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Jennifer C. Sedlachek
Project Manager

ExxonMobil

February 28, 2011

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 #79374/990 San Pablo Avenue, Albany, California.

Dear Ms. Jakub:

Attached for your review and comment is a copy of the letter report entitled ***Site Assessment Report,*** dated February 28, 2011, for the above-referenced site. The report was prepared by Cardno ERI of Petaluma, California, and details assessment activities at the subject site.

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

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

Sincerely,

Jennifer C. Sedlachek
Project Manager

Attachment: Cardno ERI's ***Site Assessment Report,*** dated February 28, 2011

cc: w/ attachment
Ms. Muriel T. Blank, Trustee, The Blank Family Trusts
Reverend Deborah Blank, Trustee, The Blank Family Trusts
Ms. Marcia Blank Kelly, The Blank Family Trusts

w/o attachment
Ms. Paula Sime, Cardno ERI

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February 28, 2011
Cardno ERI 273503.R02

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

SUBJECT **Site Assessment Report**
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Alameda County #RO00002974

Ms. Sedlachek:

At the request of ExxonMobil Environmental Services (EMES), on behalf of Exxon Mobil Corporation, Cardno ERI prepared this site assessment report for the subject site (Plate 1). The purpose of this work is to evaluate the stratigraphy beneath the site, identify water-bearing zones, delineate the vertical extent of dissolved-phase petroleum hydrocarbons in groundwater, and provide ongoing monitoring points for evaluation of dissolved-phase hydrocarbon concentrations in groundwater and to define the groundwater flow direction beneath the site. This work was requested by the Alameda County Health Care Services Agency, Environmental Health Services (ACEH) in a letter dated June 30, 2008. The work was conducted in accordance with the *Work Plan for Soil and Groundwater Assessment* (Work Plan), dated March 15, 2010 (ERI, 2010).

The work consisted of the installation of groundwater monitoring wells MW1 through MW6 and the advancement of CPT borings CPT1 and CPT2 and Hydropunch® (HP) borings HP1A, HP1B, HP2A, and HP2B at the subject site (Plate 2). Based on the results of the investigation, Cardno ERI concludes that the groundwater flow

direction beneath the site is to the north. The vertical extent of hydrocarbons in soil and groundwater are delineated.

SITE DESCRIPTION

Former Exxon Service Station 79374 is located at 990 San Pablo Avenue, on the northwestern corner of the intersection of Buchanan Street and San Pablo Avenue, Albany, California (Plate 1). The site is currently occupied by a retail outlet for Benjamin Moore paints and painting products and associated paved asphalt driveway and parking area. The surrounding areas consist of residential and commercial properties.

According to City of Albany building permits issued in 1951, a service station owned by Signal Oil Company occupied the site. Humble Oil company acquired the site in approximately 1967 from Standard Oil Company of California (Chevron) rebranding the site as an Enco station. The station was rebranded as an Exxon service station in 1972. The service station was demolished in 1983; during demolition activities, one used-oil UST and four gasoline USTs were removed and the tank cavity was backfilled with sand to 90% compaction (City of Albany permit 82-0708). The location of the former used-oil UST is not apparent. The approximate locations of the former dispenser island and UST cavity are shown on Plate 2.

GEOLOGY AND HYDROGEOLOGY

The site lies at an approximate elevation of 40 feet above msl, and the local topography slopes toward the southwest. The site is located along the eastern margin of the San Francisco Bay within the East Bay Plain (Hickenbottom and Muir, 1988). The surficial deposits in the site vicinity are mapped as Holocene alluvial fan and fluvial deposits (Graymer, 2000). The site is located approximately 1,630 feet north-northwest of Cordornices Creek. The active northwest trending Hayward fault is located approximately 1½ mile northeast of the site.

The East Bay Plain is regionally divided into two major groundwater basins: the San Pablo and the San Francisco Basin. These basins are tectonic depressions that are filled primarily with a sequence of coalescing alluvial fans. The San Francisco Basin is further divided into seven sub-areas. The site is located in the Berkeley Sub-Area, which is filled primarily by alluvial deposits that range from 10 to 300 feet thick with poorly defined aquitards (CRWQCB, 1999). Under natural conditions, the direction of groundwater flow in the East Bay Plain is east to west.

Assessment activities indicate that the soil beneath the site consists of clayey sandy gravel and silty to sandy clay with varying amounts of silt and sand to 21.5 feet bgs, the maximum depth investigated (EC&A, 2008).

Free groundwater occurs in the sand and sandy gravel layer from approximately 8 to 12 feet bgs. During the April 2009 groundwater monitoring event conducted at the Arco Station 2035 at 1001 San Pablo Avenue, Albany, located approximately 550 feet south-southeast of the site, the groundwater flow direction was to the west with a horizontal gradient of 0.02 (Broadbent, 2009).

PREVIOUS WORK

Environmental work has been conducted at the site since 2007. Previous work has included the drilling of soil borings and collection of grab samples. Cumulative groundwater analytical results are included in Tables 1A and 1B. Cumulative soil analytical results are presented in Table 2A and 2B.

Fueling System Activities

In 1983, one used-oil UST and four gasoline USTs were removed and the tank cavity was backfilled with sand to 90% compaction (City of Albany permit 82-0708).

Site Assessment Activities

Six exploratory borings (B1 through B6) were advanced on site in 2008 (EC&A, 2008). Two soil samples were collected from each boring at approximately 5.5 and 10.5 feet bgs. Maximum concentrations of TPHg, TPHd, and benzene were reported in the soil samples collected at 10.5 feet bgs in borings B1 and B2 at 7,200 mg/kg (B1); 1,400 mg/kg (B1 and B2); and 13 mg/kg (B2); respectively. Grab groundwater results indicated maximum dissolved-phase TPHg, TPHd, and benzene concentrations of 77,000 µg/L (B2); 99,000 µg/L (B1); and 1,500 µg/L (B2), respectively. The laboratory reported an immiscible sheen present in the groundwater samples collected from borings B1 and B2.

SUBSURFACE INVESTIGATION

After a review of assessment activities performed in January of 2008 by Edd Clark & Associates (EC&A), the ACEH required additional assessment to further evaluate the lateral and vertical extent of hydrocarbons in soil and groundwater. The ACEH requested a site assessment be performed utilizing CPT technology to evaluate the possible extent of dissolved-phase hydrocarbons and the installation of a monitoring well network (Appendix A).

In response to the ACEH request, ERI proposed the installation of wells MW1 through MW6 and the advancement of borings CPT1/HP1A/HP1B and CPT2/HP2A/HP2B at the subject site. Cardno ERI performed

the fieldwork in accordance with the Work Plan, Cardno ERI's standard field protocol (Appendix B), a site-specific safety plan, applicable regulatory guidelines, and under the advisement of a professional geologist.

Pre-Field Activities

Prior to field activities, Cardno ERI obtained drilling permits from the Alameda County Public Works Agency (the County) (Appendix C), notified Underground Service Alert (USA), and contracted a private utility-locating company to locate underground utilities at the site. From October 19 and 22, 2010, and on November 1, 2010, Cardno ERI observed Woodward Drilling, Company (Woodward) advance soil borings MW1 through MW3 and CPT1/HP1A/HP1B to 5 feet bgs and borings MW4 through MW6 and CPT2/HP2A/HP2B to 8 feet bgs using hand tools and vacuum equipment in accordance with EMES' subsurface clearance protocol. During clearance activities, samples were collected for classification according to the USCS using visual and manual methods, and PID screening. Select soil samples were submitted for laboratory analysis.

Cone Penetration Test and Hydropunch Borings

Between October 27 and 29, 2010, Cardno ERI observed Gregg Drilling and Testing (Gregg) advance two sets of CPT/HP borings (CPT1/HP1A/HP1B and CPT2/HP2A/HP2B) to depths of approximately 60 and 62 feet bgs, respectively. During the advancement of the CPT borings, one pore pressure dissipation tests was performed at boring CPT2 at 40 feet bgs.

Following CPT soundings, grab groundwater samples were collected at depth-discrete intervals as listed in the following table.

Depth at which Grab Groundwater Samples Were Collected

Boring ID	Sample ID	Screened Interval (feet bgs)	Elapsed Time
HP1A	Not Applicable	9 to 14	40 minutes; borehole dry
HP1A	W-27.5-HP1A	25 to30	60 minutes
HP1A	W-36-HP1A	34 to 38	40 minutes
HP1A	W-46.5-HP1A	45 to 48	30 minutes
HP1B	W-60.5-HP2A	57 to 61	23 minutes
HP2A	Not Applicable	8 to 14	60 minutes; borehole dry
HP2A	W-27.5-HP2A	25 to 30	40
HP2A	Not Applicable	38 to 42	60 minutes; borehole dry
HP2A	W-52-HP2A	50 to 54	0
HP2B	W-59-HP2B	59 to 63	10 minutes

The depth intervals correspond to distinct coarser-grained units identified during CPT soundings. Grab groundwater samples were submitted for laboratory analysis. Each CPT and HP boring was backfilled through the rods using cement slurry from total depth of the boring to the ground surface.

Boring locations are shown on Plate 2. Standard field protocols are included in Appendix B. CPT logs and graphs showing the results of the dissipation test were provided by Gregg and are presented in Appendix D.

Groundwater Monitoring Well Installations

From November 2 to 8, 2010, Cardno ERI observed Woodward install groundwater monitoring wells MW1 through MW6. Select soil samples were preserved for laboratory analysis.

Borings MW1 and MW4 through MW5 were completed as 2-inch PVC monitoring wells with 0.020-inch slotted PVC screen. Borings MW2 and MW3 were completed as 4-inch PVC monitoring wells with 0.020-inch slotted PVC screen. Well construction details are presented on the boring logs in Appendix E and in Table 3.

Well Development

On November 9 and 10, 2010, Cardno ERI observed Woodward develop monitoring wells MW1 through MW6 using a drill rig equipped with a 2-inch and 4-inch diameter surge block and an electric pump equipped with a digital flow meter. Field data are included in Appendix F.

Groundwater Monitoring and Sampling

On December 16, 2010, Cardno ERI performed monitoring and sampling activities for the six newly installed wells at the site. Groundwater samples were obtained from each of the monitoring wells in accordance with the field protocol (Appendix B), and submitted for laboratory analyses. NAPL was not observed in the groundwater monitoring wells.

Laboratory Analyses

Cardno ERI submitted soil and groundwater samples for analysis to a state-certified laboratory. Laboratory analytical reports and COC records are provided in Appendix G. Cumulative groundwater and soil sample analytical data and testing methods are summarized in Tables 1A and 1B and 2A and 2B, respectively.

Site Survey

On December 1, 2010, Cardno ERI observed Cardno WRG of Roseville, California, survey the locations and elevations of borings CPT1, CPT2, HP1A, HP1B, HP2A, and HP2B and the locations, well box elevations, and TOC elevations for wells MW1 through MW6. The survey data is included in Appendix H.

Waste Management Plan

Soil and rinsate and purge water generated during assessment activities was stored in 55-gallon metal drums on site pending characterization and disposal. Cardno ERI collected one composite soil sample from the drums for laboratory analysis to evaluate disposal options. Soil stockpile analytical results are presented in Tables 2A and 2B. Laboratory analytical reports and COC records are provided in Appendix G.

On November 19, 2010, 340 gallons of rinseate and purge water was transported to InStrat Inc., of Rio Vista, California, for disposal. On November 23, 2010, Cardno ERI observed Belshire Environmental Services, Inc. (Belshire), of Foothill Ranch, California, under direct contract to EMES, remove sixteen 55-gallon drums from the site. The 15 drums containing soil were transported to TPST Soil Recyclers of California in Adelanto, California, and one drum containing water was transported to Crosby and Overton of Long Beach, California, EMES-approved disposal facilities. On December 17, 2010, 49 gallons of purge water associated with monitoring and sampling activities, was transported to InStrat Inc. for disposal. Waste disposal documentation is included in Appendix H.

RESULTS OF INVESTIGATION

Site Geology

During this investigation, native soil observed beneath the site consisted of clays and silts from 1 to 17 feet bgs. Two layers of sand and clayey sand were observed at depths between approximately 8 to 10 feet bgs and 11 to 13.5 feet bgs in borings MW1 through MW4. In borings MW5 and MW6, clayey sand was observed from 11 to 15.5 feet bgs and 12 to 20 feet bgs, respectively, the total depth drilled.

Alternating layers of sandy silt, clayey silt, and silty clay were identified by means of CPT from 20 to 60 feet bgs. Up to 2-foot thick layers of very stiff fine-grained cemented material and stringers of cemented sand were present from 20 to 30 feet bgs and at 35 feet bgs in boring CPT1 and at 42 feet bgs in boring CPT2. A sand stringer was identified at 46 feet bgs and cemented sands were identified from 57 to 60 feet bgs in boring CPT1; sand was identified at 62 feet bgs in boring CPT2, the maximum depth explored.

Site Hydrogeology

During drilling activities, groundwater was first encountered at depths ranging from 8.5 to 20 feet bgs. DTW in the completed wells ranged from 6.10 to 9.18 feet below TOC. Deeper water-bearing zones were also identified on the CPT logs, with water encountered in the depth intervals of 25 to 30 feet bgs (HP1A and HP1B), 34 to 38 feet bgs (HP1A), 45 to 48 feet bgs (HP1A), 50 to 54 feet bgs (HP2A, 57 to 61 feet bgs (HP1B), and 59 to 63 feet bgs (HP2B) in the adjacent HP borings.

Hydrocarbons in Soil

A total of 19 soil samples were submitted for analyses as part of assessment activities. The maximum concentrations of TPHg, TPHd, and TPHmo were 450 mg/kg, 93 mg/kg, and 29 mg/kg, respectively in sample S-10.5-MW5, with the exception of 2.2 mg/kg for TPHg reported in sample S-15.5-MW3 and in S-14.5-MW6, respectively. Concentrations of TPHg, TPHd, and TPHmo were not reported above the laboratory reporting limit in soil samples collected beneath 10.5 feet bgs. Concentrations of benzene, MTBE, TBA, DIPE, ETBE, TAME, 1,2-DCA, and EDB were not reported in the 19 soil samples collected during this investigation. Cumulative soil sample analytical results are presented as Tables 2A and 2B. Select analytical results are shown on Plate 3.

Hydrocarbons in Groundwater

During this investigation, seven depth-discrete grab groundwater samples were collected from HP borings along the eastern (HP1A and HP1B) and the western (HP2A and HP2B) edge. Groundwater samples from borings HP1A and HP2A contained dissolved-phase concentrations of TPHmo, TPHd, TPHg, and benzene; the maximum concentrations were reported at 260 µg/L (HP1A), 330 µg/L (HP1A) and 340 µg/L (HP2A) and 1.7 µg/L, respectively. Groundwater samples from borings HP1B and HP2B, collected at depths of 59 and 60.5 feet bgs, respectively, contained dissolved-phase concentrations of TPHd at 130 µg/L and 62 µg/L, respectively. Concentrations of MTBE, DIPE, ETBE, TAME, 1,2-DCA, and EDB were not reported in grab groundwater samples collected from any of the HP borings during this investigation.

Concentrations of TPHd, TPHg, and/or BTEX were reported in each of the newly installed groundwater monitoring wells MW1 through MW6. The maximum concentrations of TPHd, TPHg, and benzene were reported at 27.5 feet bgs at 2,9000 µg/L (MW3), 19,000 µg/L (MW3), and 440 µg/L (MW4), respectively. Concentrations of TPHmo, DIPE, ETBE, TAME, 1,2-DCA, and EDB were not reported at or above the laboratory reporting limits groundwater samples collected from the wells during this investigation. Cumulative groundwater results are presented in Tables 1A and 1B. A groundwater elevation map and select analytical results are shown on Plate 4 and 5, respectively.

CONCLUSIONS

Based on the results of this investigation, Cardno ERI's concludes that:

- The lateral and vertical extent of hydrocarbons in soil is adequately defined across the site.
- Soil samples collected at or above first-encountered groundwater in the soil borings contained concentrations of petroleum hydrocarbons below or near the laboratory reporting limits.
- The hydrocarbon concentrations present at or below 10 feet bgs may be influenced by the presence of dissolved-phase hydrocarbons in groundwater.
- Groundwater monitoring data indicate that dissolved hydrocarbons are present in shallow groundwater. The maximum concentrations of dissolved-phase hydrocarbons were reported in wells MW3 and MW4 screened from 11 to 16 feet bgs and 8 to 13 feet bgs, respectively.
- Dissolved-phase hydrocarbons are delineated vertically at the site with petroleum hydrocarbon concentrations absent or near the laboratory reporting limits in the deeper water-bearing zones.
- Groundwater analytical data indicate that the distribution of petroleum hydrocarbons in groundwater is delineated to the east.

RECOMMENDATIONS

Cardno ERI recommends the quarterly monitoring of wells MW1 through MW6 for one year to evaluate groundwater flow direction.

CONTACT INFORMATION

The responsible party contact is Ms. Jennifer C. Sedlachek, ExxonMobil Environmental Services, 4096 Piedmont Avenue #194, Oakland, California 94611. The consultant contact is Ms. Paula Sime, Cardno ERI., 601 North McDowell Boulevard, Petaluma, California 94954. The agency contact is Ms. Barbara Jakub, Alameda County Health Care Services Agency, Environmental Health Services, 1131 Harbor Bay Parkway, Suite 250, Alameda, California, 94502-6577.

LIMITATIONS

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

This document 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.

Please contact Ms. Paula Sime, Cardno ERI's project manager for this site, at (707) 766-2000 with any questions regarding this site.

Sincerely,

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

Ms. Muriel T. Blank, Trustee, The Blank Family Trusts, 1164 Solano Avenue, #406, Albany, California, 94706

Reverend Deborah Blank, Trustee, The Blank Family Trusts, 1563 Solano Avenue, #344, Berkeley, California, 94707

Ms. Marcia Blank, Trustee, The Blank Family Trusts, 641 SW Morningside Road, Topeka, Kansas, 66606

Enclosures:

References

Acronym List

Plate 1	Site Vicinity Map
Plate 2	Generalized Site Plan
Plate 3	Select Soil Analytical Results
Plate 4	Select Groundwater Analytical Results
Plate 5	Groundwater Elevation Map

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

Appendix A	Correspondence
Appendix B	Field Protocols
Appendix C	Permits
Appendix D	CPT Protocol and Report
Appendix E	Boring Logs
Appendix F	Field Data
Appendix G	Laboratory Analytical Reports
Appendix H	Survey Data
Appendix I	Waste Documentation

REFERENCES

Broadbent & Associates, Inc. (Broadbent). July 15, 2009. *Second Quarter 2009 Semi-Annual Ground-Water Monitoring Report, Atlantic Richfield Company Station #2035, 1001 San Pablo Avenue, Albany, California.* Broadbent Project No. 06-88-610

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Edd Clark & Associates (EC&A). January 31, 2008. *Report of Phase II Environmental Assessment, 990 San Pablo Avenue, Albany, California 94706.* EC&A Project No 0589,002.07.

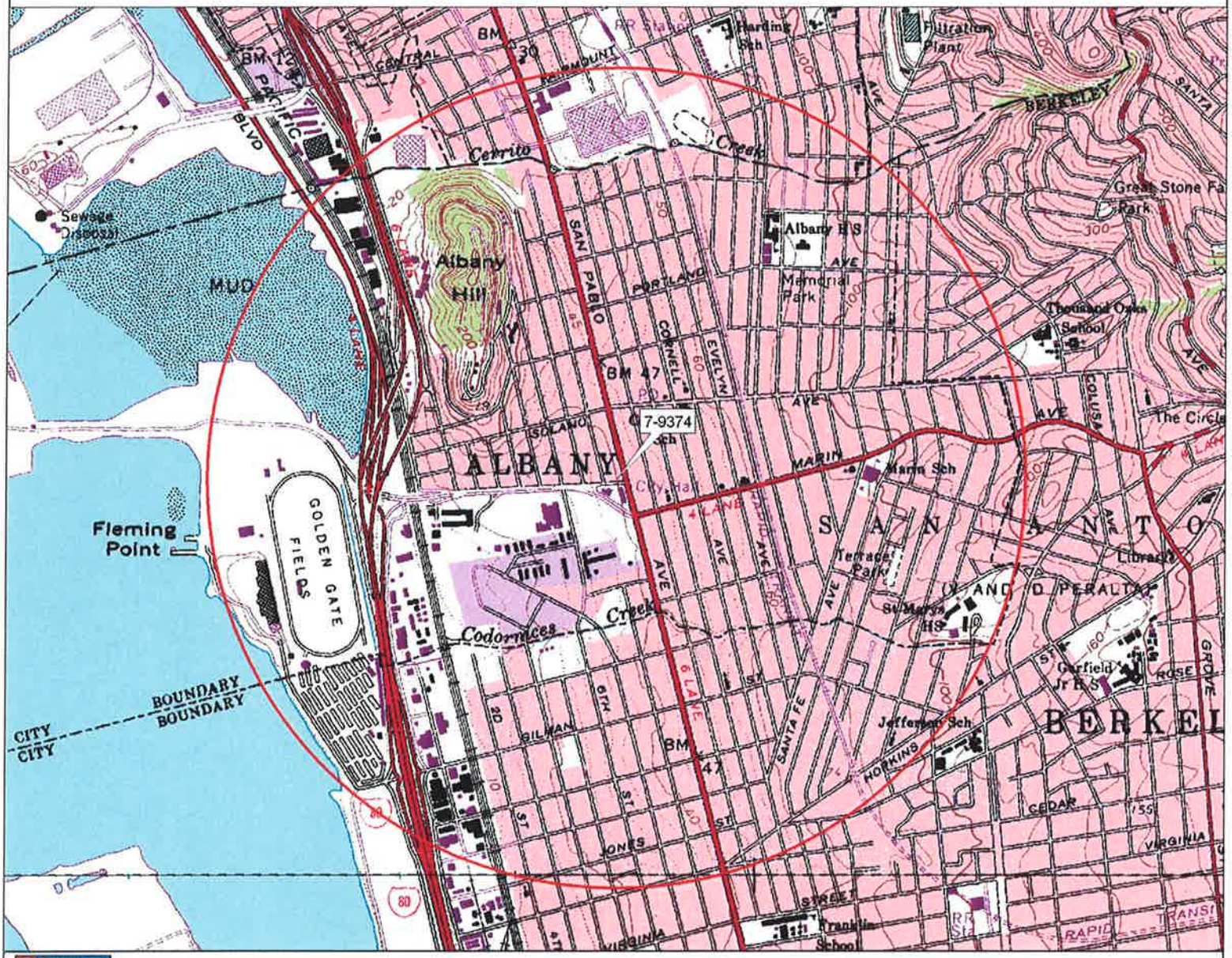
Environmental Resolutions, Inc. March 15, 2010. *Work Plan for Soil and Groundwater Assessment, Former Exxon Service Station 79374, 990 San Pablo Avenue, Albany, California , Alameda County #RO00002974.* ERI 273503.W01

Graymer, R.W. 2000. Geologic map and map database of the Oakland metropolitan area, Alameda, Contra Costa, and San Francisco Counties, California. USGS, Miscellaneous Field Studies MF-2342.

Hickenbottom, Kelvin and Muir, Kenneth S. June 1988. *Geohydrogeology and Groundwater Quality Overview of the East Bay Plain Area, Alameda County, CA.* Alameda County Flood Control and Water Conservation District. 83p.

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 2735 TOPO

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

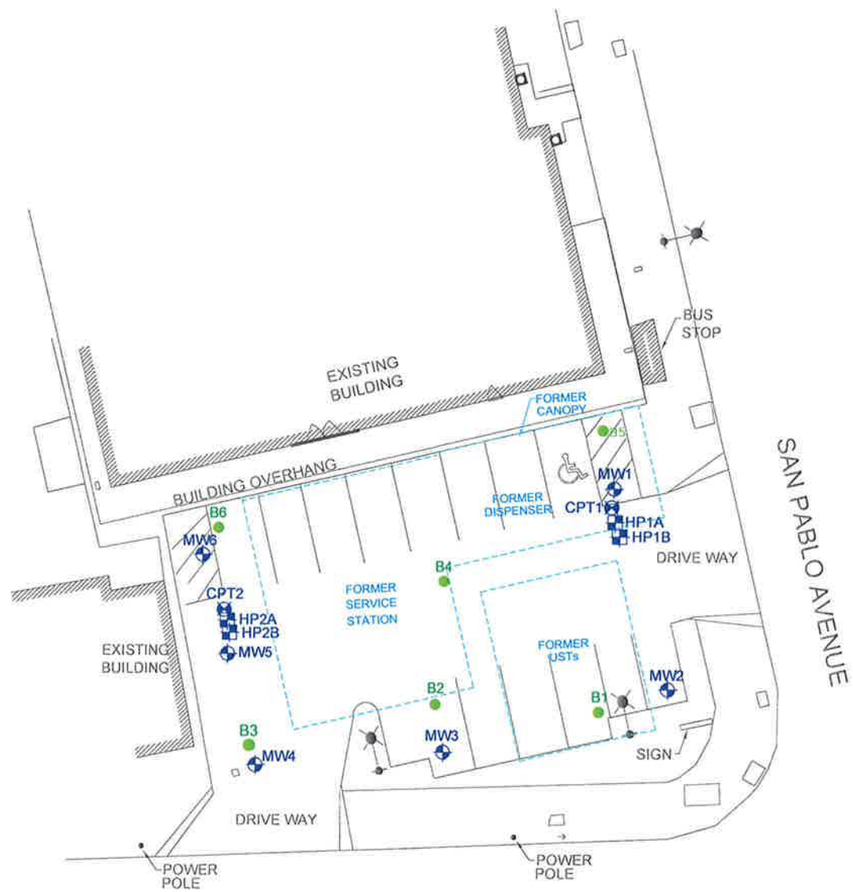
Cardno ERI
Shaping the Future

SITE VICINITY MAP

FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

PROJECT NO.
2735

PLATE
1



APPROXIMATE SCALE

0 30 60 Feet

FN 2735 10 R01 GSP_SP

SOURCE:
Location of former station features approximate, based on areial photograph interpretation

Cardno ERI
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GENERALIZED SITE PLAN

FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

EXPLANATION

- MW6 Groundwater Monitoring Well
- B6 Soil Boring
- HP2B Hydropunch Boring
- CPT2 Cone Penetration Test Boring

PROJECT NO. 2735

PLATE 2

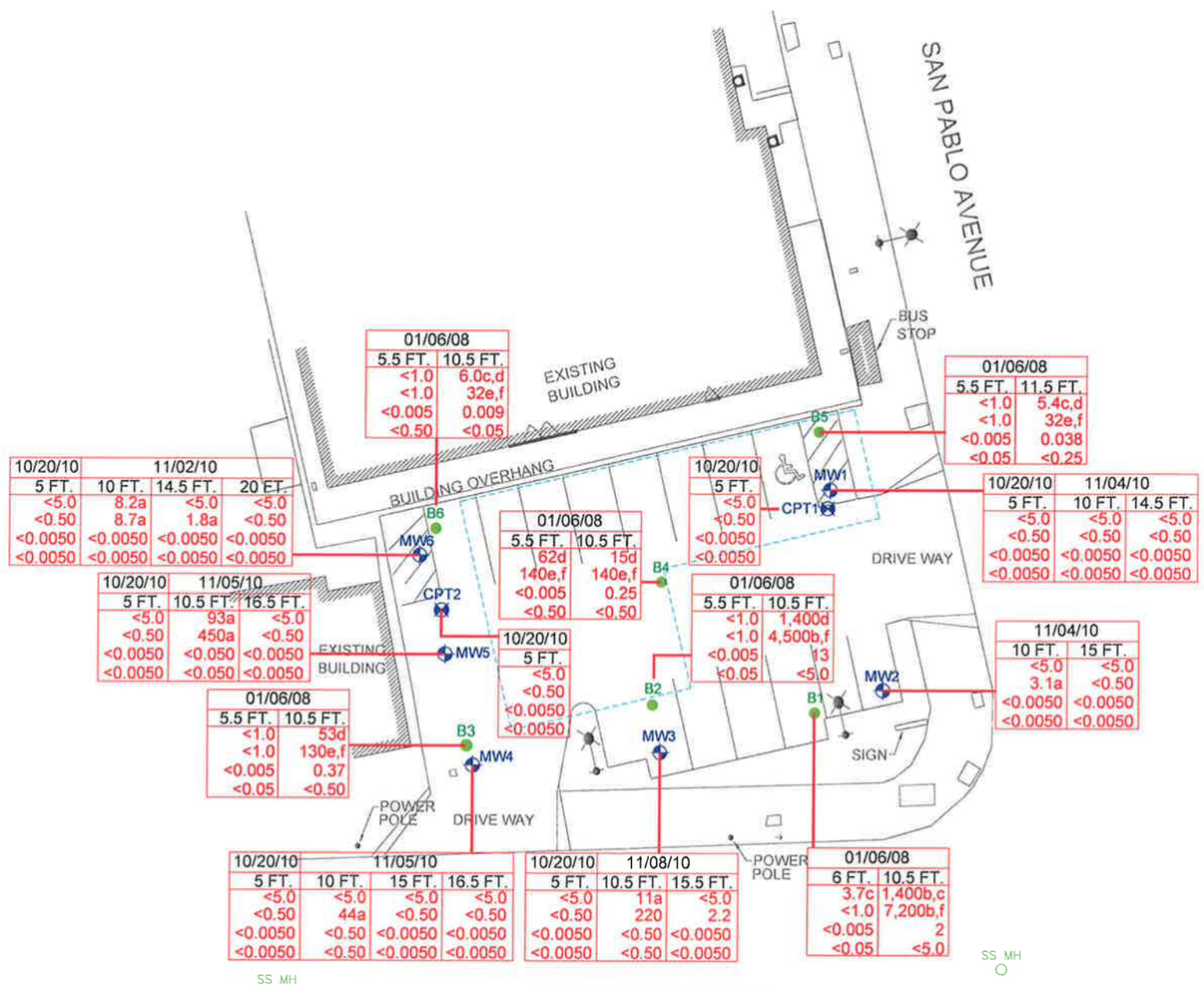
Analyte Concentrations in mg/kg

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 The sample chromatographic pattern does not match that of the specified standard.
- b Heavier gasoline range compounds are significant.
- c Diesel range compounds are significant; no recognizable pattern.
- d Gasoline range compounds are significant.
- e Strongly aged gasoline or diesel range compounds are significant.
- f No recognizable pattern.

NOTE:

Historical data shown in lightly shaded boxes.



APPROXIMATE SCALE

0 30 60 Feet

FN 2735 10 R02 SOIL ANALYTICAL_SP

Cardno ERI
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SELECT SOIL ANALYTICAL RESULTS

FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

EXPLANATION

- MW6 Groundwater Monitoring Well
- CPT2 Cone Penetration Test Boring
- B6 Soil Boring

PROJECT NO. 2735

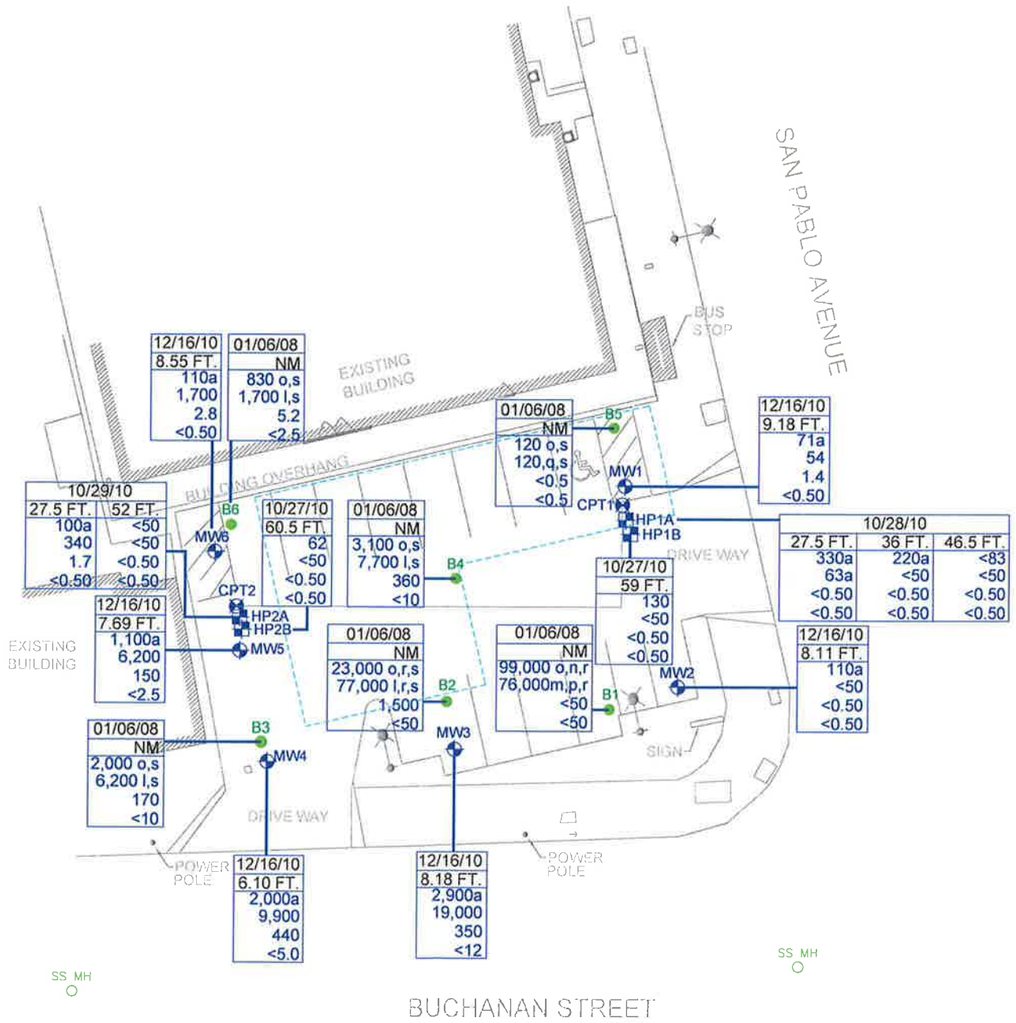
PLATE 3

Analyte Concentrations in ug/L

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
- ug/L Micrograms per Liter
- NM Not Measured
- a Sample chromatographic pattern does not match that of the specified standard.
- l Unmodified or weakly modified gasoline is significant.
- m Heavier gasoline range compounds are significant.
- n Diesel range compounds are significant; no recognizable pattern.
- o Gasoline range compounds are significant.
- p No recognizable pattern.
- q Strongly aged gasoline or diesel compounds are significant.
- r Lighter than water immiscible sheen/product is present.
- s Liquid sample that contains greater then approximately 1 volume % sediment.

