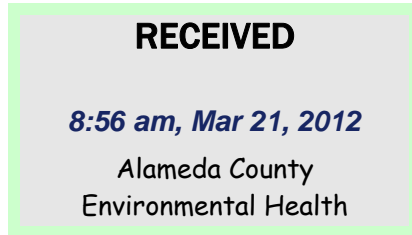


ExxonMobil
Environmental Services Company
4096 Piedmont Avenue #194
Oakland, California 94611
510 547 8196 Telephone
510 547 8706 Facsimile

Jennifer C. Sedlachek
Project Manager



ExxonMobil

March 15, 2012

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

RE: Former Exxon RAS #70234/3450 35th Avenue, Oakland, California.

Dear Ms. Jakub:

Attached for your review and comment is a copy of the letter report entitled *Well Installation Report*, dated March 15, 2012, for the above-referenced site. The report was prepared by Cardno ERI of Petaluma, California, and details activities at the subject site.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "J Sedlachek".

Jennifer C. Sedlachek
Project Manager

Attachment: Cardno ERI's *Well Installation Report*, dated March 15, 2012

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

w/o attachment
Ms. Janice A. Jacobson, Cardno ERI



March 15, 2012
Cardno ERI 247605.R05

Ms. Jennifer C. Sedlachek
ExxonMobil Environmental Services
4096 Piedmont Avenue #194
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SUBJECT **Well Installation Report**
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California 94601

Ms. Sedlachek:

At the request of ExxonMobil Environmental Services (EMES), on behalf of Exxon Mobil Corporation, Cardno ERI prepared this well installation report for the above-referenced site (Plate 1). The purpose of the work was to install a groundwater recovery well to observe aquifer characteristics and to assess the feasibility of groundwater pump and treat as a remedial strategy to remove dissolved-phase petroleum hydrocarbon concentrations in groundwater underlying the site.

The work was conducted in accordance with Cardno ERI's *Work Plan for Well Installation and Feasibility Testing* (Work Plan), dated December 5, 2011 (Cardno ERI, 2011).

SITE DESCRIPTION

Former Exxon Service Station 70234 is located at 3450 35th Avenue, on the eastern corner of the intersection of 35th Avenue and Quigley Street, in Oakland, California (Plate 1). The surrounding areas consist of residential and commercial properties. An active ConocoPhillips 76 Service Station (ConocoPhillips) is located southwest of the site directly across Quigley Street (Plate 2).

The subject site is a former Exxon-branded service station, which was sold to Valero Energy Corporation (Valero) in 2000 and decommissioned with the removal of the underground fueling facilities in 2002

March 15, 2012
Cardno ERI 247605.R05 Former Exxon Service Station 70234, Oakland, California

(TRC, 2002). The station building and canopy remain on site; however, the property is vacant and fenced, and the property redevelopment plans are not known at this time. The former UST cavity is filled with gravel and its surface is finished with cement.

GEOLOGY AND HYDROGEOLOGY

The site lies at an approximate elevation of 195 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 and Pleistocene alluvial fan and fluvial deposits (Graymer, 2000). The site is located approximately 650 feet southeast of Peralta Creek. The active northwest trending Hayward fault is located approximately ½ 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 Oakland Sub-Area, which is filled primarily by alluvial deposits that range from 300 to 700 feet thick with no well-defined aquitards (CRWQCB, 1999). Under natural conditions, the direction of groundwater flow in the East Bay Plain is east to west.

The site is located approximately 2 miles northeast of the Oakland Estuary tidal canal, which connects to San Leandro Bay to the south and the Oakland Inner Harbor to the west, which connects to the San Francisco Bay. Groundwater flow direction is predominantly to the southwest towards the bay, consistent with site data. Groundwater recharge in the shallow aquifer occurs by infiltration from precipitation, irrigation, and stream flow.

Past assessment activities indicate that the soil beneath the site consists of clayey sand and sandy clay with varying amounts of silt and gravel to 45 feet bgs, the maximum depth investigated (ERI, 2009). Free groundwater occurs in a sandy gravel layer from approximately 29 to 40 feet bgs. During the November 23, 2011 groundwater monitoring and sampling event, the DTW in the wells ranged from 29.25 to 33.49 feet, and the groundwater flow direction was to the southwest with a horizontal gradient of 0.013 to 0.016 (Plate 3).

PREVIOUS WORK

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

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Fueling System Activities

In 1991, three 8,000-gallon gasoline USTs were excavated and removed from the site and replaced with three 12,000-gallon USTs (IT, 1992). In 2002, the service station was abandoned and the three 12,000-gallon USTs and associated product piping were excavated and removed from the site. The former UST cavity and product line trenches were backfilled with gravel (TRC, 2002).

Site Assessment Activities

Multiple phases of assessment were conducted from 1986 to 2000 (prior to the initial closure of the environmental case at the site), including the drilling of soil borings B1 through B10, EB1, EB2, SB1, and SB2 and the installation of groundwater monitoring wells MW1 through MW3 (HLA, 1988; Alton, 1991; IT, 1992; and EA, 1997). Assessment results indicated maximum dissolved-phase TPHg, benzene, and MTBE concentrations of 75.0 µg/L, 6.6 µg/L, and 1.87 µg/L, respectively. The groundwater monitoring wells were destroyed in 2000 when the Alameda County Health Care Services Agency, Environmental Health Services (ACEH) closed the environmental case for the site (ERI, 2000).

The ACEH re-opened the environmental case for the site in March 2007 based on the discovery of dissolved-phase MTBE in groundwater samples collected from the UST cavity during its excavation and removal in 2002 (TRC, 2002). In September and November 2007, Environmental Resolutions, Inc. (ERI) observed the drilling of borings B11 through B18 (ERI, 2007).

In March 2009, ERI observed the drilling of borings B19 through B21 and the installation of monitoring wells MW4 through MW9 (ERI, 2009). Maximum dissolved-phase TPHg and MTBE concentrations of 4,400 µg/L and 7,100 µg/L, respectively, were reported in grab groundwater samples collected at 35 feet bgs from boring B19, located on the southwestern edge of the former UST cavity. Concentrations of TPHg, BTEX, and MTBE were reported in soil samples collected from boring B19, MW5, and MW6.

Remediation Activities

In 1991, International Technology Corporation (IT) excavated approximately 1,200 cubic yards of fill material and native soil when the gasoline USTs, dispensers, and product lines were removed and the UST pit was enlarged to accommodate larger new USTs (IT, 1992). Concentrations of TPHg and benzene were reported at up to 5 mg/kg and 0.36 mg/kg, respectively, in soil samples collected from the limits of the overexcavation.

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In 2002, approximately 170 cubic yards of pea gravel and native soil were excavated and removed during the removal of the 12,000-gallon USTs (TRC, 2002). Petroleum hydrocarbons were not reported in the four soil samples collected from the sidewalls of the excavation. Residual TPHg (24 mg/kg), benzene (0.057 mg/kg), toluene (0.11 mg/kg), ethylbenzene (0.12 mg/kg), total xylenes (1.2 mg/kg), and MTBE (0.020 mg/kg) were reported at 4.9 feet bgs in soil sample B, collected from beneath the northeastern dispenser island.

Groundwater Monitoring Activities

Groundwater monitoring was conducted quarterly at the site from 1992 to 1995, and once in 1999. NAPL was not encountered. Dissolved-phase TPHg, benzene, and MTBE were reported in groundwater samples from well MW1, located west of the northern corner of the UST cavity, and well MW3, located upgradient of the fueling system. Groundwater monitoring wells MW1 through MW3 were destroyed in 2000 when the ACEH closed the environmental case for the site (ERI, 2000).

Groundwater monitoring wells MW4 through MW9 have been monitored since March 2009. Maximum dissolved-phase TPHg, benzene, and MTBE concentrations have been reported in well MW5, located southeast of the former UST pit, and well MW6, located southwest of the former UST pit.

