, sand is fine-grained (60/30/10/0) @17.5 feet bgs: 3-inch lens of Clayey GRAVEL
20	6 10 16 20	2.6 1.6			CL	Silty CLAY with Sand: light yellowish brown (2.5Y 6/4), damp, patchy orange staining, some black iron oxide flecks, sand is fine-grained (50/30/20/0)
	17 22 50/6	0.3			GC	Clayey GRAVEL with Sand: fine- to coarse-grained, dark yellowish brown (10YR 4/4), wet, sand is coase-grained (20/10/30/40)
25	10 13 18 22	0.7			SC	Clayey SAND: fine- to coarse-grained, dark yellowish brown (10YR 4/4), wet, subrounded (30/10/60/0)
30						Cleared to 8' bgs on 08/19/09 with hand tools and vacuum equimpment.



BORING LOG MW18A

(Page 1 of 1)

Project No.:	: 2010
Site:	: Former Exxon Service Station 73006, Oakland, California
Logged By:	: Janice Jacobson / Heidi L. Dieffenbach-Carle
Reviewed By:	: Heidi L. Dieffenbach-Carle, P.G. #6793
Signature:	: Heidi Dieffenbach-Carle

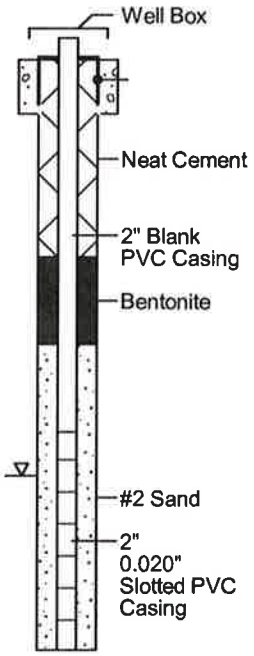
Date Drilled:	: 08/26/09
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-Stem Auger
Sampling Method:	: Split-Spoon
Borehole Diameter:	: 8"
Casing Diameter:	: 2"
Location N-S	: 2106717.5
Location E-W	: 6064707.2
Total Depth:	: 14' bgs
First GW Depth:	: 10' bgs

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: Groundwater After Completion; Groundwater During Drilling 10'

Well: MW18A
Elevation: 13.55

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	USCS	DESCRIPTION (% clay/silt/sand/gravel)
0				Concrete: 10 inches in thickness.
			CL	Silty CLAY with Sand and Gravel: dark gray, moist, sand is fine- to medium-grained, gravel to 2-inch diameter (40/30/20/10)
		13.8	CL	Silty CLAY: greenish gray with light brown staining, moist, medium plasticity (75/25/0/0)
5		189	CL	Silty CLAY: greenish gray, damp, medium plasticity, sand is fine-grained (60/30/10/0)
	5 9	0.9	CL	Silty CLAY: light olive brown (2.5Y 5/3) damp, stiff, patchy orange, stringers of dark greenish gray (5GY 4/1), trace sand is fine- to medium-grained (60, 30, 10, 0)
10	18 21 12	3.5	SC	Clayey SAND: fine- to coarse-grained, dark greenish gray (5GY 4/1), wet along coarse sand faces, trace gravel is fine- to coarse-grained, subangular (20/10/65/5)
	18 21 22	5.0		
	15 18	1.3	SW	@ 11feet bgs: becoming light olive brown SAND with Gravel:fine- to coarse-grained, light olive brown, saturated, trace gravel is fine- to coarse-grained, subangular (15/5/70/10)
	21 10			@ 13 feet bgs: becoming greenish gray (5GY 5/1)
15				Cleared to 8' bgs on 08/17/09 with hand tools and vacuum equimpment.
20				
25				
30				



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BORING LOG MW18B

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Date Drilled:	: 08/25/09
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-Stem Auger
Sampling Method:	: Split-Spoon
Borehole Diameter:	: 8"
Casing Diameter:	: 2"
Location N-S	: 2106714.4
Location E-W	: 6064702.8
Total Depth:	: 31' bgs
First GW Depth:	: 2' bgs

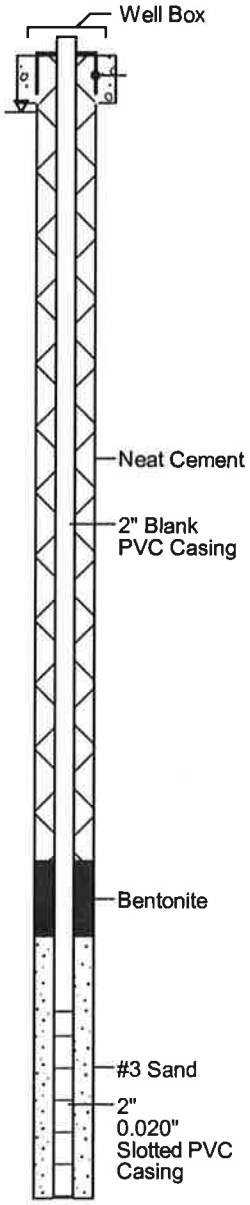
Project No.: : 2010
Site: : Former Exxon Station Station 73006, Oakland, California
Logged By: : Janice Jacobson / Heidi L. Dieffenbach-Carle
Reviewed By: : Heidi L. Dieffenbach-Carle, P.G. #6793
Signature: : Heidi Dieffenbach-Carle

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: Groundwater After Completion; Groundwater During Drilling 2'

Well: MW18B
Elevation: 13.21

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	USCS	DESCRIPTION (% clay/silt/sand/gravel)
0				Concrete: 10 inches in thickness
			GM	Silty Sandy GRAVEL: fine- to medium-grained, greenish gray, damp, sand is fine- to medium-grained (0/15/25/60)
				@ 2 feet bgs: becoming wet
			CL	Silty CLAY: greenish gray with light brown staining, moist, medium plasticity (75/25/0/0)
5	2	18		@ 5 feet bgs: becoming light brown with greenish gray and dark gray mottling
			CL	Sandy Silty CLAY: greenish gray, damp, medium plasticity, calcium carbonate nodules, trace sand is fine-grained (60/30/10/0)
10	10 16 22 32	647	SM	Silty SAND with Gravel: fine- to coarse-grained, dark greenish gray (5GY 4/1) wet, gravel is fine- to coarse-grained, subrounded (10/15/55/20)
	11 16 21 26	219		
15	3 3 4 4	66	CL	Silty CLAY with Sand: light yellowish brown (2.5Y 6/4) moist, trace sand is medium-grained (50/30/20/0)
	4 5 7 9	9.3		
20	6 9 13 14	43	SM	Silty SAND: fine-grained, light yellowish brown (2.5Y 6/4), wet, poorly graded (10/30/60/0)
			CL	Silty CLAY: dark greenish gray (5GY 4/1), moist, trace sand is fine-grained
25	12 14 16 21	4.3		
	6 8 21 26	5.9		@28.25 feet bgs: 2-inch lens of Clayey GRAVEL, becoming wet
30	16 22	4.5	SW CL	SAND: coarse-grained, dark yellowish brown (10YR 4/4), wet, trace gravel is fine-grained, subrounded (5/10/80/5)
				Silty CLAY: light yellowish brown (2.5Y 6/3), damp, faint orange staining, trace sand (80/15/5/0)
35				Cleared to 8' bgs on 08/17/09 with hand tools and vacuum equimpment.



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BORING LOG MW19A

(Page 1 of 1)

Project No.:	: 2010
Site:	: Former Exxon Service Station 73006, Oakland, California
Logged By:	: Heidi L. Dieffenbach-Carle
Reviewed By:	: Heidi L. Dieffenbach-Carle, P.G. #6793
Signature:	: Heidi Dieffenbach-Carle

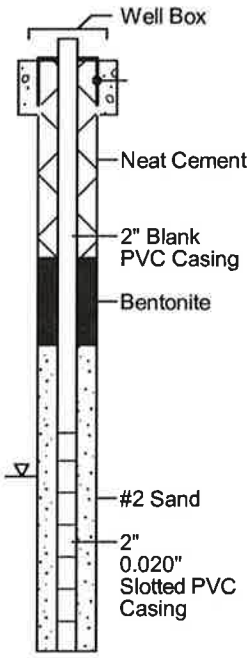
Date Drilled:	: 08/26/09
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-Stem Auger
Sampling Method:	: Split-Spoon
Borehole Diameter:	: 8"
Casing Diameter:	: 2"
Location N-S	: 2106797.5
Location E-W	: 6064749.9
Total Depth:	: 14' bgs
First GW Depth:	: 10' bgs

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: Groundwater After Completion; Groundwater During Drilling 10'

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	USCS	DESCRIPTION (% clay/silt/sand/gravel)
0			FILL	Concrete: 6 inches in thickness.
			FILL	GRAVEL (Fill): yellowish brown, damp, hard, compacted, metal debris
		14	CL	Silty CLAY: very dark grayish brown (10YR 3/2), damp, high plasticity, trace white shell fragments (calcium carbonate), trace sand is fine-grained (60/30/10/0)
5		7	CL	CLAY with Silt: light olive brown (2.5Y 5/3), damp, greenish gray stringers, faint orange mottling, trace sand is fine-grained (80/15/5/0)
10	12 18 21 22 15 18 21 10	1031 403 87.7 109	SC	Clayey SAND: fine- to medium-grained, dark greenish gray (5GY 4/1) wet (30/10/60/0) @11 feet bgs: 6-inch lens of Clayey Gravel (30/10/20/30) @11.5 feet bgs: trace gravel fine-grained gravel (30/10/55/5)
15				Cleared to 7.5' bgs on 08/18/09 with hand tools and vacuum equimpment.
20				
25				
30				

Well: MW19A
Elevation: 15.05



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BORING LOG MW19B

(Page 1 of 1)

Project No.:	: 2010
Site:	: Former Exxon Station Station 73006, Oakland, California
Logged By:	: Heidi L. Dieffenbach-Carle
Reviewed By:	: Heidi L. Dieffenbach-Carle, P.G. #6793
Signature:	: Heidi Dieffenbach-Carle

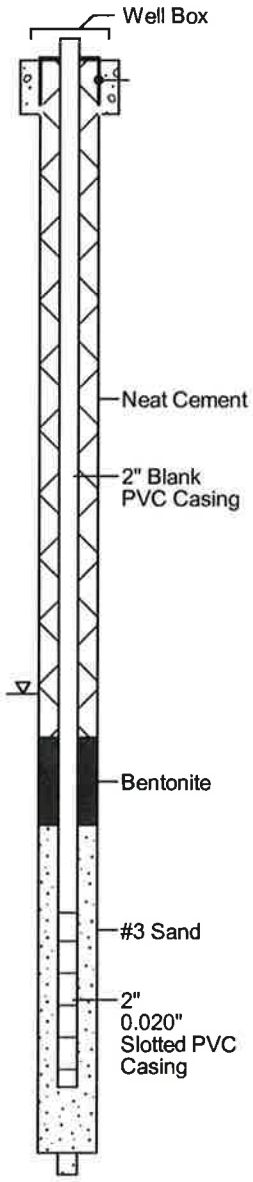
Date Drilled:	: 08/26/09
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-Stem Auger
Sampling Method:	: Split-Spoon
Borehole Diameter:	: 8"
Casing Diameter:	: 2"
Location N-S	: 2106792.2
Location E-W	: 6064749.2
Total Depth:	: 26' bgs
First GW Depth:	: 15' bgs

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: Groundwater After Completion; Groundwater During Drilling 15.0

Well: MW19B
Elevation: 15.03

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	USCS	DESCRIPTION (% clay/silt/sand/gravel)
0				Asphalt: 6 inches in thickness
		27	FILL	Silty SAND (Fill): fine- to medium-grained, black with patches of dark yellowish brown, damp, metal debris, glass shards, wire fragments
				@1.5 feet bgs: increasing gravel content
				CLAY with Silt: olive gray, damp, high plasticity, greenish gray stringers, trace sand is fine-grained (85/10/5/0)
5		15	CL	
			SC	Clayey SAND: fine- to coarse-grained, dark greenish gray (5GY 4/1), moist, well graded (20/10/70/0)
10	4 8 13 17	189	GC	Clayey GRAVEL with Sand: fine- to coarse-grained gravel, moist, subrounded to subangular gravel, sand is fine- to coarse-grained (15/5/30/50)
15	17 21 13 8	14	SC	Clayey SAND with Gravel: medium- to coarse-grained, olive brown (2.5Y 4/4), saturated, gravel is fine- to coase-grained, subangular
			CL	CLAY with Silt: light olive brown (2.5Y 5/4), moist, high plasticity, faint orange staining, trace sand is fine-grained (80/15/5/0)
20	4 6 8 11	1.6 2.3	CL SM	Silty CLAY with Sand: light yellowish brown (2.5Y 6/3), moist, high plasticity, patchy orange staining, sand is fine- to coarse-grained (55/30/15/0)
	5 7 8 11		CL CL	Silty SAND: fine- to coarse-grained, light olive brown (2.5Y 5/4), wet, trace gravel is fine-grained (15/20/65/5) Sandy CLAY: light yellowish brown (2.5Y 6/3), moist, patchy orange staining, sand is fine-grained (50/20/30/0)
25	4 4 4 6		CL	CLAY with Silt: light olive brown (2.5Y 5/3), damp (85/15/0/0) Silty CLAY: dark greenish gray (5GY 4/1), moist, high plasticity, trace sand is fine-grained (65/30/5/0)
30				Cleared to 8' bgs on 08/18/09 with hand tools and vacuum equimpment.



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APPENDIX F

LABORATORY ANALYTICAL REPORTS

Calscience Environmental Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

August 31, 2009

RECEIVED
SEP 0 1 2009
BY:----------

Paula Sime
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Subject: **Calscience Work Order No.: 09-08-1718**
Client Reference: ExxonMobil 73006

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/20/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Cecile L deGuia

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/20/09
Work Order No: 09-08-1718
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW18B	**09-08-1718-1-A**	**08/17/09 10:10**	**Solid**	**GC 49**	**08/21/09**	**08/22/09 00:08**	**090821B04**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	111	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW18A	**09-08-1718-2-A**	**08/17/09 10:30**	**Solid**	**GC 49**	**08/21/09**	**08/22/09 00:24**	**090821B04**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	109	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-275-2,906**	**N/A**	**Solid**	**GC 49**	**08/21/09**	**08/21/09 18:22**	**090821B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	109	61-145			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received: 08/20/09
601 North McDowell Blvd.	Work Order No: 09-08-1718
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8015B (M)

Project: ExxonMobil 73006 — Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW18B	**09-08-1718-1-A**	**08/17/09 10:10**	**Solid**	**GC 5**	**08/20/09**	**08/21/09 00:03**	**090820B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	95	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW18A	**09-08-1718-2-A**	**08/17/09 10:30**	**Solid**	**GC 5**	**08/20/09**	**08/21/09 01:19**	**090820B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	94	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,077**	**N/A**	**Solid**	**GC 5**	**08/20/09**	**08/20/09 12:37**	**090820B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	97	42-126			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received: 08/20/09
601 North McDowell Blvd.	Work Order No: 09-08-1718
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8260B
	Units: mg/kg
Project: ExxonMobil 73006	Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW18B	**09-08-1718-1-A**	**08/17/09 10:10**	**Solid**	**GC/MS JJ**	**08/20/09**	**08/21/09 06:42**	**090820L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	129	73-145			1,4-Bromofluorobenzene	88	71-113		
Dibromofluoromethane	135	73-139			Toluene-d8	100	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW18A	**09-08-1718-2-A**	**08/17/09 10:30**	**Solid**	**GC/MS JJ**	**08/20/09**	**08/21/09 07:12**	**090820L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	138	73-145			1,4-Bromofluorobenzene	95	71-113		
Dibromofluoromethane	131	73-139			Toluene-d8	102	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-239**	**N/A**	**Solid**	**GC/MS JJ**	**08/20/09**	**08/21/09 02:08**	**090820L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	121	73-145			1,4-Bromofluorobenzene	90	71-113		
Dibromofluoromethane	129	73-139			Toluene-d8	95	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.	Date Received: 08/20/09
601 North McDowell Blvd.	Work Order No: 09-08-1718
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-1790-1	**Solid**	**GC 49**	**08/21/09**	**08/21/09**	**090821S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	89	90	64-130	1	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/20/09
Work Order No: 09-08-1718
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-1702-2	**Solid**	**GC 5**	**08/20/09**	**08/20/09**	**090820B01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	108	106	48-114	1	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/20/09
Work Order No: 09-08-1718
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-1363-1	**Solid**	**GC/MS JJ**	**08/20/09**	**08/21/09**	**090820S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	95	79-115	1	0-13	
Carbon Tetrachloride	102	100	55-139	1	0-15	
Chlorobenzene	90	85	79-115	7	0-17	
1,2-Dibromoethane	86	81	70-130	5	0-30	
1,2-Dichlorobenzene	82	80	63-123	3	0-23	
1,1-Dichloroethene	115	107	69-123	7	0-16	
Ethylbenzene	82	79	70-130	4	0-30	
Toluene	97	95	79-115	2	0-15	
Trichloroethene	105	104	66-144	1	0-14	
Vinyl Chloride	107	106	60-126	0	0-14	
Methyl-t-Butyl Ether (MTBE)	79	106	68-128	17	0-14	4
Tert-Butyl Alcohol (TBA)	95	92	44-134	4	0-37	
Diisopropyl Ether (DIPE)	110	111	75-123	1	0-12	
Ethyl-t-Butyl Ether (ETBE)	102	101	75-117	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	90	90	79-115	1	0-12	
Ethanol	72	31	42-138	78	0-28	4,3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.	Date Received: N/A
601 North McDowell Blvd.	Work Order No: 09-08-1718
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-2,906	Solid	GC 49	08/21/09	08/21/09	090821B04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	100	104	75-123	4	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	09-08-1718
Petaluma, CA 94954-2312		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,077	Solid	GC 5	08/20/09	08/20/09	090820B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	100	99	70-124	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-1718
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-239	Solid	GC/MS JJ	08/20/09	08/20/09	090820L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	98	84-114	79-119	0	0-7	
Toluene	99	103	78-114	72-120	3	0-7	
Ethylbenzene	90	90	80-120	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	112	108	77-125	69-133	4	0-11	
Tert-Butyl Alcohol (TBA)	97	97	47-137	32-152	0	0-27	
Diisopropyl Ether (DIPE)	118	118	76-130	67-139	0	0-8	
Ethyl-t-Butyl Ether (ETBE)	110	111	76-124	68-132	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	98	100	82-118	76-124	2	0-11	
Ethanol	130	112	59-131	47-143	14	0-21	
1,1-Dichloroethene	116	118	73-121	65-129	2	0-12	
1,2-Dibromoethane	103	100	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	85	89	79-115	73-121	4	0-8	
Carbon Tetrachloride	98	108	66-132	55-143	10	0-12	
Chlorobenzene	96	94	87-111	83-115	2	0-7	
Trichloroethene	102	104	84-114	79-119	2	0-8	
Vinyl Chloride	107	117	63-129	52-140	9	0-15	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-08-1718

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	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.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
I	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ND	Parameter not detected at the indicated reporting limit.
Q	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.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

CHAIN OF CUSTODY RECORD

(1718)

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

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Blvd.
City/State/Zip: Petaluma, California 94954
Project Manager: Paula Sime
Telephone Number: (707) 766-2000
ERI Job Number: 201003X
Sampler Name: (Print) Jamie Jackson
Sampler Signature:

ExxonMobil Engineer: Jennifer Sedlachek
Telephone Number: (510) 547-8196
Account #:
PO #: 4510812003
Facility ID # 73006
Global ID# T0600100552
Site Address: 720 High Street
City, State Zip: Oakland, California 94601

TAT
- ☐ 24 hour ☐ 72 hour
- ☐ 48 hour ☐ 96 hour
- ☑ 8 day

PROVIDE: EDF Report

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

Use MW# as Field Pt Name

	Sample ID / Description	DATE	TIME	COMP	GRAB	Preserve	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHd 8015B	TPHg 8015B	BTEX 8260B	7 CA Oxys 8260B	Ethanol 8260B
	S-Depth-MW#					ICE	1		X		X	X	X	X	X
1	S-5-MW18B	8/17/09	1010			ice	1		X		X	X	X	X	X
2	S-5-MW18A	8/17/09	1030			ice	1		X		X	X	X	X	X

Relinquished by: Date 8/17/09 Time 1400 Received by: Time 1700

Relinquished by: Date 8/17/09 Time 1600 Received by: Tom O'Malley CEL 8/18/09 Time 1220

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

GSO 8-19-09 TK# 571477370 1730

Dannyle CEL 8/20/09 10:30

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-08-[1][3][1][8]

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ERI

DATE: 08/20/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.2 °C - 0.2 °C (CF) = 2.0 °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 ☐ Metals Only ☐ PCBs Only Initial: DL

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: D.L

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

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.			
☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

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

Air: ☐Tedlar® ☐Summa® ☐_____ **Other:** ☐_____ Checked/Labeled by: SP

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

Preservative: h: HCL n: HNO3 na_2:$Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered Scanned by: SP

Calscience
Environmental
Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

September 02, 2009

RECEIVED
SEP 03 2009
BY:----------

Paula Sime
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Subject: **Calscience Work Order No.: 09-08-2175**
Client Reference: ExxonMobil 73006