NOTE:
Hystorical data shown in lightly shaded boxes.



APPROXIMATE SCALE

0 30 60 Feet

FN 2735 11 R02 GW ANALYTICAL_SP

Cardno ERI
Shaping the Future

SELECT GROUNDWATER ANALYTICAL RESULTS

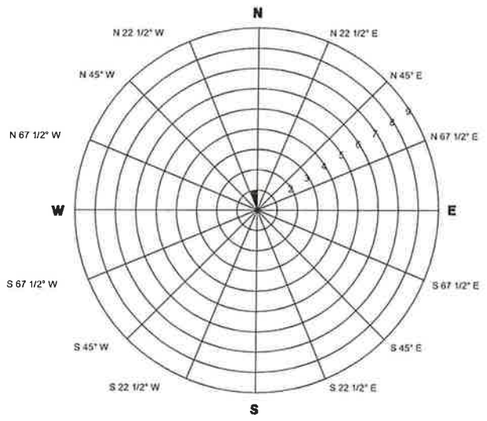
FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

EXPLANATION

- MW6 Groundwater Monitoring Well
- B6 Soil Boring
- HP2B Hydropunch Boring
- CPT2 Cone Penetration Test Boring

PROJECT NO. 2735

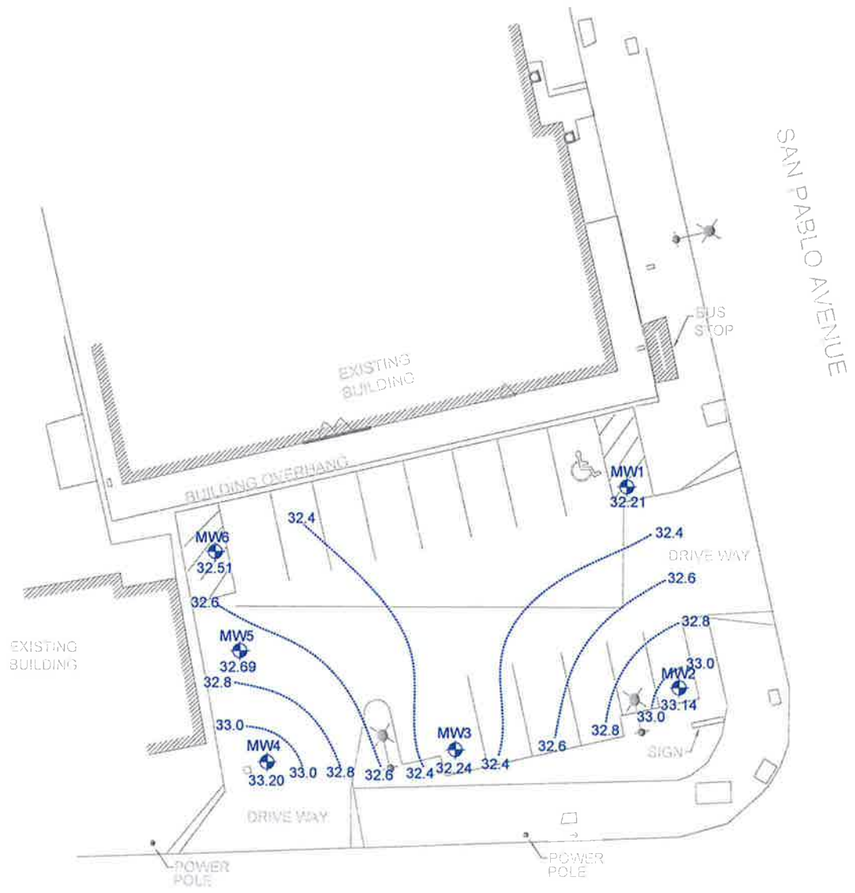
PLATE 4



Rose diagram developed by evaluating the groundwater gradient direction from the quarterly monitoring data. Each circle on the rose diagram represents the number of monitoring events that the gradient plotted in that 22 1/2 degree sector.

1 Data Points Shown

GROUNDWATER FLOW DIRECTION ROSE DIAGRAM



APPROXIMATE SCALE

0 30 60 Feet

FN 2735 11 R02 GW ELEVATION_SP

Cardno ERI
Shaping the Future

GROUNDWATER ELEVATION MAP

FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

EXPLANATION

MW6 Groundwater Monitoring Well

32.51 Groundwater elevation in feet; datum is mean sea level

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

PROJECT NO. 2735

PLATE 5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
Monitoring Well Samples															
MW1	11/04/10	---	Well installed.												
MW1	12/01/10	---	41.45	Well surveyed.											
MW1	**12/16/10**	**---**	**41.45**	**9.18**	**32.27**	**No**	**---**	**<250**	**71a**	**54**	**<0.50**	**1.4**	**0.65**	**0.58**	**1.6**
MW2	11/04/10	---	Well installed.												
MW2	12/01/10	---	41.25	Well surveyed.											
MW2	**12/16/10**	**---**	**41.25**	**8.11**	**33.14**	**No**	**---**	**<250**	**110a**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
MW3	11/08/10	---	Well installed.												
MW3	12/01/10	---	40.42	Well surveyed.											
MW3	**12/16/10**	**---**	**40.42**	**8.18**	**32.24**	**No**	**---**	**<250**	**2,900a**	**19,000**	**<12**	**350**	**130**	**940**	**290**
MW4	11/05/10	---	Well installed.												
MW4	12/01/10	---	39.30	Well surveyed.											
MW4	**12/16/10**	**---**	**39.30**	**6.10**	**33.20**	**No**	**---**	**<250**	**2,000a**	**9,900**	**<5.0**	**440**	**40**	**170**	**380**
MW5	11/11/10	---	Well installed.												
MW5	12/01/10	---	40.38	Well surveyed.											
MW5	**12/16/10**	**---**	**40.38**	**7.69**	**32.69**	**No**	**---**	**<250**	**1,100a**	**6,200**	**<2.5**	**150**	**96**	**270**	**980**
MW6	11/03/10	---	Well installed.												
MW6	12/01/10	---	41.06	Well surveyed.											
MW6	**12/16/10**	**---**	**41.06**	**8.55**	**32.51**	**No**	**---**	**<250**	**110a**	**1,700**	**<0.50**	**2.8**	**1.2**	**61**	**46**
Grab Groundwater Samples															
B-1W	01/06/08	---	---	---	---	---	26r,s	<5,000	99,000o,n,r	76,000m,p,r	<50	<50	93	3,100	9,600
B-2W	01/06/08	---	---	---	---	---	---	310s	23,000o,r,s	77,000 l,r,s	<50	1,500	300	2,000	6,800
B-3W	01/06/08	---	---	---	---	---	---	<250s	2,000o,s	6,200 l,s	<10	170	32	740	250
B-4W	01/06/08	---	---	---	---	---	---	<250s	3,100o,s	7,700 l,s	<10	360	<10	240	20
B-5W	01/06/08	---	---	---	---	---	---	<250s	120o,s	120q,s	<0.5	<0.5	<0.5	<0.5	<0.5
B-6W	01/06/08	---	---	---	---	---	---	<250s	830o,s	1,700 l,s	<2.5	5.2	<2.5	100	8.6
DR-W	01/06/08	---	---	---	---	---	---	<250	96o	730m,p	<0.5	<0.5	<0.5	6.9	14

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
W-27.5-HP1A	10/28/10	27.5	---	---	---	---	---	260	330a	63a	<0.50	<0.50	<0.50	<0.50	<0.50
W-36-HP1A	10/28/10	36	---	---	---	---	---	<250	220a	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-46.5-HP1A	10/28/10	46.5	---	---	---	---	---	<420	<83	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-59-HP1B	10/27/10	59	---	---	---	---	---	<250	130	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-27.5-HP2A	10/29/10	27.5	---	---	---	---	---	<250	100a	340	<0.50	1.7	2.1	20	46
W-52-HP2A	10/29/10	52	---	---	---	---	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-60.5-HP2B	10/27/10	60.5	---	---	---	---	---	<250	62	<50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, 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 0.76)].
NAPL	=	Non-aqueous phase liquid.
O&G	=	Oil and grease with silica gel clean-up analyzed using Standard Method 5520B/F.
TPHmo	=	Total petroleum hydrocarbons as motor oil analyzed using EPA Method 8015 (modified).
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015 (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
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.
Add'l VOCs	=	Additional volatile organic carbons analyzed using EPA Method 8260B.
Add'l SVOCs	=	Additional semi-volatile organic carbons analyzed using EPA Method 8270C.
µg/L	=	Micrograms per liter.
ND	=	Not detected at or above laboratory reporting limits.
---	=	Not measured/Not sampled/Not analyzed.
<	=	Less than the stated laboratory reporting limit.
a	=	Sample chromatographic pattern does not match that of the specified standard.
b	=	n-butylbenzene.
c	=	sec-butylbenzene.
d	=	Isopropylbenzene.
e	=	n-propylbenzene.
f	=	1,2,4-trimethylbenzene.
g	=	1,3,5-trimethylbenzene.
h	=	Naphthalene.
i	=	1-butanone.
j	=	1,2-dibromo-3-chloropropane.
k	=	2-methylnapthalene.
l	=	Unmodified or weakly modified gasoline is significant.
m	=	Heavier gasoline range compounds are significant.
n	=	Diesel range compounds are significant; no recognizable pattern.
o	=	Gasoline range compounds are significant.

Notes (Cont.):

p	=	No recognizable pattern.
q	=	Strongly aged gasoline or diesel compounds are significant.
r	=	Lighter than water immiscible sheen/product is present.
s	=	Liquid sample that contains greater than approximately 1 volume % sediment.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, 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)	Add'l VOCs (µg/L)	Add'l SVOCs (µg/L)
Monitoring Well Samples										
MW1	**12/16/10**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**---**	**---**
MW2	**12/16/10**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**---**	**---**
MW3	**12/16/10**	**---**	**<12**	**<12**	**<12**	**<120**	**<12**	**<12**	**---**	**---**
MW4	**12/16/10**	**---**	**<5.0**	**<5.0**	**<5.0**	**<50**	**<5.0**	**<5.0**	**---**	**---**
MW5	**12/16/10**	**---**	**<2.5**	**<2.5**	**<2.5**	**<25**	**<2.5**	**<2.5**	**---**	**---**
MW6	**12/16/10**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**---**	**---**
Grab Groundwater Samples										
B-1W	01/06/08	---	<50	<50	<50	<200	<50	<50	210b, 68c, 370d, 1,100e, 3,800f, 1,300g, 1,500h	4,000h, 3,900k
B-2W	01/06/08	---	<50	<50	<50	<200	<50	<50	110b, 140e, 440f, 2,400g, 730h, 610i, 32j	---
B-3W	01/06/08	---	<10	<10	<10	<40	<10	<10	25b, 11c, 74d, 190e, 290f, 49g, 55i	---
B-4W	01/06/08	---	<10	<10	<10	<40	<10	<10	46b, 19c, 48d, 160e, 16f, 100h	---
B-5W	01/06/08	---	ND	<0.5	<0.5	<2.0	<0.5	<0.5	2.6b, 0.83e, 4.8f, 1.2g, 6.5h	---
B-6W	01/06/08	---	<2.5	<2.5	<2.5	<10	<2.5	<2.5	14b, 5.6c, 17d, 60e, 32f, 5.8g, 38h, 10i	---
DR-W	01/06/08	---	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	6.9b, 2.4c, 2.5d, 11e, 17f, 5.5g, 7.0h	---
W-27.5-HP1	10/28/10	27.5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
W-36-HP1A	10/28/10	36	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
W-46.5-HP1	10/28/10	46.5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
W-59-HP1B	10/27/10	59	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
W-27.5-HP2	10/29/10	27.5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
W-52-HP2A	10/29/10	52	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---
W-60.5-HP2	10/27/10	60.5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Notes:

TOC	=	Top of well casing elevation; datum is mean sea level.
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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.
Add'l VOCs	=	Additional volatile organic carbons analyzed using EPA Method 8260B.
Add'l SVOCs	=	Additional semi-volatile organic carbons analyzed using EPA Method 8270C.
µg/L	=	Micrograms per liter.
ND	=	Not detected at or above laboratory reporting limits.
---	=	Not measured/Not sampled/Not analyzed.
<	=	Less than the stated laboratory reporting limit.
a	=	Sample chromatographic pattern does not match that of the specified standard.
b	=	n-butylbenzene.
c	=	sec-butylbenzene.
d	=	Isopropylbenzene.
e	=	n-propylbenzene.
f	=	1,2,4-trimethylbenzene.
g	=	1,3,5-trimethylbenzene.
h	=	Naphthalene.
i	=	1-butanone.
j	=	1,2-dibromo-3-chloropropane.
k	=	2-methylnapthalene.
l	=	Unmodified or weakly modified gasoline is significant.
m	=	Heavier gasoline range compounds are significant.
n	=	Diesel range compounds are significant; no recognizable pattern.
o	=	Gasoline range compounds are significant.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Notes (Cont.):

p	=	No recognizable pattern.
q	=	Strongly aged gasoline or diesel compounds are significant.
r	=	Lighter than water immiscible sheen/product is present.
s	=	Liquid sample that contains greater than approximately 1 volume % sediment.

TABLE 2A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 79374
990 San Pablo Boulevard
Albany, California
(Page 1 of 2)

Sample ID	Sampling Date	Depth (feet bgs)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Total Lead (mg/kg)
Soil Boring Samples																	
B-1	01/06/08	6.0	<5.0	3.7c	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
B-1	01/06/08	10.5	<100	1,400b,c	7,200b,f	<5.0	2	51	110	400	---	---	---	---	---	---	---
B-2	01/06/08	5.5	<5.0	<1.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
B-2	01/06/08	10.5	<100	1,400d	4,500b,f	<5.0	13	35	100	380	---	---	---	---	---	---	---
B-3	01/06/08	5.5	<5.0	<1.0	<1.0	<0.50	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
B-3	01/06/08	10.5	<5.0	53d	130e,f	<0.50	0.37	0.29	2.6	0.44	---	---	---	---	---	---	---
B-4	01/06/08	5.5	<5.0	62d	140e,f	<0.50	<0.005	1.0	0.066	0.094	---	---	---	---	---	---	---
B-4	01/06/08	10.5	<5.0	15d	140e,f	<0.50	0.25	1.5	1.3	0.11	---	---	---	---	---	---	---
B-5	01/06/08	5.5	<5.0	<1.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
B-5	01/06/08	11.5	<5.0	5.4c,d	32e,f	<0.25	0.038	0.24	0.051	0.035	---	---	---	---	---	---	---
B-6	01/06/08	5.5	<5.0	<1.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
B-6	01/06/08	10.5	<5.0	6.0c,d	32e,f	<0.05	0.009	0.41	<0.005	0.039	---	---	---	---	---	---	---
Monitoring Well Samples																	
S-5-MW1	10/20/10	5.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
S-10-MW1	11/04/10	10.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
S-14.5-MW1	11/04/10	14.5	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
S-10-MW2	11/04/10	10.0	<25	<5.0	3.1a	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
S-15-MW2	11/04/10	15.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
S-5-MW3	10/20/10	5.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
S-10.5-MW3	11/08/10	10.5	<25	11a	220	<0.50	<0.50	<0.50	2.0	1.1	<0.50	<0.50	<5.0	<1.0	<1.0	<1.0	---
S-15.5-MW3	11/08/10	15.5	<25	<5.0	2.2	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
S-5-MW4	10/20/10	5.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
S-10-MW4	11/05/10	10.0	<25	<5.0	44a	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0	<1.0	<1.0	---
S-15-MW4	11/05/10	15.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
S-16.5-MW4	11/05/10	16.5	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
S-5-MW5	10/20/10	5.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
S-10.5-MW5	11/05/10	10.5	29	93a	450a	<0.050	<0.050	1.5	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0	<1.0	<1.0	---
S-16.5-MW5	11/05/10	16.5	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
S-5-MW6	10/20/10	5.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
S-10-MW6	11/02/10	10.0	<25	8.2a	8.7a	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
S-14.5-MW6	11/02/10	14.5	<25	<5.0	1.8a	<0.0050	<0.0050	<0.0050	<0.0093	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
S-20-MW6	11/02/10	20.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---

TABLE 2A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 79374
990 San Pablo Boulevard
Albany, California

Sample ID	Sampling Date	Depth (feet bgs)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Total Lead (mg/kg)
S-5-CPT1	10/20/10	5.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
S-5-CPT2	10/20/10	5.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---
Drum Samples																	
DR-1	01/06/08	---	<5.0	2.5c,d	4.9e,f	<0.050	<0.005	0.027	0.035	0.035	---	---	---	---	---	---	9.7
Soil Stockpile Samples																	
COMP(S-Profile-1-4)	11/08/10	---	<25	7.1a	14a	<0.0050	<0.0050	<0.0050	0.069	0.049	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	6.93

Notes:

S-15-MW4	=	Soil - depth - monitoring well 4.
TPHmo	=	Total petroleum hydrocarbons as motor oil analyzed using EPA Method 8015B.
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; analyzed using EPA Method 8020 in 2008.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dicholorethane analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
Total Lead	=	Total lead analyzed using EPA Method 6010B.
1,2,4-trimethylbenzene	=	1,2,4-Trimethylbenzene analyzed using EPA Method 8260B.
1,3,5-trimethlynemzene	=	1,3,5-Trimethlynemzene analyzed using EPA Method 8260B.
Isopropyltoluene	=	Isopropyltoluene analyzed using EPA Method 8260B.
Naphthalene	=	Naphthalene analyzed using EPA Method 8260B.
n-Butylbenzene	=	n-Butylbenzene analyzed using EPA Method 8260B.
p-Isopropyltoluene	=	p-Isopropyltoluene analyzed using EPA Method 8260B.
sec-Butylbenzene	=	sec-Butylbenzene analyzed using EPA Method 8260B.
t-Butylbenzene	=	t-Butylbenzene analyzed using EPA Method 8260B.
Add'l HVOCs	=	Additional Halogenated Volatile Organic Compounds analyzed using EPA Method 8260B.
feet bgs	=	Feet below ground surface.
ND	=	Not detected.
---	=	Not analyzed/Not applicable
<	=	Less than the laboratory reporting limit.
a	=	The sample chromatographic pattern does not match that of the specified standard.
b	=	Heavier gasoline range compounds are significant.
c	=	Diesel range compounds are significant; no recognizable pattern.
d	=	Gasoline range compounds are significant.
e	=	Strongly aged gasoline or diesel range compounds are significant.
f	=	No recognizable pattern.

TABLE 2B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS - HVOCs
Former Exxon Service Station 79374
990 San Pablo Boulevard
Albany, California

Sample ID	Sampling Date	Depth (feet bgs)	1,2,4-trimethyl-benzene (mg/kg)	1,3,5-trimethyl-benzene (mg/kg)	Isopropyl-benzene (mg/kg)	Naph-thalene (mg/kg)	n-Butyl-benzene (mg/kg)	p-Isopropyl-toluene (mg/kg)	sec-Butyl-benzene (mg/kg)	t-Butyl-benzene (mg/kg)	Add'l HVOCs (mg/kg)
Soil Boring Samples											
Not analyzed for these analytes.											
Monitoring Well Samples											
Not analyzed for these analytes.											
Drum Samples											
Not analyzed for these analytes.											
Soil Stockpile Samples											
COMP(S-Profile-1-4)	11/08/10	---	0.0053	0.062	0.061	0.098	0.14	0.012	0.053	0.018	ND

Notes:

S-15-MW4	=	Soil - depth - monitoring well 4.
TPHmo	=	Total petroleum hydrocarbons as motor oil analyzed using EPA Method 8015B.
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; analyzed using EPA Method 8020 in 2008.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dicholorethane analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
Total Lead	=	Total lead analyzed using EPA Method 6010B.
1,2,4-trimethylbenzene	=	1,2,4-Trimethylbenzene analyzed using EPA Method 8260B.
1,3,5-trimethlynemzene	=	1,3,5-Trimethlynemzene analyzed using EPA Method 8260B.
Isopropyltoluene	=	Isopropyltoluene analyzed using EPA Method 8260B.
Naphthalene	=	Naphthalene analyzed using EPA Method 8260B.

TABLE 2B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS - HVOCs
Former Exxon Service Station 79374
990 San Pablo Boulevard
Albany, California

Notes (Cont.):		
n-Butylbenzene	=	n-Butylbenzene analyzed using EPA Method 8260B.
p-Isopropyltoluene	=	p-Isopropyltoluene analyzed using EPA Method 8260B.
sec-Butylbenzene	=	sec-Butylbenzene analyzed using EPA Method 8260B.
t-Butylbenzene	=	t-Butylbenzene analyzed using EPA Method 8260B.
Add'l HVOCs	=	Additional Halogenated Volatile Organic Compounds analyzed using EPA Method 8260B.
feet bgs	=	Feet below ground surface.
ND	=	Not detected.
---	=	Not analyzed/Not applicable
<	=	Less than the laboratory reporting limit.
a	=	The sample chromatographic pattern does not match that of the specified standard.
b	=	Heavier gasoline range compounds are significant.
c	=	Diesel range compounds are significant; no recognizable pattern.
d	=	Gasoline range compounds are significant.
e	=	Strongly aged gasoline or diesel range compounds are significant.
f	=	No recognizable pattern.

TABLE 3
WELL CONSTRUCTION DETAILS
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, 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	11/04/10	41.45	8	17	17	2	Schedule 40 PVC	12-17	0.020	10-17	#3 Sand
MW2	11/04/10	41.25	8	17	17	4	Schedule 40 PVC	12-17	0.020	10-17	#3 Sand
MW3	11/08/10	40.42	8	17	17	4	Schedule 40 PVC	11-16	0.020	9-16	#3 Sand
MW4	11/05/10	39.30	8	17	13	2	Schedule 40 PVC	8-13	0.020	6-13	#3 Sand
MW5	11/05/10	40.38	8	17	14	2	Schedule 40 PVC	9-14	0.020	7-14	#3 Sand
MW6	11/03/10	41.06	10	20	20	2	Schedule 40 PVC	15-20	0.020	13-20	#3 Sand

Notes:
TOC = Top of well casing elevation; datum is mean sea level.
PVC = Polyvinyl chloride.
feet bgs = Feet below ground surface.

APPENDIX A

CORRESPONDENCE

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 30, 2008

Ms. Jennifer Sedlachek (via electronic mail)
ExxonMobil
4096 Piedmont Ave., #194
Oakland, CA 94611

Mrs. Muriel Blank
Blank Family Trust
1164 Solano Ave., #406
Albany, CA 94706

Subject: Fuel Leak Case No. RO00002974 and Geotracker Global ID T0619716673, Exxon, 990 San Pablo Ave., Albany, CA 94706

Dear Ms. Sedlachek and Mrs. Blank:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the January 31, 2008 *Report of Phase II Environmental Site Assessment* that was submitted by Edd Clark & Associates, Inc. The assessment report recommends preparing a work plan for additional soil and groundwater investigation at the site, installing wells and performing a sensitive receptor survey. This report indicates that maximum concentrations of 99,000 micrograms per liter (µg/L) total petroleum hydrocarbons as diesel (TPHd) in B-1, 77,000 µg/L total petroleum hydrocarbons as gasoline (TPHg) in B-2 and 1,500 µg/l benzene in B-2 are present in groundwater at your site. Free product was also noted in boring in B-1. The maximum TPHd concentration in soil [7,200 milligrams per kilogram (mg/Kg)] was detected in B-1 at a depth of 10.5 feet below ground surface (bgs). Maximum TPHg concentrations of 1,400 mg/Kg were detected in borings B-1 and B-2 from 10.5 ft bgs and the maximum benzene concentration (13 mg/kg) was detected in B-2 from 10.5 feet bgs.

ACEH concurs that additional assessment needs to be performed at the site. Please address the following technical comments, perform the requested work, and submit the work plan requested below.

TECHNICAL COMMENTS

1. **Groundwater Characterization** –The Phase II report indicates that free product is present at the site and that petroleum hydrocarbons and volatile organic compounds are present across the entire site. The lateral and vertical extent of the groundwater plume is

not defined. An expedited site assessment should be performed at the site using methods such as CPT, MIP or other continuous logging method to evaluate the extent of petroleum hydrocarbons. After the extent of contamination is determined, a monitoring well network can be installed using cluster wells or multi-chamber wells with screen lengths of 2 feet or less and sand packs of less than five feet.

2. **Source Area Soil Characterization** – Soil samples collected at the site indicate that the lateral and vertical extent of the contamination is undefined. The expedited site assessment requested should include sampling to define the lateral and vertical extent of petroleum hydrocarbons in the source area(s). Also please provide the tank, product piping and dispenser locations on the figures you submit.

3. **Preferential Pathway Evaluation Survey.** The purpose of the preferential pathway study is to locate potential migration pathways and conduits and determine the probability of the NAPL and/or plume encountering preferential pathways and conduits that could spread contamination. We request that you perform a preferential pathway study that details the potential migration pathways and potential conduits (wells, utilities, pipelines, etc.) for vertical and lateral migration that may be present in the vicinity of the site.

   Discuss your analysis and interpretation of the results of the preferential pathway study (including the detailed well survey and utility survey requested below) and report your results in the Soil and Water Investigation (SWI) requested below. The results of your study shall contain all information required by California Code of Regulations, Title 23, Division 3, Chapter 16, §2654(b).

   a. Utility Survey

   Included in your Phase II report is a map with some utility lines on it. No flow directions or depths are presented on the map, nor is there an evaluation of whether these provide a pathway for migration of free product and other contaminants that could migrate from your site. An evaluation of all utility lines and trenches (including sewers, storm drains, pipelines, trench backfill, etc.) within and near the site and plume area(s) is required as part of your study. Please include maps and cross-sections illustrating the location, depth, and flow direction of all utility lines and trenches within and near the site and plume areas(s) as part of your study.

   b. Well Survey

   As recommended by your consultants, please proceed with a well survey as part of your preferential pathway evaluation. The preferential pathway study includes a detailed well survey of all wells (monitoring and production wells: active, inactive, standby, decommissioned (sealed with concrete), abandoned (improperly decommissioned or lost); and dewatering, drainage, and cathodic protection wells) within a ¼-mile radius of the subject site. Please submit an evaluation of whether there are any potential impacts to wells in the vicinity of the site in the work plan requested below.

TECHNICAL REPORT REQUEST

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

- **September 22, 2008** –Work Plan and preferential pathway evaluation.

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

ELECTRONIC SUBMITTAL OF REPORTS

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

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 J. Jakub, P.G.
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Ms. Etta Jon VandenBosch, Edd Clark & Associates, Inc., P.O. Box 339, Rohnert Park, CA 94927, (via electronic mail, ejv@sonic.net)
Mrs. Marcia B. Kelly, 641 SW Morningside Rd., Topeka, KS 66615 (via electronic mail - marciabkelly@earthlink.net)
Rev. Deborah Blank, 1563 Solano Ave. #344, Berkeley, CA 94707 (via electronic mail- miracoli@earthlink.net)
Donna Drogos, ACEH (Sent via electronic mail)
Barbara Jakub, ACEH

File

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

Effective **January 31, 2006**, 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 Alicia Lam-Finneke.
   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 at 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)

APPENDIX B

FIELD PROTOCOLS

Cardno ERI
Soil Boring and Well Installation
Field Protocol

Preliminary Activities

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

Drilling and Soil Sampling Procedures

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

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

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

Field Screening Procedures

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

Air Monitoring Procedures

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

Groundwater Sampling

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

Backfilling of Soil Boring

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

Well Construction

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

Well Development and Sampling

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

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

Surveying

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

Decontamination Procedures

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

Waste Treatment and Soil Disposal

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

APPENDIX C

PERMITS

Alameda County Public Works Agency - Water Resources Well Permit

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

Application Approved on: 09/16/2010 By jamesy

Permit Numbers: W2010-0684 to W2010-0690
Permits Valid from 09/27/2010 to 09/30/2010

Application Id: 1284591303892
City of Project Site: Albany
Site Location: 990 San Pablo Avenue, Albany, CA
Project Start Date: 09/27/2010
Completion Date: 09/30/2010
Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org

Applicant: ERI - Alex Snyder
601 N McDowell Blvd., Petaluma, CA 94612
Phone: 707-766-2000

Property Owner: The Blank Family Trust Muriel T Blank
1164 Solano Ave., Albany, CA 94706
Phone: 510-527-4337

Client: Exxon Environmental Services, Jennifer Sedlachek
4096 Piedmont Ave, Oakland, CA 94611
Phone: 510-547-8196

Total Due: $2647.00
Receipt Number: WR2010-0316 **Total Amount Paid:** $2647.00
Payer Name : Environmental Resolutions, Inc. Paid By: CHECK
PAID IN FULL

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 6 Wells
Driller: Woodward Drilling - Lic #: 710079 - Method: hstem

Work Total: $2382.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2010-0684	09/16/2010	12/26/2010	MW1	8.00 in.	2.00 in.	5.00 ft	15.00 ft
W2010-0685	09/16/2010	12/26/2010	MW2	8.00 in.	4.00 in.	5.00 ft	15.00 ft
W2010-0686	09/16/2010	12/26/2010	MW3	8.00 in.	4.00 in.	5.00 ft	15.00 ft
W2010-0687	09/16/2010	12/26/2010	MW4	8.00 in.	2.00 in.	5.00 ft	15.00 ft
W2010-0688	09/16/2010	12/26/2010	MW5	8.00 in.	2.00 in.	5.00 ft	15.00 ft
W2010-0689	09/16/2010	12/26/2010	MW6	8.00 in.	2.00 in.	5.00 ft	15.00 ft

Specific Work Permit Conditions

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

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

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

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. 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 Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

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

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

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

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

Borehole(s) for Investigation-Geotechnical Study/CPT's - 6 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: hstem **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2010-0690	09/16/2010	12/26/2010	6	2.00 in.	40.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. 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.

4. 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.

5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

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

7. 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.

8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

APPENDIX D

CPT PROTOCOL AND REPORT

GREGG DRILLING & TESTING, INC.
GEOTECHNICAL AND ENVIRONMENTAL INVESTIGATION SERVICES

November 1, 2010

Cardno ERI
Attn: Paula Sime

Subject: CPT Site Investigation
Former Exxon 79374
Albany, California
GREGG Project Number: 10-163MA

Dear Ms. Sime:

The following report presents the results of GREGG Drilling & Testing's Cone Penetration Test investigation for the above referenced site. The following testing services were performed:

1	Cone Penetration Tests	(CPTU)	☒
2	Pore Pressure Dissipation Tests	(PPD)	☒
3	Seismic Cone Penetration Tests	(SCPTU)	☐
4	UVOST Laser Induced Fluorescence	(UVOST)	☐
5	Groundwater Sampling	(GWS)	☒
6	Soil Sampling	(SS)	☐
7	Vapor Sampling	(VS)	☐
8	Pressuremeter Testing	(PMT)	☐
9	Vane Shear Testing	(VST)	☐
10	Dilatometer Testing	(DMT)	☐

A list of reference papers providing additional background on the specific tests conducted is provided in the bibliography following the text of the report. If you would like a copy of any of these publications or should you have any questions or comments regarding the contents of this report, please do not hesitate to contact our office at (925) 313-5800.