SUBSURFACE INVESTIGATION

Based on the results reported in ERI's *Site Assessment Report*, dated April 28, 2009 (ERI, 2009) and cumulative groundwater monitoring and sampling results, Cardno ERI installed a groundwater recovery well (RW1) adjacent to monitoring wells MW5 and MW6, in the area of maximum dissolved-phase hydrocarbon concentrations. The purpose of installing well RW1 is to conduct feasibility testing, including a step-drawdown and a constant rate groundwater pumping test and a multi-day pump test, to see if groundwater pump and treat is a viable remedial strategy. Cardno ERI performed the fieldwork in accordance with the Work Plan, Cardno ERI's standard field protocol (Appendix A), a site-specific health and safety plan, and applicable regulatory guidelines under the advisement of a professional geologist.

Pre-Field Activities

Prior to field activities, Cardno ERI obtained a drilling permit from the Alameda County Public Works Agency (Appendix B), notified Underground Service Alert (USA), and contracted a private utility-locating company to locate underground utilities at the site.

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Groundwater Monitoring Well Installations

On December 22, 2011, Cardno ERI observed Cascade Drilling LP (Cascade) install recovery well RW1 to a depth of 40 feet bgs using the procedures described in the field protocols included in Appendix A. Select soil samples were preserved for laboratory analysis.

Well RW1 was completed as a 4-inch well with a continuous wrap stainless steel 0.020-inch screen, set from 25 to 39.5 feet bgs. Groundwater was first encountered at 29 feet bgs. Well construction details are presented on the boring logs in Appendix C and in Table 3.

Well Development

On December 30, 2011 and February 3, 2012, Cardno ERI observed Cascade develop/redevelop recovery well RW1 using a drill rig equipped with a 4-inch diameter surge block and an electric pump equipped with a digital flow meter in accordance with the well development protocols provided in Appendix A. Field data are included in Appendix D.

Laboratory Analyses

Cardno ERI submitted soil samples for analysis to a state-certified laboratory, under COC protocol. Laboratory analytical reports and COC records are provided in Appendix E. Soil sample analytical data and testing methods are summarized in Tables 2A and 2B.

Site Survey

On December 30, 2011, Cardno ERI observed Morrow Surveying (Morrow) of West Sacramento, California survey the location and elevation of well RW1. Survey data is included in Appendix F.

Waste Management

The decontamination rinsate water and drill cuttings were temporarily stored on site in DOT-approved, sealed 55-gallon drums. On January 31, 2012, a drum containing sludge was transported to Crosby & Overton in Long Beach, California, an EMES-approved disposal site, for disposal. On January 31, 2012, drums containing soil cuttings were transported to Soil Safe of CA, Inc. located in Adelanto, California, and EMES-approved disposal site, for disposal. On January 31, 2012 and February 22, 2012, decontamination/development water was transported to Crosby & Overton, of Long Beach, California, an EMES-approved facility, for recycling. On

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February 17, 2012, development water along with water generated during feasibility testing was transported to InStrat, Inc., of Rio Vista, California, an EMES-approved facility for recycling. Copies of the waste disposal documentation for disposal of soil, sludge, concrete and groundwater are included in Appendix G.

RESULTS OF INVESTIGATION

Site Geology

During this investigation, fill material was observed beneath the site to approximately 14 feet bgs. Native soil consisted of clay mixed with sand and gravel to 40 feet bgs. Groundwater was encountered at 29 feet bgs.

Hydrocarbons in Soil

Concentrations of TPHg, toluene, ethylbenzene, total xylenes, TBA, and MTBE were reported in soil samples collected from boring RW1 during this investigation (Plate 4). Concentrations of benzene, DIPE, ETBE, TAME, 1,2-DCA, and EDB were not reported above laboratory reporting limits in soil samples collected from boring RW1 during this investigation (Tables 2A and 2B).

CONCLUSIONS

Sediments observed during the installation of well RW1 were consistent with observations made during previous investigations at the site.

RECOMMENDATIONS

Cardno ERI recommends conducting feasibility testing, including a step-drawdown and a constant rate groundwater pumping test, to observe aquifer characteristics and to assess the feasibility of groundwater pump and treat as a remediation strategy to remove dissolved-phase petroleum hydrocarbon concentrations in groundwater underlying the site. A report documenting the feasibility testing will be submitted under separate cover.

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. Janice A. Jacobson, Cardno ERI, 601 North McDowell Boulevard, Petaluma, California, 94954. The agency contact is Ms. Barbara Jakub,

March 15, 2012
 Cardno ERI 247605.R05 Former Exxon Service Station 70234, Oakland, California

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 ERI, the data taken from those documents is used "as is" and is assumed to be accurate. ERI does not guarantee the accuracy of this data and makes no warranties for the referenced work performed nor the inferences or conclusions stated in these 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. Janice A. Jacobson, Cardno ERI's project manager for this site, at janice.jacobson@cardno.com or at (707) 766-2000 with any questions regarding this report.

Sincerely,

SCANNED
 IMAGE

Nadya M. Vicente
 Staff Scientist
 for Cardno ERI
 707 766 2000
 Email: nadya.vicente@cardno.com

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

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

March 15, 2012
Cardno ERI 247605.R05 Former Exxon Service Station 70234, Oakland, California

Enclosures:

References

Acronym List

| | |
|------------|--|
| Plate 1 | Site Vicinity Map |
| Plate 2 | Generalized Site Plan |
| Plate 3 | Groundwater Elevations Map, November 23, 2011 |
| Plate 4 | Select Soil Analytical Results |
| 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 |
| Table 3 | Well Construction Details |
| Appendix A | Field Protocols |
| Appendix B | Permits |
| Appendix C | Boring Logs |
| Appendix D | Field Data |
| Appendix E | Laboratory Analytical Reports and Chain-of-Custody Records |
| Appendix F | Survey Data |
| Appendix G | Waste Disposal Documentation |

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Cardno ERI 247605.R05 Former Exxon Service Station 70234, Oakland, California

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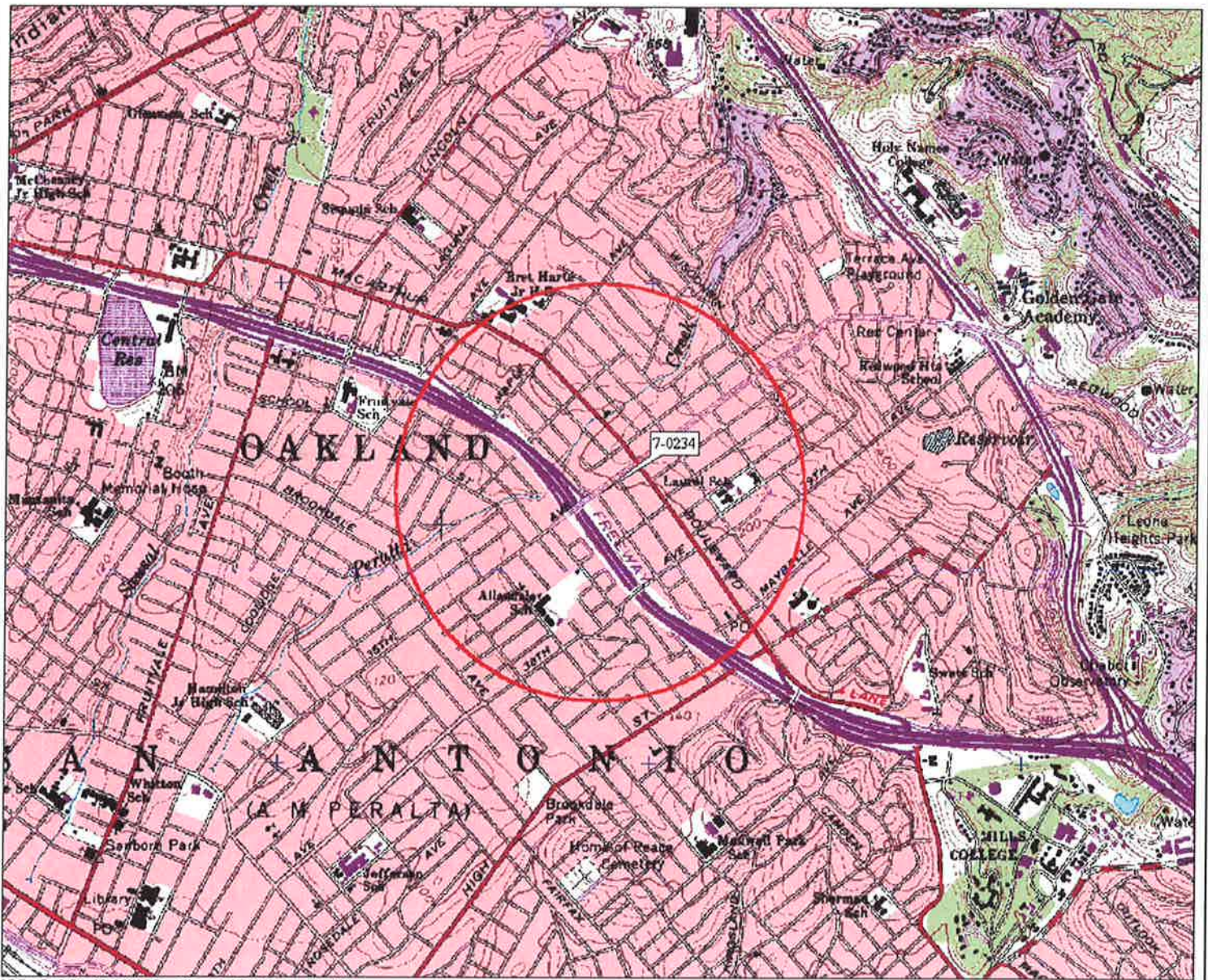
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March 15, 2012