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/27/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Cecile L deGuia

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-16.5-MW16B	**09-08-2175-1-A**	**08/25/09 07:35**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 17:23**	**090828B02**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	88	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20.5-MW16B	**09-08-2175-2-A**	**08/25/09 08:00**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 17:41**	**090828B02**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	99	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23.0-MW16B	**09-08-2175-3-A**	**08/25/09 08:10**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 17:58**	**090828B02**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	102	61-145			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW17A	**09-08-2175-4-A**	**08/25/09 09:50**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 18:16**	**090828B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	9.5	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12.5-MW17A	**09-08-2175-5-A**	**08/25/09 10:00**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 18:34**	**090828B02**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW17B	**09-08-2175-6-A**	**08/25/09 11:10**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 18:51**	**090828B02**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17.0-MW17B	**09-08-2175-7-A**	**08/25/09 11:15**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 19:10**	**090828B02**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	97	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20.5-MW17B	**09-08-2175-8-A**	**08/25/09 11:25**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 19:28**	**090828B02**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	103	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-24.5-MW17B	**09-08-2175-9-A**	**08/25/09 11:40**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 19:46**	**090828B02**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	99	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW18B	**09-08-2175-10-A**	**08/25/09 14:25**	**Solid**	**GC 27**	**08/28/09**	**08/31/09 12:38**	**090828B02**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	2700	50	10		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	110	61-145			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12.5-MW18B	**09-08-2175-11-A**	**08/25/09 14:30**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 20:40**	**090828B02**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	940	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	102	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17.0-MW18B	**09-08-2175-12-A**	**08/25/09 14:35**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 20:58**	**090828B02**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	95	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21.0-MW18B	**09-08-2175-13-A**	**08/25/09 14:45**	**Solid**	**GC 47**	**08/31/09**	**08/31/09 19:47**	**090831B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	139	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-275-2,915**	**N/A**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 15:53**	**090828B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	83	61-145			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.	Date Received:	08/27/09
601 North McDowell Blvd.	Work Order No:	09-08-2175
Petaluma, CA 94954-2312	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-275-2,916**	**N/A**	**Solid**	**GC 47**	**08/31/09**	**08/31/09 15:31**	**090831B03**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	141	61-145			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

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Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-16.5-MW16B	**09-08-2175-1-A**	**08/25/09 07:35**	**Solid**	**GC 24**	**08/28/09**	**08/28/09 16:37**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1.2	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	100	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20.5-MW16B	**09-08-2175-2-A**	**08/25/09 08:00**	**Solid**	**GC 24**	**08/28/09**	**08/28/09 17:11**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	0.76	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	94	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23.0-MW16B	**09-08-2175-3-A**	**08/25/09 08:10**	**Solid**	**GC 24**	**08/28/09**	**08/28/09 17:45**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	90	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW17A	**09-08-2175-4-A**	**08/25/09 09:50**	**Solid**	**GC 24**	**08/29/09**	**08/30/09 03:22**	**090829B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	110	10	20		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	115	42-126			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12.5-MW17A	**09-08-2175-5-A**	**08/25/09 10:00**	**Solid**	**GC 24**	**08/29/09**	**08/30/09 03:56**	**090829B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	56	10	20		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	99	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW17B	**09-08-2175-6-A**	**08/25/09 11:10**	**Solid**	**GC 24**	**08/29/09**	**08/29/09 00:01**	**090829B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	0.92	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	91	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17.0-MW17B	**09-08-2175-7-A**	**08/25/09 11:15**	**Solid**	**GC 24**	**08/28/09**	**08/28/09 14:56**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	89	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20.5-MW17B	**09-08-2175-8-A**	**08/25/09 11:25**	**Solid**	**GC 24**	**08/28/09**	**08/28/09 20:00**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	91	42-126			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-24.5-MW17B	**09-08-2175-9-A**	**08/25/09 11:40**	**Solid**	**GC 24**	**08/28/09**	**08/28/09 20:33**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	89	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW18B	**09-08-2175-10-A**	**08/25/09 14:25**	**Solid**	**GC 24**	**08/29/09**	**08/30/09 04:29**	**090829B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	990	50	100		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	117	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12.5-MW18B	**09-08-2175-11-A**	**08/25/09 14:30**	**Solid**	**GC 24**	**08/29/09**	**08/30/09 05:03**	**090829B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	950	50	100		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	103	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17.0-MW18B	**09-08-2175-12-A**	**08/25/09 14:35**	**Solid**	**GC 24**	**08/29/09**	**08/30/09 01:08**	**090829B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	93	42-126			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

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Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21.0-MW18B	**09-08-2175-13-A**	**08/25/09 14:45**	**Solid**	**GC 24**	**08/29/09**	**08/30/09 02:49**	**090829B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	87	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,102**	**N/A**	**Solid**	**GC 24**	**08/28/09**	**08/28/09 12:10**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	87	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,104**	**N/A**	**Solid**	**GC 24**	**08/29/09**	**08/29/09 16:04**	**090829B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	91	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,105**	**N/A**	**Solid**	**GC 24**	**08/29/09**	**08/29/09 17:51**	**090829B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	4.0	8		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	82	42-126			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-16.5-MW16B	**09-08-2175-1-A**	**08/25/09 07:35**	**Solid**	**GC/MS UU**	**08/31/09**	**08/31/09 19:58**	**090831L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	0.0060	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	104	73-145			1,4-Bromofluorobenzene	97	71-113		
Dibromofluoromethane	92	73-139			Toluene-d8	99	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20.5-MW16B	**09-08-2175-2-A**	**08/25/09 08:00**	**Solid**	**GC/MS UU**	**08/31/09**	**08/31/09 20:25**	**090831L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	105	73-145			1,4-Bromofluorobenzene	99	71-113		
Dibromofluoromethane	90	73-139			Toluene-d8	99	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23.0-MW16B	**09-08-2175-3-A**	**08/25/09 08:10**	**Solid**	**GC/MS UU**	**08/31/09**	**08/31/09 20:52**	**090831L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	100	73-145			1,4-Bromofluorobenzene	90	71-113		
Dibromofluoromethane	91	73-139			Toluene-d8	96	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW17A	**09-08-2175-4-A**	**08/25/09 09:50**	**Solid**	**GC/MS UU**	**08/31/09**	**08/31/09 17:43**	**090831L02**

Comment(s): -The reporting limits are elevated due to high levels of non-target compounds.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Toluene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Ethylbenzene	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Xylenes (total)	ND	0.50	100		Ethanol	ND	25	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100		1,2-Dibromoethane	ND	0.50	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	100		1,2-Dichloroethane	ND	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	107	73-145			1,4-Bromofluorobenzene	97	71-113		
Dibromofluoromethane	90	73-139			Toluene-d8	101	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12.5-MW17A	**09-08-2175-5-A**	**08/25/09 10:00**	**Solid**	**GC/MS UU**	**08/31/09**	**08/31/09 18:10**	**090831L02**

Comment(s): -The reporting limits are elevated due to high levels of non-target compounds.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Toluene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Ethylbenzene	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Xylenes (total)	ND	0.50	100		Ethanol	ND	25	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100		1,2-Dibromoethane	ND	0.50	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	100		1,2-Dichloroethane	ND	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	106	73-145			1,4-Bromofluorobenzene	100	71-113		
Dibromofluoromethane	89	73-139			Toluene-d8	98	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW17B	**09-08-2175-6-A**	**08/25/09 11:10**	**Solid**	**GC/MS UU**	**08/31/09**	**08/31/09 21:19**	**090831L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	103	73-145			1,4-Bromofluorobenzene	98	71-113		
Dibromofluoromethane	91	73-139			Toluene-d8	99	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17.0-MW17B	**09-08-2175-7-A**	**08/25/09 11:15**	**Solid**	**GC/MS UU**	**08/31/09**	**08/31/09 15:55**	**090831L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	0.0082	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	114	73-145			1,4-Bromofluorobenzene	95	71-113		
Dibromofluoromethane	98	73-139			Toluene-d8	99	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20.5-MW17B	**09-08-2175-8-A**	**08/25/09 11:25**	**Solid**	**GC/MS UU**	**08/28/09**	**08/28/09 14:41**	**090828L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	0.096	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	110	73-145			1,4-Bromofluorobenzene	94	71-113		
Dibromofluoromethane	96	73-139			Toluene-d8	100	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-24.5-MW17B	**09-08-2175-9-A**	**08/25/09 11:40**	**Solid**	**GC/MS UU**	**08/28/09**	**08/28/09 21:00**	**090828L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	108	73-145			1,4-Bromofluorobenzene	93	71-113		
Dibromofluoromethane	94	73-139			Toluene-d8	98	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW18B	**09-08-2175-10-A**	**08/25/09 14:25**	**Solid**	**GC/MS UU**	**08/31/09**	**08/31/09 18:37**	**090831L02**

Comment(s): -The reporting limits are elevated due to high levels of non-target compounds.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.0	200		Diisopropyl Ether (DIPE)	ND	2.0	200	
Toluene	ND	1.0	200		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	200	
Ethylbenzene	ND	1.0	200		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	200	
Xylenes (total)	ND	1.0	200		Ethanol	ND	50	200	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	200		1,2-Dibromoethane	ND	1.0	200	
Tert-Butyl Alcohol (TBA)	ND	10	200		1,2-Dichloroethane	ND	1.0	200	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	110	73-145			1,4-Bromofluorobenzene	111	71-113		
Dibromofluoromethane	95	73-139			Toluene-d8	108	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12.5-MW18B	**09-08-2175-11-A**	**08/25/09 14:30**	**Solid**	**GC/MS UU**	**08/31/09**	**08/31/09 19:04**	**090831L02**

Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.0	200		Diisopropyl Ether (DIPE)	ND	2.0	200	
Toluene	ND	1.0	200		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	200	
Ethylbenzene	ND	1.0	200		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	200	
Xylenes (total)	ND	1.0	200		Ethanol	ND	50	200	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	200		1,2-Dibromoethane	ND	1.0	200	
Tert-Butyl Alcohol (TBA)	ND	10	200		1,2-Dichloroethane	ND	1.0	200	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	98	73-145			1,4-Bromofluorobenzene	108	71-113		
Dibromofluoromethane	87	73-139			Toluene-d8	111	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17.0-MW18B	**09-08-2175-12-A**	**08/25/09 14:35**	**Solid**	**GC/MS UU**	**08/31/09**	**08/31/09 19:31**	**090831L02**

Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Toluene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Ethylbenzene	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Xylenes (total)	ND	0.50	100		Ethanol	ND	25	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100		1,2-Dibromoethane	ND	0.50	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	100		1,2-Dichloroethane	ND	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	101	73-145			1,4-Bromofluorobenzene	98	71-113		
Dibromofluoromethane	85	73-139			Toluene-d8	102	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21.0-MW18B	**09-08-2175-13-A**	**08/25/09 14:45**	**Solid**	**GC/MS UU**	**08/28/09**	**08/28/09 21:27**	**090828L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	113	73-145			1,4-Bromofluorobenzene	99	71-113		
Dibromofluoromethane	96	73-139			Toluene-d8	103	90-108		

Method Blank	**099-12-882-246**	**N/A**	**Solid**	**GC/MS UU**	**08/28/09**	**08/28/09 13:47**	**090828L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	114	73-145			1,4-Bromofluorobenzene	95	71-113		
Dibromofluoromethane	101	73-139			Toluene-d8	97	90-108		

Method Blank	**099-12-882-249**	**N/A**	**Solid**	**GC/MS UU**	**08/31/09**	**08/31/09 13:12**	**090831L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	113	73-145			1,4-Bromofluorobenzene	94	71-113		
Dibromofluoromethane	103	73-139			Toluene-d8	98	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-250**	**N/A**	**Solid**	**GC/MS UU**	**08/31/09**	**08/31/09 13:39**	**090831L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Toluene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Ethylbenzene	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Xylenes (total)	ND	0.50	100		Ethanol	ND	25	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100		1,2-Dibromoethane	ND	0.50	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	100		1,2-Dichloroethane	ND	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	109	73-145			1,4-Bromofluorobenzene	93	71-113		
Dibromofluoromethane	92	73-139			Toluene-d8	98	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-16.5-MW16B	**Solid**	**GC 27**	**08/28/09**	**08/28/09**	**090828S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	89	81	64-130	10	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-2296-2	**Solid**	**GC 47**	**08/31/09**	**08/31/09**	**090831S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	91	95	64-130	4	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-17.0-MW17B	**Solid**	**GC 24**	**08/28/09**	**08/28/09**	**090828S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	101	109	48-114	7	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.		Date Received:	08/27/09
601 North McDowell Blvd.		Work Order No:	09-08-2175
Petaluma, CA 94954-2312		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-2229-1	**Solid**	**GC 24**	**08/29/09**	**08/29/09**	**090829S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	96	92	48-114	5	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-20.5-MW17B	**Solid**	**GC/MS UU**	**08/28/09**	**08/28/09**	**090828S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	102	79-115	0	0-13	
Toluene	96	95	79-115	1	0-15	
Ethylbenzene	104	104	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	184	154	68-128	8	0-14	3
Tert-Butyl Alcohol (TBA)	111	88	44-134	23	0-37	
Diisopropyl Ether (DIPE)	103	102	75-123	1	0-12	
Ethyl-t-Butyl Ether (ETBE)	97	98	75-117	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	100	98	79-115	2	0-12	
Ethanol	98	103	42-138	5	0-28	
1,1-Dichloroethene	99	104	69-123	5	0-16	
1,2-Dibromoethane	100	99	70-130	1	0-30	
1,2-Dichlorobenzene	98	102	63-123	5	0-23	
Carbon Tetrachloride	117	125	55-139	7	0-15	
Chlorobenzene	102	102	79-115	0	0-17	
Trichloroethene	100	99	66-144	1	0-14	
Vinyl Chloride	108	112	60-126	3	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-17.0-MW17B	**Solid**	**GC/MS UU**	**08/31/09**	**08/31/09**	**090831S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	100	79-115	2	0-13	
Toluene	91	93	79-115	2	0-15	
Ethylbenzene	101	104	70-130	3	0-30	
Methyl-t-Butyl Ether (MTBE)	123	114	68-128	7	0-14	
Tert-Butyl Alcohol (TBA)	100	111	44-134	11	0-37	
Diisopropyl Ether (DIPE)	103	102	75-123	1	0-12	
Ethyl-t-Butyl Ether (ETBE)	93	97	75-117	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	93	99	79-115	6	0-12	
Ethanol	106	103	42-138	2	0-28	
1,1-Dichloroethene	99	102	69-123	3	0-16	
1,2-Dibromoethane	101	114	70-130	12	0-30	
1,2-Dichlorobenzene	98	101	63-123	3	0-23	
Carbon Tetrachloride	119	130	55-139	8	0-15	
Chlorobenzene	101	105	79-115	3	0-17	
Trichloroethene	93	99	66-144	6	0-14	
Vinyl Chloride	109	113	60-126	4	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.	Date Received:	N/A
601 North McDowell Blvd.	Work Order No:	09-08-2175
Petaluma, CA 94954-2312	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-2,915	Solid	GC 27	08/28/09	08/28/09	090828B02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	99	101	75-123	1	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-2175
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-2,916	Solid	GC 47	08/31/09	08/31/09	090831B03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	92	94	75-123	2	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,105	Solid	GC 24	08/29/09	08/29/09	090829B02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	104	107	70-124	3	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,102	Solid	GC 24	08/28/09	08/28/09	090828B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	102	104	70-124	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,104	**Solid**	**GC 24**	**08/29/09**	**08/29/09**	**090829B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	104	107	70-124	3	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-246	Solid	GC/MS UU	08/28/09	08/28/09	090828L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	97	96	84-114	79-119	1	0-7	
Toluene	92	91	78-114	72-120	1	0-7	
Ethylbenzene	98	99	80-120	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	101	96	77-125	69-133	5	0-11	
Tert-Butyl Alcohol (TBA)	98	98	47-137	32-152	0	0-27	
Diisopropyl Ether (DIPE)	98	102	76-130	67-139	4	0-8	
Ethyl-t-Butyl Ether (ETBE)	95	99	76-124	68-132	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	100	99	82-118	76-124	1	0-11	
Ethanol	89	99	59-131	47-143	11	0-21	
1,1-Dichloroethene	94	98	73-121	65-129	3	0-12	
1,2-Dibromoethane	98	98	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	94	97	79-115	73-121	3	0-8	
Carbon Tetrachloride	113	118	66-132	55-143	4	0-12	
Chlorobenzene	98	98	87-111	83-115	0	0-7	
Trichloroethene	95	93	84-114	79-119	3	0-8	
Vinyl Chloride	104	105	63-129	52-140	2	0-15	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-249	Solid	GC/MS UU	08/31/09	08/31/09	090831L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	98	84-114	79-119	1	0-7	
Toluene	93	92	78-114	72-120	1	0-7	
Ethylbenzene	103	102	80-120	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	104	94	77-125	69-133	10	0-11	
Tert-Butyl Alcohol (TBA)	100	89	47-137	32-152	12	0-27	
Diisopropyl Ether (DIPE)	103	103	76-130	67-139	0	0-8	
Ethyl-t-Butyl Ether (ETBE)	99	99	76-124	68-132	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	102	99	82-118	76-124	3	0-11	
Ethanol	83	93	59-131	47-143	12	0-21	
1,1-Dichloroethene	100	100	73-121	65-129	1	0-12	
1,2-Dibromoethane	102	99	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	101	101	79-115	73-121	0	0-8	
Carbon Tetrachloride	125	124	66-132	55-143	1	0-12	
Chlorobenzene	101	102	87-111	83-115	1	0-7	
Trichloroethene	97	94	84-114	79-119	2	0-8	
Vinyl Chloride	106	104	63-129	52-140	2	0-15	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-2175
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-250	Solid	GC/MS UU	08/31/09	08/31/09	090831L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	98	84-114	79-119	1	0-7	
Toluene	93	92	78-114	72-120	1	0-7	
Ethylbenzene	103	102	80-120	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	104	94	77-125	69-133	10	0-11	
Tert-Butyl Alcohol (TBA)	100	89	47-137	32-152	12	0-27	
Diisopropyl Ether (DIPE)	103	103	76-130	67-139	0	0-8	
Ethyl-t-Butyl Ether (ETBE)	99	99	76-124	68-132	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	102	99	82-118	76-124	3	0-11	
Ethanol	83	93	59-131	47-143	12	0-21	
1,1-Dichloroethene	100	100	73-121	65-129	1	0-12	
1,2-Dibromoethane	102	99	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	101	101	79-115	73-121	0	0-8	
Carbon Tetrachloride	125	124	66-132	55-143	1	0-12	
Chlorobenzene	101	102	87-111	83-115	1	0-7	
Trichloroethene	97	94	84-114	79-119	2	0-8	
Vinyl Chloride	106	104	63-129	52-140	2	0-15	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

ACCREDITED IN ACCORDANCE WITH nelac

Work Order Number: 09-08-2175

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	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.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
I	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ND	Parameter not detected at the indicated reporting limit.
Q	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.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Cecile de Guia

From: Paula Sime [psime@ERI-US.com]
Sent: August 28, 2009 16:30
To: Cecile de Guia
Subject: RE: Oakland Soil Samples

THANK YOU Cecile. Yes, the TAT for the samples for last week will be OK to receive all of the by COB on 9/4. The surcharge will be acceptable. I really appreciate your help. Paula

Paula Sime
Sr. Project Manager
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954
psime@eri-us.com
www.eri-us.com
707-766-2026-Office
707-338-8012-Cell
707-789-0414-Fax

From: Cecile de Guia [mailto:CdeGuia@calscience.com]
Sent: Friday, August 28, 2009 4:26 PM
To: Paula Sime
Cc: Alan Kemp
Subject: RE: Oakland Soil Samples
Importance: High

Hi Paula,

I checked the lab and they could do a 72 hrs TAT for WO#: 09-08-2175, 09-08-2176, 09-08-2177, and 09-08-2296. The samples were received yesterday and today. Then, these reports will be due on 09/02/09.

For samples that we received last week, I would like to keep the TAT since the reports are schedule to go out on 09/2 and 09/04.

There will be a surcharge of 25% for 72 HRS TAT. Please confirm if you agree with 72 HRS TAT for the four WO#s mentioned above.

Thank you.

Cecile de Guia
Project Manager
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way

Garden Grove, CA 92841-1427
Phone: 714-895-5494 x221
Fax: 714-894-7501
CdeGuia@calscience.com

The difference is service

From: Paula Sime [mailto:psime@ERI-US.com]
Sent: August 28, 2009 15:25
To: Cecile de Guia; Alan Kemp
Subject: Oakland Soil Samples

Cecile:

It has come to my attention that the report for the drilling we just completed at site 73006 (720 High Street, Oakland) is due by the end of September. This means we will need the analytical results way sooner than the standard TAT. I apologize in advance for asking this, but can we get those as soon as you can get them to us? I don't know what your schedule will accomodate right now but every day helps. Please let me know when we can expect to receive the results.