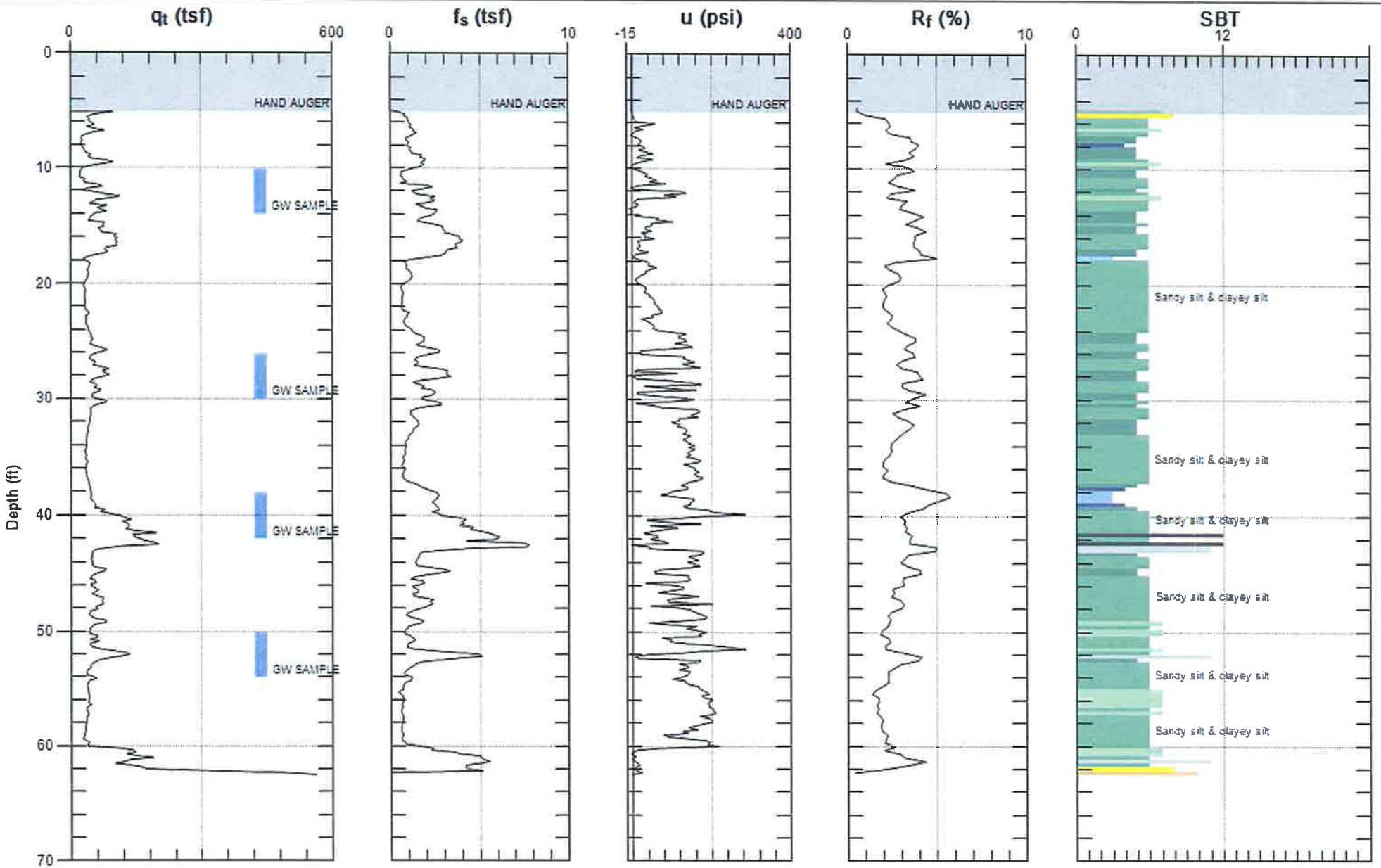
Sincerely,
GREGG Drilling & Testing, Inc.

Mary Walden
Operations Manager

CARDNO ERI

Site: FMR. EXXON 79374
Sounding: CPT-02

Engineer: R.WESTRUP
Date: 10/27/2010 09:10



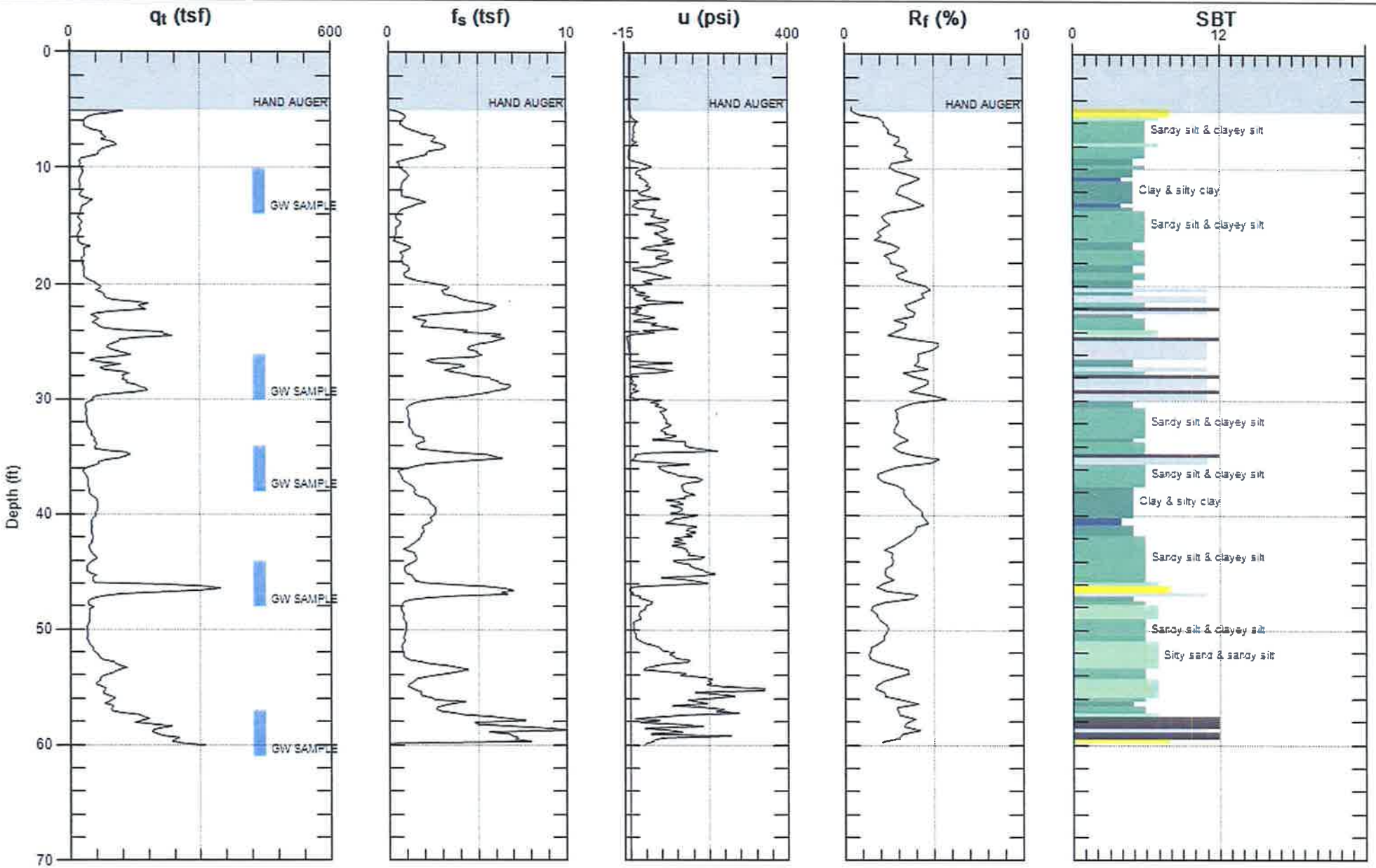
Max. Depth: 62.500 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

CARDNO ERI

Site: FMR. EXXON 79374
Sounding: CPT-01

Engineer: R.WESTRUP
Date: 10/27/2010 02:36



Max. Depth: 60.039 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

Cone Penetration Test Sounding Summary

-Table 1-

CPT Sounding Identification	Date	Termination Depth (Feet)	Depth of Groundwater Samples (Feet)	Depth of Soil Samples (Feet)	Depth of Pore Pressure Dissipation Tests (Feet)
CPT-01	10/27/10	60	14, 30, 38, 48, 61	-	-
CPT-02	10/27/10	62	14, 30, 42, 54	-	40.8

Bibliography

Lunne, T., Robertson, P.K. and Powell, J.J.M., "Cone Penetration Testing in Geotechnical Practice" E & FN Spon. ISBN 0 419 23750, 1997

Roberston, P.K., "Soil Classification using the Cone Penetration Test", Canadian Geotechnical Journal, Vol. 27, 1990 pp. 151-158.

Mayne, P.W., "NHI (2002) Manual on Subsurface Investigations: Geotechnical Site Characterization", available through www.ce.gatech.edu/~geosys/Faculty/Mayne/papers/index.html, Section 5.3, pp. 107-112.

Robertson, P.K., R.G. Campanella, D. Gillespie and A. Rice, "Seismic CPT to Measure In-Situ Shear Wave Velocity", Journal of Geotechnical Engineering ASCE, Vol. 112, No. 8, 1986 pp. 791-803.

Robertson, P.K., Sully, J., Woeller, D.J., Lunne, T., Powell, J.J.M., and Gillespie, D.J., "Guidelines for Estimating Consolidation Parameters in Soils from Piezocone Tests", Canadian Geotechnical Journal, Vol. 29, No. 4, August 1992, pp. 539-550.

Robertson, P.K., T. Lunne and J.J.M. Powell, "Geo-Environmental Application of Penetration Testing", Geotechnical Site Characterization, Robertson & Mayne (editors), 1998 Balkema, Rotterdam, ISBN 90 5410 939 4 pp 35-47.

Campanella, R.G. and I. Weemees, "Development and Use of An Electrical Resistivity Cone for Groundwater Contamination Studies", Canadian Geotechnical Journal, Vol. 27 No. 5, 1990 pp. 557-567.

DeGroot, D.J. and A.J. Lutenegger, "Reliability of Soil Gas Sampling and Characterization Techniques", International Site Characterization Conference - Atlanta, 1998.

Woeller, D.J., P.K. Robertson, T.J. Boyd and Dave Thomas, "Detection of Polyaromatic Hydrocarbon Contaminants Using the UVIF-CPT", 53rd Canadian Geotechnical Conference Montreal, QC October pp. 733-739, 2000.

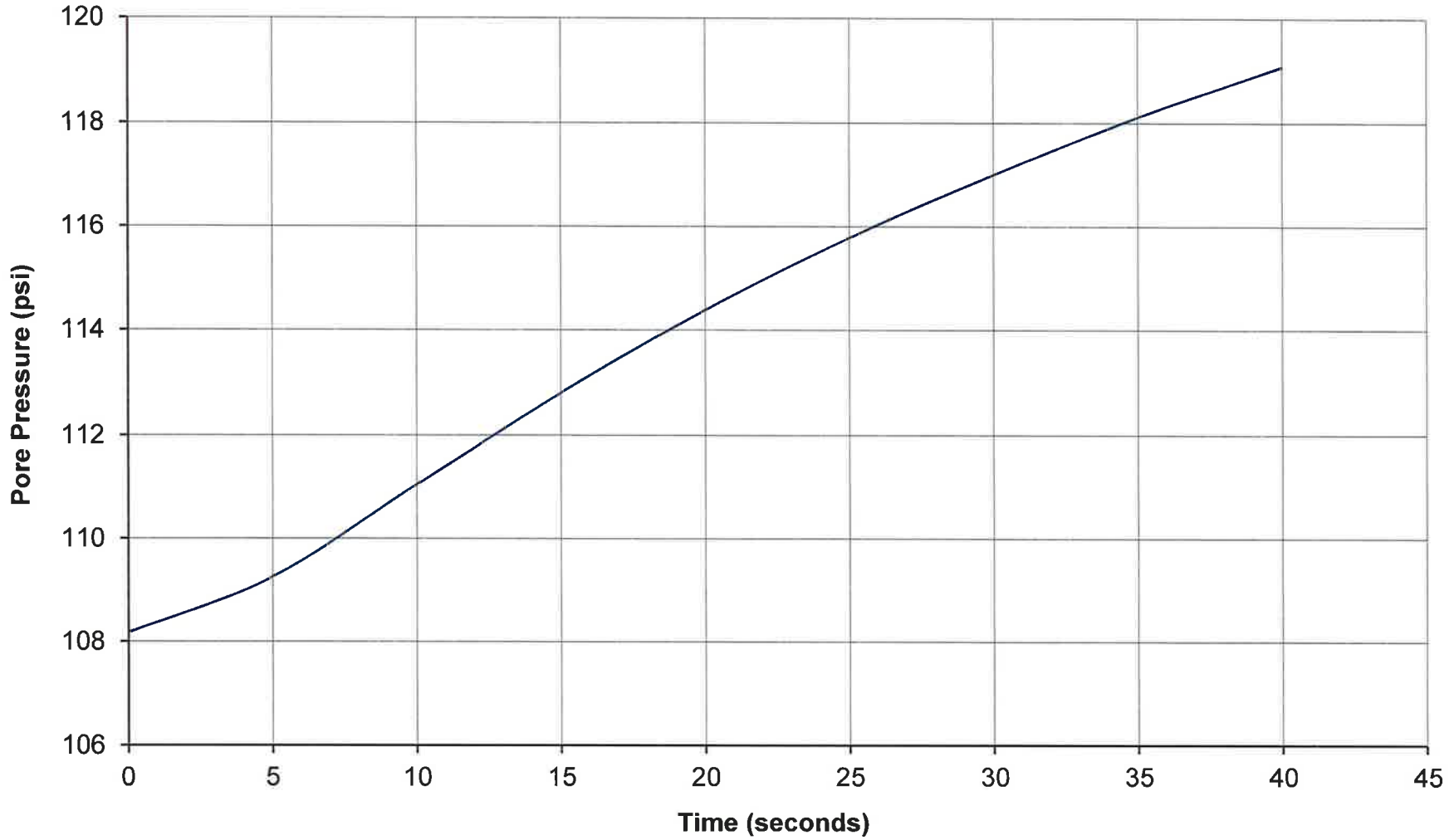
Zemo, D.A., T.A. Delfino, J.D. Gallinatti, V.A. Baker and L.R. Hilpert, "Field Comparison of Analytical Results from Discrete-Depth Groundwater Samplers" BAT EnviroProbe and QED HydroPunch, Sixth national Outdoor Action Conference, Las Vegas, Nevada Proceedings, 1992, pp 299-312.

Copies of ASTM Standards are available through www.astm.org

GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: CPT-02
Depth: 40.8463335
Site: FMR. EXXON 79374
Engineer: R.WESTRUP



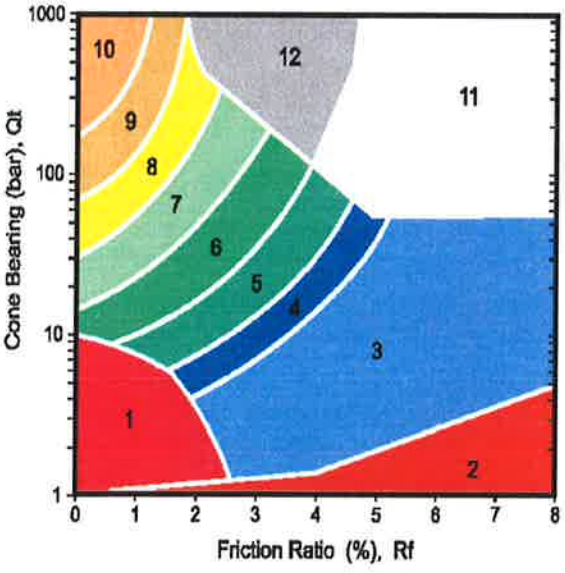
Cone Penetration Test Data & Interpretation

The Cone Penetration Test (CPT) data collected from your site are presented in graphical form in the attached report. The plots include interpreted Soil Behavior Type (SBT) based on the charts described by Robertson (1990). Typical plots display SBT based on the non-normalized charts of Robertson et al (1986). For CPT soundings extending greater than 50 feet, we recommend the use of the normalized charts of Robertson (1990) which can be displayed as SBTn, upon request. The report also includes spreadsheet output of computer calculations of basic interpretation in terms of SBT and SBTn and various geotechnical parameters using current published correlations based on the comprehensive review by Lunne, Robertson and Powell (1997), as well as recent updates by Professor Robertson. The interpretations are presented only as a guide for geotechnical use and should be carefully reviewed. Gregg Drilling & Testing Inc. do not warranty the correctness or the applicability of any of the geotechnical parameters interpreted by the software and do not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used in the software.

Some interpretation methods require input of the groundwater level to calculate vertical effective stress. An estimate of the in-situ groundwater level has been made based on field observations and/or CPT results, but should be verified by the user.

A summary of locations and depths is available in Table 1. Note that all penetration depths referenced in the data are with respect to the existing ground surface.

Note that it is not always possible to clearly identify a soil type based solely on q_t, f_s, and u_2. In these situations, experience, judgment, and an assessment of the pore pressure dissipation data should be used to infer the correct soil behavior type.



(After Robertson, et al., 1986)

ZONE		SBT
1		Sensitive, fine grained
2		Organic materials
3		Clay
4		Silty clay to clay
5		Clayey silt to silty clay
6		Sandy silt to clayey silt
7		Silty sand to sandy silt
8		Sand to silty sand
9		Sand
10		Gravely sand to sand
11		Very stiff fine grained*
12		Sand to clayey sand*

*over consolidated or cemented

Figure SBT

APPENDIX E

BORING LOGS

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Shaping the Future

BORING LOG MW1

(Page 1 of 1)

Project No.:	Former Exxon Service Station 79374
Site:	990 San Pablo Avenue, Albany, California
Logged By:	Rebekah A. Westrup
Reviewed By:	Heidi Dieffenbach-Carle, P.G 6793
Signature:	Heidi Dieffenbach-Carle

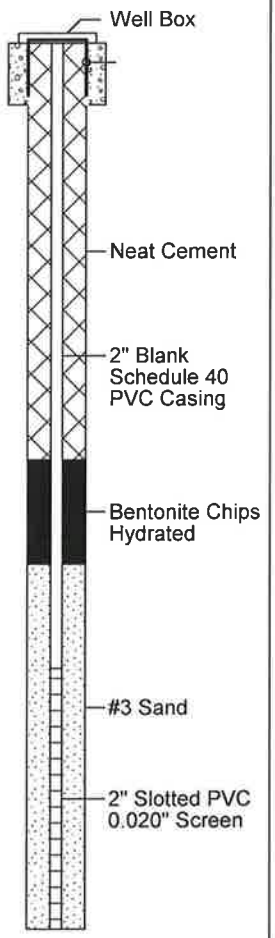
Date Drilled:	11/04/10
Drilling Co.:	Woodward Drilling Co.
Drilling Method:	Hollow-Stem Auger
Sampling Method:	Direct-push
Borehole Diameter:	8"
Casing Diameter:	2"
Location N-S	2150803.8
Location E-W	6042699.8
Total Depth:	17'
First GW Depth:	12'

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

Water Levels
- Groundwater After Completion: 10.1'
- Groundwater During Drilling: 15'

Well: MW1
Elevation: 41.45

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION (% clay/silt/sand/gravel)
0					GP	Asphalt: 2 inches in thickness.
						GRAVEL: fine-grained, brown, moist, subangular (0,0,10,90) (FILL)
					CH	CLAY: olive, damp, high plasticity (100,0,0,0)
					CL	Silty CLAY: olive, dry, low plasticity, (60,40,0,0)
					ML	SILT: light yellow brown, dry, non-plastic (5,95,0,0)
5					ML	Clayey SILT: brown, dry, low plasticity (30, 70,0,0)
					SW	Cleared to 8 feet bgs on 10/21/10 using hand tools and vacuum equipment SAND: fine- to coarse-grained, olive brown, damp, angular to subrounded, well graded, trace clay, occassional gravel (3,0,95,2)
10		25			CL	Silty CLAY: red yellow with gray mottling, damp, moderate plasticity (60,40,0,0)
					SC	Clayey SAND with Gravel: fine- to coarse-grained, olive brown, damp to moist, angular to subangular, well graded, gravel is fine-grained and subrounded (30,0,50,20) @13feet bgs: decreasing clay becoming yellow brown (10,0,50,40)
15		1.4			ML	Sandy SILT: red yellow, moist, non-plastic, sand is fine-grained and angular (5,80,15,0)
20						
25						



Total Depth 17 feet bgs, 11:19, 11/4/10

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Shaping the Future

BORING LOG MW2

(Page 1 of 1)

Project No.:	Former Exxon Service Station 79374
Site:	990 San Pablo Avenue, Albany, California
Logged By:	Rebekah A. Westrup
Reviewed By:	Heidi Dieffenbach-Carle, P.G 6793
Signature:	Heidi Dieffenbach-Carle

Date Drilled:	11/04/10
Drilling Co.:	Woodward Drilling Co.
Drilling Method:	Hollow-Stem Auger
Sampling Method:	Direct-push
Borehole Diameter:	8"
Casing Diameter:	4"
Location N-S	2150764.3
Location E-W	6042710.4
Total Depth:	17'
First GW Depth:	12'

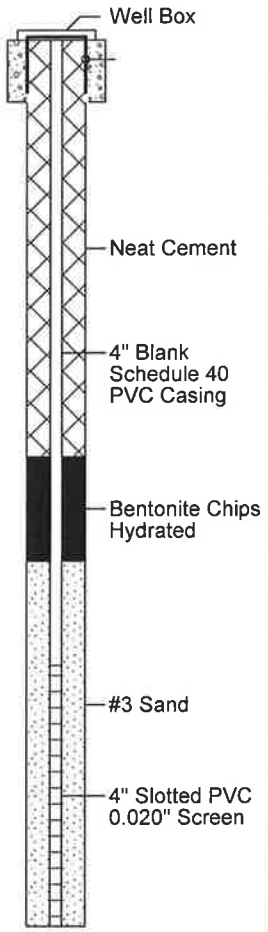
Sample Condition
- No Recovery
- Interval Not Sampled
- Described Sample
- Preserved Sample

Water Levels
- Groundwater After Completion: 10'
- Groundwater During Drilling: 16'

Well: MW2
Elevation: 41.25

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION (% clay/silt/sand/gravel)
0					GP	Asphalt: 3 inches in thickness. GRAVEL: fine-grained, olive-gray, dry, subangular (0,0,10,90) (FILL)
					CL	CLAY with Silt: brown, dry, moderate plasticity, sand is fine- to coarse-grained, subangular (70,20,0,10)
					CL	Silty CLAY: light brown, dry, low plasticity, (60,40,0,0)
5					CL	Cleared to 5 feet bgs on 10/21/10 using hand tools and vacuum equipment. Sandy CLAY: yellow brown, dry, low plasticity, sand is fine-grained and angular (70,0,30,0)
					SW	SAND: fine- to coarse-grained, yellow brown, moist, angular to subrounded, well graded, occassional gravel is fine-grained and subangular (5,0,95,0)
10		541			CL	CLAY with Sand: olive brown, damp, moderate plasticity, sand is fine- to coarse-grained, angular to subrounded, occassional gravel is fine-grained and subrounded (70,0,30,0)
					SC	Clayey SAND: fine- to coarse-grained, olive brown, moist, angular to subangular, well graded (30,0,70,0)
15					ML	Sandy SILT: yellow brown, damp, non-plastic, 2" diameter rock in sampler @13 feet bgs. @16 feet bgs: becoming wet
20						
25						

Total Depth 17 feet bgs, 17:45, 11/4/10



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Cardno ERI
Shaping the Future

BORING LOG MW3

Project No.:	Former Exxon Service Station 79374
Site:	990 San Pablo Avenue, Albany, California
Logged By:	Rebekah A. Westrup
Reviewed By:	Heidi Dieffenbach-Carle, P.G 6793
Signature:	Heidi Dieffenbach Carle

Date Drilled:	11/08/10
Drilling Co.:	Woodward Drilling Co.
Drilling Method:	Hollow-Stem Auger
Sampling Method:	Direct-push
Borehole Diameter:	8"
Casing Diameter:	4"
Location N-S	2150752.0
Location E-W	6042666.6
Total Depth:	17'
First GW Depth:	17'

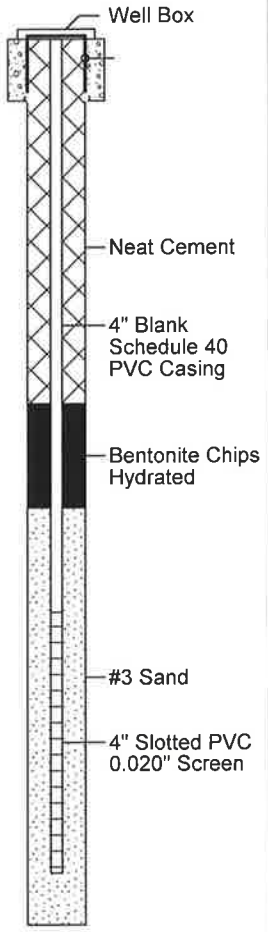
Sample Condition
- No Recovery
- Interval Not Sampled
- Described Sample
- Preserved Sample

Water Levels
- Groundwater After Completion: 11.5'
- Groundwater During Drilling: 17'

Well: MW3
Elevation: 40.42

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION (% clay/silt/sand/gravel)
0					GP	Asphalt: 3 inches in thickness. GRAVEL: fine-grained, brown, dry, subangular (0,0,10,90) (FILL)
					CL	Gravelly CLAY: bronw, dry, moderate plasticity, gravel is fine- to coarse-grained, and subangular (70,0,0,30)
					CL	CLAY: brown, damp, stiff, moderate plasticity, rootlets (100,0,0,0)
					ML	SILT: light brown, dry, non-plastic (10,90,0,0)
5					ML	Clayey SILT: dark yellow, dry, non-plastic (30,70,0,0) Cleared to 5 feet bgs on 10/21/10 using hand tools and vacuum equipment. @6 feet bgs: becoming damp
					CL	Silty CLAY: dark yellow, damp, moderate plasticity (60,40,0,0)
					SC	Clayey SAND: fine- to coarse-grained, olive brown, moist, angular to subrounded (15,0,85,0)
10		1,777			CL	Sandy CLAY: dark olive, moist, low plasticity, sand is fine- to coarse-grained, angular to subrounded (60,0,40,0)
					SP	SAND: fine-grained, olive brown, moist, angular (0,0,100,0)
					SW	Gravelly SAND: fine- to coarse-grained, olive brown, moist, angular to subrounded, well graded, gravel is fine-grained and subrounded (5,0,70,25)
					SC	Clayey SAND with Gravel:fine- to coarse-grained, olive brown, moist, angular to subrounded, well graded, gravel is fine-grained and subrounded (20,0,50,30)
15		33.3			ML	Sandy SILT: dark yellow, moist, non-plastic, sand is very fine-grained (0,65,35,0)
20						
25						

Total Depth 17 feet bgs, 12:30, 11/8/10



Cardno ERI
Shaping the Future

BORING LOG MW4

Project No.:	Former Exxon Service Station 79374
Site:	990 San Pablo Avenue, Albany, California
Logged By:	Rebekah A. Westrup
Reviewed By:	Heidi Dieffenbach-Carle, P.G 6793
Signature:	Heidi Dieffenbach-Carle

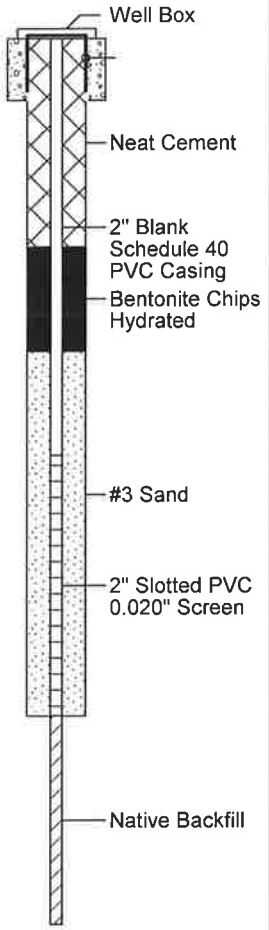
Date Drilled:	11/5/10
Drilling Co.:	Woodward Drilling Co.
Drilling Method:	Hollow-Stem Auger
Sampling Method:	Direct-push
Borehole Diameter:	8"
Casing Diameter:	2"
Location N-S	2150749.3
Location E-W	6042629.2
Total Depth:	17'
First GW Depth:	8'

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

Water Levels
- Groundwater After Completion: 8'
- Groundwater During Drilling: 8.5'

Well: MW4
Elevation: 39.30

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION (% clay/silt/sand/gravel)
0					GP	Asphalt: 5 inches in thickness.
						GRAVEL: fine-grained, brown, dry, subangular (0,0,10,90) (FILL)
					CL	CLAY: black with olive mottling, damp (perched water sitting on top of unit), high plasticity (100,0,0,0)
						@2.5 feet bgs: becoming dark olive
						Silty CLAY: light olive, damp, low plasticity (60,40,0,0)
5		68.3			CL	Cleared to 5 feet bgs on 10/20/10 using hand tools and vacuum equipment.
					SC	Clayey SAND: fine-grained, gray brown, moist, angular, poorly graded (30,0,70,0)
						SAND: fine- to coarse-grained, olive gray, wet, angular to subangular, well graded (0,0,100,0)
10		1,077			SW	
						@12 feet bgs: becoming brown
					SC	Clayey SAND: fine- to coarse-grained, olive brown, moist, angular to subrounded, well graded (25,0,75,0)
						Silty CLAY: yellow brown with olive gray mottling, damp, low to moderate plasticity (60,40,0,0)
15		6.7			CL	
20						
25						



Total Depth 17 feet bgs, 08:47, 11/5/10
Drilled out to 13 feet bgs, 10:20, 11/5/10

Cardno ERI
Shaping the Future

BORING LOG MW5

Project No.:	Former Exxon Service Station 79374
Site:	990 San Pablo Avenue, Albany, California
Logged By:	Rebekah A. Westrup/Heidi Dieffenbach-Carle, P.G 6793
Reviewed By:	Heidi Dieffenbach-Carle, P.G 6793
Signature:	Heidi Dieffenbach-Carle

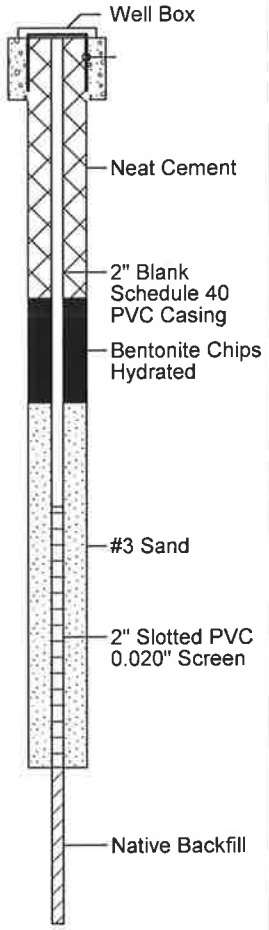
Date Drilled:	11/5/10
Drilling Co.:	Woodward Drilling Co.
Drilling Method:	Hollow-Stem Auger
Sampling Method:	Direct-push
Borehole Diameter:	8"
Casing Diameter:	2"
Location N-S	2150771.4
Location E-W	6042623.7
Total Depth:	17'
First GW Depth:	14'

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

Water Levels
- Groundwater After Completion: 11'
- Groundwater During Drilling: 14'

Well: MW5
Elevation: 40.38

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION (% clay/silt/sand/gravel)
0					GP	Asphalt: 5 inches in thickness.
					GP	GRAVEL: fine-grained, gray, dry, subangular (0,0,10,90) (FILL)
					CL	CLAY: black, damp, high plasticity (100,0,0,0)
					CL	@2 feet bgs: becoming dark olive
					CL	Silty CLAY: light olive brown, dry, low plasticity (60,40,0,0)
5		51.2			CL	Cleared to 5 feet bgs on 10/20/10 using hand tools and vacuum equipment. Silty CLAY with Sand: light olive, dry, low plasticity, sand is fine- to coarse-grained and angular (60,25,15,0)
					CL	Sandy CLAY: light olive brown, damp, sand fine- to coarse-grained
10		38.3			SC	Clayey SAND with Gravel: fine- to coarse-grained, olive brown, damp, gravel is fine-grained and subangular, red volcanic fragments (20,10,50,20)
		739			SC	
15					CL	Silty CLAY with Sand: light brown, damp, low plasticity, sand is fine- to coarse-grained, trace subangular fine-grained gravel, greenish gray inclusions, pervasive orange oxide staining (65,20,13,2)
		1.8				
20						Total Depth 17 feet bgs, 12:00, 11/5/10 Drilled out to 14 feet bgs, 14:20, 11/5/10
25						



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Cardno ERI
Shaping the Future

BORING LOG MW6

Project No.:	: Former Exxon Service Station 79374
Site:	: 990 San Pablo Avenue, Albany, California
Logged By:	: Rebekah A. Westrup
Reviewed By:	: Heidi Dieffenbach-Carle, P.G.6793
Signature:	: Heidi Dieffenbach-Carle

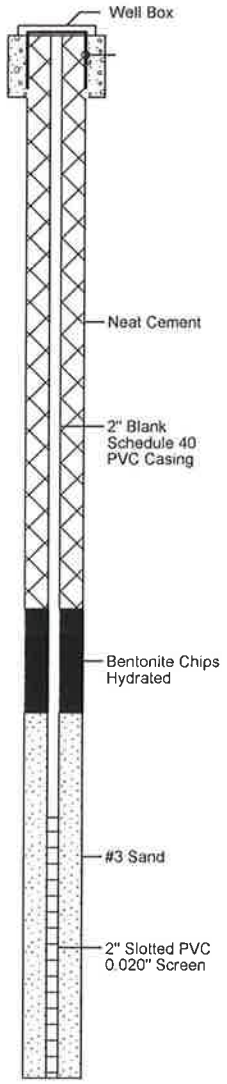
Date Drilled:	: 11/2/10, 11/3/10
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-Stem Auger
Sampling Method:	: Direct-push
Borehole Diameter:	: 10"
Casing Diameter:	: 2"
Location N-S	: 2150790.9
Location E-W	: 6042618.6
Total Depth:	: 20'
First GW Depth:	: 15'

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

Water Levels
- Groundwater After Completion: 10.3'
- Groundwater During Drilling: 20'

Well: MW6
Elevation: 41.06

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION (% clay/silt/sand/gravel)
0						Asphalt: 5 inches in thickness.
					GP	GRAVEL: fine-grained, gray, subangular (0,0,0,100) (FILL)
					CL	CLAY: brown, dry, high plasticity, abundant organic material (rootlets) (100,0,0,0)
						@3 feet bgs: becoming olive, rootlets absent
5		82.7			CL	Silty CLAY: light olive, dry, low plasticity (60,40,0,0)
					SW	Cleared to 8 feet bgs on 11/1/10 using hand tools and vacuum equipment
					CL	Gravelly SAND with Clay: fine- to coarse-grained, olive brown, dry, angular to subangular, well graded, gravel is fine-grained and subrounded (15,0,75,15)
10		33.1			CL	CLAY: olive brown, dry, moderate plasticity (100,0,0,0)
						CLAY with Sand: olive brown, damp, moderate plasticity, sand is fine-grained, angular (85,0,15,0)
					SC	Clayey SAND with Gravel: fine- to coarse-grained, olive brown, moist, angular, well graded, gravel is fine-grained, subangular to angular, nodules of yellow brown sand throughout interval (15,0,70,15)
15		60.5			SC	Clayey SAND: fine- to coarse-grained, olive brown, moist (20,0,80,0)
						@18 feet bgs: becoming yellow-brown, with some lenses of gray
20		31.6				
25						



Total Depth 20 feet bgs, 14:42, 11/3/10

Well initially installed with 8" augers. During well construction activites the well was displaced. The boring was then overdrilled to total depth using 10' augers.