Cardno ERI 247605.R05 Former Exxon Service Station 70234, Oakland, California

ACRONYM LIST


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



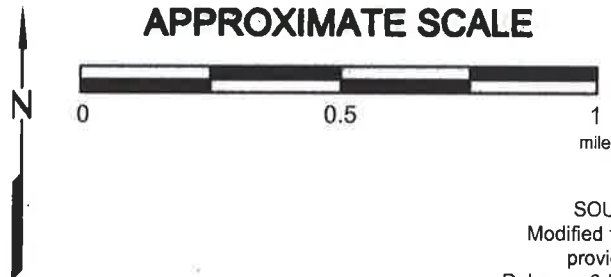
3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 550 ft. Scale: 1:17,200 Detail: 17-0 Datum: WGS84

2476TOPO

EXPLANATION

 1/2-mile radius circle

APPROXIMATE SCALE



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



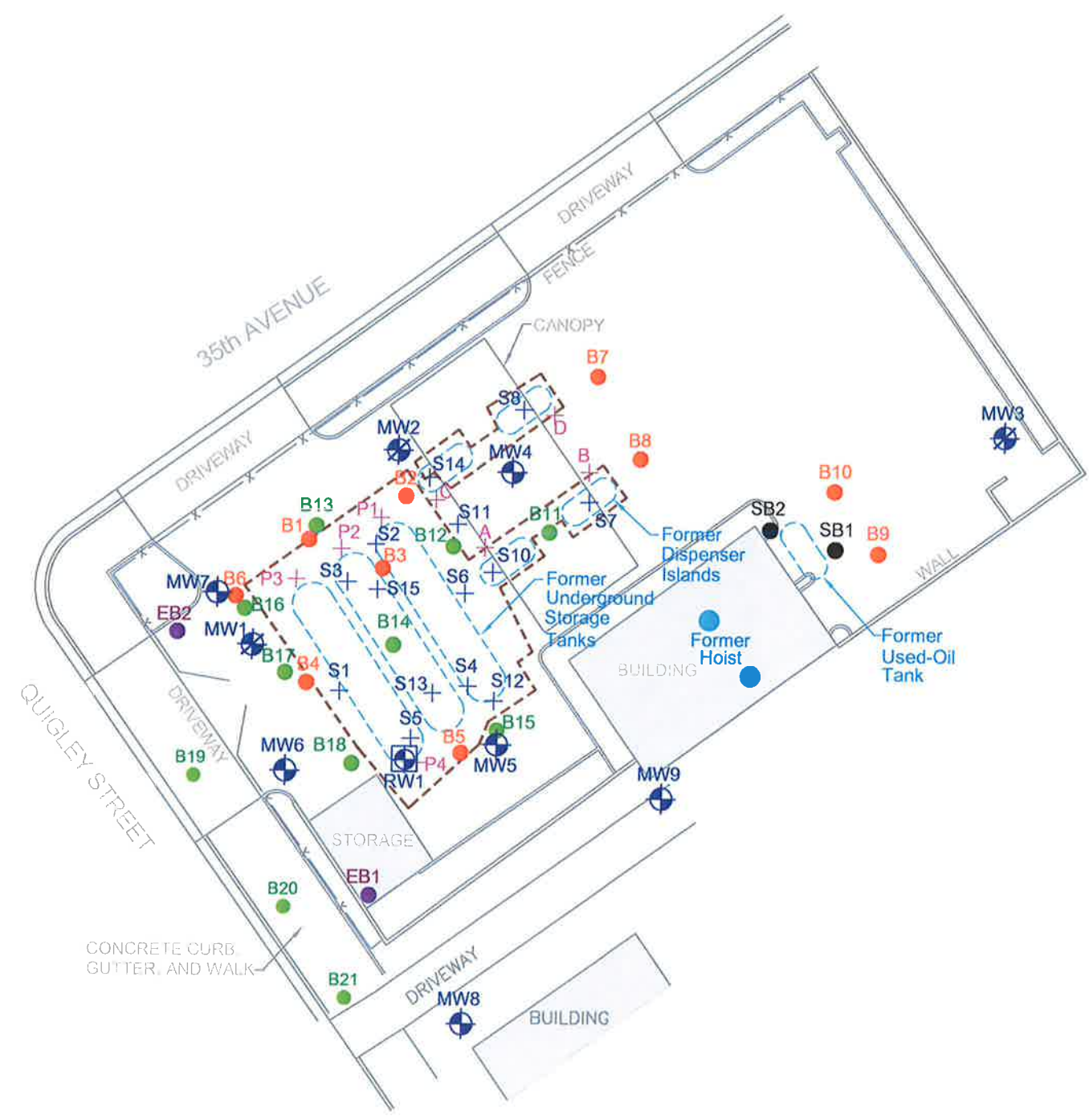
SITE VICINITY MAP
FORMER EXXON SERVICE STATION 70234
3450 35th Avenue
Oakland, California

PROJECT NO.

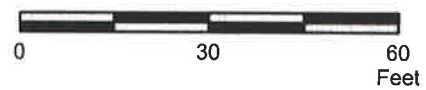
2476

PLATE

1



APPROXIMATE SCALE



FN 2476 12 R05 GSP_SP

Excavated Area

SOURCE: Modified from maps provided by MORROW SURVERING



GENERALIZED SITE PLAN
 FORMER
 EXXON SERVICE STATION 70234
 3450 35th Avenue
 Oakland, California

EXPLANATION

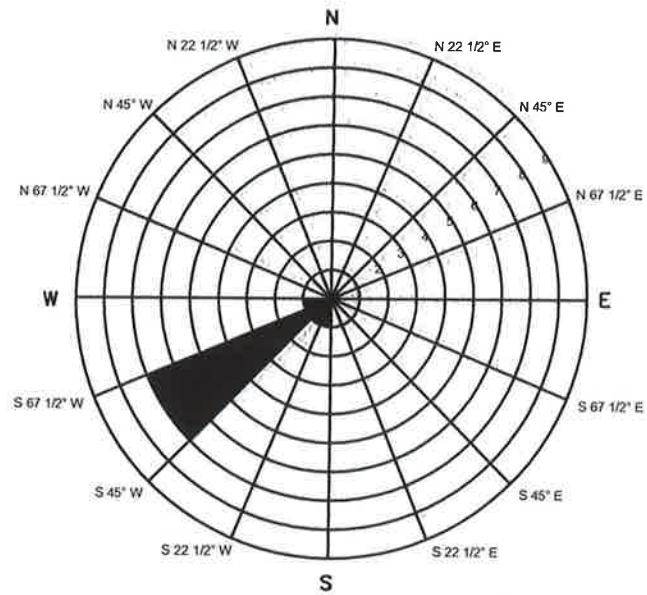
- MW9 Groundwater Monitoring Well
- MW1 Destroyed Groundwater Monitoring Well
- B21 Soil Boring (ERI)