Also, apparently we did not collect a stockpile sample when we were on site for drilling. We will collect one this coming Tuesday, which will need to be put on 24-hour TAT (analyzed for TPHg, TPHd, BTEX, oxys, and HVOCs 8010 list by 8260). Is there any way that Alan can pick that sample up at the site? Our geologist will be staying in Oakland for the entire week and not returning to the office so it would be the quickest way to get that sample to you.

I'll give you a call in a bit to discuss. Thank you in advance for any help you can offer.

Paula

Paula Sime
Sr. Project Manager
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954
psime@eri-us.com
www.eri-us.com
707-766-2026-Office
707-338-8012-Cell
707-789-0414-Fax

Sandy Tat

From: Paula Sime [psime@ERI-US.com]
Sent: Friday, August 28, 2009 9:14 AM
To: Sandy Tat
Subject: RE: ExxonMobil 73006 (09-08-2175)
Attachments: 73006 COC_8-25-09.pdf

Sandy, here you go. Paula

Paula Sime
Sr. Project Manager
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954
psime@eri-us.com
www.eri-us.com
707-766-2026-Office
707-338-8012-Cell
707-789-0414-Fax

From: Sandy Tat [mailto:STat@calscience.com]
Sent: Thursday, August 27, 2009 3:00 PM
To: Paula Sime
Subject: ExxonMobil 73006 (09-08-2175)

Hi Paula,

We have received the soil samples for the above site; however, we also received one extra sample (S-21.0-MW18B @ 14:45) that is not listed on the COC. Therefore, do you need Calscience to analyze for this extra sample? If yes, please list it on the COC.

<<09-08-2175.PDF>>

Thanks,

Sandy Tat
Project Manager Assistant
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427

CHAIN OF CUSTODY RECORD

Cambria Environmental Technology, Inc.
7440 Lincoln Way
Garden Grove, CA 92841
TEL: (714) 895-5494
FAX: (714) 894-7501

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Blvd.
City/State/Zip: Petaluma, California 94954
Project Manager Paula Sime
Telephone Number: (707) 766-2000
ERI Job Number: 201003X
Sampler Name: (Print) Heidi Dieffenbach-Carle
Sampler Signature: [signature] for HDC

ExxonMobil Engineer Jennifer Sedlachek
Telephone Number (510) 547-8196
Account #:
PO #: 4510812003
Facility ID # 73006
Global ID# T0600100552
Site Address 720 High Street
City, State Zip Oakland, California 94601

TAT
☐ 24 hour ☐ 72 hour
☐ 48 hour ☐ 96 hour
☑ 8 day

PROVIDE:
EDF Report

Special Instructions:
7 CA Oxys = TBA, ETBE, TAME, EDB, 1,2-DCA, DIPE, MTBE.
Set TBA detection limit at or below 12 ug/L.
Use silica gel cleanup on all TPHd analyses.
Use MW# as Field Pt Name

Sample ID / Description	DATE	TIME	COMP	GRAB	Preserve	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHd 8015B	TPHg 8015B	BTEX 8260B	7 CA Oxys 8260B	Ethanol 8260B
S-Depth-MW#														
S-21.0 – MW18B	8/25/09	14:45			ice	1		X		X	X	X	X	X

Relinquished by: [signature] for HDC Date 8/28/09 Time 9:00 Received by: Time

Relinquished by: Date Time Received by: Time

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

CHAIN OF CUSTODY RECORD

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

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Blvd.
City/State/Zip: Petaluma, California 94954
Project Manager: Paula Sime
Telephone Number: (707) 766-2000
ERI Job Number: 201003X
Sampler Name: (Print) Heidi Dieffenbach-Carle
Sampler Signature: Heidi Dieffenbach-Carle

2175

ExxonMobil Engineer: Jennifer Sedlachek
Telephone Number: (510) 547-8196
Account #:
PO #: 4510812003
Facility ID #: 73006
Global ID#: T0600100552
Site Address: 720 High Street
City, State Zip: Oakland, California 94601

TAT: ☐ 24 hour ☐ 72 hour ☐ 48 hour ☐ 96 hour ☑ 8 day

PROVIDE: EDF Report

Special Instructions:
7 CA Oxys = TBA, ETBE, TAME, EDB, 1,2-DCA, DIPE, MTBE.
Set TBA detection limit at or below 12 ug/L.
Use silica gel cleanup on all TPHd analyses.
Use MW# as Field Pt Name

	Sample ID / Description	DATE	TIME	COMP	GRAB	Preserve	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHd 8015B	TPHg 8015B	BTEX 8260B	7 CA Oxys 8260B	Ethanol 8260B
	S-Depth-MW#					ICE	1		X		X	X	X	X	X
1	S-16.5-MW16B	8-25-09	0735			ICE	1		X		X	X	X	X	X
2	S-20.5-MW16B		0800												
3	S-23.0-MW16B		0810												
4	S-10.5-MW17A		0950												
5	S-12.5-MW17A		1000												
6	S-10.5-MW17B		1110												
7	S-17.0-MW17B		1115												
8	S-20.5-MW17B		1125												
9	S-24.5-MW17B		1130												
10	S-10.5-MW18B		1425												
11	S-12.5-MW18B		1430												
12	S-17.0-MW18B		1435												

Relinquished by: Heidi Dieffenbach-Carle Date 8-25-09 Time 1900
Received by: Jo O'Malley CLS 8/26/09 Time 1200

Relinquished by: [signature] Date 8-26-09 Time 1730
Received by: [signature] Date 8/27/09 Time 1000

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

S125 E2611

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-08-2175

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ERI DATE: 8/27/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

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

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

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

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

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** JP

CUSTODY SEALS INTACT:

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

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

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.			
☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑ 8/27/09	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Water: ☐VOA ☐VOAh ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____ **Other:** ☐_____ **Checked/Labeled by:** ZMM

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

Preservative: h: HCL n: HNO3 **na$_2$**: $Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** ZMM

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-08-2117K

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Samples NOT RECEIVED but listed on COC**
- ☑ **Samples received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s)/preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☐ **Sample labels do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Containers**
  - ☐ **Analysis**
- ☐ **Sample containers compromised** – Note in comments
  - ☐ **Leaking**
  - ☐ **Broken**
  - ☐ **Without Labels**
- ☐ **Air sample containers compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

(-13) labeled as S-210-MW1SB 8-25-09 @ 1445

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 RSK or CO_2 or DO Received

Comments: _____

*Transferred at Client's request.

Initial / Date YL 8/27/09

Calscience
Environmental
Laboratories, Inc.

September 02, 2009

RECEIVED
SEP 03 2009
BY:_____

Paula Sime
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Subject: **Calscience Work Order No.: 09-08-2176**
Client Reference: ExxonMobil 73006

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/27/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Cecile L deGuia

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2176
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-27.0-MW18B	**09-08-2176-1-A**	**08/25/09 15:15**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 10:09**	**090828B02**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	92	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-29.0-MW18B	**09-08-2176-2-A**	**08/25/09 15:25**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 10:27**	**090828B02**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	92	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-30.5-MW18B	**09-08-2176-3-A**	**08/25/09 15:30**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 10:45**	**090828B02**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	92	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23.0-MW17B	**09-08-2176-4-A**	**08/25/09 11:30**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 11:03**	**090828B02**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	94	61-145			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2176
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-275-2,915**	**N/A**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 15:53**	**090828B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	83	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2176
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-27.0-MW18B	**09-08-2176-1-A**	**08/25/09 15:15**	**Solid**	**GC 24**	**08/31/09**	**08/31/09 19:17**	**090831B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene - FID	91	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-29.0-MW18B	**09-08-2176-2-A**	**08/25/09 15:25**	**Solid**	**GC 24**	**08/31/09**	**08/31/09 19:50**	**090831B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene - FID	92	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-30.5-MW18B	**09-08-2176-3-A**	**08/25/09 15:30**	**Solid**	**GC 24**	**08/31/09**	**08/31/09 20:24**	**090831B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene - FID	92	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23.0-MW17B	**09-08-2176-4-A**	**08/25/09 11:30**	**Solid**	**GC 24**	**08/31/09**	**08/31/09 20:58**	**090831B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene - FID	89	42-126			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2176
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,107**	**N/A**	**Solid**	**GC 24**	**08/31/09**	**08/31/09 13:28**	**090831B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	83	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2176
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-27.0-MW18B	**09-08-2176-1-A**	**08/25/09 15:15**	**Solid**	**GC/MS UU**	**08/28/09**	**08/28/09 19:39**	**090828L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	114	73-145			1,4-Bromofluorobenzene	100	71-113		
Dibromofluoromethane	103	73-139			Toluene-d8	104	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-29.0-MW18B	**09-08-2176-2-A**	**08/25/09 15:25**	**Solid**	**GC/MS UU**	**08/28/09**	**08/28/09 20:06**	**090828L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	117	73-145			1,4-Bromofluorobenzene	100	71-113		
Dibromofluoromethane	100	73-139			Toluene-d8	102	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-30.5-MW18B	**09-08-2176-3-A**	**08/25/09 15:30**	**Solid**	**GC/MS UU**	**08/27/09**	**08/27/09 20:47**	**090827L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	114	73-145			1,4-Bromofluorobenzene	96	71-113		
Dibromofluoromethane	93	73-139			Toluene-d8	99	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2176
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23.0-MW17B	**09-08-2176-4-A**	**08/25/09 11:30**	**Solid**	**GC/MS UU**	**08/28/09**	**08/28/09 20:33**	**090828L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	0.0060	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	101	73-145			1,4-Bromofluorobenzene	96	71-113		
Dibromofluoromethane	91	73-139			Toluene-d8	99	90-108		

Method Blank	**099-12-882-243**	**N/A**	**Solid**	**GC/MS UU**	**08/27/09**	**08/27/09 13:07**	**090827L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	110	73-145			1,4-Bromofluorobenzene	98	71-113		
Dibromofluoromethane	96	73-139			Toluene-d8	99	90-108		

Method Blank	**099-12-882-246**	**N/A**	**Solid**	**GC/MS UU**	**08/28/09**	**08/28/09 13:47**	**090828L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	114	73-145			1,4-Bromofluorobenzene	95	71-113		
Dibromofluoromethane	101	73-139			Toluene-d8	97	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2176
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-2175-1	**Solid**	**GC 27**	**08/28/09**	**08/28/09**	**090828S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	89	81	64-130	10	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2176
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-2423-1	Solid	GC 24	08/31/09	08/31/09	090831S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	94	82	48-114	14	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2176
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-1939-1	Solid	GC/MS UU	08/27/09	08/27/09	090827S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	99	79-115	0	0-13	
Toluene	95	94	79-115	1	0-15	
Ethylbenzene	102	102	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	97	94	68-128	2	0-14	
Tert-Butyl Alcohol (TBA)	120	94	44-134	24	0-37	
Diisopropyl Ether (DIPE)	99	99	75-123	0	0-12	
Ethyl-t-Butyl Ether (ETBE)	95	96	75-117	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	99	79-115	2	0-12	
Ethanol	110	99	42-138	11	0-28	
1,1-Dichloroethene	99	99	69-123	1	0-16	
1,2-Dibromoethane	97	99	70-130	2	0-30	
1,2-Dichlorobenzene	100	98	63-123	2	0-23	
Carbon Tetrachloride	113	113	55-139	0	0-15	
Chlorobenzene	102	100	79-115	2	0-17	
Trichloroethene	97	96	66-144	1	0-14	
Vinyl Chloride	109	112	60-126	2	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.	Date Received:	08/27/09
601 North McDowell Blvd.	Work Order No:	09-08-2176
Petaluma, CA 94954-2312	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-2175-8	Solid	GC/MS UU	08/28/09	08/28/09	090828S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	102	79-115	0	0-13	
Toluene	96	95	79-115	1	0-15	
Ethylbenzene	104	104	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	184	154	68-128	8	0-14	3
Tert-Butyl Alcohol (TBA)	111	88	44-134	23	0-37	
Diisopropyl Ether (DIPE)	103	102	75-123	1	0-12	
Ethyl-t-Butyl Ether (ETBE)	97	98	75-117	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	100	98	79-115	2	0-12	
Ethanol	98	103	42-138	5	0-28	
1,1-Dichloroethene	99	104	69-123	5	0-16	
1,2-Dibromoethane	100	99	70-130	1	0-30	
1,2-Dichlorobenzene	98	102	63-123	5	0-23	
Carbon Tetrachloride	117	125	55-139	7	0-15	
Chlorobenzene	102	102	79-115	0	0-17	
Trichloroethene	100	99	66-144	1	0-14	
Vinyl Chloride	108	112	60-126	3	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.	Date Received:	N/A
601 North McDowell Blvd.	Work Order No:	09-08-2176
Petaluma, CA 94954-2312	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-2,915	Solid	GC 27	08/28/09	08/28/09	090828B02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	99	101	75-123	1	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	09-08-2176
Petaluma, CA 94954-2312		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,107	**Solid**	**GC 24**	**08/31/09**	**08/31/09**	**090831B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	96	105	70-124	9	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.	Date Received:	N/A
601 North McDowell Blvd.	Work Order No:	09-08-2176
Petaluma, CA 94954-2312	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-243	Solid	GC/MS UU	08/27/09	08/27/09	090827L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	97	98	84-114	79-119	1	0-7	
Toluene	92	92	78-114	72-120	1	0-7	
Ethylbenzene	100	99	80-120	73-127	2	0-20	
Methyl-t-Butyl Ether (MTBE)	101	100	77-125	69-133	1	0-11	
Tert-Butyl Alcohol (TBA)	91	94	47-137	32-152	3	0-27	
Diisopropyl Ether (DIPE)	101	100	76-130	67-139	1	0-8	
Ethyl-t-Butyl Ether (ETBE)	97	97	76-124	68-132	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	98	100	82-118	76-124	2	0-11	
Ethanol	83	97	59-131	47-143	15	0-21	
1,1-Dichloroethene	100	96	73-121	65-129	3	0-12	
1,2-Dibromoethane	101	99	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	99	94	79-115	73-121	6	0-8	
Carbon Tetrachloride	113	112	66-132	55-143	1	0-12	
Chlorobenzene	99	99	87-111	83-115	0	0-7	
Trichloroethene	96	96	84-114	79-119	0	0-8	
Vinyl Chloride	107	103	63-129	52-140	3	0-15	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-2176
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-246	Solid	GC/MS UU	08/28/09	08/28/09	090828L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	97	96	84-114	79-119	1	0-7	
Toluene	92	91	78-114	72-120	1	0-7	
Ethylbenzene	98	99	80-120	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	101	96	77-125	69-133	5	0-11	
Tert-Butyl Alcohol (TBA)	98	98	47-137	32-152	0	0-27	
Diisopropyl Ether (DIPE)	98	102	76-130	67-139	4	0-8	
Ethyl-t-Butyl Ether (ETBE)	95	99	76-124	68-132	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	100	99	82-118	76-124	1	0-11	
Ethanol	89	99	59-131	47-143	11	0-21	
1,1-Dichloroethene	94	98	73-121	65-129	3	0-12	
1,2-Dibromoethane	98	98	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	94	97	79-115	73-121	3	0-8	
Carbon Tetrachloride	113	118	66-132	55-143	4	0-12	
Chlorobenzene	98	98	87-111	83-115	0	0-7	
Trichloroethene	95	93	84-114	79-119	3	0-8	
Vinyl Chloride	104	105	63-129	52-140	2	0-15	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-08-2176

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	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.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
I	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ND	Parameter not detected at the indicated reporting limit.
Q	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.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Cecile de Guia

From: Paula Sime [psime@ERI-US.com]
Sent: August 28, 2009 16:30
To: Cecile de Guia
Subject: RE: Oakland Soil Samples

THANK YOU Cecile. Yes, the TAT for the samples for last week will be OK to receive all of the by COB on 9/4. The surcharge will be acceptable. I really appreciate your help. Paula

Paula Sime
Sr. Project Manager
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954
psime@eri-us.com
www.eri-us.com
707-766-2026-Office
707-338-8012-Cell
707-789-0414-Fax

From: Cecile de Guia [mailto:CdeGuia@calscience.com]
Sent: Friday, August 28, 2009 4:26 PM
To: Paula Sime
Cc: Alan Kemp
Subject: RE: Oakland Soil Samples
Importance: High

Hi Paula,

I checked the lab and they could do a 72 hrs TAT for WO#: 09-08-2175, 09-08-2176, 09-08-2177, and 09-08-2296. The samples were received yesterday and today. Then, these reports will be due on 09/02/09.

For samples that we received last week, I would like to keep the TAT since the reports are schedule to go out on 09/2 and 09/04.

There will be a surcharge of 25% for 72 HRS TAT. Please confirm if you agree with 72 HRS TAT for the four WO#s mentioned above.

Thank you.

Cecile de Guia
Project Manager
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way

Garden Grove, CA 92841-1427
Phone: 714-895-5494 x221
Fax: 714-894-7501
CdeGuia@calscience.com

The difference is service

From: Paula Sime [mailto:psime@ERI-US.com]
Sent: August 28, 2009 15:25
To: Cecile de Guia; Alan Kemp
Subject: Oakland Soil Samples

Cecile:

It has come to my attention that the report for the drilling we just completed at site 73006 (720 High Street, Oakland) is due by the end of September. This means we will need the analytical results way sooner than the standard TAT. I apologize in advance for asking this, but can we get those as soon as you can get them to us? I don't know what your schedule will accomodate right now but every day helps. Please let me know when we can expect to receive the results.

Also, apparently we did not collect a stockpile sample when we were on site for drilling. We will collect one this coming Tuesday, which will need to be put on 24-hour TAT (analyzed for TPHg, TPHd, BTEX, oxys, and HVOCs 8010 list by 8260). Is there any way that Alan can pick that sample up at the site? Our geologist will be staying in Oakland for the entire week and not returning to the office so it would be the quickest way to get that sample to you.

I'll give you a call in a bit to discuss. Thank you in advance for any help you can offer.

Paula

Paula Sime
Sr. Project Manager
Environmental Resolutions, Inc.
601 North McDowell Blvd.
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psime@eri-us.com
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707-766-2026-Office
707-338-8012-Cell
707-789-0414-Fax

CHAIN OF CUSTODY RECORD

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

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Blvd.
City/State/Zip: Petaluma, California 94954
Project Manager: Paula Sime
Telephone Number: (707) 766-2000
ERI Job Number: 201003X
Sampler Name: (Print) Heidi Dieffenbach-Carle
Sampler Signature: Heidi Dieffenbach-Carle

2176

ExxonMobil Engineer: Jennifer Sedlachek
Telephone Number: (510) 547-8196
Account #:
PO #: 4510812003
Facility ID #: 73006
Global ID#: T0600100552
Site Address: 720 High Street
City, State Zip: Oakland, California 94601

TAT
- ☐ 24 hour ☐ 72 hour
- ☐ 48 hour ☐ 96 hour
- ☑ 8 day

PROVIDE: EDF Report

Special Instructions:
7 CA Oxys = TBA, ETBE, TAME, EDB, 1,2-DCA, DIPE, MTBE.
Set TBA detection limit at or below 12 ug/L.
Use silica gel cleanup on all TPHd analyses.
Use MW# as Field Pt Name

	Sample ID / Description	DATE	TIME	COMP	GRAB	Preserve	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHd 8015B	TPHg 8015B	BTEX 8260B	7 CA Oxys 8260B	Ethanol 8260B
	S-Depth-MW#					ICE	1		X		X	X	X	X	X
1	S-2.7.0-MW18B	08-25-09	1515			ICE	1		X		X	X	X	X	X
2	S-29.0-MW18B	"	1525			"	1		X		X	X	X	X	X
3	S-30.5-MW18B	"	1530			"	1		X		X	X	X	X	X
4	S-23.0-MW17B	"	1130			"	1		X		X	X	X	X	X

Relinquished by: Heidi Dieffenbach-Carle Date 8-25-09 Time 1900
Received by: Tom Malley CEL Time 1200 8/26/09

Relinquished by: CEL Date 8-26-09 Time 1730
Received by: [signature] Time 1000 8/27/09

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

5125226 11

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-08-2176

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ERI

DATE: 8/27/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

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

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

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

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

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** JP

CUSTODY SEALS INTACT:

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

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

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.			
☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

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

Air: ☐Tedlar® ☐Summa® ☐_____ **Other:** ☐_____ **Checked/Labeled by:** ZWM

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

Preservative: h: HCL n: HNO3 na_2:$Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** ZWM

Calscience
Environmental
Laboratories, Inc.