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BORING LOG CPT1

Project No.:	Former Exxon Service Station 79374
Site:	990 San Pablo Avenue, Albany, California
Logged By:	Rebekah A. Westrup
Reviewed By:	Heidi Dieffenbach-Carle, P.G 6793
Signature:	Heidi Dieffenbach-Carle

Date Drilled:	10/20/10
Drilling Co.:	Woodward Drilling Co.
Drilling Method:	Hollow-Stem Auger
Sampling Method:	Direct-push
Borehole Diameter:	2"
Casing Diameter:	NA
Location N-S	2150800.2
Location E-W	6042699.4
Total Depth:	60'
First GW Depth:	NA

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

Water Levels
- Groundwater After Completion:
- Groundwater During Drilling:

Well: CPT1
Elevation: 41.76

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION (% clay/silt/sand/gravel)
0					GP	Asphalt: 6 inches in thickness.
						GRAVEL: fine-grained, brown, moist, subangular (0,0,10,90) (FILL)
					CL	CLAY:Silty CLAY: olive gray, dry, low to medium plasticity (60,40,0,0)
						Clayey SILT: yellow brown, dry, friable (20,80,0,0)
					ML	
5		2.2				

Neat Grout Cement

Boring was advanced using a CPT to 60 feet bgs, on 10/27/10.

Adjacent hydropunch borings were advanced for the collection of groundwater samples. Samples were obtained as follows:

Location HP1B located 5.8' south of CPT1

Interval 57'-61" left open for 23 minutes
Sample W-59-HP1B collected at 9:20, 10/28/10

Location HP1A located 3' south of CPT1

Interval 9'-14' left open for 40 minutes
No groundwater entered the casing

Interval 25'-30' left open for 60 minutes
Sample W-27.5-HP1A collected at 12:00, 10/28/10

Interval 34'-38' left open for 40 minutes
Sample W-36-HP1A collected at 13:10, 10/28/10

Interval 45'-48' left open for 30 minutes
Sample W-46.5-HP1A collected at 13:55, 10/28/10

10
15
20
25

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BORING LOG CPT2

Project No.:	Former Exxon Service Station 79374
Site:	990 San Pablo Avenue, Albany, California
Logged By:	Rebekah A. Westrup
Reviewed By:	Heidi Dieffenbach-Carle, P.G 6793
Signature:	Heidi Dieffenbach-Carle

Date Drilled:	10/19/10
Drilling Co.:	Woodward Drilling Co.
Drilling Method:	CPT
Sampling Method:	Hand Auger
Borehole Diameter:	2"
Casing Diameter:	NA
Location N-S	2150780.2
Location E-W	6042622.9
Total Depth:	62'
First GW Depth:	NA

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

Water Levels
- Groundwater After Completion:
- Groundwater During Drilling:

Well: CPT2
Elevation: 40.99

Depth (ft)	Blow Count / 6"	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION (% clay/silt/sand/gravel)
0					GP	Asphalt: 5 inches in thickness.
						GRAVEL: fine-grained, gray, dry, subangular poorly graded(0,0,10,90) (FILL)
					CL	CLAY: black, damp, high plasticity (100,0,0,0)
						@2 feet bgs: becoming dark olive
						Silty CLAY: light brown, dry, low plasticity (60,40,0,0)
5		31.3			CL	@5 feet bgs: becoming dark olive
					SC	Clayey SAND: fine- to coarse-grained, dry, olive, angular to subangular, well graded (20,10,70,0)

Neat Grout Cement

Boring was advanced using a CPT to 63 feet bgs, on 10/27/10.

Adjacent hydropunch borings were advanced for the collection of groundwater samples. Samples activities were as follows:

Location HP2B located 4.5' south of CPT2

Interval 59'-63' left open for 10 minutes
Sample W-60.5-HP2B collected at 13:30, 10/27/10

Location HP2A located 2.2' south of CPT2

Interval 9'-14' left open for 60 minutes
No groundwater entered the casing

Interval 25'-30' left open for 40 minutes
Sample W-27.5-HP2A collected at 10:45, 10/29/10

Interval 38'-42' left open for 60 minutes
No groundwater entered the casing

Interval 50'-54' left open for 2 minutes
Sample W-52-HP2A collected at 12:38, 10/29/10

10
15
20
25

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APPENDIX F

FIELD DATA

ERI Job# 2735	Qtr. 4th	Year 2010	Surging			
Client/Site:	ExxonMobil		Start	0800	Stop	0834
Location:	79374		Start	1131	Stop	1201
Name.:	Dan West		Start	1323	Stop	1336
DATE:	11/10/2010		Start		Stop	
Weather:	Sunny		Start		Stop	

WELL ID MW 1					
TIME	PURGE VOLUME	Temp	COND	pH	Turbidity
hr:min	Gal	deg C	S/m	unit	NTU
0839	1	1 deg	10%	0.1	Less Than 5
0843	1	22.4	0.24	6.92	NO READING
0846	2	22.4	0.24	7.08	NO READING
0849	3	22.5	0.24	7.12	NO READING
0853	4	22.7	0.23	7.14	NO READING
0856	5	22.7	0.20	6.69	NO READING
	DRY				
1204					
1207	6	23.0	0.17	7.20	NO READING
1210	7	23.0	0.16	7.04	NO READING
1214	8	23.0	0.16	7.00	NO READING
1217	9	23.0	0.14	6.88	NO READING
	DRY				
1339					
1341	9.5	22.6	0.14	7.04	NO READING
1343	10.0	22.8	0.14	7.00	NO READING
1345	10.5	22.8	0.14	6.93	NO READING
1347	11.0	22.8	0.13	6.89	NO READING
1349	11.5	22.8	0.13	6.85	NO READING
1351	12.0	22.7	0.13	6.82	NO READING
1353	12.5	22.7	0.13	6.80	NO READING
0:00	13.0	22.7	0.13	6.73	NO READING
	DRY				
Total Purge Volume	Gallons 13.0				

CASING VOL. FACTOR		WELL INFORMATION			
		Time			
diameter		TD:	16.74		
2"-dia:	0.163	DTW :	9.75		
4"-dia:	0.652	h:			
6"-dia:	1.457	csg vol:	1.14		

COMMENTS

ERI Job# 2735	Qtr. 4th	Year 2010	Surging	
Client/Site:	ExxonMobil		Start 1026	Stop 1051
Location:	79374		Start 1409	Stop 1428
Name.:	Dan West		Start	Stop
DATE:	11/10/2010		Start	Stop
Weather:	Sunny		Start	Stop

WELL ID MW 2					
TIME	PURGE VOLUME	Temp	COND	pH	Turbidity
hr:min	Gal	deg C	S/m	unit	NTU
1054	4	1 deg	10%	0.1	Less Than 5
1103	4	21.6	0.17	7.25	NO READING
1111	8	21.4	0.16	7.13	NO READING
	DRY				
1432					
1436	10	21.7	0.13	7.07	NO READING
1439	12	21.7	0.14	7.09	NO READING
1443	14	21.5	0.13	7.09	NO READING
	DRY				
Total Purge Volume	Gallons 15.0				

CASING VOL. FACTOR		WELL INFORMATION			
		Time			
diameter		TD:	17.20		
2"-dia:	0.163	DTW :	9.63		
4"-dia:	0.652	h:			
6"-dia:	1.457	csg vol:	4.94		

COMMENTS

ERI Job# 2735	Qtr. 4th	Year 2010	Surging	
Client/Site:	ExxonMobil		Start 0927	Stop 0950
Location:	79374		Start	Stop
Name.:	Dan West		Start	Stop
DATE:	11/10/2010		Start	Stop
Weather:	Sunny		Start	Stop

WELL ID MW 3					
TIME	PURGE VOLUME	Temp	COND	pH	Turbidity
hr:min	Gal	deg C	S/m	unit	NTU
0954	4	1 deg	10%	0.1	Less Than 5
1001	4	22.1	0.23	6.96	NO READING
	DRY				
1454					
1456	6	21.7	0.15	6.63	NO READING
	DRY				
Total Purge Volume	Gallons 7.0				

CASING VOL. FACTOR		WELL INFORMATION			
		Time			
diameter		TD:	15.35		
2"-dia:	0.163	DTW :	9.21		
4"-dia:	0.652	h:			
6"-dia:	1.457	csg vol:	4.00		

COMMENTS

ERI Job# 2735	Qtr. 4th	Year 2010	Surging	
Client/Site:	ExxonMobil		Start 1405	Stop 1423
Location:	79374		Start	Stop
Name.:	Dan West		Start	Stop
DATE:	11/9/2010		Start	Stop
Weather:	Sunny		Start	Stop

WELL ID MW 4					
TIME	PURGE VOLUME	Temp	COND	pH	Turbidity
hr:min	Gal	deg C	S/m	unit	NTU
1426	0.5	1 deg	10%	0.1	Less Than 5
1428	0.5	22.5	0.28	7.23	NO READING
1431	1.0	23.0	0.28	7.21	NO READING
1433	1.5	23.2	0.27	7.12	NO READING
1436	2.0	23.2	0.28	7.12	NO READING
1439	2.5	23.2	0.27	7.10	NO READING
1441	3.0	23.1	0.25	6.99	NO READING
1444	3.5	23.1	0.22	6.91	NO READING
1446	4.0	23.0	0.23	6.90	NO READING
1449	4.5	22.9	0.23	6.89	NO READING
1451	5.0	22.9	0.25	6.97	NO READING
	DRY				
Total Purge Volume	Gallons 5.0				

CASING VOL. FACTOR		WELL INFORMATION			
		Time			
diameter		TD:	13.28		
2"-dia:	0.163	DTW :	7.80		
4"-dia:	0.652	h:			
6"-dia:	1.457	csg vol:	0.89		

COMMENTS

ERI Job# 2735	Qtr. 4th	Year 2010	Surging	
Client/Site:	ExxonMobil		Start 1139	Stop 1158
Location:	79374		Start 1254	Stop 1301
Name.:	Dan West		Start 1505	Stop 1516
DATE:	11/9/2010		Start	Stop
Weather:	Sunny		Start	Stop

WELL ID MW 5					
TIME	PURGE VOLUME	Temp	COND	pH	Turbidity
hr:min	Gal	deg C	S/m	unit	NTU
1203	0.5	1 deg	10%	0.1	Less Than 5
1204	0.5	21.8	0.27	7.27	NO READING
1206	1.0	21.9	0.26	7.21	NO READING
1207	1.5	21.9	0.26	7.19	NO READING
1209	2.0	22.0	0.26	7.18	NO READING
1211	2.5	22.0	0.25	7.04	NO READING
1212	3.0	22.0	0.24	6.98	NO READING
1214	3.5	21.7	0.24	6.98	NO READING
	DRY				
1303					
1305	4.0	21.9	0.18	6.96	NO READING
1307	4.5	22.0	0.17	6.81	NO READING
1309	5.0	21.7	0.16	6.73	NO READING
	DRY				
1520					
1521	5.5	20.9	0.16	7.08	NO READING
1523	6.0	21.5	0.15	6.96	NO READING
1526	6.5	21.9	0.15	6.78	658
1529	7.0	22.2	0.15	6.68	878
	DRY				
Total Purge Volume	Gallons 7.0				

CASING VOL. FACTOR		WELL INFORMATION			
		Time			
diameter		TD:	14.00		
2"-dia:	0.163	DTW :	9.35		
4"-dia:	0.652	h:			
6"-dia:	1.457	csg vol:	0.76		

COMMENTS

ERI Job# 2735	Qtr. 4th	Year 2010	Surging	
Client/Site:	ExxonMobil		Start 1044	Stop 1103
Location:	79374		Start 1319	Stop 1330
Name.:	Dan West		Start	Stop
DATE:	11/9/2010		Start	Stop
Weather:	Sunny		Start	Stop

WELL ID MW 6					
TIME	PURGE VOLUME	Temp	COND	pH	Turbidity
hr:min	Gal	deg C	S/m	unit	NTU
1114	1	1 deg	10%	0.1	Less Than 5
1114	1.0	20.9	0.22	6.42	NO READING
1115	2.0	20.5	0.21	6.65	NO READING
1116	3.0	20.6	0.22	6.74	NO READING
1117	4.0	20.6	0.24	6.90	916
1119	5.0	20.7	0.27	6.99	996
1121	6.0	20.9	0.28	7.00	NO READING
1123	7.0	21.0		7.14	NO READING
	DRY				
1331					
1334	8.0	20.7	0.16	7.26	NO READING
1336	9.0	20.8	0.14	7.14	NO READING
1339	10.0	20.8	0.14	7.15	NO READING
1341	11.0	20.7	0.14	7.08	570
	DRY				
Total Purge Volume	Gallons 11.0				

CASING VOL. FACTOR		WELL INFORMATION			
		Time			
diameter		TD:	20.00		
2"-dia:	0.163	DTW :	10.20		
4"-dia:	0.652	h:			
6"-dia:	1.457	csg vol:	1.60		

COMMENTS

Daily Field Report

Cardno ERI

Cardno ERI
Shaping the Future

Project ID #: 79374 | **Cardno ERI Job # 022735201**

Subject: GW SAMPLING | **Date: 12/16/2010**

Equipment Used: SOLINST/HYDAC/PUMPS/BATTS'S/SAMPLING EQUIPMENT/ETC. | **Sheet: 1**

Name(s): PROWSE, JAKE

Time Arrived On Site: 8:30 | **Time Departed Site: 13:30**

08:30	-ARRIVED ON SITE
	-INFORMED STATION OF WORK TO BE DONE
	-SET UP EXCLUSION ZONE AND CHOCKED THE WHEELS ON VEHICLE
	-REVIEWED APPLICABLE JSA'S
	-PERFORMED SPSA FOR: TRAFFIC CONTROLL
	-STARTED PAPERWORK FOR SITE AND LABELS
	-SET UP DECON/WORK AREA AND DECON'D EQUIPMENT
08:30	-HELD H&S MEETING/REVIEWED HOSPITAL ROUTE /FINISHED AT 08:45
08:45	-OPENED WELLS AND ALLOWED WELLS TO CHARGE
08:45	-STARTED MEASURING /FINISHED AT 09:00
09:00	-STARTED PURGING /FINISHED AT 11:00
11:00	-STARTED SAMPLING /FINISHED AT 13:15
	-DECON'D EQUIPMENT/CLEANED UP DECON STATION/LOADED TRUCK
	-BROKE DOWN EXCLUSION ZONE/LOADED TRUCK
13:30	-ERI CARDNO OFF SITE
15:00	-STARTED PURGE WATER TREATMENT (TRAILER) /FINISHED AT 15:15

*M/P/S 6 WELLS	*M/S 0 WELLS	M/S LOW FLOW 0 WELLS
*MO 0 WELLS	*O/P 0 WELLS	*POTABLE 0 WELLS

TOTAL PURGED GALLONS: 0

DECON WATER GALLONS: 0

*0 T/C SET UPS

DAILY FIELD REPORT

Cardno ERI

PROJECT: 2735 JOB # + ACTIVITY: 79374

SUBJECT: DATE: 12-16

EQUIPMENT USED: SHEET: ___ OF ___

NAME: Jake Powell PROJECT MNGR: P. Sime

Onsite 830 Sunny

Safety Meeting

Open Wells

DTW Wells

Purged & Sampled MW 1-6

Decon 20 gal

Purge 29 gal

49 gal Total

* Replaced lock for MW5

Offsite 1330

601 N. McDowell Boulevard, Petaluma, California 94954 707 766 2000 (Fax 707 789 0414)

Depth to Water Data		QRT	4th	YEAR	2010		Calc Case Volume for purge
ERI #	2735						2" WELL x 0.163
Site #	79374	Address:	990 San Pablo Ave, Albany, CA				4" WELL x 0.652
PM:	Paula Sime						6" WELL x 1.467
Date:	12/16/10						r (squared) x 0.163
Tech:	JP		Recharge formula:				
DTW Time	9:00		Step 1▶	Calc 80% in feet▶			TD - PreDTW x .80 (ft) =
Start:			Step 2▶	Calc PostDTW (ft)▶			TD - PostDTW (ft) =
Finish:			Take ratio of result from Step 2 and Step 1 to find % recharge				

WELL ID	TD	PreDTW	CASE D	CASE V	PostDTW	Rechrg 80%	Sample Time	DTP	Prd Thick
~~PW1~~ MW1	16.61	9.18	2	1.21	8.81	104.98			
~~PW2~~ MW2	16.89	8.11	4	5.72	9.37	85.65			
~~PW3~~ MW3	15.20	8.18	4	4.58	10.00	74.07			
~~PW4~~ MW4	13.10	6.10	2	1.14	6.23	98.14			
~~PW5~~ MW5	13.40	7.69	2	0.93	7.99	94.75			
~~PW6~~ MW6	19.26	8.55	2	1.75	9.83	88.05			

MONITORING - FIELD LOG

ERI #	2735	QRT	4th 2010
Client:	Merced County	DATE:	12/16/10
Site ID:	79374	TECH	JP
ADDRESS:		PM:	Paula Sime
990 San Pablo Ave, Albany, CA		Total Purge Volume	

WELL #	TIME	PRG VOL	TEMP	COND	pH	DO	ORP
BB							
COMMENTS:							

WELL #	TIME	PRG VOL	TEMP	COND	pH	DO	ORP
MW1	9:25	1	°C	uS		mg/L	mV
	9:25	1	20.10	812.00	7.41		
	9:26	2	20.00	814.00	7.33		
	9:27	3	20.00	827.00	7.29		
TOTAL PURGE							
COMMENTS:							

WELL #	TIME	PRG VOL	TEMP	COND	pH	DO	ORP
MW2	9:47	2	°C	uS		mg/L	mV
	9:48	2	18.80	744.00	7.47		
	9:50	4	18.90	743.00	7.40		
	9:51	6	19.20	771.00	7.35		
TOTAL PURGE							
COMMENTS:							

WELL #	TIME	PRG VOL	TEMP	COND	pH	DO	ORP
MW3	10:13	2	°C	uS		mg/L	mV
	10:14	2	19.10	700.00	7.08		
	10:15	4	19.10	705.00	6.98		
	10:16	6	19.20	737.00	6.81		
TOTAL PURGE							
COMMENTS:							

WELL #	TIME	PRG VOL	TEMP	COND	pH	DO	ORP
MW4	10:29	2	°C	uS		mg/L	mV
	10:31	2	18.80	811.00	7.13		
	10:32	4	19.70	836.00	6.97		
	*	6					

MONITORING - FIELD LOG

ERI #	2735	**QRT**	4th	2010	
Client:	Merced County	**DATE:**	12/16/10		
Site ID:	79374	**TECH**	JP		
ADDRESS:		**PM:**	Paula Sime		
990 San Pablo Ave, Albany, CA		**Total Purge Volume**			
TOTAL PURGE	5				
COMMENTS:					

WELL #	TIME	PRG VOL	TEMP	COND	pH	DO	ORP
MW5	10:41	1	°C	uS		mg/L	mV
	10:42	1	18.50	392.00	7.64		
	10:42	2	18.80	443.00	7.56		
	10:43	3	19.20	481.00	7.42		
TOTAL PURGE							
COMMENTS:							

WELL #	TIME	PRG VOL	TEMP	COND	pH	DO	ORP
MW6	10:56	2	°C	uS		mg/L	mV
	10:57	2	18.10	694.00	7.61		
	10:58	4	18.70	678.00	7.56		
	10:59	6	18.70	755.00	7.40		
TOTAL PURGE							
COMMENTS:							

WATER SAMPLING SITE STATUS

Date: 12-16

ERI Job Number: 2735 Station No.: 79374 Site Address: 990 San Pablo Ave, Albany Inspected by: JP

Well ID	Well Head Screws	Rubber Gasket	Well Cap Locking	Lock on Well Cap	Concrete Well Seal	Well Head PVC	Water in Well Vault	Tabs	Well Cover	Fence/Gate Condition	# Drums	Drum Contents	Building Condition	Site Appearance	Comments / Well Covers
	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	Y / N	N/R/ok	N/R/ok	N/R/ok		s/w/e	g/v/o	N/R/ok	
MW 1	OK	OK	OK	OK	OK	OK	Y	OK	OK	OK	NA	NA	O	OK	
MW 2	"	"	"	OK	"	"	N	"	"	"	"	"	"	"	
MW 3	"	"	"	OK	"	"	N	"	"	"	"	"	"	"	
MW 4	"	"	"	OK	"	"	N	"	"	"	"	"	"	"	
MW 5	"	"	"	R	"	"	N	"	"	"	"	"	"	"	
MW 6	"	"	"	OK	"	"	N	"	"	"	"	"	"	"	Replaced lock

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

Y = Yes.
N = No.

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

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

APPENDIX G

LABORATORY ANALYTICAL REPORTS

Calscience
Environmental
Laboratories, Inc.

November 05, 2010

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

Subject: **Calscience Work Order No.: 10-10-2014**
Client Reference: ExxonMobil 79374 / 022735

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/26/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted 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:	10/26/10
601 North McDowell Blvd.		Work Order No:	10-10-2014
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW1	**10-10-2014-1-A**	**10/20/10 14:40**	**Solid**	**GC 45**	**10/26/10**	**10/26/10 23:35**	**101026B18**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW4	**10-10-2014-2-A**	**10/20/10 10:40**	**Solid**	**GC 45**	**10/26/10**	**10/26/10 23:50**	**101026B18**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	119	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW5	**10-10-2014-3-A**	**10/20/10 09:10**	**Solid**	**GC 45**	**10/26/10**	**10/27/10 00:06**	**101026B18**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	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-MW6	**10-10-2014-4-A**	**10/20/10 09:55**	**Solid**	**GC 45**	**10/26/10**	**10/27/10 00:21**	**101026B18**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	118	61-145	

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: 10/26/10
Work Order No: 10-10-2014
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-CPT1	**10-10-2014-5-A**	**10/20/10 13:45**	**Solid**	**GC 45**	**10/26/10**	**10/27/10 00:36**	**101026B18**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	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-5-CPT2	**10-10-2014-6-A**	**10/19/10 12:00**	**Solid**	**GC 45**	**10/26/10**	**10/27/10 00:52**	**101026B18**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	113	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW3	**10-10-2014-7-A**	**10/21/10 15:45**	**Solid**	**GC 45**	**10/26/10**	**10/27/10 01:06**	**101026B18**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	115	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-254-1,648**	**N/A**	**Solid**	**GC 45**	**10/26/10**	**10/26/10 20:49**	**101026B18**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	10/26/10
601 North McDowell Blvd.		Work Order No:	10-10-2014
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735 — Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW1	**10-10-2014-1-A**	**10/20/10 14:40**	**Solid**	**GC 45**	**10/26/10**	**10/26/10 23:35**	**101026B17**

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	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW4	**10-10-2014-2-A**	**10/20/10 10:40**	**Solid**	**GC 45**	**10/26/10**	**10/26/10 23:50**	**101026B17**

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	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	118	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW5	**10-10-2014-3-A**	**10/20/10 09:10**	**Solid**	**GC 45**	**10/26/10**	**10/27/10 00:06**	**101026B17**

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	U	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-MW6	**10-10-2014-4-A**	**10/20/10 09:55**	**Solid**	**GC 45**	**10/26/10**	**10/27/10 00:21**	**101026B17**

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	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	117	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	10/26/10
601 North McDowell Blvd.		Work Order No:	10-10-2014
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-CPT1	**10-10-2014-5-A**	**10/20/10 13:45**	**Solid**	**GC 45**	**10/26/10**	**10/27/10 00:36**	**101026B17**

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	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-CPT2	**10-10-2014-6-A**	**10/19/10 12:00**	**Solid**	**GC 45**	**10/26/10**	**10/27/10 00:52**	**101026B17**

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	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	113	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW3	**10-10-2014-7-A**	**10/21/10 15:45**	**Solid**	**GC 45**	**10/26/10**	**10/27/10 01:06**	**101026B17**

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	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	114	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-275-3,716**	**N/A**	**Solid**	**GC 45**	**10/26/10**	**10/26/10 20:49**	**101026B17**

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	10/26/10
601 North McDowell Blvd.		Work Order No:	10-10-2014
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW1	**10-10-2014-1-A**	**10/20/10 14:40**	**Solid**	**GC 4**	**10/26/10**	**10/26/10 22:45**	**101026B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1	U	mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	82	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW4	**10-10-2014-2-A**	**10/20/10 10:40**	**Solid**	**GC 4**	**10/26/10**	**10/27/10 00:22**	**101026B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1	U	mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	80	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW5	**10-10-2014-3-A**	**10/20/10 09:10**	**Solid**	**GC 4**	**10/26/10**	**10/27/10 11:43**	**101026B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1	U	mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	84	42-126			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW6	**10-10-2014-4-A**	**10/20/10 09:55**	**Solid**	**GC 4**	**10/26/10**	**10/27/10 01:26**	**101026B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1	U	mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	83	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: 10/26/10
Work Order No: 10-10-2014
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-CPT1	**10-10-2014-5-A**	**10/20/10 13:45**	**Solid**	**GC 4**	**10/26/10**	**10/27/10 01:58**	**101026B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1	U	mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	58	42-126			

S-5-CPT2	**10-10-2014-6-A**	**10/19/10 12:00**	**Solid**	**GC 4**	**10/26/10**	**10/27/10 02:30**	**101026B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1	U	mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	83	42-126			

S-5-MW3	**10-10-2014-7-A**	**10/21/10 15:45**	**Solid**	**GC 4**	**10/26/10**	**10/27/10 03:03**	**101026B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1	U	mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	78	42-126			

Method Blank	**099-12-279-4,051**	**N/A**	**Solid**	**GC 4**	**10/26/10**	**10/26/10 21:40**	**101026B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1	U	mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	80	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: 10/26/10
Work Order No: 10-10-2014
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW1	**10-10-2014-1-A**	**10/20/10 14:40**	**Solid**	**GC/MS Z**	**10/26/10**	**10/27/10 15:24**	**101027L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	60-132		Toluene-d8	98	80-120	
1,2-Dichloroethane-d4	106	62-146		Dibromofluoromethane	105	63-141	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW4	**10-10-2014-2-A**	**10/20/10 10:40**	**Solid**	**GC/MS Z**	**10/26/10**	**10/27/10 18:50**	**101027L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	60-132		1,2-Dichloroethane-d4	104	62-146	
Toluene-d8	99	80-120		Dibromofluoromethane	102	63-141	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW5	**10-10-2014-3-A**	**10/20/10 09:10**	**Solid**	**GC/MS Z**	**10/26/10**	**10/27/10 19:19**	**101027L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	63-141		Toluene-d8	98	80-120	
1,4-Bromofluorobenzene	97	60-132		1,2-Dichloroethane-d4	105	62-146	

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: 10/26/10
Work Order No: 10-10-2014
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW6	**10-10-2014-4-A**	**10/20/10 09:55**	**Solid**	**GC/MS Z**	**10/26/10**	**10/27/10 19:48**	**101027L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	63-141		1,4-Bromofluorobenzene	97	60-132	
Toluene-d8	99	80-120		1,2-Dichloroethane-d4	109	62-146	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-CPT1	**10-10-2014-5-A**	**10/20/10 13:45**	**Solid**	**GC/MS Z**	**10/26/10**	**10/27/10 20:17**	**101027L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	107	62-146		1,4-Bromofluorobenzene	97	60-132	
Dibromofluoromethane	105	63-141		Toluene-d8	98	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-CPT2	**10-10-2014-6-A**	**10/19/10 12:00**	**Solid**	**GC/MS Z**	**10/26/10**	**10/27/10 20:47**	**101027L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	97	80-120		1,2-Dichloroethane-d4	109	62-146	
1,4-Bromofluorobenzene	98	60-132		Dibromofluoromethane	107	63-141	

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: 10/26/10
Work Order No: 10-10-2014
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5-MW3	**10-10-2014-7-A**	**10/21/10 15:45**	**Solid**	**GC/MS Z**	**10/26/10**	**10/27/10 21:17**	**101027L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	109	62-146		1,4-Bromofluorobenzene	97	60-132	
Toluene-d8	97	80-120		Dibromofluoromethane	105	63-141	

Method Blank	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
	099-12-882-713	**N/A**	**Solid**	**GC/MS Z**	**10/27/10**	**10/27/10 14:25**	**101027L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	98	80-120		Dibromofluoromethane	106	63-141	
1,4-Bromofluorobenzene	98	60-132		1,2-Dichloroethane-d4	108	62-146	

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: 10/26/10
Work Order No: 10-10-2014
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-10-2005-5	**Solid**	**GC 45**	**10/26/10**	**10/26/10**	**101026S18**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	106	92	64-130	14	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: 10/26/10
Work Order No: 10-10-2014
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-10-2005-5	**Solid**	**GC 45**	**10/26/10**	**10/26/10**	**101026S17**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	202	195	64-130	4	0-15	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: 10/26/10
Work Order No: 10-10-2014
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-5-MW1	**Solid**	**GC 4**	**10/26/10**	**10/26/10**	**101026S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	108	108	48-114	0	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: 10/26/10
Work Order No: 10-10-2014
Preparation: EPA 5030C
Method: EPA 8260B

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-5-MW1	**Solid**	**GC/MS Z**	**10/26/10**	**10/27/10**	**101027S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	96	61-127	4	0-20	
Toluene	99	95	63-123	3	0-20	
Ethylbenzene	107	100	57-129	6	0-22	
Methyl-t-Butyl Ether (MTBE)	105	102	57-123	3	0-21	
Tert-Butyl Alcohol (TBA)	115	106	30-168	8	0-34	
Diisopropyl Ether (DIPE)	100	95	57-129	5	0-20	
Ethyl-t-Butyl Ether (ETBE)	102	98	55-127	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	100	99	58-124	1	0-20	
Ethanol	133	110	17-167	19	0-47	
1,1-Dichloroethene	100	95	47-143	5	0-25	
1,2-Dibromoethane	105	102	64-124	2	0-20	
1,2-Dichlorobenzene	100	96	35-131	4	0-25	
1,2-Dichloroethane	100	96	80-120	5	0-20	
Carbon Tetrachloride	104	99	51-135	5	0-29	
Chlorobenzene	101	95	57-123	5	0-20	
Trichloroethene	102	99	44-158	4	0-20	
Vinyl Chloride	94	93	49-139	1	0-47	

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: 10-10-2014
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-254-1,648	**Solid**	**GC 45**	**10/26/10**	**10/26/10**	**101026B18**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	107	109	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: 10-10-2014
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-3,716	**Solid**	**GC 45**	**10/26/10**	**10/26/10**	**101026B17**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	104	100	75-123	4	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: 10-10-2014
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-4,051	**Solid**	**GC 4**	**10/26/10**	**10/26/10**	**101026B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	111	109	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: 10-10-2014
Preparation: EPA 5030C
Method: EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-713	**Solid**	**GC/MS Z**	**10/27/10**	**10/27/10**	**101027L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	92	98	78-120	71-127	6	0-20	
Toluene	90	96	77-120	70-127	6	0-20	
Ethylbenzene	92	99	76-120	69-127	8	0-20	
Methyl-t-Butyl Ether (MTBE)	102	106	77-120	70-127	4	0-20	
Tert-Butyl Alcohol (TBA)	92	92	68-122	59-131	1	0-20	
Diisopropyl Ether (DIPE)	94	97	78-120	71-127	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	98	102	78-120	71-127	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	97	100	75-120	68-128	3	0-20	
Ethanol	90	92	56-140	42-154	2	0-20	
1,1-Dichloroethene	92	97	74-122	66-130	5	0-20	
1,2-Dibromoethane	103	108	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	89	94	75-120	68-128	6	0-20	
1,2-Dichloroethane	97	100	80-120	73-127	4	0-20	
Carbon Tetrachloride	93	100	49-139	34-154	7	0-20	
Chlorobenzene	90	95	79-120	72-127	5	0-20	
Trichloroethene	94	101	80-120	73-127	7	0-20	
Vinyl Chloride	86	90	68-122	59-131	4	0-20	

Total number of LCS compounds : 17
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: 10-10-2014

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 or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
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.
ME	LCS recovery percentage is within LCS ME control limit range.
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.
U	Undetected at detection limit.
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.