- SB2 Soil Boring (GTI, 1986)
- EB2 Soil Boring (HLA, 1988)
- B10 Soil Boring (Alton, 1991)

- P4 Soil Sample Location (TRC, 2002)
- S15 Soil Sample Location (Alton, 1991)
- RW1 Recovery Groundwater Monitoring Well

PROJECT NO.
2476

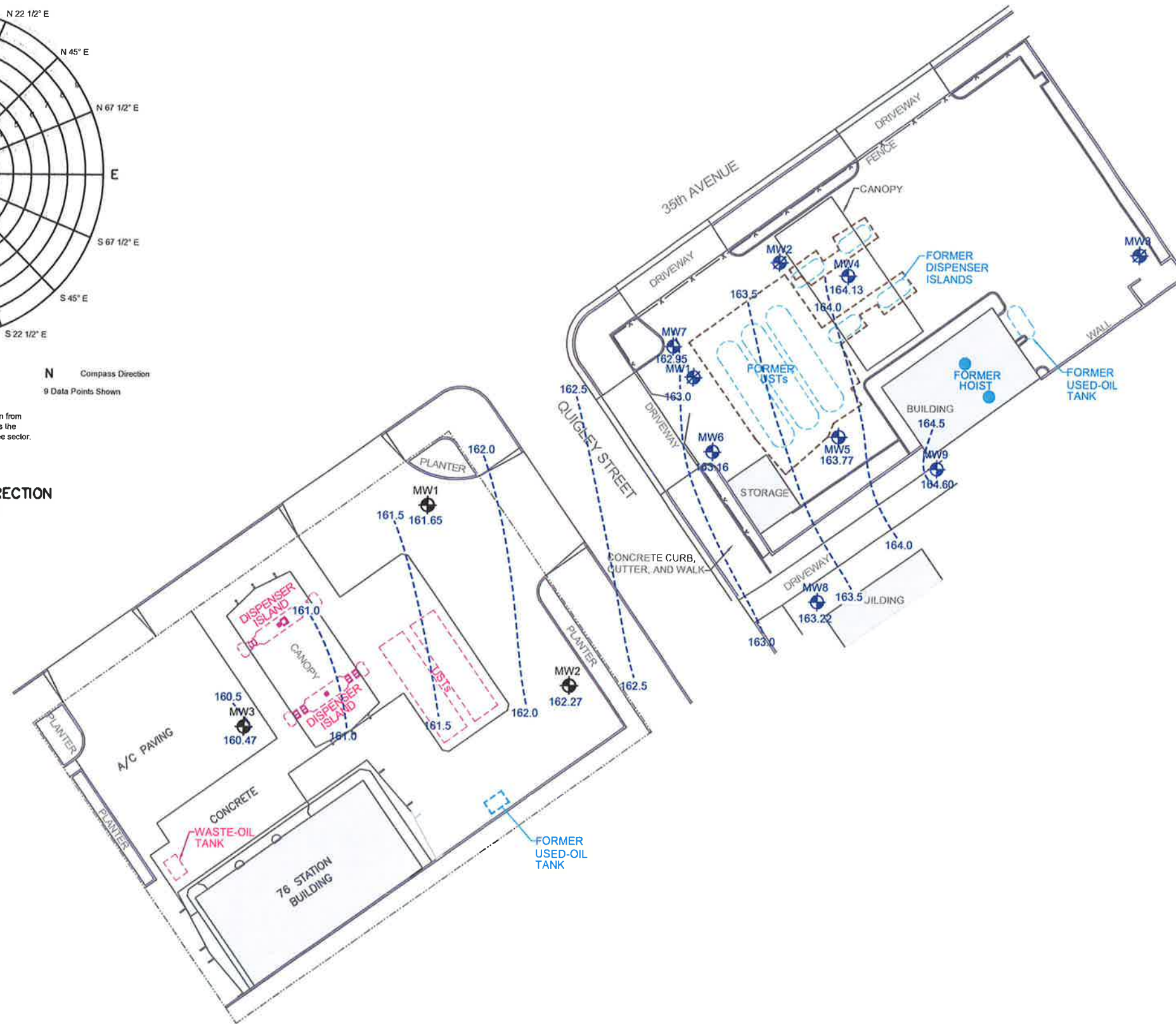
PLATE
2



N Compass Direction
9 Data Points Shown

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 22.5 degree sector. March 30, 2009 to November 23, 2011

GROUNDWATER FLOW DIRECTION ROSE DIAGRAM



SOURCE: Modified from maps provided by MORROW SURVEING AND TRC

FN 2476 12 R05 11 4QTR QM_SP



GROUNDWATER ELEVATION MAP
November 23, 2011
FORMER
EXXON SERVICE STATION 70234
3450 35th Avenue
Oakland, California

- EXPLANATION**
- MW9 Groundwater Monitoring Well
 - 164.60 Groundwater elevation in feet; datum is mean sea level
 - MW1 Destroyed Groundwater Monitoring Well

- MW3 Groundwater Monitoring Well By Others
- Excavated Area

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

| |
|---------------------|
| PROJECT NO. 2476 |
| PLATE 3 |

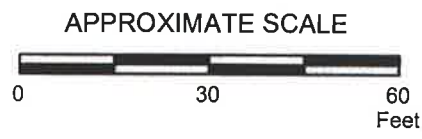
Analyte Concentrations in mg/kg

| |
|--|
| Sample Date |
| Sampled Depth |
| Total Petroleum Hydrocarbons as gasoline |
| Benzene |
| Methyl Tertiary Butyl Ether |

- < Less Than the Stated Laboratory Reporting Limit
- mg/kg Milligrams per kilogram
- e Hydrocarbon pattern does not match that of the specified standard.
- g Compound did not meet method-described identification guidelines. Identification was based on additional GM/MS characteristics.



| 12/22/11 | | | | | | | | | |
|----------|---------|---------|---------|---------|----------|---------|--------|----------|--------|
| 5 FT. | 15 FT. | 25 FT. | 28 FT. | 31 FT. | 32.5 FT. | 34 FT. | 37 FT. | 38.5 FT. | 40 FT. |
| <0.50 | 1.3e | 6.5e | 27e | 1.7 | 0.95 | 2.3e | 420 | <0.50 | 440 |
| <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.50 | <0.0050 | <1.0 |
| <0.0050 | 0.0053 | 0.0066g | <0.0050 | 0.50 | 0.72 | 0.94 | <0.50 | 0.0071 | <1.0 |



FN 2476 12 R05 TPHG_SP

SOURCE: Modified from maps provided by MORROW SURVERING



SELECT SOIL ANALYTICAL RESULTS

FORMER
EXXON SERVICE STATION 70234
3450 35th Avenue
Oakland, California

EXPLANATION

- MW9 Groundwater Monitoring Well
- MW3 Destroyed Groundwater Monitoring Well
- B21 Soil Boring (ERI)
- RW1 Recovery Groundwater Monitoring Well