September 02, 2009

RECEIVED
SEP 08 2009
BY:

Paula Sime
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Subject: **Calscience Work Order No.: 09-08-2177**
Client Reference: ExxonMobil 73006

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 08/27/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Cecile L deGuia

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2177
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW16A	**09-08-2177-1-A**	**08/24/09 07:25**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 21:16**	**090828B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	90	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12.5-MW16A	**09-08-2177-2-A**	**08/24/09 07:45**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 21:34**	**090828B02**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	94	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW16B	**09-08-2177-3-A**	**08/24/09 10:10**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 21:52**	**090828B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	5.6	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	105	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2177
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-275-2,915**	**N/A**	**Solid**	**GC 27**	**08/28/09**	**08/28/09 15:53**	**090828B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	83	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2177
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW16A	**09-08-2177-1-A**	**08/24/09 07:25**	**Solid**	**GC 11**	**08/28/09**	**08/28/09 21:51**	**090828B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1200	40	80		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	117	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12.5-MW16A	**09-08-2177-2-A**	**08/24/09 07:45**	**Solid**	**GC 11**	**08/28/09**	**08/28/09 19:03**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	2.3	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	84	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW16B	**09-08-2177-3-A**	**08/24/09 10:10**	**Solid**	**GC 11**	**08/28/09**	**08/29/09 04:03**	**090828B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	130	50	100		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	74	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,101**	**N/A**	**Solid**	**GC 11**	**08/28/09**	**08/28/09 13:26**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	62	42-126			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.	Date Received:	08/27/09
601 North McDowell Blvd.	Work Order No:	09-08-2177
Petaluma, CA 94954-2312	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,103**	**N/A**	**Solid**	**GC 11**	**08/28/09**	**08/28/09 15:07**	**090828B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	4.0	8		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	70	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2177
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW16A	**09-08-2177-1-A**	**08/24/09 07:25**	**Solid**	**GC/MS UU**	**09/01/09**	**09/01/09 15:00**	**090901L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.0	400		Diisopropyl Ether (DIPE)	ND	4.0	400	
Toluene	ND	2.0	400		Ethyl-t-Butyl Ether (ETBE)	ND	4.0	400	
Ethylbenzene	16	2.0	400		Tert-Amyl-Methyl Ether (TAME)	ND	4.0	400	
Xylenes (total)	3.3	2.0	400		Ethanol	ND	100	400	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	400		1,2-Dibromoethane	ND	2.0	400	
Tert-Butyl Alcohol (TBA)	ND	20	400		1,2-Dichloroethane	ND	2.0	400	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	104	73-145			1,4-Bromofluorobenzene	100	71-113		
Dibromofluoromethane	91	73-139			Toluene-d8	101	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12.5-MW16A	**09-08-2177-2-A**	**08/24/09 07:45**	**Solid**	**GC/MS UU**	**09/01/09**	**09/01/09 14:06**	**090901L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	115	73-145			1,4-Bromofluorobenzene	95	71-113		
Dibromofluoromethane	102	73-139			Toluene-d8	99	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW16B	**09-08-2177-3-A**	**08/24/09 10:10**	**Solid**	**GC/MS UU**	**09/01/09**	**09/01/09 14:33**	**090901L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Toluene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Ethylbenzene	1.9	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Xylenes (total)	1.0	0.50	100		Ethanol	ND	25	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100		1,2-Dibromoethane	ND	0.50	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	100		1,2-Dichloroethane	ND	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	105	73-145			1,4-Bromofluorobenzene	96	71-113		
Dibromofluoromethane	93	73-139			Toluene-d8	101	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2177
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-256**	**N/A**	**Solid**	**GC/MS UU**	**09/01/09**	**09/01/09 13:12**	**090901L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	111	73-145			1,4-Bromofluorobenzene	95	71-113		
Dibromofluoromethane	98	73-139			Toluene-d8	100	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-257**	**N/A**	**Solid**	**GC/MS UU**	**09/01/09**	**09/01/09 13:39**	**090901L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Toluene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Ethylbenzene	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Xylenes (total)	ND	0.50	100		Ethanol	ND	25	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100		1,2-Dibromoethane	ND	0.50	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	100		1,2-Dichloroethane	ND	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	105	73-145			1,4-Bromofluorobenzene	94	71-113		
Dibromofluoromethane	86	73-139			Toluene-d8	97	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2177
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-2175-1	**Solid**	**GC 27**	**08/28/09**	**08/28/09**	**090828S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	89	81	64-130	10	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.	Date Received:	08/27/09
601 North McDowell Blvd.	Work Order No:	09-08-2177
Petaluma, CA 94954-2312	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-2264-2	**Solid**	**GC 11**	**08/28/09**	**08/28/09**	**090828S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	97	94	48-114	3	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/27/09
Work Order No: 09-08-2177
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-12.5-MW16A	Solid	GC/MS UU	09/01/09	09/01/09	090901S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	98	79-115	2	0-13	
Toluene	93	92	79-115	1	0-15	
Ethylbenzene	105	104	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	104	97	68-128	7	0-14	
Tert-Butyl Alcohol (TBA)	115	89	44-134	25	0-37	
Diisopropyl Ether (DIPE)	100	101	75-123	1	0-12	
Ethyl-t-Butyl Ether (ETBE)	95	98	75-117	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	97	79-115	0	0-12	
Ethanol	90	109	42-138	19	0-28	
1,1-Dichloroethene	95	96	69-123	1	0-16	
1,2-Dibromoethane	100	105	70-130	5	0-30	
1,2-Dichlorobenzene	96	94	63-123	2	0-23	
Carbon Tetrachloride	110	115	55-139	5	0-15	
Chlorobenzene	102	101	79-115	1	0-17	
Trichloroethene	97	96	66-144	1	0-14	
Vinyl Chloride	113	112	60-126	1	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	09-08-2177
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-2,915	**Solid**	**GC 27**	**08/28/09**	**08/28/09**	**090828B02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	99	101	75-123	1	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.	Date Received:	N/A
601 North McDowell Blvd.	Work Order No:	09-08-2177
Petaluma, CA 94954-2312	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,103	**Solid**	**GC 11**	**08/28/09**	**08/28/09**	**090828B02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	91	92	70-124	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.	Date Received:	N/A
601 North McDowell Blvd.	Work Order No:	09-08-2177
Petaluma, CA 94954-2312	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,101	Solid	GC 11	08/28/09	08/28/09	090828B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	91	92	70-124	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-2177
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-256	Solid	GC/MS UU	09/01/09	09/01/09	090901L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	94	96	84-114	79-119	2	0-7	
Toluene	90	91	78-114	72-120	1	0-7	
Ethylbenzene	100	95	80-120	73-127	5	0-20	
Methyl-t-Butyl Ether (MTBE)	102	101	77-125	69-133	1	0-11	
Tert-Butyl Alcohol (TBA)	93	95	47-137	32-152	2	0-27	
Diisopropyl Ether (DIPE)	98	100	76-130	67-139	2	0-8	
Ethyl-t-Butyl Ether (ETBE)	96	100	76-124	68-132	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	99	82-118	76-124	2	0-11	
Ethanol	86	81	59-131	47-143	5	0-21	
1,1-Dichloroethene	93	91	73-121	65-129	1	0-12	
1,2-Dibromoethane	102	99	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	98	94	79-115	73-121	4	0-8	
Carbon Tetrachloride	113	113	66-132	55-143	0	0-12	
Chlorobenzene	100	96	87-111	83-115	4	0-7	
Trichloroethene	92	92	84-114	79-119	1	0-8	
Vinyl Chloride	101	102	63-129	52-140	1	0-15	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-2177
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-257	**Solid**	**GC/MS UU**	**09/01/09**	**09/01/09**	**090901L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	94	96	84-114	79-119	2	0-7	
Toluene	90	91	78-114	72-120	1	0-7	
Ethylbenzene	100	95	80-120	73-127	5	0-20	
Methyl-t-Butyl Ether (MTBE)	102	101	77-125	69-133	1	0-11	
Tert-Butyl Alcohol (TBA)	93	95	47-137	32-152	2	0-27	
Diisopropyl Ether (DIPE)	98	100	76-130	67-139	2	0-8	
Ethyl-t-Butyl Ether (ETBE)	96	100	76-124	68-132	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	99	82-118	76-124	2	0-11	
Ethanol	86	81	59-131	47-143	5	0-21	
1,1-Dichloroethene	93	91	73-121	65-129	1	0-12	
1,2-Dibromoethane	102	99	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	98	94	79-115	73-121	4	0-8	
Carbon Tetrachloride	113	113	66-132	55-143	0	0-12	
Chlorobenzene	100	96	87-111	83-115	4	0-7	
Trichloroethene	92	92	84-114	79-119	1	0-8	
Vinyl Chloride	101	102	63-129	52-140	1	0-15	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

ACCREDITED IN ACCORDANCE WITH nelac

Work Order Number: 09-08-2177

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	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.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
I	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ND	Parameter not detected at the indicated reporting limit.
Q	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.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Cecile de Guia

From: Paula Sime [psime@ERI-US.com]
Sent: August 28, 2009 16:30
To: Cecile de Guia
Subject: RE: Oakland Soil Samples

THANK YOU Cecile. Yes, the TAT for the samples for last week will be OK to receive all of the by COB on 9/4. The surcharge will be acceptable. I really appreciate your help. Paula

Paula Sime
Sr. Project Manager
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954
psime@eri-us.com
www.eri-us.com
707-766-2026-Office
707-338-8012-Cell
707-789-0414-Fax

From: Cecile de Guia [mailto:CdeGuia@calscience.com]
Sent: Friday, August 28, 2009 4:26 PM
To: Paula Sime
Cc: Alan Kemp
Subject: RE: Oakland Soil Samples
Importance: High

Hi Paula,

I checked the lab and they could do a 72 hrs TAT for WO#: 09-08-2175, 09-08-2176, 09-08-2177, and 09-08-2296. The samples were received yesterday and today. Then, these reports will be due on 09/02/09.

For samples that we received last week, I would like to keep the TAT since the reports are schedule to go out on 09/2 and 09/04.

There will be a surcharge of 25% for 72 HRS TAT. Please confirm if you agree with 72 HRS TAT for the four WO#s mentioned above.

Thank you.

Cecile de Guia
Project Manager
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way

Garden Grove, CA 92841-1427
Phone: 714-895-5494 x221
Fax: 714-894-7501
CdeGuia@calscience.com

The difference is service

From: Paula Sime [mailto:psime@ERI-US.com]
Sent: August 28, 2009 15:25
To: Cecile de Guia; Alan Kemp
Subject: Oakland Soil Samples

Cecile:

It has come to my attention that the report for the drilling we just completed at site 73006 (720 High Street, Oakland) is due by the end of September. This means we will need the analytical results way sooner than the standard TAT. I apologize in advance for asking this, but can we get those as soon as you can get them to us? I don't know what your schedule will accomodate right now but every day helps. Please let me know when we can expect to receive the results.

Also, apparently we did not collect a stockpile sample when we were on site for drilling. We will collect one this coming Tuesday, which will need to be put on 24-hour TAT (analyzed for TPHg, TPHd, BTEX, oxys, and HVOCs 8010 list by 8260). Is there any way that Alan can pick that sample up at the site? Our geologist will be staying in Oakland for the entire week and not returning to the office so it would be the quickest way to get that sample to you.

I'll give you a call in a bit to discuss. Thank you in advance for any help you can offer.

Paula

Paula Sime
Sr. Project Manager
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954
psime@eri-us.com
www.eri-us.com
707-766-2026-Office
707-338-8012-Cell
707-789-0414-Fax

CHAIN OF CUSTODY RECORD

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

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Blvd.
City/State/Zip: Petaluma, California 94954
Project Manager: Paula Sime
Telephone Number: (707) 766-2000
ERI Job Number: 201003X
Sampler Name: (Print)
Sampler Signature:

2177

ExxonMobil Engineer: Jennifer Sedlachek
Telephone Number: (510) 547-8196
Account #:
PO #: 4510812003
Facility ID #: 73006
Global ID#: T0600100552
Site Address: 720 High Street
City, State Zip: Oakland, California 94601

TAT
- ☐ 24 hour ☐ 72 hour
- ☐ 48 hour ☐ 96 hour
- ☑ 8 day

PROVIDE: EDF Report

Special Instructions:
7 CA Oxys = TBA, ETBE, TAME, EDB, 1,2-DCA, DIPE, MTBE.
Set TBA detection limit at or below 12 ug/L.
Use silica gel cleanup on all TPHd analyses.
Use MW# as Field Pt Name

	Sample ID / Description	DATE	TIME	COMP	GRAB	Preserve	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHd 8015B	TPHg 8015B	BTEX 8260B	7 CA Oxys 8260B	Ethanol 8260B
	S-Depth-MW#					ICE	1		X		X	X	X	X	X
1	S-10.5-MW16A	8-24-09	0725			Ice	1		X		X	X	X	X	X
2	S-12.5-MW16A	8-24-09	0745			Ice	1		X		X	X	X	X	X
3	S-10.5-MW16B	8-24-09	1010			Ice	1		X		X	X	X	X	X

Relinquished by: Heidi Duffelmeier Date 8-24-09 Time 1515
Received by: Tom Talley CSC 8/26/09 Time 1200

Relinquished by: [signature] Date 8-26-09 Time 1730
Received by: [signature] 8/27/09 Time 1000

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

5125 22611

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-08-2177

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: _____ DATE: 8/27/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

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

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

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

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

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** JP

CUSTODY SEALS INTACT:

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

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

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.			
☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☐	☑	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

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

Air: ☐Tedlar® ☐Summa® ☐_____ **Other:** ☐_____ **Checked/Labeled by:** ZWM

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

Preservative: h: HCL n: HNO3 na_2: $Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** ZWM

Calscience
Environmental
Laboratories, Inc.

September 03, 2009

Paula Sime
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Subject: **Calscience Work Order No.: 09-08-1939**
Client Reference: ExxonMobil 73006

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 08/22/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Cecile L deGuia

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received: 08/22/09
601 North McDowell Blvd.	Work Order No: 09-08-1939
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project: ExxonMobil 73006 — Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.0-MW16B	**09-08-1939-1-A**	**08/20/09 07:20**	**Solid**	**GC 47**	**08/25/09**	**08/25/09 17:29**	**090825B01**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	133	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.0-MW16A	**09-08-1939-2-A**	**08/20/09 07:55**	**Solid**	**GC 47**	**08/25/09**	**08/25/09 17:44**	**090825B01**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	135	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.0-MW17A	**09-08-1939-3-A**	**08/20/09 14:05**	**Solid**	**GC 47**	**08/25/09**	**08/25/09 18:00**	**090825B01**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	128	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-275-2,909**	**N/A**	**Solid**	**GC 47**	**08/25/09**	**08/25/09 12:27**	**090825B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	112	61-145			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received: 08/22/09
601 North McDowell Blvd.	Work Order No: 09-08-1939
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.0-MW16B	**09-08-1939-1-A**	**08/20/09 07:20**	**Solid**	**GC 4**	**08/25/09**	**08/26/09 02:25**	**090825B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	3.6	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	105	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.0-MW16A	**09-08-1939-2-A**	**08/20/09 07:55**	**Solid**	**GC 4**	**08/25/09**	**08/26/09 02:58**	**090825B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	0.67	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	108	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.0-MW17A	**09-08-1939-3-A**	**08/20/09 14:05**	**Solid**	**GC 4**	**08/25/09**	**08/26/09 01:20**	**090825B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	87	42-126			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received: 08/22/09
601 North McDowell Blvd.	Work Order No: 09-08-1939
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,091**	**N/A**	**Solid**	**GC 4**	**08/25/09**	**08/25/09 12:03**	**090825B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	66	42-126			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/22/09
Work Order No: 09-08-1939
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.0-MW16B	**09-08-1939-1-A**	**08/20/09 07:20**	**Solid**	**GC/MS UU**	**08/27/09**	**08/27/09 14:01**	**090827L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	117	73-145			1,4-Bromofluorobenzene	103	71-113		
Dibromofluoromethane	98	73-139			Toluene-d8	104	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.0-MW16A	**09-08-1939-2-A**	**08/20/09 07:55**	**Solid**	**GC/MS UU**	**08/27/09**	**08/27/09 17:38**	**090827L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	107	73-145			1,4-Bromofluorobenzene	105	71-113		
Dibromofluoromethane	98	73-139			Toluene-d8	102	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.0-MW17A	**09-08-1939-3-A**	**08/20/09 14:05**	**Solid**	**GC/MS UU**	**08/27/09**	**08/27/09 18:05**	**090827L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	115	73-145			1,4-Bromofluorobenzene	97	71-113		
Dibromofluoromethane	95	73-139			Toluene-d8	100	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received: 08/22/09
601 North McDowell Blvd.	Work Order No: 09-08-1939
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8260B
	Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-243**	**N/A**	**Solid**	**GC/MS UU**	**08/27/09**	**08/27/09 13:07**	**090827L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	110	73-145			1,4-Bromofluorobenzene	98	71-113		
Dibromofluoromethane	96	73-139			Toluene-d8	99	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received: 08/22/09
601 North McDowell Blvd.	Work Order No: 09-08-1939
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-1828-4	**Solid**	**GC 47**	**08/25/09**	**08/25/09**	**090825S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	89	89	64-130	0	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received: 08/22/09
601 North McDowell Blvd.	Work Order No: 09-08-1939
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-1864-1	**Solid**	**GC 4**	**08/25/09**	**08/25/09**	**090825S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	101	99	48-114	2	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received: 08/22/09
601 North McDowell Blvd.	Work Order No: 09-08-1939
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8260B

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-5.0-MW16B	**Solid**	**GC/MS UU**	**08/27/09**	**08/27/09**	**090827S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	99	79-115	0	0-13	
Toluene	95	94	79-115	1	0-15	
Ethylbenzene	102	102	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	97	94	68-128	2	0-14	
Tert-Butyl Alcohol (TBA)	120	94	44-134	24	0-37	
Diisopropyl Ether (DIPE)	99	99	75-123	0	0-12	
Ethyl-t-Butyl Ether (ETBE)	95	96	75-117	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	99	79-115	2	0-12	
Ethanol	110	99	42-138	11	0-28	
1,1-Dichloroethene	99	99	69-123	1	0-16	
1,2-Dibromoethane	97	99	70-130	2	0-30	
1,2-Dichlorobenzene	100	98	63-123	2	0-23	
Carbon Tetrachloride	113	113	55-139	0	0-15	
Chlorobenzene	102	100	79-115	2	0-17	
Trichloroethene	97	96	66-144	1	0-14	
Vinyl Chloride	109	112	60-126	2	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.	Date Received: N/A
601 North McDowell Blvd.	Work Order No: 09-08-1939
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-2,909	**Solid**	**GC 47**	**08/25/09**	**08/25/09**	**090825B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	93	93	75-123	0	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.	Date Received: N/A
601 North McDowell Blvd.	Work Order No: 09-08-1939
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,091	Solid	GC 4	08/25/09	08/25/09	090825B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	93	95	70-124	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-1939
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-243	**Solid**	**GC/MS UU**	**08/27/09**	**08/27/09**	**090827L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	97	98	84-114	79-119	1	0-7	
Toluene	92	92	78-114	72-120	1	0-7	
Ethylbenzene	100	99	80-120	73-127	2	0-20	
Methyl-t-Butyl Ether (MTBE)	101	100	77-125	69-133	1	0-11	
Tert-Butyl Alcohol (TBA)	91	94	47-137	32-152	3	0-27	
Diisopropyl Ether (DIPE)	101	100	76-130	67-139	1	0-8	
Ethyl-t-Butyl Ether (ETBE)	97	97	76-124	68-132	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	98	100	82-118	76-124	2	0-11	
Ethanol	83	97	59-131	47-143	15	0-21	
1,1-Dichloroethene	100	96	73-121	65-129	3	0-12	
1,2-Dibromoethane	101	99	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	99	94	79-115	73-121	6	0-8	
Carbon Tetrachloride	113	112	66-132	55-143	1	0-12	
Chlorobenzene	99	99	87-111	83-115	0	0-7	
Trichloroethene	96	96	84-114	79-119	0	0-8	
Vinyl Chloride	107	103	63-129	52-140	3	0-15	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-08-1939

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	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.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
I	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ND	Parameter not detected at the indicated reporting limit.
Q	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.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

CHAIN OF CUSTODY RECORD

(1939)

Page 1 of 1

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

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Blvd.
City/State/Zip: Petaluma, California 94954
Project Manager: Paula Sime
Telephone Number: (707) 766-2000
ERI Job Number: 201003X
Sampler Name: (Print) Heidi Dieffenbach-Earle
Sampler Signature: Heidi Dieffenbach Earle

ExxonMobil Engineer: Jennifer Sedlachek
Telephone Number: (510) 547-8196
Account #:
PO #: 4510812003
Facility ID #: 73006
Global ID#: T0600100552
Site Address: 720 High Street
City, State Zip: Oakland, California 94601

TAT
- [ ] 24 hour
- [ ] 72 hour
- [ ] 48 hour
- [ ] 96 hour
- [x] 8 day

PROVIDE:
EDF Report

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

Use MW# as Field Pt Name

Sample ID / Description	DATE	TIME	COMP	GRAB	Preserve	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHd 8015B	TPHg 8015B	BTEX 8260B	7 CA Oxys 8260B	Ethanol 8260B
S-Depth-MW#					ICE	1		X		X	X	X	X	X
1) S-5.0-MW16B	8-20-09	0720			ICE	1		X		X	X	X	X	X
2) S-5.0-MW16A	8-20-09	0755			ICE	1		X		X	X	X	X	X
3) S-5.0-MW17A	8-20-09	1405			ICE	1		X		X	X	X	X	X

Relinquished by: Heidi Dieffenbach Earle Date 8/20/09 Time 1730 Received by: Tracy Light Time 1730

Relinquished by: Tracy Light Date 8/21/09 Time 0630 Received by: Tom O'Malley CEL Time 1140