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

ExxonMobil

2014

Consultant Name: Environmental Resolutions, Inc. | Account #: NA | PO#:
Consultant Address: 601 N. McDowell Boulevard | Invoice To: Jennifer Sedlachek
Consultant City/State/Zip: Petaluma, California, 94954 | Report To: Paula Sime
ExxonMobil Project Mgr: Jennifer Sedlachek | ERI Project #/Activity #: 02273503
Consultant Project Mgr: Paula Sime | ExxonMobil Site #: 79374 | Major Project (AFE #):
Consultant Telephone Number: 707-766-2000 | Fax No.: 707-789-0414 | Site Address: 990 San Pablo Avenue
Sampler Name (Print): Rebekah A. Westrup | Site City, State, Zip: Albany, California 94706
Sampler Signature: | Oversight Agency: Alameda County Environmental Health Department

	Sample ID	Field Point Name/ Location ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify):	Analyze For: TPHd and TPHg by EPA 8015B	TPHmo by EPA 8015B	BTEX by EPA 8260B	7 Oxys by EPA 8260B	Total Lead by 6010 (Stockpile sample only)		HVOCS 8010 List byEPA 8260 (Stockpile sample only)		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	S-5-mw1	mw1	10/20/10	14:40	1	X										X							X			X	X	X	X							X	
2	S-5-mw4	mw4		10:40	1	X										X							X			X	X	X	X							X	
3	S-5-mw5	mw5		9:10	1	X										X							X			X	X	X	X							X	
4	S-5-mw6	mw6		9:55	1	X										X							X			X	X	X	X							X	
5	S-5-CPT1	CPT1	↓	13:45	1	X										X							X			X	X	X	X							X	
6	S-5-CPT2	CPT2	10/19/10	12:00	1	X										X							X			X	X	X	X							X	
7	S-5-mw3	mw3	10/21/10	15:45	1	X										X							X			X	X	X	X							X	

Comments/Special Instructions:
Use silica gel cleanup on all TPHd analyses
7 oxy = MTBE, TBA, TAME, DIPE, ETBE, 1,2-DCA and EDB
GLOBAL ID # (global ID# - T0619716673)

PLEASE E-MAIL ALL PDF FILES TO
ERI-EIMLABS@eri-us.com
Norcallabs@eri-us.com

Relinquished by:		Date	Time	Received by:	Date	Time
		10/22/10	1400	CEL	10-25-10	1420
Relinquished by:		Date	Time	Received by (Lab personnel):	Date	Time
GSD		10-25-10	1730		10/26/10	10:30

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

GSO

< WebShip > > > > >

800-322-5555 www.gso.com

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

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

COD:
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Reference:
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Signature Type:
SIGNATURE REQUIRED

Tracking #: 515221312

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GARDEN GROVE

D92843A

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Print Date : 10/25/10 16:30 PM

2014

Package 3 of 3

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

LABEL INSTRUCTIONS:

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

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.

STEP 2 - Fold this page in half.

STEP 3 - Securely attach this label to your package, do not cover the barcode.

STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-10-2614

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ERI

DATE: 10/26/10

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

Temperature 1.4 °C + 0.5 °C (CF) = 1.9 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter **Initial:** BS

CUSTODY SEALS INTACT:

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

☐ 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.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (5/B) (2)(6) ☐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:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** WSC

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

Preservative: h: HCL n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** YC

Calscience
Environmental
Laboratories, Inc.

November 18, 2010

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BY:----------

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

Subject: **Calscience Work Order No.: 10-11-0368**
Client Reference: ExxonMobil 79374 / 022735

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/04/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted 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: 11/04/10
Work Order No: 10-11-0368
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10-MW6	**10-11-0368-1-A**	**11/02/10 11:11**	**Solid**	**GC 48**	**11/05/10**	**11/07/10 03:43**	**101105B27**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	114	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14.5-MW6	**10-11-0368-2-A**	**11/02/10 11:50**	**Solid**	**GC 48**	**11/05/10**	**11/07/10 03:58**	**101105B27**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	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-20-MW6	**10-11-0368-3-A**	**11/02/10 12:55**	**Solid**	**GC 48**	**11/05/10**	**11/07/10 04:13**	**101105B27**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-254-1,692**	**N/A**	**Solid**	**GC 48**	**11/05/10**	**11/06/10 22:06**	**101105B27**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	63	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	11/04/10
601 North McDowell Blvd.		Work Order No:	10-11-0368
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10-MW6	**10-11-0368-1-A**	**11/02/10 11:11**	**Solid**	**GC 48**	**11/05/10**	**11/07/10 03:43**	**101105B16**

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	8.2	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	114	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14.5-MW6	**10-11-0368-2-A**	**11/02/10 11:50**	**Solid**	**GC 48**	**11/05/10**	**11/07/10 03:58**	**101105B16**

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	U	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-20-MW6	**10-11-0368-3-A**	**11/02/10 12:55**	**Solid**	**GC 48**	**11/05/10**	**11/07/10 04:13**	**101105B16**

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	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-275-3,738**	**N/A**	**Solid**	**GC 48**	**11/05/10**	**11/06/10 22:06**	**101105B16**

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	63	61-145	

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: 11/04/10
Work Order No: 10-11-0368
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10-MW6	**10-11-0368-1-A**	**11/02/10 11:11**	**Solid**	**GC 4**	**11/09/10**	**11/10/10 09:43**	**101109B03**

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	8.7	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14.5-MW6	**10-11-0368-2-A**	**11/02/10 11:50**	**Solid**	**GC 4**	**11/09/10**	**11/10/10 10:15**	**101109B03**

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	1.8	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20-MW6	**10-11-0368-3-A**	**11/02/10 12:55**	**Solid**	**GC 4**	**11/09/10**	**11/10/10 10:47**	**101109B03**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	86	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-4,081**	**N/A**	**Solid**	**GC 4**	**11/09/10**	**11/10/10 05:57**	**101109B03**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	86	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: 11/04/10
Work Order No: 10-11-0368
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10-MW6	**10-11-0368-1-A**	**11/02/10 11:11**	**Solid**	**GC/MS Z**	**11/04/10**	**11/07/10 01:35**	**101106L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	63-141		1,4-Bromofluorobenzene	104	60-132	
1,2-Dichloroethane-d4	100	62-146		Toluene-d8	102	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14.5-MW6	**10-11-0368-2-A**	**11/02/10 11:50**	**Solid**	**GC/MS Z**	**11/04/10**	**11/07/10 01:04**	**101106L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	0.0093	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	98	62-146		1,4-Bromofluorobenzene	100	60-132	
Toluene-d8	99	80-120		Dibromofluoromethane	102	63-141	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20-MW6	**10-11-0368-3-A**	**11/02/10 12:55**	**Solid**	**GC/MS Z**	**11/04/10**	**11/06/10 13:36**	**101106L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	110	62-146		1,4-Bromofluorobenzene	99	60-132	
Dibromofluoromethane	106	63-141		Toluene-d8	102	80-120	

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: 11/04/10
Work Order No: 10-11-0368
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-738**	**N/A**	**Solid**	**GC/MS Z**	**11/06/10**	**11/06/10 12:38**	**101106L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	114	62-146		Toluene-d8	101	80-120	
Dibromofluoromethane	108	63-141		1,4-Bromofluorobenzene	96	60-132	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-739**	**N/A**	**Solid**	**GC/MS Z**	**11/06/10**	**11/07/10 00:38**	**101106L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	101	80-120		1,2-Dichloroethane-d4	103	62-146	
Dibromofluoromethane	100	63-141		1,4-Bromofluorobenzene	97	60-132	

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: 11/04/10
Work Order No: 10-11-0368
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0475-79	**Solid**	**GC 48**	**11/05/10**	**11/06/10**	**101105S27**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	97	101	64-130	4	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: 11/04/10
Work Order No: 10-11-0368
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0475-79	**Solid**	**GC 48**	**11/05/10**	**11/06/10**	**101105S16**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	100	112	64-130	11	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: 11/04/10
Work Order No: 10-11-0368
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0496-7	**Solid**	**GC 4**	**11/09/10**	**11/10/10**	**101109S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	90	93	48-114	3	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: 11/04/10
Work Order No: 10-11-0368
Preparation: EPA 5030C
Method: EPA 8260B

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-20-MW6	**Solid**	**GC/MS Z**	**11/04/10**	**11/06/10**	**101106S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	97	61-127	2	0-20	
Toluene	98	95	63-123	3	0-20	
Ethylbenzene	97	94	57-129	4	0-22	
Methyl-t-Butyl Ether (MTBE)	88	87	57-123	1	0-21	
Tert-Butyl Alcohol (TBA)	102	97	30-168	5	0-34	
Diisopropyl Ether (DIPE)	101	99	57-129	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	91	91	55-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	89	88	58-124	0	0-20	
Ethanol	109	92	17-167	17	0-47	
1,1-Dichloroethene	102	102	47-143	0	0-25	
1,2-Dibromoethane	92	92	64-124	0	0-20	
1,2-Dichlorobenzene	94	94	35-131	0	0-25	
1,2-Dichloroethane	102	103	80-120	1	0-20	
Carbon Tetrachloride	107	105	51-135	2	0-29	
Chlorobenzene	95	91	57-123	4	0-20	
Trichloroethene	99	98	44-158	2	0-20	
Vinyl Chloride	102	98	49-139	4	0-47	

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: 10-11-0368
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-254-1,692	**Solid**	**GC 48**	**11/05/10**	**11/06/10**	**101105B27**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	99	105	75-123	5	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: 10-11-0368
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-3,738	**Solid**	**GC 48**	**11/05/10**	**11/06/10**	**101105B16**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	97	92	75-123	6	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:	10-11-0368
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-4,081	**Solid**	**GC 4**	**11/09/10**	**11/10/10**	**101109B03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	101	100	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: 10-11-0368
Preparation: EPA 5030C
Method: EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-738	**Solid**	**GC/MS Z**	**11/06/10**	**11/06/10**	**101106L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	94	96	78-120	71-127	2	0-20	
Toluene	89	89	77-120	70-127	0	0-20	
Ethylbenzene	90	85	76-120	69-127	6	0-20	
Methyl-t-Butyl Ether (MTBE)	92	85	77-120	70-127	8	0-20	
Tert-Butyl Alcohol (TBA)	98	90	68-122	59-131	9	0-20	
Diisopropyl Ether (DIPE)	97	94	78-120	71-127	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	92	85	78-120	71-127	8	0-20	
Tert-Amyl-Methyl Ether (TAME)	86	88	75-120	68-128	1	0-20	
Ethanol	86	92	56-140	42-154	6	0-20	
1,1-Dichloroethene	99	96	74-122	66-130	3	0-20	
1,2-Dibromoethane	98	92	80-120	73-127	7	0-20	
1,2-Dichlorobenzene	83	78	75-120	68-128	6	0-20	
1,2-Dichloroethane	100	99	80-120	73-127	1	0-20	
Carbon Tetrachloride	99	96	49-139	34-154	4	0-20	
Chlorobenzene	90	86	79-120	72-127	5	0-20	
Trichloroethene	92	92	80-120	73-127	0	0-20	
Vinyl Chloride	97	97	68-122	59-131	0	0-20	

Total number of LCS compounds : 17
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

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

Date Received: N/A
Work Order No: 10-11-0368
Preparation: EPA 5030C
Method: EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-739	**Solid**	**GC/MS Z**	**11/06/10**	**11/06/10**	**101106L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	90	88	78-120	71-127	1	0-20	
Toluene	84	85	77-120	70-127	1	0-20	
Ethylbenzene	83	82	76-120	69-127	2	0-20	
Methyl-t-Butyl Ether (MTBE)	87	89	77-120	70-127	2	0-20	
Tert-Butyl Alcohol (TBA)	90	85	68-122	59-131	6	0-20	
Diisopropyl Ether (DIPE)	93	97	78-120	71-127	5	0-20	
Ethyl-t-Butyl Ether (ETBE)	89	91	78-120	71-127	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	88	87	75-120	68-128	1	0-20	
Ethanol	79	80	56-140	42-154	1	0-20	
1,1-Dichloroethene	90	91	74-122	66-130	1	0-20	
1,2-Dibromoethane	91	88	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	75	77	75-120	68-128	3	0-20	
1,2-Dichloroethane	87	86	80-120	73-127	1	0-20	
Carbon Tetrachloride	89	91	49-139	34-154	2	0-20	
Chlorobenzene	84	84	79-120	72-127	0	0-20	
Trichloroethene	90	87	80-120	73-127	4	0-20	
Vinyl Chloride	96	98	68-122	59-131	1	0-20	

Total number of LCS compounds : 17
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: 10-11-0368

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 or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
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.
ME	LCS recovery percentage is within LCS ME control limit range.
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.
U	Undetected at detection limit.
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.

Calscience Environmental Laboratories, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

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

0364

ExxonMobil

Consultant Name: Environmental Resolutions, Inc. **Account #:** NA **PO#:**
Consultant Address: 601 N. McDowell Boulevard **Invoice To:** Jennifer Sedlachek
Consultant City/State/Zip: Petaluma, California, 94954 **Report To:** Paula Sime
ExxonMobil Project Mgr: Jennifer Sedlachek **ERI Project #/Activity #:** 02273503
Consultant Project Mgr: Paula Sime **ExxonMobil Site #:** 79374 **Major Project (AFE #):**
Consultant Telephone Number: 707-766-2000 **Fax No.:** 707-789-0414 **Site Address:** 990 San Pablo Avenue
Sampler Name (Print): Rebekah Stringfellow **Site City, State, Zip:** Albany, California 94706
Sampler Signature: **Oversight Agency:** Alameda County Environmental Health Department

	Sample ID	Field Point Name/ Location ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify):	Analyze For: TPHd and TPHg by EPA 8015B	TPHmo by EPA 8015B	BTEX by EPA 8260B	7 Oxys by EPA 8260B	Total Lead by 6010 (Stockpile sample only)		HVOCS 8010 List byEPA 8260 (Stockpile sample only)		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	S-10-MW6	MW6	11/2/10	1114	1	✓										X							X			X	X	X	X							X	
2	S-14.5-MW6	MW6	11/2/10	1150	1	✓										X							X			X	X	X	X							X	
3	S-20-MW6	MW6	11/2/10	1255	1	✓										X							X			X	X	X	X							X	

Comments/Special Instructions:
Use silica gel cleanup on all TPHd analyses
7 oxy = MTBE, TBA, TAME, DIPE, ETBE, 1,2-DCA and EDB
GLOBAL ID # (global ID# - T0619716673)

PLEASE E-MAIL ALL PDF FILES TO ERI-EIMLABS@eri-us.com
Norcallabs@eri-us.com

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

Relinquished by:		Date	Time	Received by:	Date	Time
		11/3/10	9:53	Jo Connolly CCL	11/3/10	0953
Relinquished by:		Date	Time	Received by (Lab personnel):	Date	Time
	GSO	11-3-10	1730		11/4/10	1030

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-11-0361

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ERI

DATE: 11/04/10

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

Temperature 3.1 °C + 0.5 °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 **Initial:** JP

CUSTODY SEALS INTACT:

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

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

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (1) ☐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:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** DT

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

Preservative: h: HCL n: HNO_3 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.

November 18, 2010

RECEIVED
NOV 19 2010
BY:_____

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

Subject: **Calscience Work Order No.: 10-11-0633**
Client Reference: ExxonMobil 79374 / 022735

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/6/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted 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: 11/06/10
Work Order No: 10-11-0633
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10-MW1	**10-11-0633-1-A**	**11/04/10 09:20**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 20:31**	**101108B05**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	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-14.5-MW1	**10-11-0633-2-A**	**11/04/10 09:25**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 20:45**	**101108B05**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10-MW2	**10-11-0633-3-A**	**11/04/10 14:00**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 21:00**	**101108B05**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-15-MW2	**10-11-0633-4-A**	**11/04/10 14:43**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 21:15**	**101108B05**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	103	61-145	

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: 11/06/10
Work Order No: 10-11-0633
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW5	**10-11-0633-5-A**	**11/05/10 11:40**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 21:30**	**101108B05**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	29	25	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-16.5-MW5	**10-11-0633-6-A**	**11/05/10 12:00**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 21:45**	**101108B05**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	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-10-MW4	**10-11-0633-7-A**	**11/05/10 08:30**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 21:59**	**101108B05**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	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-15-MW4	**10-11-0633-8-A**	**11/05/10 08:47**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 22:14**	**101108B05**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

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

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: 11/06/10
Work Order No: 10-11-0633
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-16.5-MW4	**10-11-0633-9-A**	**11/05/10 08:47**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 22:29**	**101108B05**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	61-145	

Method Blank	099-12-254-1,702	N/A	Solid	GC 49	11/08/10	11/08/10 18:18	101108B05

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	61-145	

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: 11/06/10
Work Order No: 10-11-0633
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10-MW1	**10-11-0633-1-A**	**11/04/10 09:20**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 20:31**	**101108B04**

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	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	110	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14.5-MW1	**10-11-0633-2-A**	**11/04/10 09:25**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 20:45**	**101108B04**

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	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10-MW2	**10-11-0633-3-A**	**11/04/10 14:00**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 21:00**	**101108B04**

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	U	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-15-MW2	**10-11-0633-4-A**	**11/04/10 14:43**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 21:15**	**101108B04**

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	U	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

Environmental Resolutions, Inc.		Date Received:	11/06/10
601 North McDowell Blvd.		Work Order No:	10-11-0633
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW5	**10-11-0633-5-A**	**11/05/10 11:40**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 21:30**	**101108B04**

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	93	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-16.5-MW5	**10-11-0633-6-A**	**11/05/10 12:00**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 21:45**	**101108B04**

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	U	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-10-MW4	**10-11-0633-7-A**	**11/05/10 08:30**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 21:59**	**101108B04**

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	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	106	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-15-MW4	**10-11-0633-8-A**	**11/05/10 08:47**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 22:14**	**101108B04**

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	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	61-145	

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: 11/06/10
Work Order No: 10-11-0633
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-16.5-MW4	**10-11-0633-9-A**	**11/05/10 08:47**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 22:29**	**101108B04**

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	U	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
Method Blank	**099-12-275-3,742**	**N/A**	**Solid**	**GC 49**	**11/08/10**	**11/08/10 18:18**	**101108B04**

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	107	61-145	

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: 11/06/10
Work Order No: 10-11-0633
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10-MW1	**10-11-0633-1-A**	**11/04/10 09:20**	**Solid**	**GC 24**	**11/12/10**	**11/13/10 03:18**	**101112B02**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	72	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14.5-MW1	**10-11-0633-2-A**	**11/04/10 09:25**	**Solid**	**GC 24**	**11/12/10**	**11/13/10 03:51**	**101112B02**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	73	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10-MW2	**10-11-0633-3-A**	**11/04/10 14:00**	**Solid**	**GC 24**	**11/12/10**	**11/13/10 05:32**	**101112B02**

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	3.1	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	76	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-15-MW2	**10-11-0633-4-A**	**11/04/10 14:43**	**Solid**	**GC 24**	**11/12/10**	**11/13/10 06:06**	**101112B02**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	72	42-126	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	11/06/10
601 North McDowell Blvd.		Work Order No:	10-11-0633
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW5	**10-11-0633-5-A**	**11/05/10 11:40**	**Solid**	**GC 24**	**11/15/10**	**11/15/10 00:31**	**101115B03**

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	450	50	100		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-16.5-MW5	**10-11-0633-6-A**	**11/05/10 12:00**	**Solid**	**GC 24**	**11/12/10**	**11/13/10 07:13**	**101112B02**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	73	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10-MW4	**10-11-0633-7-A**	**11/05/10 08:30**	**Solid**	**GC 24**	**11/15/10**	**11/15/10 23:57**	**101115B03**

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	44	20	40		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	78	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-15-MW4	**10-11-0633-8-A**	**11/05/10 08:47**	**Solid**	**GC 24**	**11/12/10**	**11/13/10 08:20**	**101112B02**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	73	42-126	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	11/06/10
601 North McDowell Blvd.		Work Order No:	10-11-0633
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-16.5-MW4	**10-11-0633-9-A**	**11/05/10 08:47**	**Solid**	**GC 24**	**11/12/10**	**11/13/10 08:53**	**101112B02**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	73	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-4,089**	**N/A**	**Solid**	**GC 24**	**11/12/10**	**11/13/10 01:03**	**101112B02**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	71	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-4,094**	**N/A**	**Solid**	**GC 24**	**11/15/10**	**11/15/10 21:07**	**101115B03**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	4.0	8	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	78	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: 11/06/10
Work Order No: 10-11-0633
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10-MW1	**10-11-0633-1-A**	**11/04/10 09:20**	**Solid**	**GC/MS XX**	**11/06/10**	**11/10/10 16:01**	**101110L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	101	80-120		Dibromofluoromethane	99	63-141	
1,4-Bromofluorobenzene	106	60-132		1,2-Dichloroethane-d4	97	62-146	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14.5-MW1	**10-11-0633-2-A**	**11/04/10 09:25**	**Solid**	**GC/MS XX**	**11/06/10**	**11/10/10 16:30**	**101110L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	100	80-120		Dibromofluoromethane	101	63-141	
1,4-Bromofluorobenzene	106	60-132		1,2-Dichloroethane-d4	101	62-146	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10-MW2	**10-11-0633-3-A**	**11/04/10 14:00**	**Solid**	**GC/MS XX**	**11/06/10**	**11/10/10 18:04**	**101110L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	90	80-120		1,2-Dichloroethane-d4	90	62-146	
1,4-Bromofluorobenzene	83	60-132		Dibromofluoromethane	82	63-141	

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: 11/06/10
Work Order No: 10-11-0633
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-15-MW2	**10-11-0633-4-A**	**11/04/10 14:43**	**Solid**	**GC/MS XX**	**11/06/10**	**11/10/10 18:32**	**101110L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	92	80-120		Dibromofluoromethane	79	63-141	
1,4-Bromofluorobenzene	93	60-132		1,2-Dichloroethane-d4	86	62-146	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW5	**10-11-0633-5-A**	**11/05/10 11:40**	**Solid**	**GC/MS XX**	**11/06/10**	**11/10/10 14:08**	**101110L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100	U	Diisopropyl Ether (DIPE)	ND	1.0	100	U
Toluene	ND	0.50	100	U	Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	U
Ethylbenzene	1.5	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	U
Xylenes (total)	ND	0.50	100	U	1,2-Dibromoethane	ND	0.50	100	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	U	1,2-Dichloroethane	ND	0.50	100	U
Tert-Butyl Alcohol (TBA)	ND	5.0	100	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	90	80-120		Dibromofluoromethane	96	63-141	
1,4-Bromofluorobenzene	95	60-132		1,2-Dichloroethane-d4	97	62-146	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-16.5-MW5	**10-11-0633-6-A**	**11/05/10 12:00**	**Solid**	**GC/MS XX**	**11/11/10**	**11/11/10 20:29**	**101111L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	60-132		Dibromofluoromethane	99	63-141	
Toluene-d8	102	80-120		1,2-Dichloroethane-d4	110	62-146	

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: 11/06/10
Work Order No: 10-11-0633
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10-MW4	**10-11-0633-7-A**	**11/05/10 08:30**	**Solid**	**GC/MS XX**	**11/06/10**	**11/10/10 15:33**	**101110L02**

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	U	Diisopropyl Ether (DIPE)	ND	1.0	100	U
Toluene	ND	0.50	100	U	Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	U
Ethylbenzene	ND	0.50	100	U	Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	U
Xylenes (total)	ND	0.50	100	U	1,2-Dibromoethane	ND	0.50	100	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	U	1,2-Dichloroethane	ND	0.50	100	U
Tert-Butyl Alcohol (TBA)	ND	5.0	100	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	60-132		Dibromofluoromethane	96	63-141	
1,2-Dichloroethane-d4	88	62-146		Toluene-d8	101	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-15-MW4	**10-11-0633-8-A**	**11/05/10 08:47**	**Solid**	**GC/MS XX**	**11/06/10**	**11/10/10 19:29**	**101110L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	91	80-120		Dibromofluoromethane	82	63-141	
1,4-Bromofluorobenzene	90	60-132		1,2-Dichloroethane-d4	92	62-146	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-16.5-MW4	**10-11-0633-9-A**	**11/05/10 08:47**	**Solid**	**GC/MS XX**	**11/06/10**	**11/10/10 19:57**	**101110L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	91	80-120		1,2-Dichloroethane-d4	94	62-146	
1,4-Bromofluorobenzene	90	60-132		Dibromofluoromethane	82	63-141	

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: 11/06/10
Work Order No: 10-11-0633
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-745**	**N/A**	**Solid**	**GC/MS XX**	**11/10/10**	**11/10/10 13:11**	**101110L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	96	80-120		Dibromofluoromethane	99	63-141	
1,4-Bromofluorobenzene	107	60-132		1,2-Dichloroethane-d4	97	62-146	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-747**	**N/A**	**Solid**	**GC/MS XX**	**11/10/10**	**11/10/10 12:42**	**101110L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100	U	Diisopropyl Ether (DIPE)	ND	1.0	100	U
Toluene	ND	0.50	100	U	Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	U
Ethylbenzene	ND	0.50	100	U	Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	U
Xylenes (total)	ND	0.50	100	U	1,2-Dibromoethane	ND	0.50	100	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	U	1,2-Dichloroethane	ND	0.50	100	U
Tert-Butyl Alcohol (TBA)	ND	5.0	100	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	99	80-120		Dibromofluoromethane	93	63-141	
1,4-Bromofluorobenzene	105	60-132		1,2-Dichloroethane-d4	90	62-146	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-749**	**N/A**	**Solid**	**GC/MS XX**	**11/11/10**	**11/11/10 16:13**	**101111L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	106	62-146		1,4-Bromofluorobenzene	99	60-132	
Dibromofluoromethane	102	63-141		Toluene-d8	97	80-120	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.		Date Received:	11/06/10
601 North McDowell Blvd.		Work Order No:	10-11-0633
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-10-MW1	**Solid**	**GC 49**	**11/08/10**	**11/08/10**	**101108S05**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	92	89	64-130	3	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.		Date Received:	11/06/10
601 North McDowell Blvd.		Work Order No:	10-11-0633
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-10-MW1	**Solid**	**GC 49**	**11/08/10**	**11/08/10**	**101108S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	96	94	64-130	2	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.		Date Received:	11/06/10
601 North McDowell Blvd.		Work Order No:	10-11-0633
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-14.5-MW1	**Solid**	**GC 24**	**11/12/10**	**11/13/10**	**101112S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	109	106	48-114	3	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.		Date Received:	11/06/10
601 North McDowell Blvd.		Work Order No:	10-11-0633
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-10.5-MW5	**Solid**	**GC/MS XX**	**11/06/10**	**11/10/10**	**101110S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	104	61-127	1	0-20	
Toluene	109	108	63-123	1	0-20	
Ethylbenzene	99	98	57-129	1	0-22	
Methyl-t-Butyl Ether (MTBE)	108	133	57-123	20	0-21	3
Tert-Butyl Alcohol (TBA)	87	87	30-168	0	0-34	
Diisopropyl Ether (DIPE)	84	104	57-129	21	0-20	4
Ethyl-t-Butyl Ether (ETBE)	105	130	55-127	21	0-20	4,3
Tert-Amyl-Methyl Ether (TAME)	114	112	58-124	1	0-20	
Ethanol	328	349	17-167	6	0-47	3
1,1-Dichloroethene	77	106	47-143	32	0-25	4
1,2-Dibromoethane	99	97	64-124	2	0-20	
1,2-Dichlorobenzene	96	95	35-131	1	0-25	
1,2-Dichloroethane	99	97	80-120	2	0-20	
Carbon Tetrachloride	108	135	51-135	22	0-29	
Chlorobenzene	99	99	57-123	0	0-20	
Trichloroethene	110	108	44-158	1	0-20	
Vinyl Chloride	121	147	49-139	20	0-47	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.		Date Received:	11/06/10
601 North McDowell Blvd.		Work Order No:	10-11-0633
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0683-2	**Solid**	**GC/MS XX**	**11/08/10**	**11/11/10**	**101111S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	104	61-127	1	0-20	
Toluene	102	103	63-123	1	0-20	
Ethylbenzene	105	106	57-129	1	0-22	
Methyl-t-Butyl Ether (MTBE)	96	98	57-123	3	0-21	
Tert-Butyl Alcohol (TBA)	100	99	30-168	1	0-34	
Diisopropyl Ether (DIPE)	103	103	57-129	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	101	103	55-127	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	100	102	58-124	2	0-20	
Ethanol	95	92	17-167	4	0-47	
1,1-Dichloroethene	88	85	47-143	4	0-25	
1,2-Dibromoethane	101	102	64-124	1	0-20	
1,2-Dichlorobenzene	99	98	35-131	2	0-25	
1,2-Dichloroethane	102	103	80-120	1	0-20	
Carbon Tetrachloride	101	103	51-135	2	0-29	
Chlorobenzene	101	101	57-123	0	0-20	
Trichloroethene	102	102	44-158	1	0-20	
Vinyl Chloride	118	120	49-139	2	0-47	

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:	10-11-0633
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-254-1,702	**Solid**	**GC 49**	**11/08/10**	**11/08/10**	**101108B05**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	96	95	75-123	1	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:	10-11-0633
Petaluma, CA 94954-2312	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-3,742	**Solid**	**GC 49**	**11/08/10**	**11/08/10**	**101108B04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	116	114	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:	10-11-0633
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-4,094	**Solid**	**GC 24**	**11/15/10**	**11/15/10**	**101115B03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	113	111	70-124	1	0-18	

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: 10-11-0633
Petaluma, CA 94954-2312	Preparation: EPA 5030C
	Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-4,089	**Solid**	**GC 24**	**11/12/10**	**11/13/10**	**101112B02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	108	110	70-124	1	0-18	

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: 10-11-0633
Petaluma, CA 94954-2312	Preparation: EPA 5030C
	Method: EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-745	**Solid**	**GC/MS XX**	**11/10/10**	**11/10/10**	**101110L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	99	102	78-120	71-127	2	0-20	
Toluene	105	107	77-120	70-127	2	0-20	
Ethylbenzene	101	103	76-120	69-127	2	0-20	
Methyl-t-Butyl Ether (MTBE)	107	109	77-120	70-127	2	0-20	
Tert-Butyl Alcohol (TBA)	90	89	68-122	59-131	1	0-20	
Diisopropyl Ether (DIPE)	84	85	78-120	71-127	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	104	106	78-120	71-127	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	114	115	75-120	68-128	1	0-20	
Ethanol	52	50	56-140	42-154	4	0-20	ME
1,1-Dichloroethene	94	96	74-122	66-130	2	0-20	
1,2-Dibromoethane	101	102	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	98	100	75-120	68-128	2	0-20	
1,2-Dichloroethane	95	96	80-120	73-127	1	0-20	
Carbon Tetrachloride	111	114	49-139	34-154	3	0-20	
Chlorobenzene	101	102	79-120	72-127	1	0-20	
Trichloroethene	106	109	80-120	73-127	3	0-20	
Vinyl Chloride	101	103	68-122	59-131	2	0-20	

Total number of LCS compounds : 17
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

Environmental Resolutions, Inc.		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	10-11-0633
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-747	**Solid**	**GC/MS XX**	**11/10/10**	**11/10/10**	**101110L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	99	102	78-120	71-127	2	0-20	
Toluene	105	107	77-120	70-127	2	0-20	
Ethylbenzene	101	103	76-120	69-127	2	0-20	
Methyl-t-Butyl Ether (MTBE)	107	109	77-120	70-127	2	0-20	
Tert-Butyl Alcohol (TBA)	90	89	68-122	59-131	1	0-20	
Diisopropyl Ether (DIPE)	84	85	78-120	71-127	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	104	106	78-120	71-127	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	114	115	75-120	68-128	1	0-20	
Ethanol	52	50	56-140	42-154	4	0-20	ME
1,1-Dichloroethene	94	96	74-122	66-130	2	0-20	
1,2-Dibromoethane	101	102	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	98	100	75-120	68-128	2	0-20	
1,2-Dichloroethane	95	96	80-120	73-127	1	0-20	
Carbon Tetrachloride	111	114	49-139	34-154	3	0-20	
Chlorobenzene	101	102	79-120	72-127	1	0-20	
Trichloroethene	106	109	80-120	73-127	3	0-20	
Vinyl Chloride	101	103	68-122	59-131	2	0-20	

Total number of LCS compounds : 17
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

Environmental Resolutions, Inc.		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	10-11-0633
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-749	**Solid**	**GC/MS XX**	**11/11/10**	**11/11/10**	**101111L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	100	100	78-120	71-127	0	0-20	
Toluene	99	100	77-120	70-127	1	0-20	
Ethylbenzene	101	101	76-120	69-127	0	0-20	
Methyl-t-Butyl Ether (MTBE)	102	103	77-120	70-127	0	0-20	
Tert-Butyl Alcohol (TBA)	100	101	68-122	59-131	0	0-20	
Diisopropyl Ether (DIPE)	105	104	78-120	71-127	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	103	103	78-120	71-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	100	102	75-120	68-128	2	0-20	
Ethanol	105	99	56-140	42-154	6	0-20	
1,1-Dichloroethene	103	106	74-122	66-130	3	0-20	
1,2-Dibromoethane	102	104	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	99	98	75-120	68-128	1	0-20	
1,2-Dichloroethane	101	101	80-120	73-127	0	0-20	
Carbon Tetrachloride	105	107	49-139	34-154	2	0-20	
Chlorobenzene	99	99	79-120	72-127	0	0-20	
Trichloroethene	101	102	80-120	73-127	1	0-20	
Vinyl Chloride	106	103	68-122	59-131	3	0-20	

Total number of LCS compounds : 17
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: 10-11-0633

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 or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
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.
ME	LCS recovery percentage is within LCS ME control limit range.
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.
U	Undetected at detection limit.
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: Rebekah Westrup [rebekah.westrup@cardno.com]
Sent: Monday, November 08, 2010 6:41 PM
To: Sandy Tat
Subject: RE: ExxonMobil 79374 / 022735 (10-11-0633)
Attachments: 10-11-0633.pdf

Sandy:

That should be S-10.5-MW5 See attached.

From: Sandy Tat [mailto:STat@calscience.com]
Sent: Monday, November 08, 2010 12:01 PM
To: Rebekah Westrup
Subject: ExxonMobil 79374 / 022735 (10-11-0633)

Hi Rebekah,

Please verify the sample ID for sample S-5-MW5. On the COC, it labeled as S-5-MW5, but on the containers, it labeled as S-10.5-MW5. Therefore, which sample ID should we follow? Please advise.