PROJECT NO.
2476

PLATE
4

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

| Well ID | Sampling Date | Depth (feet) | TOC Elev. (feet) | DTW (feet) | GW Elev. (feet) | NAPL (feet) | TPHg (µg/L) | MTBE (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | Total Pb (µg/L) | Organic Pb (mg/L) |
|--------------------------------|------------------------------|--------------|------------------|-----------------|-----------------|-------------|-------------|-------------|----------|----------|----------|----------|-----------------|-------------------|
| Monitoring Well Samples | | | | | | | | | | | | | | |
| MW1 | 07/15/92 | --- | --- | Well installed. | | | | | | | | | | |
| MW1 | 07/17/92 | --- | 192.00 | 33.02 | 158.98 | No | 67 | --- | 6.6 | 6.9 | 2.0 | 4.5 | 17 | --- |
| MW1 | 10/22/92 | --- | 192.00 | 34.07 | 157.93 | No | <50 | --- | 2.9 | <0.5 | <0.5 | <0.5 | 16 | --- |
| MW1 | 02/04/93 | --- | 192.00 | 29.43 | 162.57 | No | <50 | --- | 0.8 | <0.5 | <0.5 | <0.5 | 4 | --- |
| MW1 | 05/03/93 | --- | 192.00 | 29.72 | 162.28 | No | 71 | --- | 2.8 | 7.2 | 2.2 | 22 | 40 | --- |
| MW1 | 07/30/93 | --- | 192.00 | 32.95 | 159.05 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | 5 | --- |
| MW1 | 10/19/93 | --- | 192.00 | 34.34 | 157.66 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | 12 | --- |
| MW1 | 02/23/94 | --- | 192.00 | 31.72 | 160.28 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | 4 | --- |
| MW1 | 06/06/94 | --- | 192.00 | 31.77 | 160.23 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <3 | --- |
| MW1 | 08/18/94 | --- | 192.00 | 33.76 | 158.24 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | 130 | --- |
| MW1 | 11/15/94 | --- | 192.00 | 34.08 | 157.92 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <3.0 | <100 |
| MW1 | 02/06/95 | --- | 192.00 | 28.50 | 163.50 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- |
| MW1 | 05/10/95 | --- | 192.00 | 29.30 | 162.70 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- |
| MW1 | 09/20/99 | --- | 192.00 | 33.30 | 158.70 | No | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <75 | <50 |
| MW1 | Well destroyed in June 2000. | | | | | | | | | | | | | |
| MW2 | 07/15/92 | --- | --- | Well installed. | | | | | | | | | | |
| MW2 | 07/17/92 | --- | 194.85 | 34.65 | 160.20 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <3 | --- |
| MW2 | 10/22/92 | --- | 194.85 | 35.64 | 159.21 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- |
| MW2 | 02/04/93 | --- | 194.85 | 31.13 | 163.72 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <3 | --- |
| MW2 | 05/03/93 | --- | 194.85 | 31.08 | 163.77 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | 3 | --- |
| MW2 | 07/30/93 | --- | 194.85 | 34.34 | 160.51 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | 14 | --- |
| MW2 | 10/19/93 | --- | 194.85 | 36.00 | 158.85 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <3 | --- |
| MW2 | 02/23/94 | --- | 194.85 | 33.92 | 160.93 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <3 | --- |
| MW2 | 06/06/94 | --- | 194.85 | 33.50 | 161.35 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <3 | --- |
| MW2 | 08/18/94 | --- | 194.85 | 35.38 | 159.47 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <3.0 | --- |
| MW2 | 11/15/94 | --- | 194.85 | 35.93 | 158.92 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <3.0 | <100 |
| MW2 | 02/06/95 | --- | 194.85 | 30.38 | 164.47 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- |
| MW2 | 05/10/95 | --- | 194.85 | 30.77 | 164.08 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- |
| MW2 | 09/20/99 | --- | 194.85 | 35.15 | 159.70 | No | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <75 | <0.5 |
| MW2 | Well destroyed in June 2000. | | | | | | | | | | | | | |
| MW3 | 07/15/92 | --- | --- | Well installed. | | | | | | | | | | |
| MW3 | 07/17/92 | --- | 196.90 | 37.24 | 159.66 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | 50 | --- |

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

| Well ID | Sampling Date | Depth (feet) | TOC Elev. (feet) | DTW (feet) | GW Elev. (feet) | NAPL (feet) | TPHg (µg/L) | MTBE (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | Total Pb (µg/L) | Organic Pb (mg/L) |
|------------|------------------------------|--------------|------------------|-----------------|-----------------|-------------|---------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|-------------------|
| MW3 | 10/22/92 | --- | 196.90 | 35.95 | 160.95 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | 9 | --- |
| MW3 | 02/04/93 | --- | 196.90 | 29.85 | 167.05 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <3 | --- |
| MW3 | 05/03/93 | --- | 196.90 | 29.87 | 167.03 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | 3 | --- |
| MW3 | 07/30/93 | --- | 196.90 | 33.85 | 163.05 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | 22 | --- |
| MW3 | 10/19/93 | --- | 196.90 | 35.89 | 161.01 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | 12 | --- |
| MW3 | 02/23/94 | --- | 196.90 | 32.88 | 164.02 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | 25 | --- |
| MW3 | 06/06/94 | --- | 196.90 | 32.40 | 164.50 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <3 | --- |
| MW3 | 08/18/94 | --- | 196.90 | 35.07 | 161.83 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <3.0 | --- |
| MW3 | 11/15/94 | --- | 196.90 | 35.97 | 160.93 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <3.0 | <100 |
| MW3 | 02/06/95 | --- | 196.90 | 28.39 | 168.51 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- |
| MW3 | 05/10/95 | --- | 196.90 | 28.90 | 168.00 | No | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- |
| MW3 | 09/20/99 | --- | 196.90 | 34.68 | 162.22 | No | 75.0 | 1.87 | <0.5 | 11.5 | 1.8 | 18.0 | <75 | <0.5 |
| MW3 | Well destroyed in June 2000. | | | | | | | | | | | | | |
| MW4 | 03/02/09 | --- | --- | Well installed. | | | | | | | | | | |
| MW4 | 03/30/09 | --- | 197.62 | 30.94 | 166.68 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- |
| MW4 | 04/02/09 | --- | 197.62 | Well surveyed. | | | | | | | | | | |
| MW4 | 05/28/09 | --- | 197.62 | 32.00 | 165.62 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- |
| MW4 | 08/31/09 | --- | 197.62 | 35.43 | 162.19 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- |
| MW4 | 12/11/09 | --- | 197.62 | 35.01 | 162.61 | No | <50 | <0.50 | <0.50 | 0.83 | <0.50 | 1.1 | --- | --- |
| MW4 | 05/07/10 | --- | 197.62 | 29.11 | 168.51 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |
| MW4 | 11/01/10 | --- | 197.62 | 34.95 | 162.67 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |
| MW4 | 05/27/11 d | --- | 197.62 | 30.65 | 166.97 | No | --- | --- | --- | --- | --- | --- | --- | --- |
| MW4 | 11/23/11 | --- | 197.62 | 33.49 | 164.13 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |
| MW5 | 03/06/09 | --- | --- | Well installed. | | | | | | | | | | |
| MW5 | 03/30/09 | --- | 196.35 | 30.05 | 166.30 | No | 4,200 | 1,900 | 540 | 140 | <12 | 310 | --- | --- |
| MW5 | 04/02/09 | --- | 196.35 | Well surveyed. | | | | | | | | | | |
| MW5 | 05/28/09 | --- | 196.35 | 31.45 | 164.90 | No | 5,300 | 3,600 | 890 | 150 | <25 | 140 | --- | --- |
| MW5 | 08/31/09 | --- | 196.35 | 34.70 | 161.65 | No | 5,800 | 3,500 | 550 | <100 | <100 | <100 | --- | --- |
| MW5 | 12/11/09 | --- | 196.35 | 34.52 | 161.83 | No | 4,000b | 3,800 | 230 | <100 | <100 | <100 | --- | --- |
| MW5 | 05/07/10 | --- | 196.35 | 30.84 | 165.51 | No | 2,700b | 1,700 | 73 | 5.3 | 3.6 | 6.5 | --- | --- |
| MW5 | 11/01/10 | --- | 196.35 | 33.93 | 162.42 | No | 2,400b | 3,400 | 320 | 71 | 21 | 40 | --- | --- |
| MW5 | 05/27/11 d | --- | 196.35 | 31.65 | 164.70 | No | --- | --- | --- | --- | --- | --- | --- | --- |
| MW5 | 11/23/11 | --- | 196.35 | 32.58 | 163.77 | No | 1,900b | 3,200 | 72 | 2.7 | 3.1 | 8.1 | --- | --- |
| MW6 | 03/09/09 | --- | --- | Well installed. | | | | | | | | | | |