5124436
GSO

8/22/09
10:00

8/21/09

(CEL) 8/22/09 1000

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-08-1 9 3 9

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ERI

DATE: 08/22/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.8 °C - 0.2 °C (CF) = 3.6 °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 ☐ Metals Only ☐ PCBs Only **Initial:**

CUSTODY SEALS INTACT:

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

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

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.			
☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Water: ☐VOA ☐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 ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____ **Other:** ☐_____ **Checked/Labeled by:** WSC

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

Preservative: h: HCL n: HNO3 na$_2$: $Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WSC

Calscience
Environmental
Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

September 02, 2009

RECEIVED
SEP 03 2009
BY:----------

Paula Sime
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Subject: **Calscience Work Order No.: 09-08-2296**
Client Reference: ExxonMobil 73006

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/28/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/28/09
Work Order No: 09-08-2296
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW19B	**09-08-2296-1-A**	**08/26/09 08:00**	**Solid**	**GC 47**	**08/31/09**	**08/31/09 16:51**	**090831B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	132	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-16.0-MW19B	**09-08-2296-2-A**	**08/26/09 08:10**	**Solid**	**GC 47**	**08/31/09**	**08/31/09 17:07**	**090831B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	132	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20.5-MW19B	**09-08-2296-3-A**	**08/26/09 08:20**	**Solid**	**GC 47**	**08/31/09**	**08/31/09 17:23**	**090831B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	134	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22.5-MW19B	**09-08-2296-4-A**	**08/26/09 08:30**	**Solid**	**GC 47**	**08/31/09**	**08/31/09 17:39**	**090831B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	128	61-145			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/28/09
Work Order No: 09-08-2296
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-24.5-MW19B	**09-08-2296-5-A**	**08/26/09 08:40**	**Solid**	**GC 47**	**08/31/09**	**08/31/09 17:55**	**090831B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	137	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW19A	**09-08-2296-6-A**	**08/26/09 10:45**	**Solid**	**GC 47**	**08/31/09**	**08/31/09 18:11**	**090831B03**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	110	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	141	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12.5-MW19A	**09-08-2296-7-A**	**08/26/09 11:20**	**Solid**	**GC 47**	**08/31/09**	**08/31/09 18:27**	**090831B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	132	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/28/09
Work Order No: 09-08-2296
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW18A	**09-08-2296-8-A**	**08/26/09 14:35**	**Solid**	**GC 47**	**08/31/09**	**08/31/09 18:43**	**090831B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	131	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12.5-MW18A	**09-08-2296-9-A**	**08/26/09 14:45**	**Solid**	**GC 47**	**08/31/09**	**08/31/09 18:58**	**090831B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	14	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	131	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-275-2,916**	**N/A**	**Solid**	**GC 47**	**08/31/09**	**08/31/09 15:31**	**090831B03**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	141	61-145			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/28/09
Work Order No: 09-08-2296
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW19B	**09-08-2296-1-A**	**08/26/09 08:00**	**Solid**	**GC 4**	**08/28/09**	**08/29/09 08:41**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	36	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	141	42-126		2	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-16.0-MW19B	**09-08-2296-2-A**	**08/26/09 08:10**	**Solid**	**GC 4**	**08/28/09**	**08/29/09 09:14**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	0.55	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	103	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20.5-MW19B	**09-08-2296-3-A**	**08/26/09 08:20**	**Solid**	**GC 4**	**08/28/09**	**08/29/09 09:47**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	94	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22.5-MW19B	**09-08-2296-4-A**	**08/26/09 08:30**	**Solid**	**GC 4**	**08/28/09**	**08/29/09 10:20**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	89	42-126			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/28/09
Work Order No: 09-08-2296
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-24.5-MW19B	**09-08-2296-5-A**	**08/26/09 08:40**	**Solid**	**GC 4**	**08/28/09**	**08/29/09 10:53**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	91	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW19A	**09-08-2296-6-A**	**08/26/09 10:45**	**Solid**	**GC 4**	**08/31/09**	**08/31/09 18:39**	**090831B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1900	50	100		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	98	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12.5-MW19A	**09-08-2296-7-A**	**08/26/09 11:20**	**Solid**	**GC 4**	**08/31/09**	**08/31/09 17:33**	**090831B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	98	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW18A	**09-08-2296-8-A**	**08/26/09 14:35**	**Solid**	**GC 4**	**08/28/09**	**08/29/09 12:32**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	92	42-126			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/28/09
Work Order No: 09-08-2296
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12.5-MW18A	**09-08-2296-9-A**	**08/26/09 14:45**	**Solid**	**GC 4**	**08/28/09**	**08/29/09 13:05**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1.8	0.50	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene - FID	109	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,106**	**N/A**	**Solid**	**GC 4**	**08/28/09**	**08/28/09 23:54**	**090828B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene - FID	65	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,109**	**N/A**	**Solid**	**GC 4**	**08/31/09**	**08/31/09 10:39**	**090831B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene - FID	84	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,110**	**N/A**	**Solid**	**GC 4**	**08/31/09**	**08/31/09 12:37**	**090831B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	4.0	8		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene - FID	75	42-126			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/28/09
Work Order No: 09-08-2296
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW19B	**09-08-2296-1-A**	**08/26/09 08:00**	**Solid**	**GC/MS Z**	**08/28/09**	**08/29/09 00:55**	**090828L02**

Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Toluene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Ethylbenzene	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Xylenes (total)	ND	0.50	100		Ethanol	ND	25	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100		1,2-Dibromoethane	ND	0.50	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	100		1,2-Dichloroethane	ND	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	89	73-145			1,4-Bromofluorobenzene	95	71-113		
Dibromofluoromethane	93	73-139			Toluene-d8	101	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-16.0-MW19B	**09-08-2296-2-A**	**08/26/09 08:10**	**Solid**	**GC/MS Z**	**08/28/09**	**08/29/09 01:22**	**090828L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	93	73-145			1,4-Bromofluorobenzene	93	71-113		
Dibromofluoromethane	104	73-139			Toluene-d8	100	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20.5-MW19B	**09-08-2296-3-A**	**08/26/09 08:20**	**Solid**	**GC/MS Z**	**08/28/09**	**08/29/09 01:50**	**090828L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	96	73-145			1,4-Bromofluorobenzene	90	71-113		
Dibromofluoromethane	103	73-139			Toluene-d8	100	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/28/09
Work Order No: 09-08-2296
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22.5-MW19B	**09-08-2296-4-A**	**08/26/09 08:30**	**Solid**	**GC/MS Z**	**08/28/09**	**08/29/09 03:40**	**090828L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	93	73-145			1,4-Bromofluorobenzene	90	71-113		
Dibromofluoromethane	103	73-139			Toluene-d8	99	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-24.5-MW19B	**09-08-2296-5-A**	**08/26/09 08:40**	**Solid**	**GC/MS Z**	**08/28/09**	**08/29/09 04:08**	**090828L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	96	73-145			1,4-Bromofluorobenzene	91	71-113		
Dibromofluoromethane	107	73-139			Toluene-d8	101	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW19A	**09-08-2296-6-A**	**08/26/09 10:45**	**Solid**	**GC/MS Z**	**08/28/09**	**08/29/09 04:36**	**090828L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Toluene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Ethylbenzene	19	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Xylenes (total)	20	0.50	100		Ethanol	ND	25	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100		1,2-Dibromoethane	ND	0.50	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	100		1,2-Dichloroethane	ND	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	85	73-145			1,4-Bromofluorobenzene	103	71-113		
Dibromofluoromethane	99	73-139			Toluene-d8	102	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/28/09
Work Order No: 09-08-2296
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12.5-MW19A	**09-08-2296-7-A**	**08/26/09 11:20**	**Solid**	**GC/MS Z**	**08/28/09**	**08/29/09 05:03**	**090828L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	90	73-145			1,4-Bromofluorobenzene	97	71-113		
Dibromofluoromethane	102	73-139			Toluene-d8	99	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW18A	**09-08-2296-8-A**	**08/26/09 14:35**	**Solid**	**GC/MS Z**	**08/28/09**	**08/29/09 05:31**	**090828L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	91	73-145			1,4-Bromofluorobenzene	92	71-113		
Dibromofluoromethane	99	73-139			Toluene-d8	99	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12.5-MW18A	**09-08-2296-9-A**	**08/26/09 14:45**	**Solid**	**GC/MS JJ**	**08/29/09**	**08/30/09 01:05**	**090829L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	114	73-145			1,4-Bromofluorobenzene	103	71-113		
Dibromofluoromethane	124	73-139			Toluene-d8	101	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/28/09
Work Order No: 09-08-2296
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-247**	**N/A**	**Solid**	**GC/MS Z**	**08/28/09**	**08/29/09 00:27**	**090828L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	91	73-145			1,4-Bromofluorobenzene	86	71-113		
Dibromofluoromethane	102	73-139			Toluene-d8	98	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-248**	**N/A**	**Solid**	**GC/MS Z**	**08/28/09**	**08/29/09 00:00**	**090828L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Toluene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Ethylbenzene	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Xylenes (total)	ND	0.50	100		Ethanol	ND	25	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100		1,2-Dibromoethane	ND	0.50	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	100		1,2-Dichloroethane	ND	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	88	73-145			1,4-Bromofluorobenzene	88	71-113		
Dibromofluoromethane	101	73-139			Toluene-d8	97	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-254**	**N/A**	**Solid**	**GC/MS JJ**	**08/29/09**	**08/29/09 20:34**	**090829L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	117	73-145			1,4-Bromofluorobenzene	81	71-113		
Dibromofluoromethane	119	73-139			Toluene-d8	95	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/28/09
Work Order No: 09-08-2296
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-255**	**N/A**	**Solid**	**GC/MS JJ**	**08/29/09**	**08/29/09 20:03**	**090829L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Toluene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Ethylbenzene	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Xylenes (total)	ND	0.50	100		Ethanol	ND	25	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100		1,2-Dibromoethane	ND	0.50	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	100		1,2-Dichloroethane	ND	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	119	73-145			1,4-Bromofluorobenzene	82	71-113		
Dibromofluoromethane	124	73-139			Toluene-d8	96	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.		Date Received:	08/28/09
601 North McDowell Blvd.		Work Order No:	09-08-2296
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-16.0-MW19B	**Solid**	**GC 47**	**08/31/09**	**08/31/09**	**090831S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	91	95	64-130	4	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/28/09
Work Order No: 09-08-2296
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-2180-1	**Solid**	**GC 4**	**08/28/09**	**08/29/09**	**090828S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	81	73	48-114	11	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.		Date Received:	08/28/09
601 North McDowell Blvd.		Work Order No:	09-08-2296
Petaluma, CA 94954-2312		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-2422-4	Solid	GC 4	08/31/09	08/31/09	090831S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	124	100	48-114	21	0-23	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/28/09
Work Order No: 09-08-2296
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-20.5-MW19B	Solid	GC/MS Z	08/28/09	08/29/09	090828S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	92	79-115	2	0-13	
Toluene	91	90	79-115	1	0-15	
Ethylbenzene	90	88	70-130	3	0-30	
Methyl-t-Butyl Ether (MTBE)	72	73	68-128	1	0-14	
Tert-Butyl Alcohol (TBA)	75	76	44-134	1	0-37	
Diisopropyl Ether (DIPE)	92	93	75-123	1	0-12	
Ethyl-t-Butyl Ether (ETBE)	73	72	75-117	1	0-12	3
Tert-Amyl-Methyl Ether (TAME)	71	71	79-115	1	0-12	3
Ethanol	102	111	42-138	9	0-28	
1,1-Dichloroethene	80	79	69-123	1	0-16	
1,2-Dibromoethane	87	89	70-130	2	0-30	
1,2-Dichlorobenzene	81	81	63-123	0	0-23	
Carbon Tetrachloride	79	80	55-139	1	0-15	
Chlorobenzene	90	88	79-115	2	0-17	
Trichloroethene	91	89	66-144	3	0-14	
Vinyl Chloride	96	95	60-126	0	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.	Date Received:	08/28/09
601 North McDowell Blvd.	Work Order No:	09-08-2296
Petaluma, CA 94954-2312	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-2358-3	**Solid**	**GC/MS JJ**	**08/29/09**	**08/29/09**	**090829S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	84	82	79-115	3	0-13	
Carbon Tetrachloride	99	91	55-139	9	0-15	
Chlorobenzene	88	86	79-115	3	0-17	
1,2-Dibromoethane	88	86	70-130	3	0-30	
1,2-Dichlorobenzene	89	83	63-123	7	0-23	
1,1-Dichloroethene	90	80	69-123	12	0-16	
Ethylbenzene	89	85	70-130	5	0-30	
Toluene	77	72	79-115	7	0-15	3
Trichloroethene	87	85	66-144	2	0-14	
Vinyl Chloride	95	89	60-126	7	0-14	
Methyl-t-Butyl Ether (MTBE)	88	84	68-128	5	0-14	
Tert-Butyl Alcohol (TBA)	110	120	44-134	9	0-37	
Diisopropyl Ether (DIPE)	92	87	75-123	6	0-12	
Ethyl-t-Butyl Ether (ETBE)	92	90	75-117	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	88	84	79-115	5	0-12	
Ethanol	12	24	42-138	49	0-28	3,4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.	Date Received: N/A
601 North McDowell Blvd.	Work Order No: 09-08-2296
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-2,916	Solid	GC 47	08/31/09	08/31/09	090831B03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	92	94	75-123	2	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	09-08-2296
Petaluma, CA 94954-2312		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,110	**Solid**	**GC 4**	**08/31/09**	**08/31/09**	**090831B02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	99	105	70-124	6	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-2296
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,106	**Solid**	**GC 4**	**08/28/09**	**08/28/09**	**090828B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	94	97	70-124	3	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.	Date Received:	N/A
601 North McDowell Blvd.	Work Order No:	09-08-2296
Petaluma, CA 94954-2312	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,109	Solid	GC 4	08/31/09	08/31/09	090831B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	99	105	70-124	6	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-2296
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-248	Solid	GC/MS Z	08/28/09	08/28/09	090828L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	104	105	84-114	79-119	1	0-7	
Toluene	101	100	78-114	72-120	1	0-7	
Ethylbenzene	103	102	80-120	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	83	83	77-125	69-133	1	0-11	
Tert-Butyl Alcohol (TBA)	95	90	47-137	32-152	6	0-27	
Diisopropyl Ether (DIPE)	105	107	76-130	67-139	2	0-8	
Ethyl-t-Butyl Ether (ETBE)	83	85	76-124	68-132	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	80	81	82-118	76-124	1	0-11	
Ethanol	123	120	59-131	47-143	3	0-21	
1,1-Dichloroethene	89	89	73-121	65-129	0	0-12	
1,2-Dibromoethane	104	100	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	96	95	79-115	73-121	1	0-8	
Carbon Tetrachloride	89	90	66-132	55-143	1	0-12	
Chlorobenzene	103	102	87-111	83-115	1	0-7	
Trichloroethene	106	103	84-114	79-119	3	0-8	
Vinyl Chloride	105	103	63-129	52-140	2	0-15	

Total number of LCS compounds : 16
Total number of ME compounds : 1
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-2296
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-247	Solid	GC/MS Z	08/28/09	08/28/09	090828L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	104	105	84-114	79-119	1	0-7	
Toluene	101	100	78-114	72-120	1	0-7	
Ethylbenzene	103	102	80-120	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	83	83	77-125	69-133	1	0-11	
Tert-Butyl Alcohol (TBA)	95	90	47-137	32-152	6	0-27	
Diisopropyl Ether (DIPE)	105	107	76-130	67-139	2	0-8	
Ethyl-t-Butyl Ether (ETBE)	83	85	76-124	68-132	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	80	81	82-118	76-124	1	0-11	
Ethanol	123	120	59-131	47-143	3	0-21	
1,1-Dichloroethene	89	89	73-121	65-129	0	0-12	
1,2-Dibromoethane	104	100	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	96	95	79-115	73-121	1	0-8	
Carbon Tetrachloride	89	90	66-132	55-143	1	0-12	
Chlorobenzene	103	102	87-111	83-115	1	0-7	
Trichloroethene	106	103	84-114	79-119	3	0-8	
Vinyl Chloride	105	103	63-129	52-140	2	0-15	

Total number of LCS compounds : 16
Total number of ME compounds : 1
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-2296
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-254	Solid	GC/MS JJ	08/29/09	08/29/09	090829L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	102	99	84-114	79-119	3	0-7	
Toluene	102	100	78-114	72-120	2	0-7	
Ethylbenzene	108	100	80-120	73-127	8	0-20	
Methyl-t-Butyl Ether (MTBE)	99	96	77-125	69-133	3	0-11	
Tert-Butyl Alcohol (TBA)	114	106	47-137	32-152	7	0-27	
Diisopropyl Ether (DIPE)	100	98	76-130	67-139	2	0-8	
Ethyl-t-Butyl Ether (ETBE)	99	95	76-124	68-132	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	101	99	82-118	76-124	2	0-11	
Ethanol	126	122	59-131	47-143	4	0-21	
1,1-Dichloroethene	99	100	73-121	65-129	1	0-12	
1,2-Dibromoethane	111	105	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	95	100	79-115	73-121	5	0-8	
Carbon Tetrachloride	109	109	66-132	55-143	0	0-12	
Chlorobenzene	101	100	87-111	83-115	1	0-7	
Trichloroethene	109	103	84-114	79-119	5	0-8	
Vinyl Chloride	107	103	63-129	52-140	3	0-15	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-2296
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-255	Solid	GC/MS JJ	08/29/09	08/29/09	090829L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	102	99	84-114	79-119	3	0-7	
Toluene	102	100	78-114	72-120	2	0-7	
Ethylbenzene	108	100	80-120	73-127	8	0-20	
Methyl-t-Butyl Ether (MTBE)	99	96	77-125	69-133	3	0-11	
Tert-Butyl Alcohol (TBA)	114	106	47-137	32-152	7	0-27	
Diisopropyl Ether (DIPE)	100	98	76-130	67-139	2	0-8	
Ethyl-t-Butyl Ether (ETBE)	99	95	76-124	68-132	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	101	99	82-118	76-124	2	0-11	
Ethanol	126	122	59-131	47-143	4	0-21	
1,1-Dichloroethene	99	100	73-121	65-129	1	0-12	
1,2-Dibromoethane	111	105	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	95	100	79-115	73-121	5	0-8	
Carbon Tetrachloride	109	109	66-132	55-143	0	0-12	
Chlorobenzene	101	100	87-111	83-115	1	0-7	
Trichloroethene	109	103	84-114	79-119	5	0-8	
Vinyl Chloride	107	103	63-129	52-140	3	0-15	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-08-2296

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	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.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
I	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ND	Parameter not detected at the indicated reporting limit.
Q	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.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Sandy Tat

From: Heidi Dieffenbach-Carle [hdieffenbach-carle@ERI-US.com]
Sent: Monday, August 31, 2009 9:13 AM
To: Sandy Tat
Subject: RE: ExxonMobil 73006 (09-08-2296)

Sandy,

The COC is correct. Samples S-20.5-MW19B and S-22.5-MW19B were collected on 08/26/09.

Thanks,
Heidi

Heidi Dieffenbach-Carle
Sr. Geologist
Environmental Resolutions, Inc.
601 N. McDowell Boulevard
Petaluma, CA 94954
hdieffenbach-carle@eri-us.com
www.eri-us.com
707-766-2019-Office
707-789-0414-Fax

From: Sandy Tat [mailto:STat@calscience.com]
Sent: Friday, August 28, 2009 3:34 PM
To: Heidi Dieffenbach-Carle
Subject: ExxonMobil 73006 (09-08-2296)

Hi Heidi,

Please verify the sampling date for sample (S-20.5-MW19B) & (S-22.5-MW19B). On the COC, both are labeled as 08/26/09, but on the container, both are labeled as 08/25/09. Therefore, which sampling date should Calscience use? Please advise.

<<09-08-2296.PDF>>

Thanks,

Sandy Tat
Project Manager Assistant

Cecile de Guia

From: Paula Sime [psime@ERI-US.com]
Sent: August 28, 2009 16:30
To: Cecile de Guia
Subject: RE: Oakland Soil Samples

THANK YOU Cecile. Yes, the TAT for the samples for last week will be OK to receive all of the by COB on 9/4. The surcharge will be acceptable. I really appreciate your help. Paula

Paula Sime
Sr. Project Manager
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954
psime@eri-us.com
www.eri-us.com
707-766-2026-Office
707-338-8012-Cell
707-789-0414-Fax

From: Cecile de Guia [mailto:CdeGuia@calscience.com]
Sent: Friday, August 28, 2009 4:26 PM
To: Paula Sime
Cc: Alan Kemp
Subject: RE: Oakland Soil Samples
Importance: High

Hi Paula,

I checked the lab and they could do a 72 hrs TAT for WO#: 09-08-2175, 09-08-2176, 09-08-2177, and 09-08-2296. The samples were received yesterday and today. Then, these reports will be due on 09/02/09.

For samples that we received last week, I would like to keep the TAT since the reports are schedule to go out on 09/2 and 09/04.

There will be a surcharge of 25% for 72 HRS TAT. Please confirm if you agree with 72 HRS TAT for the four WO#s mentioned above.

Thank you.