Thanks,

Sandy Tat
Project Manager Assistant
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 714-895-5494 x220
Fax: 714-894-7501
STat@calscience.com

Calscience Environmental Laboratories, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

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

ExxonMobil

0633

Consultant Name: Environmental Resolutions, Inc. **Account #:** NA **PO#:**
Consultant Address: 601 N. McDowell Boulevard **Invoice To:** Jennifer Sedlachek
Consultant City/State/Zip: Petaluma, California, 94954 **Report To:** Paula Sime
ExxonMobil Project Mgr: Jennifer Sedlachek **ERI Project #/Activity #:** 02273503
Consultant Project Mgr: Paula Sime **ExxonMobil Site #:** 79374 **Major Project (AFE #):**
Consultant Telephone Number: 707-766-2000 **Fax No.:** 707-789-0414 **Site Address:** 990 San Pablo Avenue
Sampler Name (Print): Rebekah K. Westrup **Site City, State, Zip:** Albany, California 94706
Sampler Signature: **Oversight Agency:** Alameda County Environmental Health Department

	Sample ID	Field Point Name/ Location ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify):	Analyze For: TPHd and TPHg by EPA 8015B	TPHmo by EPA 8015B	BTEX by EPA 8260B	7 Oxys by EPA 8260B	Total Lead by 6010 (Stockpile sample only)		HVOCS 8010 List byEPA 8260 (Stockpile sample only)		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	S-10-MW1	MW1	11/4/10	0920	1	1										X							X			X	X	X	X							X	
2	S-14.5-MW1	MW1	11/4/10	0925	1	1																															
3	S-10-MW2	MW2	11/4/10	1407	1	1																															
4	S-15-MW2	MW2	11/4/10	1443	1	1																															
5	S-5-MW5 S-10.5-MW5	MW5	11/5/10	11:40	1	1																															
6	S-16.5-MW5	MW5	11/5/10	1200	1	1																															
7	S-10-MW4	MW4	11/5/10	8:30	1	1																															
8	S-15-MW4	MW4	"	8:47	1	1																															
9	S-16.5-MW4	MW4	↓	8:47	1	1										↓							↓			↓	↓	↓	↓						✓	

Comments/Special Instructions:
Use silica gel cleanup on all TPHd analyses
7 oxy = MTBE, TBA, TAME, DIPE, ETBE, 1,2-DCA and EDB
GLOBAL ID # (global ID# - T0619716673)

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Norcallabs@eri-us.com

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		11/5/10	12:18	CEL	11-5-10	1218
Relinquished by:		Date	Time	Received by (Lab personnel):	Date	Time
TW GSD		11-5-10	1730	CEL	11/6/10	0930

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

Calscience Environmental Laboratories, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

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

ExxonMobil

0633

Consultant Name: Environmental Resolutions, Inc. **Account #:** NA **PO#:**
Consultant Address: 601 N. McDowell Boulevard **Invoice To:** Jennifer Sedlachek
Consultant City/State/Zip: Petaluma, California, 94954 **Report To:** Paula Sime
ExxonMobil Project Mgr: Jennifer Sedlachek **ERI Project #/Activity #:** 02273503
Consultant Project Mgr: Paula Sime **ExxonMobil Site #:** 79374 **Major Project (AFE #):**
Consultant Telephone Number: 707-766-2000 **Fax No.:** 707-789-0414 **Site Address:** 990 San Pablo Avenue
Sampler Name (Print): Rebekah K. Westrup **Site City, State, Zip:** Albany, California 94706
Sampler Signature: **Oversight Agency:** Alameda County Environmental Health Department

	Sample ID	Field Point Name/ Location ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify):	Analyze For: TPHd and TPHg by EPA 8015B	TPHmo by EPA 8015B	BTEX by EPA 8260B	7 Oxys by EPA 8260B	Total Lead by 6010 (Stockpile sample only)		HVOCS 8010 List byEPA 8260 (Stockpile sample only)		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	S-10-MW1	MW1	11/4/10	0920	1	1										X							X			X	X	X	X							X	
2	S-14.5-MW1	MW1	11/4/10	0925	1	1																															
3	S-10-MW2	MW2	11/4/10	1407	1	1																															
4	S-15-MW2	MW2	11/4/10	1443	1	1																															
5	S-5-MW5	MW5	11/5/10	11:40	1	1																															
6	S-16.5-MW5	MW5	11/5/10	1200	1	1																															
7	S-10-MW4	MW4	11/5/10	8:30	1	1																															
8	S-15-MW4	MW4	"	8:47	1	1																															
9	S-16.5-MW4	MW4	↓	8:47	1	1										↓							↓			↓	↓	↓	↓						✓	

Comments/Special instructions:
Use silica gel cleanup on all TPHd analyses
7 oxy = MTBE, TBA, TAME, DIPE, ETBE, 1,2-DCA and EDB
GLOBAL ID # (global ID# - T0619716673)

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Norcallabs@eri-us.com

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		11/5/10	12:18	CEL		11-5-10	1218
Relinquished by:		Date	Time	Received by (Lab personnel):		Date	Time
TW OSD		11-5-10	1730	CEL		11/6/10	0930

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

GSO

WebShip > > > >

800-322-5555 www.gso.com

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

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

COD:
$0.00

Reference:
BTS, DALY CITY, ERI

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515304468

SDS

ORC

D

GARDEN GROVE

D92843A

86117832

0633

Print Date : 11/05/10 13:26 PM

Package 1 of 1

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-11-0633

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ERI

DATE: 11/06/10

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

Temperature 3.6 °C + 0.5 °C (CF) = 4.1 °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 Initial: TN

CUSTODY SEALS INTACT:

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

☐ 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.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (P) ☐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:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** WSC

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

Preservative: h: HCL n: HNO_3 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:** YL

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-11-0633

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

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

Comments:

(-5) labeled as S-10.5-MW5 11-5-10, @ 1140

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

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

Comments: _____

*Transferred at Client's request.

Initial / Date: WSC 11/06/10

Calscience
Environmental
Laboratories, Inc.

November 24, 2010

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

Subject: **Calscience Work Order No.: 10-11-0827**
Client Reference: ExxonMobil 79374 / 022735

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/10/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted 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:	11/10/10
601 North McDowell Blvd.		Work Order No:	10-11-0827
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW3	**10-11-0827-1-A**	**11/08/10 09:00**	**Solid**	**GC 47**	**11/11/10**	**11/14/10 04:20**	**101111B12S**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	90	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-15.5-MW3	**10-11-0827-2-A**	**11/08/10 09:20**	**Solid**	**GC 47**	**11/11/10**	**11/14/10 04:36**	**101111B12S**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	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
Method Blank	**099-12-254-1,734**	**N/A**	**Solid**	**GC 47**	**11/11/10**	**11/13/10 20:03**	**101111B12S**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	81	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	11/10/10
601 North McDowell Blvd.		Work Order No:	10-11-0827
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735 — Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW3	**10-11-0827-1-A**	**11/08/10 09:00**	**Solid**	**GC 47**	**11/11/10**	**11/14/10 04:20**	**101111B11S**

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	11	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	90	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-15.5-MW3	**10-11-0827-2-A**	**11/08/10 09:20**	**Solid**	**GC 47**	**11/11/10**	**11/14/10 04:36**	**101111B11S**

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	U	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
Method Blank	**099-12-275-3,754**	**N/A**	**Solid**	**GC 47**	**11/11/10**	**11/13/10 20:03**	**101111B11S**

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	81	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	11/10/10
601 North McDowell Blvd.		Work Order No:	10-11-0827
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW3	**10-11-0827-1-A**	**11/08/10 09:00**	**Solid**	**GC 4**	**11/16/10**	**11/16/10 16:42**	**101116B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	220	5.0	10		mg/kg

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-15.5-MW3	**10-11-0827-2-A**	**11/08/10 09:20**	**Solid**	**GC 4**	**11/16/10**	**11/16/10 22:37**	**101116B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	2.2	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-4,095**	**N/A**	**Solid**	**GC 4**	**11/16/10**	**11/16/10 10:46**	**101116B01**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	88	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-4,096**	**N/A**	**Solid**	**GC 4**	**11/16/10**	**11/16/10 12:24**	**101116B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	4.0	8	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	73	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: 11/10/10
Work Order No: 10-11-0827
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10.5-MW3	**10-11-0827-1-A**	**11/08/10 09:00**	**Solid**	**GC/MS UU**	**11/10/10**	**11/12/10 06:09**	**101111L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100	U	Diisopropyl Ether (DIPE)	ND	1.0	100	U
Toluene	ND	0.50	100	U	Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	U
Ethylbenzene	2.0	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	U
Xylenes (total)	1.1	0.50	100		1,2-Dibromoethane	ND	0.50	100	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	U	1,2-Dichloroethane	ND	0.50	100	U
Tert-Butyl Alcohol (TBA)	ND	5.0	100	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	88	62-146		Dibromofluoromethane	91	63-141	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	96	60-132	

S-15.5-MW3	**10-11-0827-2-A**	**11/08/10 09:20**	**Solid**	**GC/MS UU**	**11/10/10**	**11/12/10 06:36**	**101111L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	95	62-146		1,4-Bromofluorobenzene	97	60-132	
Toluene-d8	98	80-120		Dibromofluoromethane	97	63-141	

Method Blank	**099-12-882-750**	**N/A**	**Solid**	**GC/MS UU**	**11/11/10**	**11/12/10 01:08**	**101111L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	Diisopropyl Ether (DIPE)	ND	0.010	1	U
Toluene	ND	0.0050	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U
Ethylbenzene	ND	0.0050	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U
Xylenes (total)	ND	0.0050	1	U	1,2-Dibromoethane	ND	0.0050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	1,2-Dichloroethane	ND	0.0050	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	60-132		Dibromofluoromethane	103	63-141	
Toluene-d8	97	80-120		1,2-Dichloroethane-d4	106	62-146	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received:	11/10/10
601 North McDowell Blvd.	Work Order No:	10-11-0827
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	mg/kg

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-751**	**N/A**	**Solid**	**GC/MS UU**	**11/11/10**	**11/12/10 01:35**	**101111L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100	U	Diisopropyl Ether (DIPE)	ND	1.0	100	U
Toluene	ND	0.50	100	U	Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	U
Ethylbenzene	ND	0.50	100	U	Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	U
Xylenes (total)	ND	0.50	100	U	1,2-Dibromoethane	ND	0.50	100	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	U	1,2-Dichloroethane	ND	0.50	100	U
Tert-Butyl Alcohol (TBA)	ND	5.0	100	U					
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Toluene-d8	96	80-120			1,2-Dichloroethane-d4	95	62-146		
Dibromofluoromethane	94	63-141			1,4-Bromofluorobenzene	96	60-132		

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: 11/10/10
Work Order No: 10-11-0827
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0093-14	**Solid**	**GC 47**	**11/11/10**	**11/13/10**	**101111S12**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	106	123	64-130	15	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.		Date Received:	11/10/10
601 North McDowell Blvd.		Work Order No:	10-11-0827
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0093-14	**Solid**	**GC 47**	**11/11/10**	**11/13/10**	**101111S11**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	112	125	64-130	11	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: 11/10/10
Work Order No: 10-11-0827
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-1031-4	**Solid**	**GC 4**	**11/16/10**	**11/16/10**	**101116S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	105	105	48-114	0	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received:	11/10/10
601 North McDowell Blvd.	Work Order No:	10-11-0827
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0655-3	**Solid**	**GC/MS UU**	**11/08/10**	**11/12/10**	**101111S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	80	83	61-127	3	0-20	
Toluene	55	55	63-123	0	0-20	3
Ethylbenzene	48	49	57-129	2	0-22	3
Methyl-t-Butyl Ether (MTBE)	96	101	57-123	5	0-21	
Tert-Butyl Alcohol (TBA)	99	114	30-168	14	0-34	
Diisopropyl Ether (DIPE)	93	96	57-129	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	87	91	55-127	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	80	83	58-124	4	0-20	
Ethanol	22	25	17-167	14	0-47	
1,1-Dichloroethene	99	106	47-143	7	0-25	
1,2-Dibromoethane	104	116	64-124	11	0-20	
1,2-Dichlorobenzene	46	42	35-131	9	0-25	
1,2-Dichloroethane	94	99	80-120	5	0-20	
Carbon Tetrachloride	16	20	51-135	19	0-29	3
Chlorobenzene	71	71	57-123	0	0-20	
Trichloroethene	70	75	44-158	6	0-20	
Vinyl Chloride	115	117	49-139	2	0-47	

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:	10-11-0827
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-254-1,734	**Solid**	**GC 47**	**11/11/10**	**11/13/10**	**101111B12S**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	112	112	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:	10-11-0827
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-3,754	**Solid**	**GC 47**	**11/11/10**	**11/13/10**	**101111B11S**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	114	118	75-123	4	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:	10-11-0827
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-4,096	**Solid**	**GC 4**	**11/16/10**	**11/16/10**	**101116B02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	106	107	70-124	0	0-18	

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:	10-11-0827
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-4,095	**Solid**	**GC 4**	**11/16/10**	**11/16/10**	**101116B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	106	107	70-124	0	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: 10-11-0827
Preparation: EPA 5030C
Method: EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-750	**Solid**	**GC/MS UU**	**11/11/10**	**11/11/10**	**101111L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	88	92	78-120	71-127	5	0-20	
Toluene	91	95	77-120	70-127	4	0-20	
Ethylbenzene	94	95	76-120	69-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	89	93	77-120	70-127	5	0-20	
Tert-Butyl Alcohol (TBA)	92	94	68-122	59-131	2	0-20	
Diisopropyl Ether (DIPE)	88	90	78-120	71-127	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	83	87	78-120	71-127	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	83	89	75-120	68-128	7	0-20	
Ethanol	96	93	56-140	42-154	3	0-20	
1,1-Dichloroethene	93	95	74-122	66-130	2	0-20	
1,2-Dibromoethane	97	101	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	96	99	75-120	68-128	3	0-20	
1,2-Dichloroethane	96	101	80-120	73-127	5	0-20	
Carbon Tetrachloride	104	107	49-139	34-154	3	0-20	
Chlorobenzene	97	100	79-120	72-127	3	0-20	
Trichloroethene	92	97	80-120	73-127	6	0-20	
Vinyl Chloride	90	94	68-122	59-131	5	0-20	

Total number of LCS compounds : 17
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

Environmental Resolutions, Inc.		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	10-11-0827
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-751	**Solid**	**GC/MS UU**	**11/11/10**	**11/11/10**	**101111L04**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	88	92	78-120	71-127	5	0-20	
Toluene	91	95	77-120	70-127	4	0-20	
Ethylbenzene	94	95	76-120	69-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	89	93	77-120	70-127	5	0-20	
Tert-Butyl Alcohol (TBA)	92	94	68-122	59-131	2	0-20	
Diisopropyl Ether (DIPE)	88	90	78-120	71-127	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	83	87	78-120	71-127	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	83	89	75-120	68-128	7	0-20	
Ethanol	96	93	56-140	42-154	3	0-20	
1,1-Dichloroethene	93	95	74-122	66-130	2	0-20	
1,2-Dibromoethane	97	101	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	96	99	75-120	68-128	3	0-20	
1,2-Dichloroethane	96	101	80-120	73-127	5	0-20	
Carbon Tetrachloride	104	107	49-139	34-154	3	0-20	
Chlorobenzene	97	100	79-120	72-127	3	0-20	
Trichloroethene	92	97	80-120	73-127	6	0-20	
Vinyl Chloride	90	94	68-122	59-131	5	0-20	

Total number of LCS compounds : 17
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: 10-11-0827

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 or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
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.
ME	LCS recovery percentage is within LCS ME control limit range.
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.
U	Undetected at detection limit.
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.

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

0827

ExxonMobil

Consultant Name: Environmental Resolutions, Inc. **Account #:** NA **PO#:**
Consultant Address: 601 N. McDowell Boulevard **Invoice To:** Jennifer Sedlachek
Consultant City/State/Zip: Petaluma, California, 94954 **Report To:** Paula Sime
ExxonMobil Project Mgr: Jennifer Sedlachek **ERI Project #/Activity #:** 02273503
Consultant Project Mgr: Paula Sime **ExxonMobil Site #:** 79374 **Major Project (AFE #):**
Consultant Telephone Number: 707-766-2000 **Fax No.:** 707-789-0414 **Site Address:** 990 San Pablo Avenue
Sampler Name (Print): Rebekah A Westrup **Site City, State, Zip:** Albany, California 94706
Sampler Signature: **Oversight Agency:** Alameda County Environmental Health Department

	Sample ID	Field Point Name/ Location ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify):	Analyze For: TPHd and TPHg by EPA 8015B	TPHmo by EPA 8015B	BTEX by EPA 8260B	7 Oxys by EPA 8260B	Total Lead by 6010 (Stockpile sample only)		HVOCS 8010 List byEPA 8260 (Stockpile sample only)		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	S-10.5-mw3	mw3	11/8/10	900	1	X										X							X			X	X	X	X							X	
2	S-15.5-mw3	mw3	11/8/10	920	1	X										X							X			X	X	X	X							X	

Comments/Special Instructions:
Use silica gel cleanup on all TPHd analyses
7 oxy = MTBE, TBA, TAME, DIPE, ETBE, 1,2-DCA and EDB
GLOBAL ID # (global ID# - T0619716673)

PLEASE E-MAIL ALL PDF FILES TO
ERI-EIMLABS@eri-us.com
Norcallabs@eri-us.com

Relinquished by:		Date	Time	Received by:		Date	Time
		11/8/10	1700	CEL		11-9-10	0905
Relinquished by:		Date	Time	Received by (Lab personnel):		Date	Time
to GSD		11-9-10	1730			11/10/10	1030

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

0827

GSO

WebShip

800-322-5555 www.gso.com

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

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

COD:
$0.00

Reference:
CURTIS & TOMPKINS, ERI, STANTEC, CONOCO PHILLIPS

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515326392

NPS

ORC

D

GARDEN GROVE

D92843A

86201472

Print Date : 11/09/10 15:30 PM

Package 1 of 1

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

LABEL INSTRUCTIONS:

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

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.

STEP 2 - Fold this page in half.

STEP 3 - Securely attach this label to your package, do not cover the barcode.

STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-11-0827

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ERI DATE: 11/10/10

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

Temperature 2.4 °C + 0.5 °C (CF) = 2.9 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Initial: _____

CUSTODY SEALS INTACT:

☑ Cooler	☐_____	☐ No (Not Intact)	☐ Not Present	☐ N/A	Initial: _____
☐ 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.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (2) ☐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:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** _____

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

Preservative: h: HCL n: HNO_3 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.

November 22, 2010

RECEIVED
NOV 23 2010
BY:

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

Subject: **Calscience Work Order No.: 10-11-0826**
Client Reference: ExxonMobil 79374 / 022735

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/10/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted 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:	11/10/10
601 North McDowell Blvd.		Work Order No:	10-11-0826
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735 — Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
COMP(S-Profile-1-4)	**10-11-0826-5-A**	**11/08/10 10:20**	**Solid**	**GC 47**	**11/11/10**	**11/14/10 04:20**	**101111B12S**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	90	61-145	

Method Blank	099-12-254-1,734	N/A	Solid	GC 47	11/11/10	11/13/10 20:03	101111B12S

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	81	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	11/10/10
601 North McDowell Blvd.		Work Order No:	10-11-0826
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735 — Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
COMP(S-Profile-1-4)	**10-11-0826-5-A**	**11/08/10 10:20**	**Solid**	**GC 47**	**11/11/10**	**11/14/10 04:06**	**101111B11S**

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	7.1	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	90	61-145	

Method Blank	099-12-275-3,754	N/A	Solid	GC 47	11/11/10	11/13/10 20:03	101111B11S

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	81	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	11/10/10
601 North McDowell Blvd.		Work Order No:	10-11-0826
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735 — Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
COMP(S-Profile-1-4)	**10-11-0826-5-A**	**11/08/10 10:20**	**Solid**	**GC 4**	**11/16/10**	**11/17/10 18:31**	**101116B04**

Comment(s): -The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons are also present (or were detected).

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	14	4.0	8		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	42-126	

Method Blank	099-12-279-4,099	N/A	Solid	GC 4	11/16/10	11/17/10 06:08	101116B04

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	4.0	8	U	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

Environmental Resolutions, Inc.	Date Received:	11/10/10
601 North McDowell Blvd.	Work Order No:	10-11-0826
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	mg/kg

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
COMP(S-Profile-1-4)	**10-11-0826-5-A**	**11/08/10 10:20**	**Solid**	**GC/MS UU**	**11/10/10**	**11/12/10 05:41**	**101111L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	2,2-Dichloropropane	ND	0.0050	1	U
Toluene	ND	0.0050	1	U	2-Chlorotoluene	ND	0.0050	1	U
Ethylbenzene	0.069	0.0050	1		4-Chlorotoluene	ND	0.0050	1	U
Xylenes (total)	0.049	0.0050	1		4-Methyl-2-Pentanone	ND	0.050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	Acetone	ND	0.12	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U	Bromobenzene	ND	0.0050	1	U
Diisopropyl Ether (DIPE)	ND	0.010	1	U	Bromochloromethane	ND	0.0050	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U	Bromoform	ND	0.0050	1	U
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U	Bromomethane	ND	0.025	1	U
Ethanol	ND	0.25	1	U	Carbon Disulfide	ND	0.050	1	U
1,1,1,2-Tetrachloroethane	ND	0.0050	1	U	Carbon Tetrachloride	ND	0.0050	1	U
1,1,1-Trichloroethane	ND	0.0050	1	U	Chlorobenzene	ND	0.0050	1	U
1,1,2,2-Tetrachloroethane	ND	0.0050	1	U	Dibromochloromethane	ND	0.0050	1	U
1,1,2-Trichloroethane	ND	0.0050	1	U	Chloroethane	ND	0.0050	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	1	U	Chloroform	ND	0.0050	1	U
1,1-Dichloroethane	ND	0.0050	1	U	Chloromethane	ND	0.025	1	U
1,1-Dichloroethene	ND	0.0050	1	U	Dibromomethane	ND	0.0050	1	U
1,1-Dichloropropene	ND	0.0050	1	U	Bromodichloromethane	ND	0.0050	1	U
1,2,3-Trichlorobenzene	ND	0.010	1	U	Dichlorodifluoromethane	ND	0.0050	1	U
1,2,3-Trichloropropane	ND	0.0050	1	U	Hexachloro-1,3-Butadiene	ND	0.10	1	U
1,2,4-Trichlorobenzene	ND	0.0050	1	U	Isopropylbenzene	0.061	0.0050	1	
1,2,4-Trimethylbenzene	0.0053	0.0050	1		2-Butanone	ND	0.050	1	U
1,3,5-Trimethylbenzene	0.062	0.0050	1		Methylene Chloride	ND	0.050	1	U
c-1,2-Dichloroethene	ND	0.0050	1	U	2-Hexanone	ND	0.050	1	U
1,2-Dibromo-3-Chloropropane	ND	0.010	1	U	Naphthalene	0.098	0.050	1	
1,2-Dibromoethane	ND	0.0050	1	U	n-Butylbenzene	0.14	0.0050	1	
1,2-Dichlorobenzene	ND	0.0050	1	U	n-Propylbenzene	ND	0.50	100	U
1,2-Dichloroethane	ND	0.0050	1	U	p-Isopropyltoluene	0.012	0.0050	1	
1,2-Dichloropropane	ND	0.0050	1	U	sec-Butylbenzene	0.053	0.0050	1	
t-1,2-Dichloroethene	ND	0.0050	1	U	Styrene	ND	0.0050	1	U
c-1,3-Dichloropropene	ND	0.0050	1	U	tert-Butylbenzene	0.018	0.0050	1	
1,3-Dichlorobenzene	ND	0.0050	1	U	Tetrachloroethene	ND	0.0050	1	U
1,3-Dichloropropane	ND	0.0050	1	U	Trichloroethene	ND	0.0050	1	U
t-1,3-Dichloropropene	ND	0.0050	1	U	Trichlorofluoromethane	ND	0.050	1	U
1,4-Dichlorobenzene	ND	0.0050	1	U	Vinyl Chloride	ND	0.0050	1	U

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	107	80-120		Dibromofluoromethane	98	63-141	
1,4-Bromofluorobenzene	111	60-132		1,2-Dichloroethane-d4	91	62-146	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	11/10/10
601 North McDowell Blvd.		Work Order No:	10-11-0826
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	mg/kg

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-750**	**N/A**	**Solid**	**GC/MS UU**	**11/11/10**	**11/12/10 01:08**	**101111L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1	U	2,2-Dichloropropane	ND	0.0050	1	U
Toluene	ND	0.0050	1	U	2-Chlorotoluene	ND	0.0050	1	U
Ethylbenzene	ND	0.0050	1	U	4-Chlorotoluene	ND	0.0050	1	U
Xylenes (total)	ND	0.0050	1	U	4-Methyl-2-Pentanone	ND	0.050	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	U	Acetone	ND	0.12	1	U
Tert-Butyl Alcohol (TBA)	ND	0.050	1	U	Bromobenzene	ND	0.0050	1	U
Diisopropyl Ether (DIPE)	ND	0.010	1	U	Bromochloromethane	ND	0.0050	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	U	Bromoform	ND	0.0050	1	U
Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	U	Bromomethane	ND	0.025	1	U
Ethanol	ND	0.25	1	U	Carbon Disulfide	ND	0.050	1	U
1,1,1,2-Tetrachloroethane	ND	0.0050	1	U	Carbon Tetrachloride	ND	0.0050	1	U
1,1,1-Trichloroethane	ND	0.0050	1	U	Chlorobenzene	ND	0.0050	1	U
1,1,2,2-Tetrachloroethane	ND	0.0050	1	U	Dibromochloromethane	ND	0.0050	1	U
1,1,2-Trichloroethane	ND	0.0050	1	U	Chloroethane	ND	0.0050	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	1	U	Chloroform	ND	0.0050	1	U
1,1-Dichloroethane	ND	0.0050	1	U	Chloromethane	ND	0.025	1	U
1,1-Dichloroethene	ND	0.0050	1	U	Dibromomethane	ND	0.0050	1	U
1,1-Dichloropropene	ND	0.0050	1	U	Bromodichloromethane	ND	0.0050	1	U
1,2,3-Trichlorobenzene	ND	0.010	1	U	Dichlorodifluoromethane	ND	0.0050	1	U
1,2,3-Trichloropropane	ND	0.0050	1	U	Hexachloro-1,3-Butadiene	ND	0.10	1	U
1,2,4-Trichlorobenzene	ND	0.0050	1	U	Isopropylbenzene	ND	0.0050	1	U
1,2,4-Trimethylbenzene	ND	0.0050	1	U	2-Butanone	ND	0.050	1	U
1,3,5-Trimethylbenzene	ND	0.0050	1	U	Methylene Chloride	ND	0.050	1	U
c-1,2-Dichloroethene	ND	0.0050	1	U	2-Hexanone	ND	0.050	1	U
1,2-Dibromo-3-Chloropropane	ND	0.010	1	U	Naphthalene	ND	0.050	1	U
1,2-Dibromoethane	ND	0.0050	1	U	n-Butylbenzene	ND	0.0050	1	U
1,2-Dichlorobenzene	ND	0.0050	1	U	n-Propylbenzene	ND	0.0050	1	U
1,2-Dichloroethane	ND	0.0050	1	U	p-Isopropyltoluene	ND	0.0050	1	U
1,2-Dichloropropane	ND	0.0050	1	U	sec-Butylbenzene	ND	0.0050	1	U
t-1,2-Dichloroethene	ND	0.0050	1	U	Styrene	ND	0.0050	1	U
c-1,3-Dichloropropene	ND	0.0050	1	U	tert-Butylbenzene	ND	0.0050	1	U
1,3-Dichlorobenzene	ND	0.0050	1	U	Tetrachloroethene	ND	0.0050	1	U
1,3-Dichloropropane	ND	0.0050	1	U	Trichloroethene	ND	0.0050	1	U
t-1,3-Dichloropropene	ND	0.0050	1	U	Trichlorofluoromethane	ND	0.050	1	U
1,4-Dichlorobenzene	ND	0.0050	1	U	Vinyl Chloride	ND	0.0050	1	U

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	97	80-120		Dibromofluoromethane	103	63-141	
1,2-Dichloroethane-d4	106	62-146		1,4-Bromofluorobenzene	96	60-132	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received:	11/10/10
601 North McDowell Blvd.	Work Order No:	10-11-0826
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	mg/kg

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-882-755**	**N/A**	**Solid**	**GC/MS UU**	**11/12/10**	**11/13/10 01:30**	**101112L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100	U	2,2-Dichloropropane	ND	0.50	100	U
Toluene	ND	0.50	100	U	2-Chlorotoluene	ND	0.50	100	U
Ethylbenzene	ND	0.50	100	U	4-Chlorotoluene	ND	0.50	100	U
Xylenes (total)	ND	0.50	100	U	4-Methyl-2-Pentanone	ND	5.0	100	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	U	Acetone	ND	12	100	U
Tert-Butyl Alcohol (TBA)	ND	5.0	100	U	Bromobenzene	ND	0.50	100	U
Diisopropyl Ether (DIPE)	ND	1.0	100	U	Bromochloromethane	ND	0.50	100	U
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	U	Bromoform	ND	0.50	100	U
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	U	Bromomethane	ND	2.5	100	U
Ethanol	ND	25	100	U	Carbon Disulfide	ND	5.0	100	U
1,1,1,2-Tetrachloroethane	ND	0.50	100	U	Carbon Tetrachloride	ND	0.50	100	U
1,1,1-Trichloroethane	ND	0.50	100	U	Chlorobenzene	ND	0.50	100	U
1,1,2,2-Tetrachloroethane	ND	0.50	100	U	Dibromochloromethane	ND	0.50	100	U
1,1,2-Trichloroethane	ND	0.50	100	U	Chloroethane	ND	0.50	100	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5.0	100	U	Chloroform	ND	0.50	100	U
1,1-Dichloroethane	ND	0.50	100	U	Chloromethane	ND	2.5	100	U
1,1-Dichloroethene	ND	0.50	100	U	Dibromomethane	ND	0.50	100	U
1,1-Dichloropropene	ND	0.50	100	U	Bromodichloromethane	ND	0.50	100	U
1,2,3-Trichlorobenzene	ND	1.0	100	U	Dichlorodifluoromethane	ND	0.50	100	U
1,2,3-Trichloropropane	ND	0.50	100	U	Hexachloro-1,3-Butadiene	ND	10	100	U
1,2,4-Trichlorobenzene	ND	0.50	100	U	Isopropylbenzene	ND	0.50	100	U
1,2,4-Trimethylbenzene	ND	0.50	100	U	2-Butanone	ND	5.0	100	U
1,3,5-Trimethylbenzene	ND	0.50	100	U	Methylene Chloride	ND	5.0	100	U
c-1,2-Dichloroethene	ND	0.50	100	U	2-Hexanone	ND	5.0	100	U
1,2-Dibromo-3-Chloropropane	ND	1.0	100	U	Naphthalene	ND	5.0	100	U
1,2-Dibromoethane	ND	0.50	100	U	n-Butylbenzene	ND	0.50	100	U
1,2-Dichlorobenzene	ND	0.50	100	U	n-Propylbenzene	ND	0.50	100	U
1,2-Dichloroethane	ND	0.50	100	U	p-Isopropyltoluene	ND	0.50	100	U
1,2-Dichloropropane	ND	0.50	100	U	sec-Butylbenzene	ND	0.50	100	U
t-1,2-Dichloroethene	ND	0.50	100	U	Styrene	ND	0.50	100	U
c-1,3-Dichloropropene	ND	0.50	100	U	tert-Butylbenzene	ND	0.50	100	U
1,3-Dichlorobenzene	ND	0.50	100	U	Tetrachloroethene	ND	0.50	100	U
1,3-Dichloropropane	ND	0.50	100	U	Trichloroethene	ND	0.50	100	U
t-1,3-Dichloropropene	ND	0.50	100	U	Trichlorofluoromethane	ND	5.0	100	U
1,4-Dichlorobenzene	ND	0.50	100	U	Vinyl Chloride	ND	0.50	100	U

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	91	80-120		Dibromofluoromethane	96	63-141	
1,4-Bromofluorobenzene	95	60-132		1,2-Dichloroethane-d4	98	62-146	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received:	11/10/10
601 North McDowell Blvd.	Work Order No:	10-11-0826
Petaluma, CA 94954-2312	Preparation:	EPA 3050B
	Method:	EPA 6010B

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
COMP(S-Profile-1-4)	**10-11-0826-5-A**	**11/08/10 10:20**	**Solid**	**ICP 5300**	**11/11/10**	**11/12/10 18:42**	**101111L07**

Parameter	Result	RL	DF	Qual	Units
Lead	6.93	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	**097-01-002-14,338**	**N/A**	**Solid**	**ICP 5300**	**11/11/10**	**11/15/10 16:22**	**101111L07**

Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.500	1	U	mg/kg

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received: 11/10/10
601 North McDowell Blvd.	Work Order No: 10-11-0826
Petaluma, CA 94954-2312	Preparation: EPA 3050B
	Method: EPA 6010B

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0873-6	**Solid**	**ICP 5300**	**11/11/10**	**11/12/10**	**101111S07**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