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

| Well ID | Sampling Date | Depth (feet) | TOC Elev. (feet) | DTW (feet) | GW Elev. (feet) | NAPL (feet) | TPHg (µg/L) | MTBE (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | Total Pb (µg/L) | Organic Pb (mg/L) |
|------------|-----------------|--------------|------------------|-----------------|-----------------|-------------|---------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|-------------------|
| MW6 | 03/30/09 | --- | 192.41 | 26.94 | 165.47 | No | 2,800 | 4,800 | 0.91 | <0.50 | <0.50 | <0.50 | --- | --- |
| MW6 | 04/02/09 | --- | 192.41 | Well surveyed. | | | | | | | | | | |
| MW6 | 05/28/09 | --- | 192.41 | 28.04 | 164.37 | No | 2,800 | 6,000 | <100 | <100 | <100 | <100 | --- | --- |
| MW6 | 08/31/09 | --- | 192.41 | 30.57 | 161.84 | No | 4,900 | 6,600 | <100 | <100 | <100 | <100 | --- | --- |
| MW6 | 12/11/09 | --- | 192.41 | 30.78 | 161.63 | No | 4,900b | 6,200 | <100 | <100 | <100 | <100 | --- | --- |
| MW6 | 05/07/10 | --- | 192.41 | 25.42 | 166.99 | No | 2,900b | 3,700 | 2.7 | <0.50 | 0.74c | <1.0 | --- | --- |
| MW6 | 11/01/10 | --- | 192.41 | 30.68 | 161.73 | No | 850b | 6,100 | 2.1 | <0.50 | <0.50 | <1.0 | --- | --- |
| MW6 | 05/27/11 d | --- | 192.41 | 27.07 | 165.34 | No | --- | --- | --- | --- | --- | --- | --- | --- |
| MW6 | 11/23/11 | --- | 192.41 | 29.25 | 163.16 | No | 1,600b | 6,400 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |
| MW7 | 03/09/09 | --- | --- | Well installed. | | | | | | | | | | |
| MW7 | 03/30/09 | --- | 194.34 | 29.15 | 165.19 | No | 55 | 66 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- |
| MW7 | 04/02/09 | --- | 194.34 | Well surveyed. | | | | | | | | | | |
| MW7 | 05/28/09 | --- | 194.34 | 30.16 | 164.18 | No | 50 | 67 | <1.0 | <1.0 | <1.0 | <1.0 | --- | --- |
| MW7 | 08/31/09 | --- | 194.34 | 33.31 | 161.03 | No | <50 | 12 | <0.50 | 0.60 | <0.50 | <0.50 | --- | --- |
| MW7 | 12/11/09 | --- | 194.34 | 32.71 | 161.63 | No | <50 | 31 | 0.78 | 1.7 | 0.62 | 2.4 | --- | --- |
| MW7 | 05/07/10 | --- | 194.34 | 27.54 | 166.80 | No | 510b | 700 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |
| MW7 | 11/01/10 | --- | 194.34 | 32.82 | 161.52 | No | 68b | 140 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |
| MW7 | 05/27/11 d | --- | 194.34 | 28.85 | 165.49 | No | --- | --- | --- | --- | --- | --- | --- | --- |
| MW7 | 11/23/11 | --- | 194.34 | 31.39 | 162.95 | No | 190b | 300 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |
| MW8 | 03/04/09 | --- | --- | Well installed. | | | | | | | | | | |
| MW8 | 03/30/09 | --- | 192.96 | 27.35 | 165.61 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- |
| MW8 | 04/02/09 | --- | 192.96 | Well surveyed. | | | | | | | | | | |
| MW8 | 05/28/09 | --- | 192.96 | 28.72 | 164.24 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- |
| MW8 | 08/31/09 | --- | 192.96 | 31.93 | 161.03 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- |
| MW8 | 12/11/09 | --- | 192.96 | 31.24 | 161.72 | No | <50 | <0.50 | 0.74 | 1.6 | 0.59 | 2.3 | --- | --- |
| MW8 | 05/07/10 | --- | 192.96 | 25.68 | 167.28 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |
| MW8 | 11/01/10 | --- | 192.96 | 31.18 | 161.78 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |
| MW8 | 05/27/11 | --- | 192.96 | 27.55 | 165.41 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |
| MW8 | 11/23/11 | --- | 192.96 | 29.74 | 163.22 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |
| MW9 | 03/05/09 | --- | --- | Well installed. | | | | | | | | | | |
| MW9 | 03/30/09 | --- | 195.16 | 28.31 | 166.85 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- |
| MW9 | 04/02/09 | --- | 195.16 | Well surveyed. | | | | | | | | | | |
| MW9 | 05/28/09 | --- | 195.16 | 29.69 | 165.47 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- |
| MW9 | 08/31/09 | --- | 195.16 | 33.20 | 161.96 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- |

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

| Well ID | Sampling Date | Depth (feet) | TOC Elev. (feet) | DTW (feet) | GW Elev. (feet) | NAPL (feet) | TPHg (µg/L) | MTBE (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | Total Pb (µg/L) | Organic Pb (mg/L) |
|------------|-----------------|--------------|------------------|--------------|-----------------|-------------|---------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|-------------------|
| MW9 | 12/11/09 | --- | 195.16 | 32.62 | 162.54 | No | <50 | <0.50 | 0.73 | 1.7 | 0.54 | 2.2 | --- | --- |
| MW9 | 05/07/10 | --- | 195.16 | 26.59 | 168.57 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |
| MW9 | 11/01/10 | --- | 195.16 | 32.45 | 162.71 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |
| MW9 | 05/27/11 | --- | 195.16 | 29.62 | 165.54 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |
| MW9 | 11/23/11 | --- | 195.16 | 30.56 | 164.60 | No | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |

Grab Groundwater Samples

| | | | | | | | | | | | | | | |
|-----------|----------|-------|-----|-----|-----|-----|--------|--------|-------|-------|-------|-------|-----|-----|
| Pit Water | 06/14/02 | 11.5a | --- | --- | --- | --- | 5,600 | 12,000 | 140 | 840 | 100 | 530 | --- | --- |
| UST Pit | 06/19/02 | 13.5a | --- | --- | --- | --- | 680 | 640 | 2.7 | 36 | 18 | 130 | --- | --- |
| W-38-B11 | 11/14/07 | 38 | --- | --- | --- | --- | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- |
| W-15-B12 | 11/13/07 | 15 | --- | --- | --- | --- | 8,400 | 78 | 67 | <5.0 | 140 | 150 | --- | --- |
| W-40-B13 | 11/12/07 | 40 | --- | --- | --- | --- | <50 | 0.53 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- |
| W-15-B14 | 11/13/07 | 15 | --- | --- | --- | --- | 2,500 | 16 | 1.7 | 3.0 | 26 | 13 | --- | --- |
| W-38-B15 | 11/15/07 | 38 | --- | --- | --- | --- | 18,000 | 12,000 | 3,400 | 2,500 | 330 | 2,000 | --- | --- |
| W-40-B16 | 11/15/07 | 40 | --- | --- | --- | --- | <50 | 7.7 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- |
| W-37-B17 | 11/13/07 | 37 | --- | --- | --- | --- | 630 | 2,200 | 1.8 | <0.50 | 4.1 | 1.4 | --- | --- |
| W-38-B18 | 11/12/07 | 38 | --- | --- | --- | --- | 4,300 | 1,400 | 52 | <12 | 56 | 96 | --- | --- |
| W-35-B19 | 03/03/09 | 35 | --- | --- | --- | --- | 4,400 | 7,100 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |
| W-35-B20 | 03/03/09 | 35 | --- | --- | --- | --- | 640 | 440 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |
| W-35-B21 | 03/03/09 | 35 | --- | --- | --- | --- | <50 | 1.4 | <0.50 | <0.50 | <0.50 | <1.0 | --- | --- |