Cecile de Guia
Project Manager
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way

Garden Grove, CA 92841-1427
Phone: 714-895-5494 x221
Fax: 714-894-7501
CdeGuia@calscience.com

The difference is service

From: Paula Sime [mailto:psime@ERI-US.com]
Sent: August 28, 2009 15:25
To: Cecile de Guia; Alan Kemp
Subject: Oakland Soil Samples

Cecile:

It has come to my attention that the report for the drilling we just completed at site 73006 (720 High Street, Oakland) is due by the end of September. This means we will need the analytical results way sooner than the standard TAT. I apologize in advance for asking this, but can we get those as soon as you can get them to us? I don't know what your schedule will accomodate right now but every day helps. Please let me know when we can expect to receive the results.

Also, apparently we did not collect a stockpile sample when we were on site for drilling. We will collect one this coming Tuesday, which will need to be put on 24-hour TAT (analyzed for TPHg, TPHd, BTEX, oxys, and HVOCs 8010 list by 8260). Is there any way that Alan can pick that sample up at the site? Our geologist will be staying in Oakland for the entire week and not returning to the office so it would be the quickest way to get that sample to you.

I'll give you a call in a bit to discuss. Thank you in advance for any help you can offer.

Paula

Paula Sime
Sr. Project Manager
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954
psime@eri-us.com
www.eri-us.com
707-766-2026-Office
707-338-8012-Cell
707-789-0414-Fax

CHAIN OF CUSTODY RECORD

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

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Blvd.
City/State/Zip: Petaluma, California 94954
Project Manager: Paula Sime
Telephone Number: (707) 766-2000
ERI Job Number: 201003X
Sampler Name: (Print) Heidi Dieffenbach-Carle
Sampler Signature: Heidi Dieffenbach-Carle

2296

ExxonMobil Engineer: Jennifer Sedlachek
Telephone Number: (510) 547-8196
Account #:
PO #: 4510812003
Facility ID #: 73006
Global ID#: T0600100552
Site Address: 720 High Street
City, State Zip: Oakland, California 94601

TAT: ☐ 24 hour ☐ 72 hour ☐ 48 hour ☐ 96 hour ☑ 8 day

PROVIDE: EDF Report

Special Instructions:
7 CA Oxys = TBA, ETBE, TAME, EDB, 1,2-DCA, DIPE, MTBE.
Set TBA detection limit at or below 12 ug/L.
Use silica gel cleanup on all TPHd analyses.
Use MW# as Field Pt Name

	Sample ID / Description	DATE	TIME	COMP	GRAB	Preserve	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHd 8015B	TPHg 8015B	BTEX 8260B	7 CA Oxys 8260B	Ethanol 8260B
	S-Depth-MW#					ICE	1		X		X	X	X	X	X
1	S-10.5-MW19B	8-26-09	0800			Ice	1		X		X	X	X	X	X
2	S-16.0-MW19B	"	0810			"	1		"		"	"	"	"	"
3	S-20.5-MW19B	"	0820			"	1		"		"	"	"	"	"
4	S-22.5-MW19B	"	0830			"	1		"		"	"	"	"	"
5	S-24.5-MW19B	"	0840			"	1		"		"	"	"	"	"
6	S-10.5-MW19A	"	1045			"	1		"		"	"	"	"	"
7	S-12.5-MW19A	"	1120			"	1		"		"	"	"	"	"
8	S-10.5-MW18A	"	1435			"	1		"		"	"	"	"	"
9	S-12.5-MW18A	"	1445			"	1		"		"	"	"	"	"

Relinquished by: Heidi Dieffenbach-Carle Date 8-26-09 Time
Received by: Jo O'Malley CCL Date 8/27/09 Time 1520

Relinquished by: Date 8/27/09 Time 1730
Received by: Date 8/28/09 Time 1000

5125 33509

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-08-2216

SAMPLE RECEIPT FORM

Cooler 1 **of** 1

CLIENT: ERI **DATE:** 8/28/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.3 °C - 0.2 °C (CF) = 3.1 °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 ☐ Metals Only ☐ PCBs Only **Initial:** HP

CUSTODY SEALS INTACT:

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

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

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.			
☐ COC not relinquished. ☐ No date relinquished. ☑ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

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

Air: ☐Tedlar® ☐Summa® ☐_____ **Other:** ☐_____ **Checked/Labeled by:** KD

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

Preservative: h: HCL n: HNO3 na_2:$Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** RN

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-08-2296

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Samples NOT RECEIVED but listed on COC**
- ☐ **Samples received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s)/preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample labels do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☑ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Containers**
  - ☐ **Analysis**
- ☐ **Sample containers compromised** – Note in comments
  - ☐ **Leaking**
  - ☐ **Broken**
  - ☐ **Without Labels**
- ☐ **Air sample containers compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

(-3) & (-4) collection date per label 8-25-09

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 RSK or CO_2 or DO Received

Comments: _____

*Transferred at Client's request.

Initial / Date RM 8-28-09

Calscience
Environmental
Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

August 31, 2009

RECEIVED
SEP 01 2009
BY:----------

Paula Sime
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Subject: **Calscience Work Order No.: 09-08-1716**
Client Reference: ExxonMobil 73006

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/20/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Cecile L deGuia

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/20/09
Work Order No: 09-08-1716
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.0-MW19B	**09-08-1716-1-A**	**08/18/09 07:45**	**Solid**	**GC 49**	**08/21/09**	**08/22/09 00:39**	**090821B04**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	102	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.0-MW19A	**09-08-1716-2-A**	**08/18/09 10:25**	**Solid**	**GC 49**	**08/21/09**	**08/22/09 00:55**	**090821B04**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	107	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.5-MW17B	**09-08-1716-3-A**	**08/18/09 14:35**	**Solid**	**GC 49**	**08/21/09**	**08/22/09 01:11**	**090821B04**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	6.1	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	117	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-275-2,906**	**N/A**	**Solid**	**GC 49**	**08/21/09**	**08/21/09 18:22**	**090821B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	109	61-145			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received:	08/20/09
601 North McDowell Blvd.	Work Order No:	09-08-1716
Petaluma, CA 94954-2312	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.0-MW19B	**09-08-1716-1-A**	**08/18/09 07:45**	**Solid**	**GC 5**	**08/20/09**	**08/20/09 20:53**	**090820B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	94	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.0-MW19A	**09-08-1716-2-A**	**08/18/09 10:25**	**Solid**	**GC 5**	**08/20/09**	**08/20/09 21:31**	**090820B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	95	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.5-MW17B	**09-08-1716-3-A**	**08/18/09 14:35**	**Solid**	**GC 5**	**08/20/09**	**08/20/09 22:09**	**090820B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	92	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,077**	**N/A**	**Solid**	**GC 5**	**08/20/09**	**08/20/09 12:37**	**090820B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	97	42-126			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/20/09
Work Order No: 09-08-1716
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.0-MW19B	**09-08-1716-1-A**	**08/18/09 07:45**	**Solid**	**GC/MS JJ**	**08/20/09**	**08/21/09 05:12**	**090820L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	133	73-145			1,4-Bromofluorobenzene	88	71-113		
Dibromofluoromethane	131	73-139			Toluene-d8	100	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.0-MW19A	**09-08-1716-2-A**	**08/18/09 10:25**	**Solid**	**GC/MS JJ**	**08/20/09**	**08/21/09 05:42**	**090820L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	120	73-145			1,4-Bromofluorobenzene	90	71-113		
Dibromofluoromethane	123	73-139			Toluene-d8	104	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5.5-MW17B	**09-08-1716-3-A**	**08/18/09 14:35**	**Solid**	**GC/MS JJ**	**08/21/09**	**08/21/09 20:33**	**090821L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	120	73-145			1,4-Bromofluorobenzene	87	71-113		
Dibromofluoromethane	123	73-139			Toluene-d8	99	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/20/09
Work Order No: 09-08-1716
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-239**	**N/A**	**Solid**	**GC/MS JJ**	**08/20/09**	**08/21/09 02:08**	**090820L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	121	73-145			1,4-Bromofluorobenzene	90	71-113		
Dibromofluoromethane	129	73-139			Toluene-d8	95	90-108		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-241**	**N/A**	**Solid**	**GC/MS JJ**	**08/21/09**	**08/21/09 13:30**	**090821L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.25	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		1,2-Dibromoethane	ND	0.0050	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1		1,2-Dichloroethane	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	118	73-145			1,4-Bromofluorobenzene	88	71-113		
Dibromofluoromethane	123	73-139			Toluene-d8	102	90-108		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.	Date Received: 08/20/09
601 North McDowell Blvd.	Work Order No: 09-08-1716
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-1790-1	Solid	GC 49	08/21/09	08/21/09	090821S04

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	89	90	64-130	1	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/20/09
Work Order No: 09-08-1716
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-1702-2	Solid	GC 5	08/20/09	08/20/09	090820B01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	108	106	48-114	1	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/20/09
Work Order No: 09-08-1716
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-1363-1	Solid	GC/MS JJ	08/20/09	08/21/09	090820S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	95	79-115	1	0-13	
Carbon Tetrachloride	102	100	55-139	1	0-15	
Chlorobenzene	90	85	79-115	7	0-17	
1,2-Dibromoethane	86	81	70-130	5	0-30	
1,2-Dichlorobenzene	82	80	63-123	3	0-23	
1,1-Dichloroethene	115	107	69-123	7	0-16	
Ethylbenzene	82	79	70-130	4	0-30	
Toluene	97	95	79-115	2	0-15	
Trichloroethene	105	104	66-144	1	0-14	
Vinyl Chloride	107	106	60-126	0	0-14	
Methyl-t-Butyl Ether (MTBE)	79	106	68-128	17	0-14	4
Tert-Butyl Alcohol (TBA)	95	92	44-134	4	0-37	
Diisopropyl Ether (DIPE)	110	111	75-123	1	0-12	
Ethyl-t-Butyl Ether (ETBE)	102	101	75-117	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	90	90	79-115	1	0-12	
Ethanol	72	31	42-138	78	0-28	4,3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/20/09
Work Order No: 09-08-1716
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-5.5-MW17B	Solid	GC/MS JJ	08/21/09	08/21/09	090821S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	98	79-115	2	0-13	
Toluene	99	96	79-115	3	0-15	
Ethylbenzene	85	87	70-130	3	0-30	
Methyl-t-Butyl Ether (MTBE)	111	109	68-128	2	0-14	
Tert-Butyl Alcohol (TBA)	92	82	44-134	12	0-37	
Diisopropyl Ether (DIPE)	112	114	75-123	1	0-12	
Ethyl-t-Butyl Ether (ETBE)	109	103	75-117	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	96	79-115	0	0-12	
Ethanol	15	98	42-138	147	0-28	3,4
1,1-Dichloroethene	114	114	69-123	0	0-16	
1,2-Dibromoethane	96	100	70-130	4	0-30	
1,2-Dichlorobenzene	84	82	63-123	2	0-23	
Carbon Tetrachloride	108	109	55-139	1	0-15	
Chlorobenzene	92	96	79-115	3	0-17	
Trichloroethene	102	101	66-144	1	0-14	
Vinyl Chloride	114	111	60-126	3	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.	Date Received: N/A
601 North McDowell Blvd.	Work Order No: 09-08-1716
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-2,906	Solid	GC 49	08/21/09	08/21/09	090821B04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	100	104	75-123	4	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.	Date Received:	N/A
601 North McDowell Blvd.	Work Order No:	09-08-1716
Petaluma, CA 94954-2312	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,077	Solid	GC 5	08/20/09	08/20/09	090820B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	100	99	70-124	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-1716
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-239	Solid	GC/MS JJ	08/20/09	08/20/09	090820L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	98	84-114	79-119	0	0-7	
Toluene	99	103	78-114	72-120	3	0-7	
Ethylbenzene	90	90	80-120	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	112	108	77-125	69-133	4	0-11	
Tert-Butyl Alcohol (TBA)	97	97	47-137	32-152	0	0-27	
Diisopropyl Ether (DIPE)	118	118	76-130	67-139	0	0-8	
Ethyl-t-Butyl Ether (ETBE)	110	111	76-124	68-132	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	98	100	82-118	76-124	2	0-11	
Ethanol	130	112	59-131	47-143	14	0-21	
1,1-Dichloroethene	116	118	73-121	65-129	2	0-12	
1,2-Dibromoethane	103	100	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	85	89	79-115	73-121	4	0-8	
Carbon Tetrachloride	98	108	66-132	55-143	10	0-12	
Chlorobenzene	96	94	87-111	83-115	2	0-7	
Trichloroethene	102	104	84-114	79-119	2	0-8	
Vinyl Chloride	107	117	63-129	52-140	9	0-15	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-08-1716
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-241	Solid	GC/MS JJ	08/21/09	08/21/09	090821L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	102	84-114	79-119	4	0-7	
Toluene	101	107	78-114	72-120	6	0-7	
Ethylbenzene	95	95	80-120	73-127	0	0-20	
Methyl-t-Butyl Ether (MTBE)	118	117	77-125	69-133	1	0-11	
Tert-Butyl Alcohol (TBA)	91	96	47-137	32-152	6	0-27	
Diisopropyl Ether (DIPE)	119	120	76-130	67-139	1	0-8	
Ethyl-t-Butyl Ether (ETBE)	122	117	76-124	68-132	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	108	109	82-118	76-124	1	0-11	
Ethanol	100	97	59-131	47-143	3	0-21	
1,1-Dichloroethene	117	114	73-121	65-129	3	0-12	
1,2-Dibromoethane	97	101	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	91	92	79-115	73-121	2	0-8	
Carbon Tetrachloride	114	113	66-132	55-143	0	0-12	
Chlorobenzene	98	96	87-111	83-115	2	0-7	
Trichloroethene	99	105	84-114	79-119	5	0-8	
Vinyl Chloride	111	106	63-129	52-140	5	0-15	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-08-1716

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	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.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
I	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ND	Parameter not detected at the indicated reporting limit.
Q	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.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

CHAIN OF CUSTODY RECORD

1716

Page 1 of 1

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

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Blvd.
City/State/Zip: Petaluma, California 94954
Project Manager: Paula Sime
Telephone Number: (707) 766-2000
ERI Job Number: 201003X
Sampler Name: (Print) Heidi Dieffenbach-Carle
Sampler Signature: Heidi Dieffenbach-Carle

ExxonMobil Engineer: Jennifer Sedlachek
Telephone Number: (510) 547-8196
Account #:
PO #: 4510812003
Facility ID #: 73006
Global ID#: T0600100552
Site Address: 720 High Street
City, State Zip: Oakland, California 94601

TAT
☐ 24 hour ☐ 72 hour
☐ 48 hour ☐ 96 hour
☑ 8 day

PROVIDE:
EDF Report

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

Use MW# as Field Pt Name

	Sample ID / Description	DATE	TIME	COMP	GRAB	Preserve	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHd 8015B	TPHg 8015B	BTEX 8260B	7 CA Oxys 8260B	Ethanol 8260B					
	S-Depth-MW#					ICE	1		X		X	X	X	X	X					
1	S-5.0-MW19B	8-18-09	0745			ice	1		X		X	X	X	X	X					
2	S-5.0-MW19A	8-18-09	1025			ice	1		X		X	X	X	X	X					
3	S-5.5-MW17B	8-18-09	1435			ice	1		X		X	X	X	X	X					
	~~S-5.0-MW17A~~	~~8-18-09~~	~~1458~~			ice	1		X		X	X	X	X	X				PS 8-19-09	

Relinquished by: Heidi Dieffenbach-Carle Date 8-18-09 Time 1525 Received by: Tracy Wright Time 1525

Relinquished by: Tracy Wright Date 8/18/09 Time 17:02 Received by: Tom Malley CEL Time 1220

8/18/09

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

8-19-09 0730
TK# 512477370

Danny Le CEL 8/20/09 10:30

CalScience Environmental Laboratories, Inc.

WORK ORDER #: 09-08-1716

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ERI

DATE: 08/20/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.2 °C - 0.2°C (CF) = 2.0 °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 ☐ Metals Only ☐ PCBs Only **Initial:** DL

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** D.L

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

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.			
☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

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

Air: ☐Tedlar® ☐Summa® ☐_____ **Other:** ☐_____ **Checked/Labeled by:** _____

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

Preservative: h: HCL n: HNO3 na_2: $Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** _____

Calscience
Environmental
Laboratories, Inc.

September 03, 2009

RECEIVED
SEP 0 8 2009
BY:----------

Paula Sime
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Subject: **Calscience Work Order No.: 09-09-0102**
Client Reference: ExxonMobil 73006

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 09/02/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Cecile L deGuia

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received: 09/02/09
601 North McDowell Blvd.	Work Order No: 09-09-0102
Petaluma, CA 94954-2312	Preparation: EPA 3050B
	Method: EPA 6010B

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP1-(1-4)	**09-09-0102-5-A**	**09/01/09 00:00**	**Solid**	**ICP 5300**	**09/02/09**	**09/02/09 15:36**	**090902L01**

Parameter	Result	RL	DF	Qual	Units
Lead	3.78	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-12,698**	**N/A**	**Solid**	**ICP 5300**	**09/02/09**	**09/02/09 15:26**	**090902L01**

Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.500	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received: 09/02/09
601 North McDowell Blvd.	Work Order No: 09-09-0102
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP1-(1-4)	**09-09-0102-5-A**	**09/01/09 00:00**	**Solid**	**GC 15**	**09/02/09**	**09/03/09 02:06**	**090902B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	10	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	108	61-145			

Method Blank	**099-12-275-2,919**	**N/A**	**Solid**	**GC 15**	**09/02/09**	**09/02/09 18:56**	**090902B03**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	125	61-145			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received: 09/02/09
601 North McDowell Blvd.	Work Order No: 09-09-0102
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8015B (M)

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP1-(1-4)	**09-09-0102-5-A**	**09/01/09 00:00**	**Solid**	**GC 24**	**09/02/09**	**09/02/09 15:41**	**090902B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	22	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	143	42-126		2	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,114**	**N/A**	**Solid**	**GC 24**	**09/02/09**	**09/02/09 07:50**	**090902B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	89	42-126			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received: 09/02/09
601 North McDowell Blvd.	Work Order No: 09-09-0102
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8260B
	Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP1-(1-4)	09-09-0102-5-A	09/01/09 00:00	Solid	GC/MS UU	09/02/09	09/02/09 14:25	090902L02

Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		2-Chlorotoluene	ND	0.50	100	
Toluene	ND	0.50	100		4-Chlorotoluene	ND	0.50	100	
Ethylbenzene	ND	0.50	100		4-Methyl-2-Pentanone	ND	5.0	100	
Xylenes (total)	ND	0.50	100		Acetone	ND	12	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100		Bromobenzene	ND	0.50	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	100		Bromochloromethane	ND	0.50	100	
Diisopropyl Ether (DIPE)	ND	1.0	100		Bromoform	ND	0.50	100	
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100		Bromomethane	ND	2.5	100	
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100		Carbon Disulfide	ND	5.0	100	
1,1,1,2-Tetrachloroethane	ND	0.50	100		Carbon Tetrachloride	ND	0.50	100	
1,1,1-Trichloroethane	ND	0.50	100		Chlorobenzene	ND	0.50	100	
1,1,2,2-Tetrachloroethane	ND	0.50	100		Dibromochloromethane	ND	0.50	100	
1,1,2-Trichloroethane	ND	0.50	100		Chloroethane	ND	0.50	100	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5.0	100		Chloroform	ND	0.50	100	
1,1-Dichloroethane	ND	0.50	100		Chloromethane	ND	2.5	100	
1,1-Dichloroethene	ND	0.50	100		Dibromomethane	ND	0.50	100	
1,1-Dichloropropene	ND	0.50	100		Bromodichloromethane	ND	0.50	100	
1,2,3-Trichlorobenzene	ND	1.0	100		Dichlorodifluoromethane	ND	0.50	100	
1,2,3-Trichloropropane	ND	0.50	100		Hexachloro-1,3-Butadiene	ND	10	100	
1,2,4-Trichlorobenzene	ND	0.50	100		Isopropylbenzene	ND	0.50	100	
1,2,4-Trimethylbenzene	ND	0.50	100		2-Butanone	ND	5.0	100	
1,3,5-Trimethylbenzene	ND	0.50	100		Methylene Chloride	ND	5.0	100	
c-1,2-Dichloroethene	ND	0.50	100		2-Hexanone	ND	5.0	100	
1,2-Dibromo-3-Chloropropane	ND	1.0	100		Naphthalene	ND	5.0	100	
1,2-Dibromoethane	ND	0.50	100		n-Butylbenzene	ND	0.50	100	
1,2-Dichlorobenzene	ND	0.50	100		n-Propylbenzene	ND	0.50	100	
1,2-Dichloroethane	ND	0.50	100		p-Isopropyltoluene	ND	0.50	100	
1,2-Dichloropropane	ND	0.50	100		sec-Butylbenzene	ND	0.50	100	
t-1,2-Dichloroethene	ND	0.50	100		Styrene	ND	0.50	100	
c-1,3-Dichloropropene	ND	0.50	100		tert-Butylbenzene	ND	0.50	100	
1,3-Dichlorobenzene	ND	0.50	100		Tetrachloroethene	ND	0.50	100	
1,3-Dichloropropane	ND	0.50	100		Trichloroethene	ND	0.50	100	
t-1,3-Dichloropropene	ND	0.50	100		Trichlorofluoromethane	ND	5.0	100	
1,4-Dichlorobenzene	ND	0.50	100		Vinyl Chloride	ND	0.50	100	
2,2-Dichloropropane	ND	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	108	73-145		1,4-Bromofluorobenzene	98	71-113	
Dibromofluoromethane	91	73-139		Toluene-d8	104	90-108	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 09/02/09
Work Order No: 09-09-0102
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 73006