Environmental Resolutions, Inc.	Date Received	11/10/10
601 North McDowell Blvd.	Work Order No:	10-11-0826
Petaluma, CA 94954-2312	Preparation:	EPA 3050B
	Method:	EPA 6010B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
10-11-0873-6	**Solid**	**ICP 5300**	**11/11/10**	**11/15/10**	**101111S07**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received: 11/10/10
601 North McDowell Blvd.	Work Order No: 10-11-0826
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0093-14	**Solid**	**GC 47**	**11/11/10**	**11/13/10**	**101111S12**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	106	123	64-130	15	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received: 11/10/10
601 North McDowell Blvd.	Work Order No: 10-11-0826
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0093-14	**Solid**	**GC 47**	**11/11/10**	**11/13/10**	**101111S11**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	112	125	64-130	11	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received:	11/10/10
601 North McDowell Blvd.	Work Order No:	10-11-0826
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0655-3	**Solid**	**GC/MS UU**	**11/08/10**	**11/12/10**	**101111S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	80	83	61-127	3	0-20	
Toluene	55	55	63-123	0	0-20	3
Ethylbenzene	48	49	57-129	2	0-22	3
Methyl-t-Butyl Ether (MTBE)	96	101	57-123	5	0-21	
Tert-Butyl Alcohol (TBA)	99	114	30-168	14	0-34	
Diisopropyl Ether (DIPE)	93	96	57-129	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	87	91	55-127	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	80	83	58-124	4	0-20	
Ethanol	22	25	17-167	14	0-47	
1,1-Dichloroethene	99	106	47-143	7	0-25	
1,2-Dibromoethane	104	116	64-124	11	0-20	
1,2-Dichlorobenzene	46	42	35-131	9	0-25	
1,2-Dichloroethane	94	99	80-120	5	0-20	
Carbon Tetrachloride	16	20	51-135	19	0-29	3
Chlorobenzene	71	71	57-123	0	0-20	
Trichloroethene	70	75	44-158	6	0-20	
Vinyl Chloride	115	117	49-139	2	0-47	

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: 11/10/10
Work Order No: 10-11-0826
Preparation: EPA 5030C
Method: EPA 8260B

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0839-1	**Solid**	**GC/MS UU**	**11/10/10**	**11/13/10**	**101112S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	90	61-127	3	0-20	
Toluene	94	92	63-123	3	0-20	
Ethylbenzene	95	92	57-129	3	0-22	
Methyl-t-Butyl Ether (MTBE)	88	89	57-123	1	0-21	
Tert-Butyl Alcohol (TBA)	107	100	30-168	7	0-34	
Diisopropyl Ether (DIPE)	89	88	57-129	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	82	83	55-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	80	81	58-124	1	0-20	
Ethanol	29	29	17-167	1	0-47	
1,1-Dichloroethene	100	98	47-143	3	0-25	
1,2-Dibromoethane	100	96	64-124	4	0-20	
1,2-Dichlorobenzene	91	90	35-131	1	0-25	
1,2-Dichloroethane	101	98	80-120	3	0-20	
Carbon Tetrachloride	109	110	51-135	0	0-29	
Chlorobenzene	97	96	57-123	2	0-20	
Trichloroethene	100	96	44-158	4	0-20	
Vinyl Chloride	95	97	49-139	1	0-47	

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:	10-11-0826
Petaluma, CA 94954-2312	Preparation:	EPA 3050B
	Method:	EPA 6010B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-14,338	Solid	ICP 5300	11/11/10	11/15/10	101111L07

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	100	99	80-120	0	0-20	

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:	10-11-0826
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-254-1,734	**Solid**	**GC 47**	**11/11/10**	**11/13/10**	**101111B12S**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	112	112	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: 10-11-0826
Petaluma, CA 94954-2312	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-3,754	**Solid**	**GC 47**	**11/11/10**	**11/13/10**	**101111B11S**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	114	118	75-123	4	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:	10-11-0826
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-4,099	**Solid**	**GC 4**	**11/16/10**	**11/17/10**	**101116B04**

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

Environmental Resolutions, Inc.		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	10-11-0826
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-750	**Solid**	**GC/MS UU**	**11/11/10**	**11/11/10**	**101111L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	88	92	78-120	71-127	5	0-20	
Toluene	91	95	77-120	70-127	4	0-20	
Ethylbenzene	94	95	76-120	69-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	89	93	77-120	70-127	5	0-20	
Tert-Butyl Alcohol (TBA)	92	94	68-122	59-131	2	0-20	
Diisopropyl Ether (DIPE)	88	90	78-120	71-127	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	83	87	78-120	71-127	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	83	89	75-120	68-128	7	0-20	
Ethanol	96	93	56-140	42-154	3	0-20	
1,1-Dichloroethene	93	95	74-122	66-130	2	0-20	
1,2-Dibromoethane	97	101	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	96	99	75-120	68-128	3	0-20	
1,2-Dichloroethane	96	101	80-120	73-127	5	0-20	
Carbon Tetrachloride	104	107	49-139	34-154	3	0-20	
Chlorobenzene	97	100	79-120	72-127	3	0-20	
Trichloroethene	92	97	80-120	73-127	6	0-20	
Vinyl Chloride	90	94	68-122	59-131	5	0-20	

Total number of LCS compounds : 17
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

Environmental Resolutions, Inc.		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	10-11-0826
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-882-755	**Solid**	**GC/MS UU**	**11/12/10**	**11/12/10**	**101112L04**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	90	88	78-120	71-127	2	0-20	
Toluene	92	92	77-120	70-127	0	0-20	
Ethylbenzene	94	94	76-120	69-127	0	0-20	
Methyl-t-Butyl Ether (MTBE)	88	90	77-120	70-127	2	0-20	
Tert-Butyl Alcohol (TBA)	92	92	68-122	59-131	0	0-20	
Diisopropyl Ether (DIPE)	87	90	78-120	71-127	4	0-20	
Ethyl-t-Butyl Ether (ETBE)	83	84	78-120	71-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	82	82	75-120	68-128	0	0-20	
Ethanol	98	90	56-140	42-154	8	0-20	
1,1-Dichloroethene	97	98	74-122	66-130	1	0-20	
1,2-Dibromoethane	98	98	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	96	95	75-120	68-128	1	0-20	
1,2-Dichloroethane	97	96	80-120	73-127	2	0-20	
Carbon Tetrachloride	106	109	49-139	34-154	2	0-20	
Chlorobenzene	99	98	79-120	72-127	0	0-20	
Trichloroethene	96	94	80-120	73-127	2	0-20	
Vinyl Chloride	92	94	68-122	59-131	3	0-20	

Total number of LCS compounds : 17
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: 10-11-0826

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 or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
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.
ME	LCS recovery percentage is within LCS ME control limit range.
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.
U	Undetected at detection limit.
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.

Calscience Environmental Laboratories, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

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

0826

ExxonMobil

Consultant Name: Environmental Resolutions, Inc. | Account #: NA | PO#:
Consultant Address: 601 N. McDowell Boulevard | Invoice To: Jennifer Sedlachek
Consultant City/State/Zip: Petaluma, California, 94954 | Report To: Paula Sime
ExxonMobil Project Mgr: Jennifer Sedlachek | ERI Project #/Activity #: 02273503
Consultant Project Mgr: Paula Sime | ExxonMobil Site #: 79374 | Major Project (AFE #):
Consultant Telephone Number: 707-766-2000 | Fax No.: 707-789-0414 | Site Address: 990 San Pablo Avenue
Sampler Name (Print): Rebekah A Westrup | Site City, State, Zip: Albany, California 94706
Sampler Signature: [signature] | Oversight Agency: Alameda County Environmental Health Department

	Sample ID	Field Point Name/ Location ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify):	Analyze For: TPHd and TPHg by EPA 8015B	TPHmo by EPA 8015B	BTEX by EPA 8260B	7 Oxys by EPA 8260B	Total Lead by 6010 (Stockpile sample only)		HVOCS 8010 List byEPA 8260 (Stockpile sample only)		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1-4	S-Profile-(1-4)	Profile	11/8/10	10:20	4		X									X							X			X	X	X	X	X		X				X	

Comments/Special Instructions: composite 4 sleeves into single sample
Use silica gel cleanup on all TPHd analyses
7 oxy = MTBE, TBA, TAME, DIPE, ETBE, 1,2-DCA and EDB
GLOBAL ID # (global ID# - T0619716673)

PLEASE E-MAIL ALL PDF FILES TO
ERI-EIMLABS@eri-us.com
Norcallabs@eri-us.com

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

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

Relinquished by:		Date	Time	Received by:	Date	Time
[signature]		11/8/10	1700	[signature] CEL	11/9/10	1005
Relinquished by:		Date	Time	Received by (Lab personnel):	Date	Time
[signature]	GSO	11-9-10	1730	[signature]	11/10/10	1030

0826

CSO

< WebShip > > > > >

800-322-5555 www.gso.com

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

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

COD:
$0.00

Reference:
CURTIS & TOMPKINS, ERI, STANTEC, CONOCO PHILLIPS

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515326392

NPS

ORC

D

GARDEN GROVE

D92843A

86201472

Print Date : 11/09/10 15:30 PM

Package 1 of 1

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

LABEL INSTRUCTIONS:

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

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

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-11-0826

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ERI

DATE: 11/10/10

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

Temperature 2.4 °C + 0.5 °C (CF) = 2.9 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Initial: _____

CUSTODY SEALS INTACT:

☑ Cooler	☐ _____	☐ No (Not Intact)	☐ Not Present	☐ N/A	Initial: _____
☐ 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.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (5) ☐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:** ☐_____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** _____

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

Preservative: h: HCL n: HNO_3 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.

November 12, 2010

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

Subject: **Calscience Work Order No.: 10-10-2471**
Client Reference: ExxonMobil 79374 / 022735

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/30/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted 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:	10/30/10
601 North McDowell Blvd.	Work Order No:	10-10-2471
Petaluma, CA 94954-2312	Preparation:	EPA 3510C
	Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735 — Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-27.5-HP1A	**10-10-2471-1-G**	**10/28/10 12:00**	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10 14:27**	**101101B17**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	260	250	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	105	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-36-HP1A	**10-10-2471-2-G**	**10/28/10 13:10**	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10 14:42**	**101101B17**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-46.5-HP1A	**10-10-2471-3-G**	**10/28/10 13:55**	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10 14:56**	**101101B17**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	420	1.67	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	114	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-234-738**	**N/A**	**Aqueous**	**GC 49**	**11/01/10**	**11/04/10 13:12**	**101101B17**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	132	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	10/30/10
601 North McDowell Blvd.		Work Order No:	10-10-2471
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735 — Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-27.5-HP1A	**10-10-2471-1-G**	**10/28/10 12:00**	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10 14:27**	**101101B16**

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	330	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	105	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-36-HP1A	**10-10-2471-2-G**	**10/28/10 13:10**	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10 14:42**	**101101B16**

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	220	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-46.5-HP1A	**10-10-2471-3-G**	**10/28/10 13:55**	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10 14:56**	**101101B16**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	83	1.67	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	114	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-330-1,704**	**N/A**	**Aqueous**	**GC 49**	**11/01/10**	**11/04/10 13:12**	**101101B16**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	133	68-140	

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: 10/30/10
Work Order No: 10-10-2471
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-27.5-HP1A	**10-10-2471-1-E**	**10/28/10 12:00**	**Aqueous**	**GC 5**	**11/03/10**	**11/03/10 20:24**	**101103B02**

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	63	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	85	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-36-HP1A	**10-10-2471-2-D**	**10/28/10 13:10**	**Aqueous**	**GC 5**	**11/03/10**	**11/03/10 20:57**	**101103B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	84	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-46.5-HP1A	**10-10-2471-3-D**	**10/28/10 13:55**	**Aqueous**	**GC 5**	**11/03/10**	**11/03/10 21:29**	**101103B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	85	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-5,459**	**N/A**	**Aqueous**	**GC 5**	**11/03/10**	**11/03/10 11:11**	**101103B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	83	38-134	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	10/30/10
601 North McDowell Blvd.		Work Order No:	10-10-2471
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: ExxonMobil 79374 / 022735			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-27.5-HP1A	**10-10-2471-1-A**	**10/28/10 12:00**	**Aqueous**	**GC/MS L**	**11/01/10**	**11/01/10 18:32**	**101101L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	99	80-120		1,2-Dichloroethane-d4	97	80-128	
Dibromofluoromethane	106	80-127		1,4-Bromofluorobenzene	89	68-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-36-HP1A	**10-10-2471-2-A**	**10/28/10 13:10**	**Aqueous**	**GC/MS L**	**11/01/10**	**11/01/10 19:02**	**101101L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	68-120		Dibromofluoromethane	112	80-127	
Toluene-d8	98	80-120		1,2-Dichloroethane-d4	97	80-128	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-46.5-HP1A	**10-10-2471-3-A**	**10/28/10 13:55**	**Aqueous**	**GC/MS L**	**11/01/10**	**11/01/10 19:31**	**101101L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	100	80-120		1,2-Dichloroethane-d4	95	80-128	
1,4-Bromofluorobenzene	85	68-120		Dibromofluoromethane	107	80-127	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received:	10/30/10
601 North McDowell Blvd.	Work Order No:	10-10-2471
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-460**	**N/A**	**Aqueous**	**GC/MS L**	**11/01/10**	**11/01/10 12:38**	**101101L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	98	80-120		Dibromofluoromethane	107	80-127	
1,4-Bromofluorobenzene	84	68-120		1,2-Dichloroethane-d4	93	80-128	

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: 10/30/10
Work Order No: 10-10-2471
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-10-2277-1	**Aqueous**	**GC 5**	**11/03/10**	**11/03/10**	**101103S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	87	88	68-122	2	0-18	

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: 10/30/10
Work Order No: 10-10-2471
Preparation: EPA 5030C
Method: EPA 8260B

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-10-2448-1	**Aqueous**	**GC/MS L**	**11/01/10**	**11/01/10**	**101101S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	101	76-124	3	0-20	
Toluene	104	106	80-120	2	0-20	
Ethylbenzene	102	102	78-126	0	0-20	
Methyl-t-Butyl Ether (MTBE)	77	82	67-121	7	0-49	
Tert-Butyl Alcohol (TBA)	88	93	36-162	5	0-30	
Diisopropyl Ether (DIPE)	72	74	60-138	3	0-45	
Ethyl-t-Butyl Ether (ETBE)	73	76	69-123	5	0-30	
Tert-Amyl-Methyl Ether (TAME)	77	80	65-120	3	0-20	
Ethanol	111	109	30-180	2	0-72	
1,2-Dibromoethane	95	101	80-120	6	0-20	
1,2-Dichloroethane	90	94	80-120	4	0-20	

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:	10-10-2471
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-234-738	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10**	**101101B17**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	114	115	75-117	1	0-13	

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: 10-10-2471
Petaluma, CA 94954-2312	Preparation: EPA 3510C
	Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-330-1,704	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10**	**101101B16**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	105	106	75-117	1	0-13	

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:	10-10-2471
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-5,459	**Aqueous**	**GC 5**	**11/03/10**	**11/03/10**	**101103B02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	90	109	78-120	19	0-10	X

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: 10-10-2471
Preparation: EPA 5030C
Method: EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-460	**Aqueous**	**GC/MS L**	**11/01/10**	**11/01/10**	**101101L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	97	93	80-120	73-127	4	0-20	
Toluene	106	101	80-120	73-127	5	0-20	
Ethylbenzene	102	97	80-120	73-127	5	0-20	
Methyl-t-Butyl Ether (MTBE)	80	81	69-123	60-132	1	0-20	
Tert-Butyl Alcohol (TBA)	93	96	63-123	53-133	3	0-20	
Diisopropyl Ether (DIPE)	72	71	59-137	46-150	1	0-37	
Ethyl-t-Butyl Ether (ETBE)	74	75	69-123	60-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	82	79	70-120	62-128	3	0-20	
Ethanol	123	89	28-160	6-182	32	0-57	
1,2-Dibromoethane	101	100	79-121	72-128	0	0-20	
1,2-Dichloroethane	93	91	80-120	73-127	2	0-20	

Total number of LCS compounds : 11
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: 10-10-2471

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 or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
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.
ME	LCS recovery percentage is within LCS ME control limit range.
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.
U	Undetected at detection limit.
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.

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

2471

ExxonMobil

Consultant Name: Environmental Resolutions, Inc. | Account #: NA | PO#:
Consultant Address: 601 N. McDowell Boulevard | Invoice To: Jennifer Sedlachek
Consultant City/State/Zip: Petaluma, California, 94954 | Report To: Paula Sime
ExxonMobil Project Mgr: Jennifer Sedlachek | ERI Project #/Activity #: 02273503
Consultant Project Mgr: Paula Sime | ExxonMobil Site #: 79374 | Major Project (AFE #):
Consultant Telephone Number: 707-766-2000 | Fax No.: 707-789-0414 | Site Address: 990 San Pablo Avenue
Sampler Name (Print): Rebekah A Westrup | Site City, State, Zip: Albany, California 94706
Sampler Signature: | Oversight Agency: Alameda County Environmental Health Department

	Sample ID	Field Point Name/ Location ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (VOAs)	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None (Ambers)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify):	Analyze For: TPHd and TPHg by EPA 8015B	TPHmo by EPA 8015B	BTEX by EPA 8260B	7 Oxys by EPA 8260B					RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	W-27.5-HP1A	HP1A	10/28/10	12:00	8	X					X							X	X							X	X	X	X							X	
2	W-36 - HP1A	HP1A	10/28/10	13:10	8	X					X							X	X							X	X	X	X							X	
3	W-46.5- HP1A	HP1A	10/28/10	13:55	8	X					Y							X	X							X	X	X	X							X	

Comments/Special instructions:
Use silica gel cleanup on all TPHd analyses
7 oxy = MTBE, TBA, TAME, DIPE, ETBE, 1,2-DCA and EDB
GLOBAL ID # (global ID# - T0619716673)

PLEASE E-MAIL ALL PDF FILES TO
ERI-EIMLABS@eri-us.com
Norcallabs@eri-us.com

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

Relinquished by:		Date	Time	Received by:	Date	Time
		10/29/10	920		10/29/10	0920
Relinquished by:		Date	Time	Received by (Lab personnel):	Date	Time
to GSD		10-29-10	1730		10/30/10	0955

2471

GSO

WebShip >>>>>

800-322-5555 www.gso.com

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

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

COD:
$0.00

Reference:
ERI

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515260055

SDS

ORC

D

GARDEN GROVE

D92843A

85930500

Print Date : 10/29/10 16:06 PM

Package 1 of 1

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

LABEL INSTRUCTIONS:

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

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.

STEP 2 - Fold this page in half.

STEP 3 - Securely attach this label to your package, do not cover the barcode.

STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-10-2471/

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ERI

DATE: 10/30/10

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

Temperature 1.0 °C + 0.5 °C (CF) = 1.5 °C ☒ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Initial: RS

CUSTODY SEALS INTACT:

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

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

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

CONTAINER TYPE:

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

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

☐500AGB ☑500AGJ (2) ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

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

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

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

Preservative: **h:** HCL **n:** HNO_3 **na₂:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:** JL

Calscience Environmental Laboratories, Inc.

November 12, 2010

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

Subject: **Calscience Work Order No.: 10-10-2447**
Client Reference: ExxonMobil 79374 / 022735

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/30/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted 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:	10/30/10
601 North McDowell Blvd.		Work Order No:	10-10-2447
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735 — Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-27.5-HP2A	**10-10-2447-1-G**	**10/29/10 10:45**	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10 15:55**	**101101B17**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-52-HP2A	**10-10-2447-2-G**	**10/29/10 12:38**	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10 16:10**	**101101B17**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	90	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-234-738**	**N/A**	**Aqueous**	**GC 49**	**11/01/10**	**11/04/10 13:12**	**101101B17**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	132	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	10/30/10
601 North McDowell Blvd.		Work Order No:	10-10-2447
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735 — Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-27.5-HP2A	**10-10-2447-1-G**	**10/29/10 10:45**	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10 15:55**	**101101B16**

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	100	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-52-HP2A	**10-10-2447-2-G**	**10/29/10 12:38**	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10 16:10**	**101101B16**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	90	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-330-1,704**	**N/A**	**Aqueous**	**GC 49**	**11/01/10**	**11/04/10 13:12**	**101101B16**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	133	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	10/30/10
601 North McDowell Blvd.		Work Order No:	10-10-2447
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735 — Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-27.5-HP2A	**10-10-2447-1-E**	**10/29/10 10:45**	**Aqueous**	**GC 25**	**11/03/10**	**11/04/10 05:36**	**101103B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	340	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	84	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-52-HP2A	**10-10-2447-2-E**	**10/29/10 12:38**	**Aqueous**	**GC 25**	**11/03/10**	**11/04/10 06:09**	**101103B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	84	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-5,461**	**N/A**	**Aqueous**	**GC 25**	**11/04/10**	**11/03/10 16:12**	**101103B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	82	38-134	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	10/30/10
601 North McDowell Blvd.		Work Order No:	10-10-2447
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: ExxonMobil 79374 / 022735 — Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-27.5-HP2A	**10-10-2447-1-A**	**10/29/10 10:45**	**Aqueous**	**GC/MS L**	**11/01/10**	**11/01/10 17:33**	**101101L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1.7	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	2.1	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	20	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	46	0.50	1		1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	68-120		Toluene-d8	97	80-120	
Dibromofluoromethane	107	80-127		1,2-Dichloroethane-d4	96	80-128	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-52-HP2A	**10-10-2447-2-A**	**10/29/10 12:38**	**Aqueous**	**GC/MS L**	**11/01/10**	**11/01/10 18:03**	**101101L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	98	80-128		1,4-Bromofluorobenzene	91	68-120	
Dibromofluoromethane	106	80-127		Toluene-d8	98	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-460**	**N/A**	**Aqueous**	**GC/MS L**	**11/01/10**	**11/01/10 12:38**	**101101L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	93	80-128		1,4-Bromofluorobenzene	84	68-120	
Dibromofluoromethane	107	80-127		Toluene-d8	98	80-120	

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: 10/30/10
Work Order No: 10-10-2447
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0112-3	**Aqueous**	**GC 25**	**11/04/10**	**11/03/10**	**101103S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	90	94	68-122	3	0-18	

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: 10/30/10
Work Order No: 10-10-2447
Preparation: EPA 5030C
Method: EPA 8260B

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-10-2448-1	**Aqueous**	**GC/MS L**	**11/01/10**	**11/01/10**	**101101S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	101	76-124	3	0-20	
Toluene	104	106	80-120	2	0-20	
Ethylbenzene	102	102	78-126	0	0-20	
Methyl-t-Butyl Ether (MTBE)	77	82	67-121	7	0-49	
Tert-Butyl Alcohol (TBA)	88	93	36-162	5	0-30	
Diisopropyl Ether (DIPE)	72	74	60-138	3	0-45	
Ethyl-t-Butyl Ether (ETBE)	73	76	69-123	5	0-30	
Tert-Amyl-Methyl Ether (TAME)	77	80	65-120	3	0-20	
Ethanol	111	109	30-180	2	0-72	
1,2-Dibromoethane	95	101	80-120	6	0-20	
1,2-Dichloroethane	90	94	80-120	4	0-20	

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:	10-10-2447
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-234-738	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10**	**101101B17**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	114	115	75-117	1	0-13	

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:	10-10-2447
Petaluma, CA 94954-2312	Preparation:	EPA 3510C
	Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-330-1,704	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10**	**101101B16**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	105	106	75-117	1	0-13	

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:	10-10-2447
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-5,461	**Aqueous**	**GC 25**	**11/04/10**	**11/03/10**	**101103B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	102	102	78-120	0	0-10	

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:	10-10-2447
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-460	**Aqueous**	**GC/MS L**	**11/01/10**	**11/01/10**	**101101L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	97	93	80-120	73-127	4	0-20	
Toluene	106	101	80-120	73-127	5	0-20	
Ethylbenzene	102	97	80-120	73-127	5	0-20	
Methyl-t-Butyl Ether (MTBE)	80	81	69-123	60-132	1	0-20	
Tert-Butyl Alcohol (TBA)	93	96	63-123	53-133	3	0-20	
Diisopropyl Ether (DIPE)	72	71	59-137	46-150	1	0-37	
Ethyl-t-Butyl Ether (ETBE)	74	75	69-123	60-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	82	79	70-120	62-128	3	0-20	
Ethanol	123	89	28-160	6-182	32	0-57	
1,2-Dibromoethane	101	100	79-121	72-128	0	0-20	
1,2-Dichloroethane	93	91	80-120	73-127	2	0-20	

Total number of LCS compounds : 11
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: 10-10-2447

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 or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
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.
ME	LCS recovery percentage is within LCS ME control limit range.
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.
U	Undetected at detection limit.
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.

Calscience Environmental Laboratories, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

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

ExxonMobil

2447

Consultant Name: Environmental Resolutions, Inc. **Account #:** NA **PO#:**
Consultant Address: 601 N. McDowell Boulevard **Invoice To:** Jennifer Sedlachek
Consultant City/State/Zip: Petaluma, California, 94954 **Report To:** Paula Sime
ExxonMobil Project Mgr: Jennifer Sedlachek **ERI Project #/Activity #:** 02273503
Consultant Project Mgr: Paula Sime **ExxonMobil Site #:** 79374 **Major Project (AFE #):**
Consultant Telephone Number: 707-766-2000 **Fax No.:** 707-789-0414 **Site Address:** 990 San Pablo Avenue
Sampler Name (Print): Rebekah A Westrup **Site City, State, Zip:** Albany, California 94706
Sampler Signature: Rebekah A Westrup **Oversight Agency:** Alameda County Environmental Health Department

	Sample ID	Field Point Name/ Location ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (VOAs)	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None (~~Amber~~) Ambers	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify):	Analyze For: TPHd and TPHg by EPA 8015B	TPHmo by EPA 8015B	BTEX by EPA 8260B	7 Oxys by EPA 8260B				RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	W-27.5-HP2A	HP2A	10/29/10	10:45	8	X					X							X	X							X	X	X	X						X	
2	W-52-HP2A	HP2A	10/29/10	12:38	8	X					X							X	X							X	X	X	X						X	

Comments/Special Instructions:
Use silica gel cleanup on all TPHd analyses
7 oxy = MTBE, TBA, TAME, DIPE, ETBE, 1,2-DCA and EDB
GLOBAL ID # (global ID# - T0619716673)

PLEASE E-MAIL ALL PDF FILES TO
ERI-EIMLABS@eri-us.com
Norcallabs@eri-us.com

Relinquished by:		Date	Time	Received by:		Date	Time
Rebekah A Westrup		10/29/10	14:28	CEL		10-29-10	1408
Relinquished by:		Date	Time	Received by (Lab personnel):		Date	Time
FedEx to GSO		10-29-10	1730			10/30/10	9:55

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

2447

GSO

‹WebShip› › › › ›

800-322-5555 www.gso.com

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

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

COD:
$0.00

Reference:
ETIC

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515260131

SDS

ORC

D

GARDEN GROVE

D92843A

85930626

Print Date : 10/29/10 16:09 PM

Package 1 of 1

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-10-2447

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ERI

DATE: 10/30/10

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

Temperature 1.6 °C + 0.5 °C (CF) = 2.1 °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 Initial: _____

CUSTODY SEALS INTACT:

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

☐ 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.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

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

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

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

Preservative: h: HCL n: HNO_3 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.

November 11, 2010

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

Subject: **Calscience Work Order No.: 10-10-2354**
Client Reference: ExxonMobil 79374 / 022735

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/29/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted 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: 10/29/10
Work Order No: 10-10-2354
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-60.5-HP2B	**10-10-2354-1-G**	**10/27/10 13:30**	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10 15:11**	**101101B17**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-59-HP1B	**10-10-2354-2-G**	**10/28/10 09:20**	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10 15:26**	**101101B17**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-234-738**	**N/A**	**Aqueous**	**GC 49**	**11/01/10**	**11/04/10 13:12**	**101101B17**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	132	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	10/29/10
601 North McDowell Blvd.		Work Order No:	10-10-2354
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735 — Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-60.5-HP2B	**10-10-2354-1-G**	**10/27/10 13:30**	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10 15:11**	**101101B16**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	62	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-59-HP1B	**10-10-2354-2-G**	**10/28/10 09:20**	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10 15:26**	**101101B16**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	130	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-330-1,704**	**N/A**	**Aqueous**	**GC 49**	**11/01/10**	**11/04/10 13:12**	**101101B16**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	133	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	10/29/10
601 North McDowell Blvd.		Work Order No:	10-10-2354
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735 — Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-60.5-HP2B	**10-10-2354-1-E**	**10/27/10 13:30**	**Aqueous**	**GC 42**	**11/03/10**	**11/03/10 11:44**	**101103B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	82	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-59-HP1B	**10-10-2354-2-E**	**10/28/10 09:20**	**Aqueous**	**GC 42**	**11/03/10**	**11/03/10 12:57**	**101103B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	86	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-5,455**	**N/A**	**Aqueous**	**GC 42**	**11/03/10**	**11/03/10 02:37**	**101103B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	80	38-134	

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: 10/29/10
Work Order No: 10-10-2354
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-60.5-HP2B	**10-10-2354-1-A**	**10/27/10 13:30**	**Aqueous**	**GC/MS BB**	**10/30/10**	**10/30/10 19:54**	**101030L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	68-120		Toluene-d8	100	80-120	
Dibromofluoromethane	103	80-127		1,2-Dichloroethane-d4	99	80-128	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-59-HP1B	**10-10-2354-2-A**	**10/28/10 09:20**	**Aqueous**	**GC/MS BB**	**10/30/10**	**10/30/10 20:23**	**101030L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	103	80-128		1,4-Bromofluorobenzene	100	68-120	
Dibromofluoromethane	104	80-127		Toluene-d8	99	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-461**	**N/A**	**Aqueous**	**GC/MS BB**	**10/30/10**	**10/30/10 11:35**	**101030L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	98	80-128		1,4-Bromofluorobenzene	100	68-120	
Dibromofluoromethane	93	80-127		Toluene-d8	100	80-120	

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: 10/29/10
Work Order No: 10-10-2354
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0061-1	**Aqueous**	**GC 42**	**11/03/10**	**11/03/10**	**101103S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	111	107	68-122	4	0-18	

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: 10/29/10
Work Order No: 10-10-2354
Preparation: EPA 5030C
Method: EPA 8260B

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-10-2229-1	**Aqueous**	**GC/MS BB**	**10/30/10**	**10/30/10**	**101030S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	109	76-124	2	0-20	
Toluene	106	108	80-120	2	0-20	
Ethylbenzene	106	108	78-126	2	0-20	
Methyl-t-Butyl Ether (MTBE)	114	119	67-121	4	0-49	
Tert-Butyl Alcohol (TBA)	113	118	36-162	5	0-30	
Diisopropyl Ether (DIPE)	107	112	60-138	4	0-45	
Ethyl-t-Butyl Ether (ETBE)	111	116	69-123	4	0-30	
Tert-Amyl-Methyl Ether (TAME)	114	118	65-120	3	0-20	
Ethanol	101	103	30-180	2	0-72	
1,2-Dibromoethane	114	118	80-120	3	0-20	
1,2-Dichloroethane	111	114	80-120	3	0-20	

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:	10-10-2354
Petaluma, CA 94954-2312	Preparation:	EPA 3510C
	Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-234-738	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10**	**101101B17**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	114	115	75-117	1	0-13	

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: 10-10-2354
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-330-1,704	**Aqueous**	**GC 49**	**11/01/10**	**11/03/10**	**101101B16**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	105	106	75-117	1	0-13	

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: 10-10-2354
Petaluma, CA 94954-2312	Preparation: EPA 5030C
	Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-5,455	**Aqueous**	**GC 42**	**11/03/10**	**11/03/10**	**101103B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	120	116	78-120	3	0-10	

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: 10-10-2354
Preparation: EPA 5030C
Method: EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-461	**Aqueous**	**GC/MS BB**	**10/30/10**	**10/30/10**	**101030L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	101	103	80-120	73-127	2	0-20	
Toluene	100	103	80-120	73-127	2	0-20	
Ethylbenzene	102	104	80-120	73-127	2	0-20	
Methyl-t-Butyl Ether (MTBE)	93	99	69-123	60-132	6	0-20	
Tert-Butyl Alcohol (TBA)	113	112	63-123	53-133	1	0-20	
Diisopropyl Ether (DIPE)	101	102	59-137	46-150	1	0-37	
Ethyl-t-Butyl Ether (ETBE)	99	101	69-123	60-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	98	101	70-120	62-128	3	0-20	
Ethanol	114	102	28-160	6-182	11	0-57	
1,2-Dibromoethane	99	101	79-121	72-128	2	0-20	
1,2-Dichloroethane	100	102	80-120	73-127	2	0-20	

Total number of LCS compounds : 11
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: 10-10-2354

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 or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
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.
ME	LCS recovery percentage is within LCS ME control limit range.
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.
U	Undetected at detection limit.
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.

Calscience Environmental Laboratories, Inc.