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

| | | |
|------------|---|---|
| Notes: | = | Data prior to 1999 provided by EA Environmental Science and Engineering in previously submitted reports. |
| TOC Elev. | = | Top of well casing elevation; datum is mean sea level. |
| DTW | = | Depth to water. |
| GW Elev. | = | Groundwater elevation; datum is mean sea level. |
| NAPL | = | Non-aqueous phase liquid. |
| TPHg | = | Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015. |
| MTBE | = | Methyl tertiary butyl ether analyzed using EPA Method 8260. |
| BTEX | = | Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B8020/8021B; during March 2009, analyzed using EPA Method 8020/8021B. |
| Total Pb | = | Total lead analyzed using EPA Method 6010. |
| Organic Pb | = | Organic lead analyzed using CA DHS LUFT method. |
| EDB | = | 1,2-dibromoethane analyzed using EPA Method 8260B. |
| 1,2-DCA | = | 1,2-dichloroethane analyzed using EPA Method 8260B. |
| TAME | = | Tertiary amyl methyl ether analyzed using EPA Method 8260B. |
| TBA | = | Tertiary butyl alcohol analyzed using EPA Method 8260B. |
| ETBE | = | Ethyl tertiary butyl ether analyzed using EPA Method 8260B. |
| DIPE | = | Di-isopropyl ether analyzed using EPA Method 8260B. |
| Ethanol | = | Ethanol analyzed using EPA Method 8260B. |
| µg/L | = | Micrograms per liter. |
| mg/L | = | Milligrams per liter. |
| < | = | Less than the stated laboratory reporting limit. |
| --- | = | Not sampled/Not analyzed/Not measured/Not applicable. |
| a | = | Approximate depth to groundwater surface at time of sampling. |
| b | = | Hydrocarbon pattern does not match the requested fuel. |
| c | = | Analyte presence was not confirmed by second column or GC/MS analysis. |
| d | = | Well inaccessible for sampling. |

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

| Well ID | Sampling Date | Depth (feet) | EDB (µg/L) | 1,2-DCA (µg/L) | TAME (µg/L) | TBA (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Ethanol (µg/L) |
|--------------------------------|------------------------------|--------------|----------------------------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|
| Monitoring Well Samples | | | | | | | | | |
| MW1 | 07/17/92 - 09/20/99 | --- | Not analyzed for these analytes. | | | | | | |
| MW1 | Well destroyed in June 2000. | --- | | | | | | | |
| MW2 | 07/17/92 - 09/20/99 | --- | Not analyzed for these analytes. | | | | | | |
| MW2 | Well destroyed in June 2000. | --- | | | | | | | |
| MW3 | 07/17/92 - 09/20/99 | --- | Not analyzed for these analytes. | | | | | | |
| MW3 | Well destroyed in June 2000. | --- | | | | | | | |
| MW4 | 03/30/09 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW4 | 05/28/09 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW4 | 08/31/09 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW4 | 12/11/09 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW4 | 05/07/10 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW4 | 11/01/10 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW4 | 05/27/11 d | --- | --- | --- | --- | --- | --- | --- | --- |
| MW4 | 11/23/11 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW5 | 03/30/09 | --- | <12 | 17 | <12 | 450 | <12 | <12 | --- |
| MW5 | 05/28/09 | --- | <25 | <25 | <25 | 530 | <25 | <25 | --- |
| MW5 | 08/31/09 | --- | <100 | <100 | <100 | <1,000 | <100 | <100 | --- |
| MW5 | 12/11/09 | --- | <100 | <100 | <100 | 2,000 | <100 | <100 | --- |
| MW5 | 05/07/10 | --- | <25 | <25 | <25 | 400 | <25 | <25 | --- |
| MW5 | 11/01/10 | --- | <50 | <50 | <50 | 1,500 | <50 | <50 | --- |
| MW5 | 05/27/11 d | --- | --- | --- | --- | --- | --- | --- | --- |
| MW5 | 11/23/11 | --- | <50 | <50 | <50 | <500 | <50 | <50 | --- |
| MW6 | 03/30/09 | --- | <0.50 | <0.50 | 1.3 | 410 | <0.50 | 0.82 | --- |
| MW6 | 05/28/09 | --- | <100 | <100 | <100 | <1,000 | <100 | <100 | --- |
| MW6 | 08/31/09 | --- | <100 | <100 | <100 | 1,100 | <100 | <100 | --- |
| MW6 | 12/11/09 | --- | <100 | <100 | <100 | 2,600 | <100 | <100 | --- |
| MW6 | 05/07/10 | --- | <100 | <100 | <100 | <1,000 | <100 | <100 | --- |
| MW6 | 11/01/10 | --- | <50 | <50 | <50 | 2,400 | <50 | <50 | --- |
| MW6 | 05/27/11 d | --- | --- | --- | --- | --- | --- | --- | --- |

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

| Well ID | Sampling Date | Depth (feet) | EDB (µg/L) | 1,2-DCA (µg/L) | TAME (µg/L) | TBA (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Ethanol (µg/L) |
|---------------------------------|-----------------|--------------|-----------------|-----------------|-----------------|------------------|-----------------|-----------------|----------------|
| MW6 | 11/23/11 | --- | <100 | <100 | <100 | <1,000 | <100 | <100 | --- |
| MW7 | 03/30/09 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW7 | 05/28/09 | --- | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | --- |
| MW7 | 08/31/09 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW7 | 12/11/09 | --- | <0.50 | <0.50 | <0.50 | 12 | <0.50 | <0.50 | --- |
| MW7 | 05/07/10 | --- | <0.50 | <0.50 | <0.50 | 130 | <0.50 | <0.50 | --- |
| MW7 | 11/01/10 | --- | <2.5 | <2.5 | <2.5 | 27 | <2.5 | <2.5 | --- |
| MW7 | 05/27/11 d | --- | --- | --- | --- | --- | --- | --- | --- |
| MW7 | 11/23/11 | --- | <5.0 | <5.0 | <5.0 | <50 | <5.0 | <5.0 | --- |
| MW8 | 03/30/09 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW8 | 05/28/09 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW8 | 08/31/09 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW8 | 12/11/09 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW8 | 05/07/10 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW8 | 11/01/10 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW8 | 05/27/11 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW8 | 11/23/11 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW9 | 03/30/09 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW9 | 05/28/09 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW9 | 08/31/09 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW9 | 12/11/09 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW9 | 05/07/10 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW9 | 11/01/10 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW9 | 05/27/11 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| MW9 | 11/23/11 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- |
| Grab Groundwater Samples | | | | | | | | | |
| Pit Water | 06/14/02 | 11.5a | --- | --- | --- | --- | --- | --- | --- |
| UST Pit | 06/19/02 | 13.5a | --- | --- | --- | --- | --- | --- | --- |
| W-38-B11 | 11/14/07 | 38 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <50 |
| W-15-B12 | 11/13/07 | 15 | <5.0 | <5.0 | <5.0 | <100 | <5.0 | <5.0 | <500 |
| W-40-B13 | 11/12/07 | 40 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <50 |

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

| Well ID | Sampling Date | Depth (feet) | EDB (µg/L) | 1,2-DCA (µg/L) | TAME (µg/L) | TBA (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Ethanol (µg/L) |
|----------|---------------|--------------|------------|----------------|-------------|------------|-------------|-------------|----------------|
| W-15-B14 | 11/13/07 | 15 | <1.0 | <1.0 | <1.0 | <20 | <1.0 | <1.0 | <100 |
| W-38-B15 | 11/15/07 | 38 | <25 | <25 | <25 | 1,900 | <25 | <25 | <2,500 |
| W-40-B16 | 11/15/07 | 40 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | 85 |
| W-37-B17 | 11/13/07 | 37 | <0.50 | <0.50 | <0.50 | 58 | <0.50 | <0.50 | <50 |
| W-38-B18 | 11/12/07 | 38 | <12 | <12 | <12 | <250 | <12 | <12 | <1,200 |
| W-35-B19 | 03/03/09 | 35 | <50 | <50 | <50 | <500 | <50 | <50 | <5,000 |
| W-35-B20 | 03/03/09 | 35 | <0.50 | <0.50 | <0.50 | 12 | <0.50 | <0.50 | <50 |
| W-35-B21 | 03/03/09 | 35 | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | <50 |