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-259**	**N/A**	**Solid**	**GC/MS UU**	**09/02/09**	**09/02/09 13:31**	**090902L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		2-Chlorotoluene	ND	0.50	100	
Toluene	ND	0.50	100		4-Chlorotoluene	ND	0.50	100	
Ethylbenzene	ND	0.50	100		4-Methyl-2-Pentanone	ND	5.0	100	
Xylenes (total)	ND	0.50	100		Acetone	ND	12	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100		Bromobenzene	ND	0.50	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	100		Bromochloromethane	ND	0.50	100	
Diisopropyl Ether (DIPE)	ND	1.0	100		Bromoform	ND	0.50	100	
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100		Bromomethane	ND	2.5	100	
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100		Carbon Disulfide	ND	5.0	100	
1,1,1,2-Tetrachloroethane	ND	0.50	100		Carbon Tetrachloride	ND	0.50	100	
1,1,1-Trichloroethane	ND	0.50	100		Chlorobenzene	ND	0.50	100	
1,1,2,2-Tetrachloroethane	ND	0.50	100		Dibromochloromethane	ND	0.50	100	
1,1,2-Trichloroethane	ND	0.50	100		Chloroethane	ND	0.50	100	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5.0	100		Chloroform	ND	0.50	100	
1,1-Dichloroethane	ND	0.50	100		Chloromethane	ND	2.5	100	
1,1-Dichloroethene	ND	0.50	100		Dibromomethane	ND	0.50	100	
1,1-Dichloropropene	ND	0.50	100		Bromodichloromethane	ND	0.50	100	
1,2,3-Trichlorobenzene	ND	1.0	100		Dichlorodifluoromethane	ND	0.50	100	
1,2,3-Trichloropropane	ND	0.50	100		Hexachloro-1,3-Butadiene	ND	10	100	
1,2,4-Trichlorobenzene	ND	0.50	100		Isopropylbenzene	ND	0.50	100	
1,2,4-Trimethylbenzene	ND	0.50	100		2-Butanone	ND	5.0	100	
1,3,5-Trimethylbenzene	ND	0.50	100		Methylene Chloride	ND	5.0	100	
c-1,2-Dichloroethene	ND	0.50	100		2-Hexanone	ND	5.0	100	
1,2-Dibromo-3-Chloropropane	ND	1.0	100		Naphthalene	ND	5.0	100	
1,2-Dibromoethane	ND	0.50	100		n-Butylbenzene	ND	0.50	100	
1,2-Dichlorobenzene	ND	0.50	100		n-Propylbenzene	ND	0.50	100	
1,2-Dichloroethane	ND	0.50	100		p-Isopropyltoluene	ND	0.50	100	
1,2-Dichloropropane	ND	0.50	100		sec-Butylbenzene	ND	0.50	100	
t-1,2-Dichloroethene	ND	0.50	100		Styrene	ND	0.50	100	
c-1,3-Dichloropropene	ND	0.50	100		tert-Butylbenzene	ND	0.50	100	
1,3-Dichlorobenzene	ND	0.50	100		Tetrachloroethene	ND	0.50	100	
1,3-Dichloropropane	ND	0.50	100		Trichloroethene	ND	0.50	100	
t-1,3-Dichloropropene	ND	0.50	100		Trichlorofluoromethane	ND	5.0	100	
1,4-Dichlorobenzene	ND	0.50	100		Vinyl Chloride	ND	0.50	100	
2,2-Dichloropropane	ND	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	111	73-145		1,4-Bromofluorobenzene	92	71-113	
Dibromofluoromethane	90	73-139		Toluene-d8	99	90-108	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received: 09/02/09
601 North McDowell Blvd.	Work Order No: 09-09-0102
Petaluma, CA 94954-2312	Preparation: EPA 3050B
	Method: EPA 6010B

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-1556-1	**Solid**	**ICP 5300**	**09/02/09**	**09/02/09**	**090902S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	65	72	75-125	4	0-20	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received 09/02/09
Work Order No: 09-09-0102
Preparation: EPA 3050B
Method: EPA 6010B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
09-08-1556-1	Solid	ICP 5300	09/02/09	09/02/09	090902S01

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	90	88	75-125	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received: 09/02/09
601 North McDowell Blvd.	Work Order No: 09-09-0102
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-09-0088-10	**Solid**	**GC 15**	**09/02/09**	**09/02/09**	**090902S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	91	92	64-130	1	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 09/02/09
Work Order No: 09-09-0102
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-2413-32	**Solid**	**GC 24**	**09/02/09**	**09/02/09**	**090902S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	87	99	48-114	14	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received: 09/02/09
601 North McDowell Blvd.	Work Order No: 09-09-0102
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B

Project ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-09-0020-4	Solid	GC/MS UU	09/02/09	09/02/09	090902S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	98	79-115	0	0-13	
Carbon Tetrachloride	112	108	55-139	4	0-15	
Chlorobenzene	103	98	79-115	5	0-17	
1,2-Dibromoethane	103	99	70-130	4	0-30	
1,2-Dichlorobenzene	98	95	63-123	3	0-23	
1,1-Dichloroethene	98	87	69-123	12	0-16	
Ethylbenzene	96	91	70-130	5	0-30	
Toluene	89	89	79-115	0	0-15	
Trichloroethene	98	100	66-144	2	0-14	
Vinyl Chloride	112	109	60-126	2	0-14	
Methyl-t-Butyl Ether (MTBE)	108	108	68-128	0	0-14	
Tert-Butyl Alcohol (TBA)	110	123	44-134	12	0-37	
Diisopropyl Ether (DIPE)	103	107	75-123	4	0-12	
Ethyl-t-Butyl Ether (ETBE)	99	98	75-117	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	100	79-115	4	0-12	
Ethanol	93	103	42-138	11	0-28	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.	Date Received: N/A
601 North McDowell Blvd.	Work Order No: 09-09-0102
Petaluma, CA 94954-2312	Preparation: EPA 3050B
	Method: EPA 6010B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-12,698	Solid	ICP 5300	09/02/09	09/02/09	090902L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	102	104	80-120	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-09-0102
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-2,919	Solid	GC 15	09/02/09	09/02/09	090902B03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	98	100	75-123	2	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.	Date Received: N/A
601 North McDowell Blvd.	Work Order No: 09-09-0102
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8015B (M)

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,114	Solid	GC 24	09/02/09	09/02/09	090902B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	92	106	70-124	14	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-09-0102
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 73006

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-259	Solid	GC/MS UU	09/02/09	09/02/09	090902L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	97	97	84-114	79-119	0	0-7	
Toluene	92	93	78-114	72-120	1	0-7	
Ethylbenzene	99	102	80-120	73-127	3	0-20	
Methyl-t-Butyl Ether (MTBE)	95	95	77-125	69-133	0	0-11	
Tert-Butyl Alcohol (TBA)	98	100	47-137	32-152	3	0-27	
Diisopropyl Ether (DIPE)	99	100	76-130	67-139	1	0-8	
Ethyl-t-Butyl Ether (ETBE)	96	99	76-124	68-132	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	101	82-118	76-124	2	0-11	
Ethanol	97	102	59-131	47-143	4	0-21	
1,1-Dichloroethene	94	98	73-121	65-129	4	0-12	
1,2-Dibromoethane	97	104	80-120	73-127	6	0-20	
1,2-Dichlorobenzene	96	98	79-115	73-121	2	0-8	
Carbon Tetrachloride	114	117	66-132	55-143	2	0-12	
Chlorobenzene	100	101	87-111	83-115	1	0-7	
Trichloroethene	94	96	84-114	79-119	2	0-8	
Vinyl Chloride	105	102	63-129	52-140	3	0-15	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-09-0102

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	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.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
I	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ND	Parameter not detected at the indicated reporting limit.
Q	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.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Cecile de Guia

From: Paula Sime [psime@ERI-US.com]
Sent: September 02, 2009 11:46
To: Cecile de Guia
Subject: RE: ExxonMobil 73006; 09-09-0102
Attachments: 73006 revised stockpile COC.pdf

Here you go Cecile. Thanks for bringing that to my attention. Paula

Paula Sime
Sr. Project Manager
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954
psime@eri-us.com
www.eri-us.com
707-766-2026-Office
707-338-8012-Cell
707-789-0414-Fax

From: Cecile de Guia [mailto:CdeGuia@calscience.com]
Sent: Wednesday, September 02, 2009 11:12 AM
To: Paula Sime
Subject: ExxonMobil 73006; 09-09-0102
Importance: High

Hi Paula,

Could you please put Calscience on the COC isntead of test America?

In addition, how would you like to composite sample to be called out in the report? The special instruction says to call it SP-2 while the COC says SP1-(1-4). Please advise.

Thank you.

<<09-09-0102.PDF>>

Cecile de Guia
Project Manager
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way

Garden Grove, CA 92841-1427
Phone: 714-895-5494 x221
Fax: 714-894-7501
CdeGuia@calscience.com

The difference is service

CHAIN OF CUSTODY RECORD

(0102)

Page 1 of 1

CALSCIENCE Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841
TEL: (714) 895-5494
FAX: (714) 894-7501

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Blvd.
City/State/Zip: Petaluma, California 94954
Project Manager: Paula Sime
Telephone Number: (707) 766-2000
ERI Job Number: 201003X
Sampler Name: (Print) Tracy Wright
Sampler Signature: [signature] for Tracy Wright

ExxonMobil Engineer: Jennifer Sedlachek
Telephone Number: (510) 547-8196
Account #:
PO #: 4510812003
Facility ID #: 73006
Global ID#: T0600100552
Site Address: 720 High Street
City, State Zip: Oakland, California 94601

TAT: ☑ 24 hour ☐ 72 hour ☐ 48 hour ☐ 96 hour ☐ 8 day

PROVIDE: EDF Report

Special Instructions:
7 CA Oxys = TBA, ETBE, TAME, EDB, 1,2-DCA, DIPE, MTBE.
Set TBA detection limit at or below 12 ug/L.
Use silica gel cleanup on all TPHd analyses.
If Pb >= 50 run STLC
Composite 4 Sleeves into Single Sample :

Sample ID / Description	DATE	TIME	COMP	GRAB	Preserv	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHd 8015B	TPHg 8015B	BTEX 8260B	7 CA Oxys 8260B	Ethanol 8260B			Total Lead (6010B	HVOC's (8010 list by 8260B)	
(5) SP1-(1-4)			X		Ice	4 sleeves		X		X	X	X	X				X	X	
1 SP1-1	9/1/09	8:58	X			1		X		X	X	X	X				X	X	
2 SP1-2	9/1/09	9:09	X			1		X		X	X	X	X				X	X	
3 SP1-3	9/1/09	9:15	X			1		X		X	X	X	X				X	X	
4 SP1-4	9/1/09	9:24	X			1		X		X	X	X	X				X	X	

Relinquished by: Tracy Wright Date 9/1/09 Time 10:29 Received by: [signature] CEL Time 1029

Relinquished by: [signature] CEL Date 9-1-09 Time 1730 Received by: Wbath CEL Time 1030 9/2/09

GSO5125599762

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

CHAIN OF CUSTODY RECORD

(0102)

TestAmerica INCORPORATED Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841
TEL: (714) 895-5494
FAX: (714) 894-7501

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Blvd.
City/State/Zip: Petaluma, California 94954
Project Manager Paula Sime
Telephone Number: (707) 766-2000
ERI Job Number: 201003X
Sampler Name: (Print)
Sampler Signature:

ExxonMobil Engineer Jennifer Sedlachek
Telephone Number (510) 547-8196
Account #:
PO #: 4510812003
Facility ID # 73006
Global ID# T0600100552
Site Address 720 High Street
City, State Zip Oakland, California 94601

TAT
☑ 24 hour ☐ 72 hour
☐ 48 hour ☐ 96 hour
☐ 8 day

PROVIDE:
EDF Report

Special Instructions:
7 CA Oxys = TBA, ETBE, TAME, EDB, 1,2-DCA, DIPE, MTBE.
Set TBA detection limit at or below 12 ug/L.
Use silica gel cleanup on all TPHd analyses.
If Pb >= 50 run STLC
Composite 4 Sleeves into Single Sample SP-2

Sample ID / Description	DATE	TIME	COMP	GRAB	Preserv	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHd 8015B	TPHg 8015B	BTEX 8260B	7 CA Oxys 8260B	Ethanol 8260B			Total Lead (6010B	HVOC's (8010 list by 8260B)	
(5) SP1-(1-4)			X		Ice	4 sleeves		X		X	X	X	X				X	X	
1 SP1-1	9/1/09	858	X			1		X		X	X	X	X				X	X	
2 SP1-2	9/1/09	9:09	X			1		X		X	X	X	X				X	X	
3 SP1-3	9/1/09	9:15	X			1		X		X	X	X	X				X	X	
4 SP1-4	9/1/09	9:24	X			1		X		X	X	X	X				X	X	

Relinquished by: Fed Ex Date 9/1/09 Time 10:29 Received by: CEC Time 1029

Relinquished by: CEC to GSO Date 9-1-09 Time 1730 Received by: Fed Ex Time 1030 9/2/09

GSO 5125597 62

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-09-0102

SAMPLE RECEIPT FORM

Cooler 1 **of** 1

CLIENT: ERI **DATE:** 9/2/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.5 °C - 0.2 °C (CF) = 2.3 °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 ☐ Metals Only ☐ PCBs Only **Initial:** WB

CUSTODY SEALS INTACT:

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

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

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.			
☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☐	☑	☐
Sample container label(s) consistent with COC	☐	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

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

Air: ☐Tedlar® ☐Summa® ☐_____ **Other:** ☐_____ **Checked/Labeled by:** YC

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

Preservative: h: HCL n: HNO3 na_2:$Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** YC

APPENDIX G

FIELD DATA

Well/Piez. ID: 16A

Well/Piezometer Development Record

Client: ERI Site Location: High St

Project No: 1219 Date: 9-2-09 Developer: C. GARVEK

WELL/PIEZOMETER DATA

Well ☒ Piezometer ☐ Diameter Material

Measuring Point Description: Top of Casing

Geology at Screen Interval (if known):

Depth to Top of Screen (ft.):

Depth to Bottom of Screen (ft.):

Time of Water Level Measurement:

Total Well Depth (ft.): 12'11" | 2"

Calculate Purge Volume (gal.):

Depth to Static Water Level (ft.): 6'6" | _____

Pre-development | Post-development

80% Recovery (DTW):

Wellhead PID/FID:

Original Well Development ☒ Redevelopment ☐

Well under +/- pressure @opening:

DEVELOPMENT METHOD Surge & Bail

PURGE METHOD Pump 2"

Field Testing Equipment Used: Make Model Serial Number

Field Testing Calibration Documentation Found in Field Notebook # _____ Page # _____

Time	Volume Removed (gal)	T° (C/F)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	Color	Odor	Other
7:10	INT	21.4	6.8	1125	—		D B		
7:15	5 gAL	23.8	6.8	923	9.17		GRY		
7:15	10 gAL	23.9	6.6	867	374.3		L GRY		
7:17	15 gAL	24.1	6.5	852	759.2		L GRY		
7:20	20 gAL	24.1	6.5	885	534.2		CLDY GRY		
7:22	25 gAL	24.0	6.7	894	293.4		CLDY GRY		
7:25	30 gAL	24.4	6.6	910	211.0		CLDY GRY		
7:27	35 gAL	23.9	6.5	925	202.1		CLDY		
7:30	40 gAL	24.2	6.6	930	135.2		CLDY		
7:32	42 gAL	24.0	6.6	939	88.6		CLDY		

ACCEPTANCE CRITERIA (from workplan)

Min. Purge Volume (10 casing well volumes) 6 gallons

Maximum Turbidity Allowed _____ NTUs

Stabilization of parameters _____ %

	Yes	No	N/A
Has required volume been removed	☐	☐	☐
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☐	☐	☐

If no or N/A explain below:

Signature _____ Date: _____

Well/Piez. ID: 16 B

Well/Piezometer Development Record

Client: ERI Site Location: High 54

Project No: 1219 Date: 9/1/09 Developer: C. GARUER

WELL/PIEZOMETER DATA

Well ☒ Piezometer ☐ Diameter Material

Measuring Point Description: Top off Casing Geology at Screen Interval (if known)

Depth to Top of Screen (ft.)

Depth to Bottom of Screen (ft.) Time of Water Level Measurement

Total Well Depth (ft.): 24.8 Calculate Purge Volume (gal.)

Depth to Static Water Level (ft.): 13.3 (Pre-development) / (Post-development) 80% Recovery (DTW)

Wellhead PID/FID

Original Well Development ☒ Redevelopment ☐ Well under +/- pressure @opening

DEVELOPMENT METHOD: Surge Bail PURGE METHOD: Pump

Field Testing Equipment Used: Make Model Serial Number

Field Testing Calibration Documentation Found in Field Notebook # Page #

Time	Volume Removed (gal)	T° (C/F)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	Color	Odor	Other
11:00	INT	22.1	7.6	2.36	1,83		B		
11:05	3.0	21.6	7.5	2.31	2.77		B		
11:10	6.0	21.5	7.7	1732	553.6		L/B		W/DRY
11:21	7.5	22.2	7.8	1420	>1100		L/B		W/DRY
11:30	9.0	21.9	7.8	1519	761.1		Cloudy		W/DRY
11:45	10.5	22.0	7.6	1429	400		Cloudy		W/DRY
12:00	14.5	22.3	7.4	1410	799		Cloudy		

ACCEPTANCE CRITERIA (from workplan)
Min. Purge Volume (10 well volumes) 12 gallons
Maximum Turbidity Allowed _____ NTUs
Stabilization of parameters _____ %

	Yes	No	N/A
Has required volume been removed	☒	☐	☐
Has required turbidity been reached	☐	☒	☒
Have parameters stabilized	☒	☐	☐

If no or N/A explain below:

Signature Date: 9/1/09

Well/Piez. ID: 17-A

Well/Piezometer Development Record

Client: ERI Site Location: High Street

Project No: 1219 Date: 9/1/09 Developer: C. GARVER

WELL/PIEZOMETER DATA

Well ☒ Piezometer ☐ Diameter Material

Measuring Point Description			Geology at Screen Interval (if known)
Depth to Top of Screen (ft.)	5'	2' 020	
Depth to Bottom of Screen (ft.)	13'	2" 020	Time of Water Level Measurement 8:30
Total Well Depth (ft.)	13'	2"	Calculate Purge Volume (gal.)
Depth to Static Water Level (ft.)	7.5'		80% Recovery (DTW)
	Pre-development	Post-development	Wellhead PID/FID

Original Well Development ☒ Redevelopment ☐ Well under +/- pressure @opening

DEVELOPMENT METHOD Surge/Bail PURGE METHOD Pump

Field Testing Equipment Used: Make Model Serial Number

Field Testing Calibration Documentation Found in Field Notebook # Page #

Time	Volume Removed (gal)	T° (C/F)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	Color	Odor	Other
8:55	INT.	22.6	7.02	1356	—		D/B	N/A	
9:57	1.5	24.0	7.01	1367	1.14		D/B	N/A	
9:00	3.0	23.6	7.37	1360	0.00		D/B	N/A	W/DRY
9:18	3.0	23.9	8.23	983	347.6		L/B	N/A	E
9:38	4.5	23.9	7.70	944	378.7		L/B	N/A	W/DRY
9:20	6.0	23.6	7.62	912	414		L/B	N/A	W/DRY
9:45	9.0	22.8	8.36	810	201		Cloudy	N/A	
9:50	10.5	22.9	7.6	789	156		Cloudy	N/A	
9:55	11.0	23.2	7.2	790	123		Cloudy	N/A	

ACCEPTANCE CRITERIA (from workplan)
Min. Purge Volume (10 well volumes) 7 gallons
Maximum Turbidity Allowed ____ NTUs
Stabilization of parameters ____%

	Yes	No	N/A
Has required volume been removed	☒	☐	☐
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☒	☐	☐

If no or N/A explain below: 1.0 Point
All Except pH. Pump SAMPLE WHILE SURGING Versus Continuous Sampling

Signature Date: 9/01/09

Well/Piez. ID: 17-B

Well/Piezometer Development Record

Client: ERI Site Location: High Street

Project No: 1219 Date: 9/1/09 Developer: C. GARVER

WELL/PIEZOMETER DATA

Well ☒ Piezometer ☐ Diameter Material

Measuring Point Description			Geology at Screen Interval (if known)
Depth to Top of Screen (ft.)	21.8	2"	
Depth to Bottom of Screen (ft.)	25.8	2"	Time of Water Level Measurement 6:40
Total Well Depth (ft.)	25.8	2"	Calculate Purge Volume (gal.)
Depth to Static Water Level (ft.)	17.		80% Recovery (DTW)
	Pre-development	Post-development	Wellhead PID/FID