7440 Lincoln Way
Garden Grove, CA 92841
Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil

2354

Consultant Name: Environmental Resolutions, Inc. **Account #:** NA **PO#:**
Consultant Address: 601 N. McDowell Boulevard **Invoice To:** Jennifer Sedlachek
Consultant City/State/Zip: Petaluma, California, 94954 **Report To:** Paula Sime
ExxonMobil Project Mgr: Jennifer Sedlachek **ERI Project #/Activity #:** 02273503
Consultant Project Mgr: Paula Sime **ExxonMobil Site #:** 79374 **Major Project (AFE #):**
Consultant Telephone Number: 707-766-2000 **Fax No.:** 707-789-0414 **Site Address:** 990 San Pablo Avenue
Sampler Name (Print): Rebekah A Westrup **Site City, State, Zip:** Albany, California 94706
Sampler Signature: **Oversight Agency:** Alameda County Environmental Health Department

	Sample ID	Field Point Name/ Location ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (VOAs)	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None (Ambers) AmBERS	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify):	Analyze For: TPHd and TPHg by EPA 8015B	TPHmo by EPA 8015B	BTEX by EPA 8260B	7 Oxys by EPA 8260B				RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	W-60.5-HP2B	HP2B	10/27/10	13:30	8	X					X							X	X							X	X	X	X						X	
2	W-59-HP1B	HP1B	10/27/10	9:20	8	X					X							X	X							X	X	X	X						X	

Comments/Special Instructions:
Use silica gel cleanup on all TPHd analyses
7 oxy = MTBE, TBA, TAME, DIPE, ETBE, 1,2-DCA and EDB
GLOBAL ID # (global ID# - T0619716673)

PLEASE E-MAIL ALL PDF FILES TO
ERI-EIMLABS@eri-us.com
Norcallabs@eri-us.com

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

Relinquished by:		Date	Time	Received by:	Date	Time
		10/28/10	10:40	Tom Malby CEL	10/28/10	1040
Relinquished by:		Date	Time	Received by (Lab personnel):	Date	Time
to GSO		10-28-10	1730	GSO	10/29/10	10:30

2354

GSO

< WebShip > > > > >

800-322-5555 www.gso.com

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

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

COD:
$0.00

Reference:
PREMIER ENV, KOCH CARBON, ETIC, ERI, CONOCO, PARS

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515251025

NPS

ORC

D

GARDEN GROVE

D92843A

85890548

Print Date : 10/28/10 16:06 PM

Package 1 of 1

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

LABEL INSTRUCTIONS:

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

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

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-10-[2][3][4][Y]

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ERI DATE: 10/29/10

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

Temperature 1.2 °C + 0.5 °C (CF) = 1.7 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Initial: PS

CUSTODY SEALS INTACT:

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

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

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

CONTAINER TYPE:

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

Water: ☐VOA ☑6 VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☑2 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:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** PS

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

Preservative: **h:** HCL **n:** HNO_3 **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.

January 05, 2011

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

Subject: **Calscience Work Order No.: 10-12-1645**
Client Reference: ExxonMobil 79374 / 022735

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/18/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted 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:	12/18/10
601 North McDowell Blvd.		Work Order No:	10-12-1645
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-9-MW1	**10-12-1645-2-H**	**12/16/10 11:30**	**Aqueous**	**GC 46**	**12/22/10**	**12/23/10 03:58**	**101222B08**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1	U	ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	117	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-10-MW2	**10-12-1645-3-H**	**12/16/10 11:50**	**Aqueous**	**GC 46**	**12/22/10**	**12/23/10 04:13**	**101222B08**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1	U	ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	134	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW3	**10-12-1645-4-H**	**12/16/10 12:10**	**Aqueous**	**GC 46**	**12/22/10**	**12/23/10 04:29**	**101222B08**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1	U	ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	98	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW4	**10-12-1645-5-H**	**12/16/10 12:35**	**Aqueous**	**GC 46**	**12/22/10**	**12/23/10 04:44**	**101222B08**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1	U	ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	115	68-140			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	12/18/10
601 North McDowell Blvd.		Work Order No:	10-12-1645
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-8-MW5	**10-12-1645-6-H**	**12/16/10 12:50**	**Aqueous**	**GC 46**	**12/22/10**	**12/23/10 04:59**	**101222B08**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-10-MW6	**10-12-1645-7-H**	**12/16/10 13:10**	**Aqueous**	**GC 46**	**12/22/10**	**12/23/10 05:15**	**101222B08**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	110	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-234-772**	**N/A**	**Aqueous**	**GC 46**	**12/22/10**	**12/23/10 02:41**	**101222B08**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	103	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	12/18/10
601 North McDowell Blvd.		Work Order No:	10-12-1645
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-9-MW1	**10-12-1645-2-H**	**12/16/10 11:30**	**Aqueous**	**GC 46**	**12/21/10**	**12/23/10 03:58**	**101221B07**

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	71	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	117	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-10-MW2	**10-12-1645-3-H**	**12/16/10 11:50**	**Aqueous**	**GC 46**	**12/21/10**	**12/23/10 04:13**	**101221B07**

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	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	135	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW3	**10-12-1645-4-H**	**12/16/10 12:10**	**Aqueous**	**GC 46**	**12/21/10**	**12/23/10 04:29**	**101221B07**

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	2900	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	12/18/10
601 North McDowell Blvd.		Work Order No:	10-12-1645
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW4	**10-12-1645-5-H**	**12/16/10 12:35**	**Aqueous**	**GC 46**	**12/21/10**	**12/23/10 04:44**	**101221B07**

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	2000	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-8-MW5	**10-12-1645-6-H**	**12/16/10 12:50**	**Aqueous**	**GC 46**	**12/21/10**	**12/23/10 04:59**	**101221B07**

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	1100	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-10-MW6	**10-12-1645-7-H**	**12/16/10 13:10**	**Aqueous**	**GC 46**	**12/21/10**	**12/23/10 05:15**	**101221B07**

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	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	110	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received:	12/18/10
601 North McDowell Blvd.	Work Order No:	10-12-1645
Petaluma, CA 94954-2312	Preparation:	EPA 3510C
	Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-330-1,753**	**N/A**	**Aqueous**	**GC 46**	**12/21/10**	**12/23/10 02:41**	**101221B07**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	103	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	12/18/10
601 North McDowell Blvd.		Work Order No:	10-12-1645
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-9-MW1	**10-12-1645-2-E**	**12/16/10 11:30**	**Aqueous**	**GC 29**	**12/20/10**	**12/21/10 06:49**	**101220B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	54	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	82	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-10-MW2	**10-12-1645-3-E**	**12/16/10 11:50**	**Aqueous**	**GC 29**	**12/20/10**	**12/21/10 07:24**	**101220B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	83	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW3	**10-12-1645-4-E**	**12/16/10 12:10**	**Aqueous**	**GC 29**	**12/20/10**	**12/21/10 07:59**	**101220B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	19000	500	10		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW4	**10-12-1645-5-E**	**12/16/10 12:35**	**Aqueous**	**GC 29**	**12/20/10**	**12/21/10 08:34**	**101220B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	9900	250	5		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	38-134	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	12/18/10
601 North McDowell Blvd.		Work Order No:	10-12-1645
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-8-MW5	**10-12-1645-6-E**	**12/16/10 12:50**	**Aqueous**	**GC 29**	**12/20/10**	**12/21/10 09:09**	**101220B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	6200	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	122	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-10-MW6	**10-12-1645-7-E**	**12/16/10 13:10**	**Aqueous**	**GC 29**	**12/20/10**	**12/21/10 09:44**	**101220B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1700	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	117	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-5,661**	**N/A**	**Aqueous**	**GC 29**	**12/20/10**	**12/21/10 03:19**	**101220B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	83	38-134	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received:	12/18/10
601 North McDowell Blvd.	Work Order No:	10-12-1645
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-9-MW1	**10-12-1645-2-A**	**12/16/10 11:30**	**Aqueous**	**GC/MS BB**	**12/21/10**	**12/21/10 14:26**	**101221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1.4	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	0.65	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	0.58	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	1.6	0.50	1		1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	80-127		1,2-Dichloroethane-d4	94	80-128	
Toluene-d8	105	80-120		1,4-Bromofluorobenzene	101	68-120	

W-10-MW2	10-12-1645-3-A	12/16/10 11:50	Aqueous	GC/MS BB	12/21/10	12/21/10 17:08	101221L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	80-127		1,4-Bromofluorobenzene	99	68-120	
1,2-Dichloroethane-d4	114	80-128		Toluene-d8	96	80-120	

W-12-MW3	10-12-1645-4-C	12/16/10 12:10	Aqueous	GC/MS BB	12/23/10	12/23/10 18:46	101223L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	350	12	25		Diisopropyl Ether (DIPE)	ND	12	25	U
Toluene	130	12	25		Ethyl-t-Butyl Ether (ETBE)	ND	12	25	U
Ethylbenzene	940	12	25		Tert-Amyl-Methyl Ether (TAME)	ND	12	25	U
Xylenes (total)	290	12	25		1,2-Dibromoethane	ND	12	25	U
Methyl-t-Butyl Ether (MTBE)	ND	12	25	U	1,2-Dichloroethane	ND	12	25	U
Tert-Butyl Alcohol (TBA)	ND	120	25	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	80-127		1,4-Bromofluorobenzene	102	68-120	
1,2-Dichloroethane-d4	102	80-128		Toluene-d8	102	80-120	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received:	12/18/10
601 North McDowell Blvd.	Work Order No:	10-12-1645
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW4	**10-12-1645-5-A**	**12/16/10 12:35**	**Aqueous**	**GC/MS BB**	**12/21/10**	**12/21/10 18:04**	**101221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	440	25	50		Diisopropyl Ether (DIPE)	ND	5.0	10	U
Toluene	40	5.0	10		Ethyl-t-Butyl Ether (ETBE)	ND	5.0	10	U
Ethylbenzene	170	5.0	10		Tert-Amyl-Methyl Ether (TAME)	ND	5.0	10	U
Xylenes (total)	380	5.0	10		1,2-Dibromoethane	ND	5.0	10	U
Methyl-t-Butyl Ether (MTBE)	ND	5.0	10	U	1,2-Dichloroethane	ND	5.0	10	U
Tert-Butyl Alcohol (TBA)	ND	50	10	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	98	80-120		Dibromofluoromethane	102	80-127	
1,4-Bromofluorobenzene	103	68-120		1,2-Dichloroethane-d4	102	80-128	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-8-MW5	**10-12-1645-6-C**	**12/16/10 12:50**	**Aqueous**	**GC/MS BB**	**12/23/10**	**12/23/10 19:14**	**101223L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	150	2.5	5		Diisopropyl Ether (DIPE)	ND	2.5	5	U
Toluene	96	2.5	5		Ethyl-t-Butyl Ether (ETBE)	ND	2.5	5	U
Ethylbenzene	270	10	20		Tert-Amyl-Methyl Ether (TAME)	ND	2.5	5	U
Xylenes (total)	980	10	20		1,2-Dibromoethane	ND	2.5	5	U
Methyl-t-Butyl Ether (MTBE)	ND	2.5	5	U	1,2-Dichloroethane	ND	2.5	5	U
Tert-Butyl Alcohol (TBA)	ND	25	5	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	101	80-120		Dibromofluoromethane	105	80-127	
1,4-Bromofluorobenzene	102	68-120		1,2-Dichloroethane-d4	106	80-128	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-10-MW6	**10-12-1645-7-A**	**12/16/10 13:10**	**Aqueous**	**GC/MS BB**	**12/21/10**	**12/21/10 19:00**	**101221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.8	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	1.2	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	61	2.0	4		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	46	0.50	1		1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	101	80-120		Dibromofluoromethane	97	80-127	
1,4-Bromofluorobenzene	117	68-120		1,2-Dichloroethane-d4	89	80-128	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received:	12/18/10
601 North McDowell Blvd.	Work Order No:	10-12-1645
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-499**	**N/A**	**Aqueous**	**GC/MS BB**	**12/21/10**	**12/21/10 13:58**	**101221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	100	80-120		Dibromofluoromethane	104	80-127	
1,4-Bromofluorobenzene	101	68-120		1,2-Dichloroethane-d4	106	80-128	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-500**	**N/A**	**Aqueous**	**GC/MS BB**	**12/22/10**	**12/22/10 14:00**	**101222L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	99	80-120		Dibromofluoromethane	102	80-127	
1,2-Dichloroethane-d4	100	80-128		1,4-Bromofluorobenzene	102	68-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-501**	**N/A**	**Aqueous**	**GC/MS BB**	**12/23/10**	**12/23/10 14:06**	**101223L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	68-120		1,2-Dichloroethane-d4	108	80-128	
Dibromofluoromethane	108	80-127		Toluene-d8	101	80-120	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received:	12/18/10
601 North McDowell Blvd.	Work Order No:	10-12-1645
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L

Project: ExxonMobil 79374 / 022735

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-502**	**N/A**	**Aqueous**	**GC/MS BB**	**12/30/10**	**12/30/10 14:48**	**101230L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Diisopropyl Ether (DIPE)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Xylenes (total)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	101	80-120		Dibromofluoromethane	111	80-127	
1,4-Bromofluorobenzene	97	68-120		1,2-Dichloroethane-d4	116	80-128	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.		Date Received:	12/18/10
601 North McDowell Blvd.		Work Order No:	10-12-1645
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-1648-1	**Aqueous**	**GC 29**	**12/20/10**	**12/21/10**	**101220S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	106	106	68-122	0	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.		Date Received:	12/18/10
601 North McDowell Blvd.		Work Order No:	10-12-1645
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-9-MW1	**Aqueous**	**GC/MS BB**	**12/21/10**	**12/21/10**	**101221S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	122	109	76-124	10	0-20	
Toluene	114	127	80-120	10	0-20	3
Ethylbenzene	116	113	78-126	2	0-20	
Methyl-t-Butyl Ether (MTBE)	112	119	67-121	7	0-49	
Tert-Butyl Alcohol (TBA)	97	96	36-162	1	0-30	
Diisopropyl Ether (DIPE)	116	107	60-138	9	0-45	
Ethyl-t-Butyl Ether (ETBE)	121	112	69-123	8	0-30	
Tert-Amyl-Methyl Ether (TAME)	121	113	65-120	7	0-20	3
Ethanol	83	83	30-180	0	0-72	
1,2-Dibromoethane	122	113	80-120	7	0-20	3
1,2-Dichloroethane	120	104	80-120	15	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received:	12/18/10
601 North McDowell Blvd.	Work Order No:	10-12-1645
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-1351-2	**Aqueous**	**GC/MS BB**	**12/22/10**	**12/22/10**	**101222S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	101	76-124	1	0-20	
Toluene	100	101	80-120	2	0-20	
Ethylbenzene	104	101	78-126	3	0-20	
Methyl-t-Butyl Ether (MTBE)	99	99	67-121	0	0-49	
Tert-Butyl Alcohol (TBA)	95	98	36-162	3	0-30	
Diisopropyl Ether (DIPE)	103	106	60-138	3	0-45	
Ethyl-t-Butyl Ether (ETBE)	104	108	69-123	3	0-30	
Tert-Amyl-Methyl Ether (TAME)	101	105	65-120	4	0-20	
Ethanol	82	89	30-180	9	0-72	
1,2-Dibromoethane	102	120	80-120	16	0-20	
1,2-Dichloroethane	100	107	80-120	6	0-20	

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: 12/18/10
Work Order No: 10-12-1645
Preparation: EPA 5030C
Method: EPA 8260B

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-1672-2	**Aqueous**	**GC/MS BB**	**12/23/10**	**12/23/10**	**101223S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	105	104	76-124	0	0-20	
Toluene	106	106	80-120	0	0-20	
Ethylbenzene	97	56	78-126	19	0-20	3
Methyl-t-Butyl Ether (MTBE)	97	101	67-121	4	0-49	
Tert-Butyl Alcohol (TBA)	89	99	36-162	11	0-30	
Diisopropyl Ether (DIPE)	108	111	60-138	2	0-45	
Ethyl-t-Butyl Ether (ETBE)	106	109	69-123	3	0-30	
Tert-Amyl-Methyl Ether (TAME)	103	104	65-120	1	0-20	
Ethanol	78	84	30-180	8	0-72	
1,2-Dibromoethane	105	106	80-120	1	0-20	
1,2-Dichloroethane	103	103	80-120	0	0-20	

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: 12/18/10
Work Order No: 10-12-1645
Preparation: EPA 5030C
Method: EPA 8260B

Project ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-2078-8	Aqueous	GC/MS BB	12/30/10	12/30/10	101230S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	121	118	76-124	3	0-20	
Toluene	120	117	80-120	2	0-20	
Ethylbenzene	122	119	78-126	3	0-20	
Methyl-t-Butyl Ether (MTBE)	98	105	67-121	7	0-49	
Tert-Butyl Alcohol (TBA)	119	109	36-162	8	0-30	
Diisopropyl Ether (DIPE)	124	123	60-138	1	0-45	
Ethyl-t-Butyl Ether (ETBE)	112	119	69-123	6	0-30	
Tert-Amyl-Methyl Ether (TAME)	107	114	65-120	6	0-20	
Ethanol	108	90	30-180	18	0-72	
1,2-Dibromoethane	113	112	80-120	1	0-20	
1,2-Dichloroethane	120	118	80-120	1	0-20	

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: 10-12-1645
Petaluma, CA 94954-2312	Preparation: EPA 3510C
	Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-234-772	Aqueous	GC 46	12/22/10	12/23/10	101222B08

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	103	103	75-117	0	0-13	

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:	10-12-1645
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-330-1,753	**Aqueous**	**GC 46**	**12/21/10**	**12/23/10**	**101221B07**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	106	104	75-117	2	0-13	

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: 10-12-1645
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-5,661	Aqueous	GC 29	12/20/10	12/21/10	101220B02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	109	110	78-120	0	0-10	

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:	10-12-1645
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-499	Aqueous	GC/MS BB	12/21/10	12/21/10	101221L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	105	106	80-120	73-127	1	0-20	
Toluene	107	114	80-120	73-127	6	0-20	
Ethylbenzene	110	108	80-120	73-127	2	0-20	
Methyl-t-Butyl Ether (MTBE)	107	118	69-123	60-132	9	0-20	
Tert-Butyl Alcohol (TBA)	94	96	63-123	53-133	2	0-20	
Diisopropyl Ether (DIPE)	109	104	59-137	46-150	5	0-37	
Ethyl-t-Butyl Ether (ETBE)	117	111	69-123	60-132	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	114	112	70-120	62-128	2	0-20	
Ethanol	68	79	28-160	6-182	14	0-57	
1,2-Dibromoethane	110	109	79-121	72-128	1	0-20	
1,2-Dichloroethane	108	99	80-120	73-127	9	0-20	

Total number of LCS compounds : 11
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

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

Date Received: N/A
Work Order No: 10-12-1645
Preparation: EPA 5030C
Method: EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-500	**Aqueous**	**GC/MS BB**	**12/22/10**	**12/22/10**	**101222L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	100	99	80-120	73-127	0	0-20	
Toluene	101	99	80-120	73-127	2	0-20	
Ethylbenzene	105	104	80-120	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	95	94	69-123	60-132	1	0-20	
Tert-Butyl Alcohol (TBA)	89	94	63-123	53-133	5	0-20	
Diisopropyl Ether (DIPE)	100	102	59-137	46-150	2	0-37	
Ethyl-t-Butyl Ether (ETBE)	103	102	69-123	60-132	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	103	100	70-120	62-128	3	0-20	
Ethanol	75	79	28-160	6-182	4	0-57	
1,2-Dibromoethane	105	103	79-121	72-128	1	0-20	
1,2-Dichloroethane	95	93	80-120	73-127	2	0-20	

Total number of LCS compounds : 11
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

Environmental Resolutions, Inc.	Date Received: N/A
601 North McDowell Blvd.	Work Order No: 10-12-1645
Petaluma, CA 94954-2312	Preparation: EPA 5030C
	Method: EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-501	Aqueous	GC/MS BB	12/23/10	12/23/10	101223L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	102	105	80-120	73-127	3	0-20	
Toluene	104	107	80-120	73-127	3	0-20	
Ethylbenzene	107	110	80-120	73-127	2	0-20	
Methyl-t-Butyl Ether (MTBE)	94	97	69-123	60-132	4	0-20	
Tert-Butyl Alcohol (TBA)	107	111	63-123	53-133	3	0-20	
Diisopropyl Ether (DIPE)	107	111	59-137	46-150	4	0-37	
Ethyl-t-Butyl Ether (ETBE)	99	103	69-123	60-132	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	95	99	70-120	62-128	5	0-20	
Ethanol	101	104	28-160	6-182	3	0-57	
1,2-Dibromoethane	102	106	79-121	72-128	3	0-20	
1,2-Dichloroethane	100	104	80-120	73-127	4	0-20	

Total number of LCS compounds : 11
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

Environmental Resolutions, Inc.	Date Received: N/A
601 North McDowell Blvd.	Work Order No: 10-12-1645
Petaluma, CA 94954-2312	Preparation: EPA 5030C
	Method: EPA 8260B

Project: ExxonMobil 79374 / 022735

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-502	Aqueous	GC/MS BB	12/30/10	12/30/10	101230L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	111	112	80-120	73-127	0	0-20	
Toluene	114	115	80-120	73-127	0	0-20	
Ethylbenzene	117	117	80-120	73-127	0	0-20	
Methyl-t-Butyl Ether (MTBE)	94	102	69-123	60-132	8	0-20	
Tert-Butyl Alcohol (TBA)	124	93	63-123	53-133	29	0-20	ME,X
Diisopropyl Ether (DIPE)	118	118	59-137	46-150	0	0-37	
Ethyl-t-Butyl Ether (ETBE)	107	115	69-123	60-132	7	0-20	
Tert-Amyl-Methyl Ether (TAME)	102	111	70-120	62-128	9	0-20	
Ethanol	118	82	28-160	6-182	36	0-57	
1,2-Dibromoethane	108	108	79-121	72-128	0	0-20	
1,2-Dichloroethane	115	116	80-120	73-127	1	0-20	

Total number of LCS compounds : 11
Total number of ME compounds : 1
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

Note "ME" & "X" : The percent recovery and the RPD are above acceptable control limits. The spike and spike duplicate were within control limits and, therefore, the sample data was reported without further clarification.

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-12-1645

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 or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS recovery percentage is within LCS ME control limit range.
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.
QO	Compound did not meet ID guidelines. Addit. GC/MS ID params used.
U	Undetected at detection limit.
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.

Calscience Environmental Laboratories, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

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

ExxonMobil

1645

Consultant Name: Cardno ERI | **Account #:** NA | **PO#:** 4512299226
Consultant Address: 601 N. McDowell Boulevard | **Invoice To:** Jennifer Sedlachek
Consultant City/State/Zip: Petaluma, California, 94954 | **Report To:** Paula Sime
ExxonMobil Project Mgr: Jennifer Sedlachek | **Project Name:** 02 2735 13X
Consultant Project Mgr: Paula Sime | **ExxonMobil Site #:** 79374 | **Major Project (AFE #):**
Consultant Telephone Number: 707-766-2000 | **Fax No.:** 707-789-0414 | **Site Address:** 990 San Pablo Avenue
Sampler Name (Print): Jake Prowse | **Site City, State, Zip:** Albany, California
Sampler Signature: | **Oversight Agency:** Alameda County Environmental Health Department

	Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other: Unpreserved	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For: TPHg 8015M	TPHd 8015M	TPHmo 8015M	BTEX 8260B	7 Oxygenates 8260B				RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	QCBB				2						2v														X		H	O	L	D							
2	W- 9 -MW1	MW1	12-16	1130	8						6v						2A		X							X	X	X	X	X						X	
3	W- 10 -MW2	MW2	12-16	1150	8						6v						2A		X							X	X	X	X	X						X	
4	W- 12 -MW3	MW3	12-16	1210	8						6v						2A		X							X	X	X	X	X						X	
5	W- 7 -MW4	MW4	12-16	1235	8						6v						2A		X							X	X	X	X	X						X	
6	W- 8 -MW5	MW5	12-16	1250	8						6v						2A		X							X	X	X	X	X						X	
7	W- 10 -MW6	MW6	12-16	1310	8						6v						2A		X							X	X	X	X	X						X	

Comments/Special Instructions:
PLEASE E-MAIL ALL PDF FILES TO
norcallabs@eri-us.com; ERI-EIMLABS@eri-us.com
GLOBAL ID # T0619716673

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

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

Relinquished by:		Date	Time	Received by:	Date	Time
J. Prowse		12/16	15:00	Tom O'Malley CEL	12/17/16	0955
Relinquished by:	UPS	Date	Time	Received by (Lab personnel):	Date	Time
		12/17/16	1730	CEL	12/18/16	1030

(1645)

GSO

<WebShip>>>>>

800-322-5555 www.gso.com

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

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

COD:
$0.00

Reference:
ERI, C&T

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515587993

SDS

ORC **D**

GARDEN GROVE

D92843A

87237939

Print Date : 12/17/10 16:17 PM

Package 1 of 1

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-12-1645

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Cardo ERI

DATE: 12/18/10

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

Temperature 3.0 °C + 0.5 °C (CF) = 3.5 °C ☐ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Initial: YL

CUSTODY SEALS INTACT:

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

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

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

CONTAINER TYPE:

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

Water: ☐VOA ☑6 VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs

☐500AGB ☑2 500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna

☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

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

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

Preservative: h: HCL n: HNO_3 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:** DV

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-12-1645

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☑ **Sample(s)/Container(s) NOT RECEIVED but listed on COC**
- ☑ **Sample(s)/Container(s) received but NOT LISTED on COC** VA 12/18/10
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☑ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

(-1) sample not received

(-2) received 8 vials instead of 6. (total containers: 10)

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

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

Comments: _____

*Transferred at Client's request.

Initial / Date: VA 12/18/10

APPENDIX H

SURVEY DATA

DESCRIPTION	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEV (PVC)	ELEV (BOX)	ELEV (GROUND)
B1	2150759.8	6042697.0	37.8879175	-122.2984541			41.31
B2	2150761.3	6042664.8	37.8879200	-122.2985657			40.92
B4	2150785.6	6042666.4	37.8879868	-122.2985618			41.23
B5	2150815.3	6042697.6	37.8880700	-122.2984557			41.98
B6	2150796.1	6042621.6	37.8880132	-122.2987177			41.51
CPT1	2150800.2	6042699.4	37.8880286	-122.2984485			41.76
CPT2	2150780.0	6042622.9	37.8879691	-122.2987122			40.99
HP1A	2150797.2	6042700.1	37.8880204	-122.2983466			41.74
HP1B	2150794.4	6042701.0	37.8880127	-122.2987182			41.71
HP2A	2150777.8	6042623.4	37.8879631	-122.2987893			40.90
HP2B	2150775.5	6042623.9	37.8879568	-122.2985615			40.79
MW1	2150803.8	6042699.8	37.8880385	-122.2984458	41.45	41.75	
MW2	2150764.3	6042710.4	37.8879306	-122.2984425	41.25	41.63	
MW3	2150752.0	6042666.6	37.8878945	-122.2987103	40.42	40.92	
MW4	2150749.3	6042629.2	37.8878851	-122.2987084	39.30	39.72	
MW5	2150771.4	6042623.7	37.8879455	-122.2984473	40.38	40.66	
MW6	2150790.9	6042618.6	37.8879988	-122.2984080	41.06	41.37	
CTRL PT1	2150768.7	6042728.2	37.8879436	-122.2985589			41.42
CTRL PT2	2150735.3	6042620.3	37.8878462	-122.2986883			39.02
CTRL PT3	2150798.5	6042601.0	37.8880187	-122.2987088			42.16
CTRL PT4	2150973.8	6042670.1	37.8885037	-122.2987278			42.73
BM	2150397.8	6042861.9	37.8869323	-122.2978586			41.47

BASIS OF COORDINATES AND ELEVATIONS:

COORDINATES ARE CALIFORNIA STATE PLANE ZONE 3 COORDINATES FROM GPS OBSERVATIONS PROCESSED AGAINST OBSERVATION FILES FROM THE CALIFORNIA SPATIAL REFERENCE CENTER DATUM, REFERENCE EPOCH 2010.9192, THE DATE OF THE SURVEY.

COORDINATE DATUM IS NAD 83(CORS).

DATUM ELLIPSOID IS WGS84.

REFERENCE GEOID IS GEOID09.

CORS STATIONS USED WERE P181 AND SBRN.

VERTICAL DATUM IS NAVD 88 AND IS BASED ON CONVENTINAL SURVEY METHODS USING CITY OF ALBANY REFERENCE MONUMENT #423. THE ELEVATION OF BM #423 IS REPORTED BY THE CITY OF ALBANY AS 41.47 FT.

DATE OF LATEST SURVEY: DECEMBER 1, 2010.

SCALE: 1"=20'

20 10 0 20

LICENSED LAND SURVEYOR
D. IAN WILSON
L.S. 7010
STATE OF CALIFORNIA

Cardno WRG
SACRAMENTO
201 CREEKSIDE RIDGE CT, STE 100, ROSEVILLE, CA 95678 TEL: (916) 677-8600 FAX: (916) 677-8620 www.cardnowrg.com
PLANNERS • ENGINEERS • LANDSCAPE ARCHITECTS • SURVEYORS

MONITORING WELL SURVEY
ALAMEDA COUNTY, CALIFORNIA

990 SAN PABLO AVENUE
ALBANY, CALIFORNIA

PROJECT NO. 9531
DATE: 12/14/2010
BY: DIW
SCALE: 1'=20'
SHEET NO. 1 OF 1

APPENDIX I

WASTE DOCUMENTATION

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
11 / 13 / 10		394/732	A07	36439	001

Generator and/or Consultant

Generator's Name and Billing Address: EXXONMOBIL OIL CORP. ATTN: EMES ADMINISTRATOR 2555 W. 190TH ST. #1100 TORRANCE, CA 90504	Generator's Phone #: 310-212-2938 Person to Contact: FAX#:	 Customer Account Number
Consultant's Name and Billing Address: ERI - Petaluma	Consultant's Phone #: Person to Contact: FAX#:	 Customer Account Number
Generation Site (Transport from): *(name & address)* EXXONMOBIL 70374 990 SAN PABLO AVE ALBANY, CA 94706	Site Phone #: Person to Contact: FAX#:	
Designated Facility (Transport to): *(name & address)* SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: (800) 882-8001 Person to Contact: DELLENA JEFFREY FAX#: (760) 246-8004	
Transporter Name and Mailing Address: BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 180351	Transporter's Phone #: 949-460-6200 Person to Contact: LARRY MOOTHART FAX#: 949-460-6210	CAR000183013 450647 Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☒	15	Soil	45600	37200	8380
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					4.19

List any exception to items listed above: Scale Ticket # 57505

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☒ Mark Sinie / Cardno ERI

Signature and date: On Behalf of ExxonMobil: [signature] Month 11 Day 18 Year 10

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Don Gallen

Signature and date: [signature] Month 11 Day 23 Year 10

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: D. JEFFREY/J. PROVANSAL

Signature and date: [signature] 11/24/10

Please print or type.

TRANSPORTER COPY

NO. 689439

NON-HAZARDOUS WASTE DATA FORM

BESI # 186351

GENERATOR

Generator's Name and Mailing Address
EXXONMOBIL OIL CORP.
ATTN: EMES ADMINISTRATOR
2555 W. 190TH ST. #1105
TORRANCE, CA 90504

Generator's Site Address (if different than mailing address)
EXXONMOBIL 79374
900 SAN PABLO AVE
ALBANY, CA 94706

Generator's Phone: 310-212-2938

Container type removed from site:
☒ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck
☐ Other _____
Quantity 1

Container type transported to receiving facility:
☒ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck
☐ Other _____
Quantity 40 Gallons Volume _____

WASTE DESCRIPTION NON-HAZARDOUS WATER

GENERATING PROCESS WELL PURGING / DECON WATER

COMPONENTS OF WASTE	PPM	%
1. WATER		99-100%
2. TPH		<1%
3.		
4.		

Waste Profile 12620 PROPERTIES: pH 7-10 ☐ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PROTECTIVE CLOTHING. 1/1995

D40169

Generator Printed/Typed Name: Paula Sime / Cardno ERI
Signature: On Behalf of ExxonMobil: [signature]
Month Day Year: 11 18 10

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE
Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Ron Green
Signature: [signature]
Month Day Year: 11 23 10

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: Belshire
Phone#: 949-460-5200

Transporter 2 Printed/Typed Name: Vic Navarro
Signature: [signature]
Month Day Year: 11 29 10

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address
CROSBY & OVERTON
1630 W. 17TH STREET
LONG BEACH, CA 90813

Phone#: 562-432-5445

Printed/Typed Name: Jasmin Bellers
Signature: [signature]
Month Day Year: 11 30 10

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

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. Ent-79374

2. Page 1 of 1

3. Generator's Name and Mailing Address
Ent- 79374
990 San Pablo Ave
Albany, CA

4. Generator's Phone ( )

5. Transporter 1 Company Name
ERI

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone (707) 226-2624

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
3d(20)
CAD000150599

E. State Facility's ID

F. Facility's Phone
(707) 374-5834

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Haz purge water	1	poly	275	GALS
b.				
c.				
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above
Colors - Brown
odors - ~~Ø~~
Solids - ~~Ø~~

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

NON-HAZARDOUS WASTE

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: Dave West | Signature | Date: Month 11 Day 19 Year 10

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 Bekker | Signature | Date: Month 11 Day 19 Year 10

Rev. 3/95

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-79374 | 2. Page 1 of 1

3. Generator's Name and Mailing Address
EM-79374
990 San Pablo Ave
Albany, CA

ERI # 2735

4. Generator's Phone ( )

5. Transporter 1 Company Name: ERI | 6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone (707) 746-2624

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: CAD000150599

E. State Facility's ID

F. Facility's Phone (707) 374-3834

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Haz Purge water	1	poly	65	GALS
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
Colors - Brown
odors - ø
Solids - ø

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: Danny West | Signature | Date: Month 11 Day 19 Year 10

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 | Date: Month 11 Day 19 Year 10

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. Emi-79374

2. Page 1 of 1

3. Generator's Name and Mailing Address
Emi-79374
900 San Pablo Ave
Albany, CA

EPI # 2735

4. Generator's Phone ( )

5. Transporter 1 Company Name
EPI

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
Instant
1105 Airport Rd
Vista, CA

10. US EPA ID Number
VIR000150579

E. State Facility's ID

F. Facility's Phone (707) 374-3834

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Haz Purple water	1	poly	49	GALS
b.				
c.				
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above
Odors - Brown
Odors -
Solids -

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

NON-HAZARDOUS WASTE

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	Signature	Date Month	Day	Year
Mike Prowse		12	17	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
T. Strat

Printed/Typed Name	Signature	Date Month	Day	Year
[illegible]		12	17	10