Original Well Development ☒ Redevelopment ☐ Well under +/- pressure @opening

DEVELOPMENT METHOD Pump / Surge PURGE METHOD

Field Testing Equipment Used: Make Model Serial Number

Field Testing Calibration Documentation Found in Field Notebook # Page #

Time	Volume Removed (gal)	T° (C/F)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	Color	Odor	Other
7:30	3.0	21.0C	7.4	1050	90.4				
7:45	6.0	20.9	7.5	1049					
7:55	9.0	20.9	7.2	1060	1100				
8:00	11.5	20.9	7.2	1025	485.5				
8:10	15.0	20.9	7.3	1036	764				
8:15	19.0	20.9	7.3	1035	302				
8:20	20.0	20.9	7.6	1035	92.6				
8:25	22.0	20.8	7.6	1003	719.8				

ACCEPTANCE CRITERIA (from workplan)
Min. Purge Volume (10 well volumes) 15 gallons
Maximum Turbidity Allowed ____ NTUs
Stabilization of parameters ____%

	Yes	No	N/A
Has required volume been removed	☒	☐	☐
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☒	☐	☐

If no or N/A explain below:

Signature Date: 9-1-09

Well/Piez. ID: 14-A

Well/Piezometer Development Record

Client: ERI Site Location: High ST

Project No: 1219 Date: 9/26/19 Developer: C. GARVER

WELL/PIEZOMETER DATA

Well ☒ Piezometer ☐ Diameter Material

Measuring Point Description: Top of CASING | Geology at Screen Interval (if known):

Depth to Top of Screen (ft.): | Time of Water Level Measurement:

Depth to Bottom of Screen (ft.): | Calculate Purge Volume (gal.):

Total Well Depth (ft.): 14.5 | 80% Recovery (DTW):

Depth to Static Water Level (ft.): 6.0 | Wellhead PID/FID:

Pre-development | Post-development

Original Well Development ☒ Redevelopment ☐ Well under +/- pressure @opening:

DEVELOPMENT METHOD: SURGE/BAIL PURGE METHOD: Pump 2"

Field Testing Equipment Used: Make Model Serial Number

Field Testing Calibration Documentation Found in Field Notebook # _____ Page # _____

Time	Volume Removed (gal)	T° (C/F)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	Color	Odor	Other
10:30	INT	25.2	6.3	2.29	—		DB		
10:35	5 GAL	24.4	6.5	2.28	214		DB		W/DRY
10:55	10 GAL	24.3	6.4	1754	484.5		LB		
11:45	12 GAL	24.9	6.2	1673	175.4		CLDY		
11:47	15 GAL	24.4	6.5	1810	371.1		CLDY		W/DRY
12:02	17 GAL	24.6	6.7	1653	189.0		CLDY		W/DRY
12:10	20 GAL	24.6	6.7	1788	542.		CLDY B		W/DRY
12:32	22 GAL	25.5	6.3	1596	131.6		CLDY		
12:42	24 GAL	26.1	6.5	1620	~~162.~~ 184				

ACCEPTANCE CRITERIA (from workplan)

Min. Purge Volume (____ well volumes) _____ gallons

Maximum Turbidity Allowed _____ NTUs

Stabilization of parameters _____ %

	Yes	No	N/A
Has required volume been removed	☐	☐	☐
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☐	☐	☐

If no or N/A explain below:

Signature _____ Date: _____

Well/Piez. ID: 185

Well/Piezometer Development Record

Client: ERI Site Location: High St

Project No: 1219 Date: 9/2/02 Developer: D. GARVER

WELL/PIEZOMETER DATA

Well ☒ Piezometer ☐ Diameter Material

Measuring Point Description: Top of Casing | Geology at Screen Interval (if known)

Depth to Top of Screen (ft.) | Time of Water Level Measurement

Depth to Bottom of Screen (ft.) | Calculate Purge Volume (gal.)

Total Well Depth (ft.): 30.3 | 80% Recovery (DTW)

Depth to Static Water Level (ft.): 7.4 | Wellhead PID/FID

Pre-development | Post-development

Original Well Development ☒ Redevelopment ☐ Well under +/- pressure @opening

DEVELOPMENT METHOD: Surge/Bail PURGE METHOD: Pump 2"

Field Testing Equipment Used: Make Model Serial Number

Field Testing Calibration Documentation Found in Field Notebook # Page #

Time	Volume Removed (gal)	T° (C/F)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	Color	Odor	Other
8:55	INT	21.9	7.03	1381	—		DB		
9:00	5 GAL	21.1	6.9	1702	130.2		B		
9:05	15 GAL	21.1	7.03	1671	436.7		B		
9:10	25 GAL	21.1	7.05	1644	571.8		LB		
9:15	35 GAL	21.2	6.9	1644	151.1		Clay		
9:20	45 GAL	21.1	6.9	1649	52.19		TRANSLUCENT		
9:25	46 GAL	21.3	6.9	1645	45.72		TRANSLUCENT		
9:41	55 GAL								

ACCEPTANCE CRITERIA (from workplan)

Min. Purge Volume (10 well volumes) 40 gallons

Maximum Turbidity Allowed _____ NTUs

Stabilization of parameters _____%

	Yes	No	N/A
Has required volume been removed	☐	☐	☐
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☐	☐	☐

If no or N/A explain below:

Signature Date:

Well/Piez. ID: 19-A

Well/Piezometer Development Record

Client: ERI Site Location: High ST

Project No: 1219 Date: 9/3/09 Developer: C. GARVER

WELL/PIEZOMETER DATA

Well ☒ Piezometer ☐ Diameter Material

Measuring Point Description: Top of Casing

Depth to Top of Screen (ft.)

Depth to Bottom of Screen (ft.)

Total Well Depth (ft.): 13.10' | 2"

Depth to Static Water Level (ft.): 7' | 2"
Pre-development | Post-development

Geology at Screen Interval (if known)

Time of Water Level Measurement

Calculate Purge Volume (gal.)

80% Recovery (DTW)

Wellhead PID/FID

Original Well Development ☒ Redevelopment ☐

Well under +/- pressure @opening

DEVELOPMENT METHOD: Surge/Bail

PURGE METHOD: Pump 2"

Field Testing Equipment Used: Make Model Serial Number

Field Testing Calibration Documentation Found in Field Notebook # _____ Page # _____

Time	Volume Removed (gal)	T° (C/F)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	Color	Odor	Other
7:20	INT	21.9	7.24	1715	—		D.GRY		
7:32	3.0	23.4	7.2	1786	0.00		D.GRY	D.GRY	W/DRY
7:42	6.0	22.5	6.9	1417	638.8		CLDY GRY		W/DRY
8:02	8.0	23.3	7.3	1356	130.1		CLDY		W/DRY
8:17	10.0	23.1	7.0	1346	117.		CLDY		W/DRY
8:30	12.0	23.4	6.9	1355	137.2		CLDY		W/DRY
8:50	14.0	23.5	6.8	1372	161.3		CLDY		W/DRY

ACCEPTANCE CRITERIA (from workplan)
Min. Purge Volume (10 (3-5) well volumes) 12 gallons
Maximum Turbidity Allowed _____ NTUs
Stabilization of parameters _____%

	Yes	No	N/A
Has required volume been removed	☐	☐	☐
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☐	☐	☐

If no or N/A explain below:

Signature: [signature] Date: 9-3-09

Well/Piez. ID:

Well/Piezometer Development Record

Client: ERI Site Location: High ST

Project No: 1219 Date: 9/3/09 Developer: C. GARVER

WELL/PIEZOMETER DATA

Well ☒ Piezometer ☐ Diameter Material

Measuring Point Description: Top of Casing Geology at Screen Interval (if known)

Depth to Top of Screen (ft.)

Depth to Bottom of Screen (ft.) Time of Water Level Measurement

Total Well Depth (ft.): 23.11 | 2" Calculate Purge Volume (gal.)

Depth to Static Water Level (ft.): 7.0 | 80% Recovery (DTW)

Pre-development | Post-development

Wellhead PID/FID

Original Well Development ☒ Redevelopment ☐ Well under +/- pressure @opening

DEVELOPMENT METHOD: Surge/Bail PURGE METHOD: Pump 2"

Field Testing Equipment Used: Make Model Serial Number

Field Testing Calibration Documentation Found in Field Notebook # Page #

Time	Volume Removed (gal)	T° (C/F)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	Color	Odor	Other
9:28	INT	24.6	6.5	1784			DB		
9:30	3	23.4	6.4	1651	332.3		B		
9:33	6	23.	6.6	1769	92.95		B		
9:57	10	23.3	6.6	1706	904.2		LB		
10.10	12	24.1	6.5	1196	435.0		LB		
10.25	15	24.1	6.5	1166	121.6		CLDY		
10:40	17	24.4	6.6	1201	190.3		CLDY		
10:43	18	24.2	6.7	1183	119.7		CLDY		
10:46	19	24.2	6.7	1213	133.2		CLDY		

ACCEPTANCE CRITERIA (from workplan)

Min. Purge Volume (10 (3) well volumes) 17 gallons

Maximum Turbidity Allowed ____ NTUs

Stabilization of parameters ____%

	Yes	No	N/A
Has required volume been removed	☐	☐	☐
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☐	☐	☐

If no or N/A explain below:

Signature Date: 9-3-09

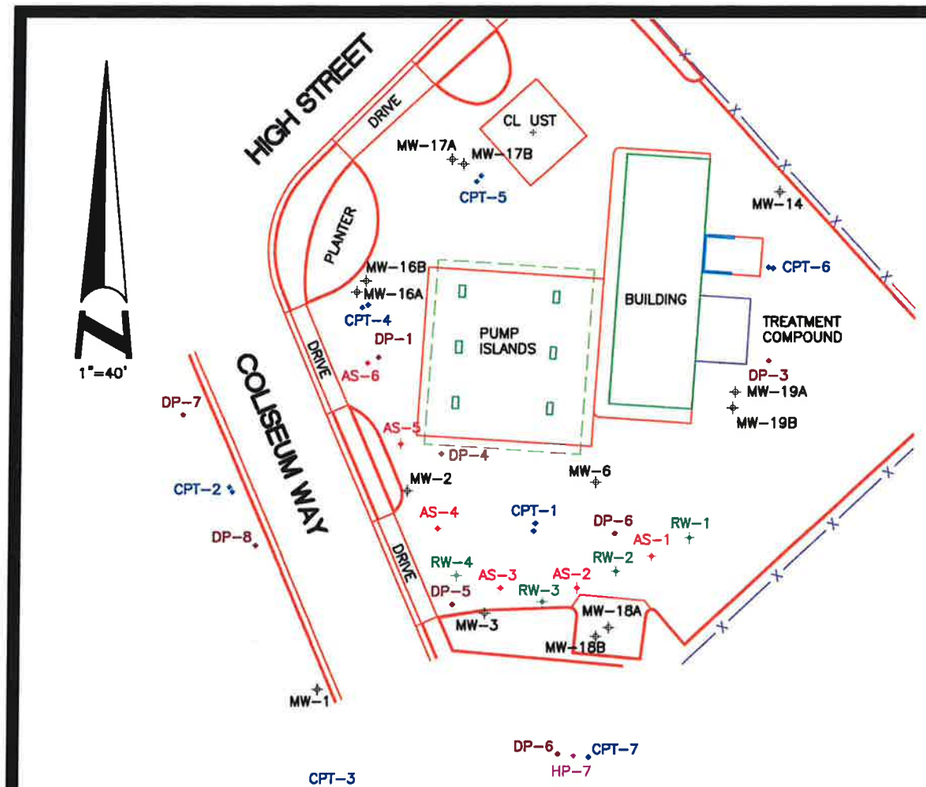
APPENDIX H

SURVEY DATA

Monitoring Well Exhibit

Prepared For:

Environmental Resolutions, Inc.



BASIS OF COORDINATES:

COORDINATES ARE CALIFORNIA STATE PLANE ZONE 3 COORDINATES FROM GPS OBSERVATIONS USING UNIVERSITY OF CALIFORNIA BAY AREA DEFORMATION CORS STATION OBSERVATION FILES AND BASED ON THE CALIFORNIA SPATIAL REFERENCE CENTER DATUM, REFERENCE EPOCH 2000.35.
COORDINATE DATUM IS NAD 83(CORS)
DATUM ELLIPSOID IS GRS80
REFERENCE GEOID IS GEOID99
CORS STATIONS USED WERE DIAB AND PBL1.
ELEVATIONS ARE BASED ON CITY OF OAKLAND BENCHMARK #12. MONUMENT IN BOX AT WALKWAY. ELEVATION=16.76'.

HP-12 CPT-12
HP-11 CPT-11

DESCRIPTION	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEV (PVC)	ELEV (RIM)	ELEV (GND)
MW-1	2106696.4	6064608.6	37.7680581	-122.2197328	12.79	13.01	
MW-2	2106763.9	6064638.6	37.7682450	-122.2196332	13.06	13.67	
MW-3	2106722.2	6064665.2	37.7681320	-122.2195386	13.71	13.95	
MW-6	2106766.7	6064702.3	37.7682558	-122.2194130	14.23	14.79	
MW-14	2106865.4	6064764.6	37.7685302	-122.2192039	15.14	15.78	
RW-1	2106748.0	6064734.5	37.7682062	-122.2193007	13.76	14.49	
RW-2	2106736.4	6064709.4	37.7681732	-122.2193867	13.45	14.26	
RW-3	2106726.0	6064684.5	37.7681433	-122.2194720	13.12	13.75	
RW-4	2106735.0	6064655.6	37.7681665	-122.2195727	12.65	13.27	
AS-1	2106741.8	6064721.4	37.7681887	-122.2193453			
AS-2	2106730.9	6064696.3	37.7681572	-122.2194317			
AS-3	2106730.7	6064670.5	37.7681555	-122.2195208			
AS-4	2106750.9	6064649.2	37.7682098	-122.2195958			
AS-5	2106779.7	6064636.2	37.7682884	-122.2196424			
AS-6	2106807.3	6064624.6	37.7683634	-122.2196843			
CPT-1(N)	2106752.8	6064681.9	37.7682166	-122.2194826			14.1
CPT-1(S)	2106750.2	6064681.4	37.7682096	-122.2194842			14.1
CPT-2(N)	2106765.0	6064577.7	37.7682448	-122.2198441			9.3
CPT-2(S)	2106763.4	6064578.6	37.7682407	-122.2198406			9.4
CPT-3(E)	2106659.5	6064614.9	37.7679571	-122.2197086			8.6
CPT-3(W)	2106659.3	6064613.3	37.7679566	-122.2197141			8.4
CPT-4(E)	2106827.0	6064624.5	37.7684177	-122.2196860			13.3
CPT-4(W)	2106826.2	6064622.6	37.7684151	-122.2196927			13.2
CPT-5(N)	2106870.8	6064662.5	37.7685398	-122.2195574			14.3
CPT-5(S)	2106868.9	6064661.0	37.7685344	-122.2195626			14.2
CPT-6(E)	2106839.4	6064762.6	37.7684587	-122.2192092			15.6
CPT-6(W)	2106839.7	6064761.0	37.7684593	-122.2192146			15.6
DP-1	2106809.2	6064628.3	37.7683688	-122.2196716			13.4
DP-3	2106808.1	6064761.4	37.7683726	-122.2192112			15.5
DP-4	2106776.4	6064650.1	37.7682798	-122.2195943			14.0
DP-5	2106725.1	6064654.2	37.7681394	-122.2195769			13.2
DP-6 (OLD)	2106749.4	6064708.9	37.7682088	-122.2193891			14.4
CL UST	2106885.6	6064680.0	37.7685812	-122.2194979			
DP-6 (NEW)	2106674.3	6064690.4	37.7680017	-122.2194485			
DP-7	2106789.4	6064562.0	37.7683113	-122.2198997			
DP-8	2106745.1	6064586.7	37.7681908	-122.2198115			
HP-7	2106673.7	6064695.7	37.7680003	-122.2194301			
CPT-7	2106673.3	6064700.8	37.7679994	-122.2194125			
HP-11	2106553.8	6064518.7	37.7676619	-122.2200347			
CPT-11	2106550.5	6064520.4	37.7676530	-122.2200284			
HP-12	2106577.3	6064638.0	37.7677326	-122.2196235			
CPT-12	2106579.3	6064640.3	37.7677382	-122.2196158			
MW-16A	2106831.3	6064620.8	37.7684291	-122.2196992	13.02	13.29	
MW-16B	2106835.1	6064623.9	37.7684398	-122.2196885	13.19	13.40	
MW-17A	2106876.4	6064652.9	37.7685545	-122.2195909	13.99	14.19	
MW-17B	2106874.7	6064656.7	37.7685502	-122.2195776	13.92	14.31	
MW-18A	2106717.5	6064707.2	37.7681210	-122.2193929	13.55	13.84	
MW-18B	2106714.4	6064702.8	37.7681125	-122.2194079	13.21	13.80	
MW-19A	2106797.5	6064749.9	37.7683428	-122.2192504	15.05	15.36	
MW-19B	2106792.2	6064749.2	37.7683282	-122.2192526	15.03	15.28	

Former Exxon 7-3006
720 High Street
Oakland
Alameda County
California

Morrow Surveying
LAND SURVEYORS
1255 Starboard Drive
West Sacramento
California 95691
(916) 372-8124
curt@morrowsurveying.com

Date: Nov., 2001
Scale: 1"= 40'
Sheet 1 of 1
Revised: 9-11-09
Field Book: MW-10,17,44
Dwg. No. 1873-065 ct

APPENDIX I

WASTE DOCUMENTATION

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. EM-73006 | 2. Page 1 of 1

3. Generator's Name and Mailing Address
EM-73006
720 High Street
Oakland, CA.

4. Generator's Phone ( )

ERI # 2010

5. Transporter 1 Company Name: ERI | 6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone (707) 766-2024

7. Transporter 2 Company Name | 8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Instrat
1105 C Airport Rd
Rio Vista, CA | 10. US EPA ID Number CAR000150599

E. State Facility's ID

F. Facility's Phone (707) 374-3834

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Haz purge water	1	Poly	250	GAL
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
Color- Brown
Odors - 0
Solids - 0

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name | Signature | Date: Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jose Salgado | Signature | Date: Month 9 Day 19 Year 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Instrat

Printed/Typed Name: Matt Belcher | Signature: Matt Belcher | Date: Month 9 Day 19 Year 09

NON-HAZARDOUS WASTE

InStrat, Inc.

A liquid waste disposal company

P.O. Box 2279 (530) 753-1829
Davis, CA 95617

8666

CUSTOMER P.O.

DATE 9-9-09

DAY OF WEEK Wednesday

CHARGE TO ERI

ADDRESS

ORIGIN ERI - 73006 · 720 High St.

DESTINATION Oakland, CA

DESCRIPTION				QTY / HRS	RATE	CHARGES	
X	Monitoring well dewatering / pump test			250			
	Auger rinsate		Underground storage tank (UST)				
	Spill/ release (not UST related)		Surface Impoundment				
	Drums		Above ground storage tank				
	Solids						
	Washout						
Color	Brown		Sani-chlor				
Odor			Filters				
Solids	%		Powersorb Sheet				
Other			Powersorb Boom				
Transporter ERI					SALES TAX		
					TOTAL TO COLLECT		

THIS TOTAL WILL STAND AS CORRECT UNLESS NOTIFIED OF CORRECTION WITHIN FIVE DAYS

TERMS NET 30 DAYS. THE CUSTOMER AGREES TO PAY A FINANCE CHARGE OF 2% PER MONTH, WHICH IS AN ANNUAL RATE OF 24% ON PAST DUE ACCOUNTS.

SIGNED BY X

4276823

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	800-875-1065	587127-020808

5. Generator's Name and Mailing Address
ExxonMobil Environmental Services (73005)
3700 W 190th St., TPT 9-1015
Torrance, CA USA
Generator's Phone: 800-875-1065

Generator's Site Address (if different than mailing address)
73005, 720 High St
Oakland, CA USA

6. Transporter 1 Company Name: DILLARD ENVIRONMENTAL SERVICES — U.S. EPA ID Number: CA[illegible]

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
[illegible] - Buttonwillow
2500 West Lokern Rd.
Buttonwillow, CA 93206 USA
Facility's Phone: 661-762-6200
U.S. EPA ID Number: CAD980675276

	9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
GENERATOR	1. Non-Hazardous Waste Solids (Drill Cuttings)	18	DM	8000	P
	2. Non-Hazardous Waste Liquid (Sludge)	14	DM	7000	P
	3.				
	4.				

13. Special Handling Instructions and Additional Information
Dillard Project #: 587-127 SO# ~~7J2490900~~ DJ2491848
Ln 1 - pc: CH[illegible]-Exxon
Ln 2 - pc: CH[illegible]-Exxon

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: On Behalf of ExxonMobil: Paul Sime / Environmental Resolutions, Inc. — Signature: [signature] — Month 9 Day 9 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: ____
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PAUL RENDARTS — Signature: [signature] — Month 09 Day 17 Year 09
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Charles Terry — Signature: [signature] — Month 09 Day 18 Year 09

169-BLC-O 5 10498 (Rev. 8/06) DESIGNATED FACILITY TO GENERATOR