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

| | | |
|------------|---|---|
| Notes: | = | Data prior to 1999 provided by EA Environmental Science and Engineering in previously submitted reports. |
| TOC Elev. | = | Top of well casing elevation; datum is mean sea level. |
| DTW | = | Depth to water. |
| GW Elev. | = | Groundwater elevation; datum is mean sea level. |
| NAPL | = | Non-aqueous phase liquid. |
| TPHg | = | Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015. |
| MTBE | = | Methyl tertiary butyl ether analyzed using EPA Method 8260. |
| BTEX | = | Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B8020/8021B; during March 2009, analyzed using EPA Method 8020/8021B. |
| Total Pb | = | Total lead analyzed using EPA Method 6010. |
| Organic Pb | = | Organic lead analyzed using CA DHS LUFT method. |
| EDB | = | 1,2-dibromoethane analyzed using EPA Method 8260B. |
| 1,2-DCA | = | 1,2-dichloroethane analyzed using EPA Method 8260B. |
| TAME | = | Tertiary amyl methyl ether analyzed using EPA Method 8260B. |
| TBA | = | Tertiary butyl alcohol analyzed using EPA Method 8260B. |
| ETBE | = | Ethyl tertiary butyl ether analyzed using EPA Method 8260B. |
| DIPE | = | Di-isopropyl ether analyzed using EPA Method 8260B. |
| Ethanol | = | Ethanol analyzed using EPA Method 8260B. |
| µg/L | = | Micrograms per liter. |
| mg/L | = | Milligrams per liter. |
| < | = | Less than the stated laboratory reporting limit. |
| --- | = | Not sampled/Not analyzed/Not measured/Not applicable. |
| a | = | Approximate depth to groundwater surface at time of sampling. |
| b | = | Hydrocarbon pattern does not match the requested fuel. |
| c | = | Analyte presence was not confirmed by second column or GC/MS analysis. |
| d | = | Well inaccessible for sampling. |

TABLE 2A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California
(Page 1 of 6)

| Sample ID | Sampling Date | Depth (feet bgs) | Kerosene (mg/kg) | TPHd (mg/kg) | TPHg (mg/kg) | TPHmo (mg/kg) | EHC-HO (mg/kg) | MTBE (mg/kg) | B (mg/kg) | T (mg/kg) | E (mg/kg) | X (mg/kg) | Lead (mg/kg) | TOG (mg/kg) |
|--|---------------|------------------|------------------|--------------|--------------|---------------|----------------|--------------|-----------|-----------|-----------|-----------|--------------|-------------|
| Used-Oil UST Confirmation Soil Sample | | | | | | | | | | | | | | |
| T1-12 | 06/18/97 | --- | --- | 200b | 8.6a | 680c | --- | --- | ND | 0.038 | 0.016 | 0.046 | --- | --- |
| Hydraulic Hoist Confirmation Samples | | | | | | | | | | | | | | |
| H1-8 | 06/18/97 | --- | --- | --- | --- | --- | 99d | --- | --- | --- | --- | --- | --- | --- |
| H2-8 | 06/18/97 | --- | --- | --- | --- | --- | 2,100d | --- | --- | --- | --- | --- | --- | --- |
| Samples from the UST Cavity Sidewall | | | | | | | | | | | | | | |
| Pit1@12' | 06/14/02 | 12 | --- | --- | <1.0 | --- | --- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | --- | --- |
| Pit2@11.5' | 06/14/02 | 11.5 | --- | --- | <1.0 | --- | --- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | --- | --- |
| Pit3@11' | 06/14/02 | 11 | --- | --- | <1.0 | --- | --- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | --- | --- |
| Pit4@10' | 06/14/02 | 10 | --- | --- | <1.0 | --- | --- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | --- | --- |
| Samples from Beneath Product Piping | | | | | | | | | | | | | | |
| A-6.4 | 06/25/02 | 6.4 | --- | --- | <1.0 | --- | --- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | --- | --- |
| B-4.9 | 06/25/02 | 4.9 | --- | --- | 24 | --- | --- | 0.020 | 0.057 | 0.11 | 0.12 | 1.2 | --- | --- |
| C-6.5 | 06/25/02 | 6.5 | --- | --- | <1.0 | --- | --- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | --- | --- |
| D-5.2 | 06/25/02 | 5.2 | --- | --- | <1.0 | --- | --- | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | --- | --- |
| Soil Borings | | | | | | | | | | | | | | |
| S-1 | 08/28/91 | 10 | --- | --- | <1.0 | --- | --- | --- | <0.005 | <0.005 | <0.005 | <0.005 | <5 | --- |
| S-2 | 08/28/91 | 10 | --- | --- | <1.0 | --- | --- | --- | <0.005 | <0.005 | <0.005 | <0.005 | <5 | --- |
| S-3 | 08/28/91 | 10 | --- | --- | <1.0 | --- | --- | --- | <0.005 | <0.005 | <0.005 | <0.005 | <5 | --- |
| S-4 | 08/28/91 | 10 | --- | --- | 290 | --- | --- | --- | 2.8 | 6.5 | 2 | 27 | <5 | --- |
| S-5 | 08/28/91 | 10 | --- | --- | 3.5 | --- | --- | --- | 0.27 | 0.096 | 0.064 | 0.32 | <5 | --- |
| S-6 | 08/28/91 | 11 | --- | --- | 4.1 | --- | --- | --- | 0.19 | 0.13 | 0.056 | 0.23 | <5 | --- |
| S-7 | 08/28/91 | 3 | --- | --- | 4.0 | --- | --- | --- | 0.66 | 0.040 | 0.11 | 0.13 | <5 | --- |
| S-8 | 08/28/91 | 3 | --- | --- | <1.0 | --- | --- | --- | <0.005 | <0.005 | <0.005 | <0.005 | <5 | --- |
| S-9 | 08/28/91 | 3 | --- | --- | 210 | --- | --- | --- | 1.4 | 7.2 | 3.0 | 18 | <5 | --- |
| S-10 | 08/28/91 | 3 | --- | --- | <1.0 | --- | --- | --- | <0.005 | 0.031 | 0.031 | 0.067 | <5 | --- |
| S-11 | 08/28/91 | 1.5 | --- | --- | <1.0 | --- | --- | --- | <0.005 | <0.005 | <0.005 | <0.005 | <5 | --- |
| S-12 | 08/28/91 | 15 | --- | --- | 3.1 | --- | --- | --- | 0.36 | 0.048 | 0.048 | 0.16 | --- | --- |
| S-13 | 08/28/91 | 15 | --- | --- | 1.8 | --- | --- | --- | 0.26 | 0.008 | 0.008 | 0.041 | --- | --- |
| S-14 | 08/28/91 | 4 | --- | --- | 5.0 | --- | --- | --- | 0.047 | 0.063 | 0.063 | 0.041 | --- | --- |
| S-15 | 08/28/91 | 15 | --- | --- | <1.0 | --- | --- | --- | <0.005 | <0.005 | <0.005 | <0.005 | --- | --- |
| B-1 | 3/20/91 | 15.5 | --- | --- | <1.0 | --- | --- | --- | 0.011 | 0.007 | 0.011 | 0.04 | --- | --- |
| B-1 | 3/20/91 | 20.5 | --- | --- | <1.0 | --- | --- | --- | 0.012 | 0.007 | 0.01 | 0.04 | --- | --- |
| B-2 | 3/20/91 | 15.5 | --- | --- | <1.0 | --- | --- | --- | 0.036 | 0.026 | 0.012 | 0.055 | --- | --- |
| B-2 | 3/20/91 | 20.5 | --- | --- | <1.0 | --- | --- | --- | 0.0073 | 0.0063 | 0.0098 | 0.038 | --- | --- |
| B-3 | 3/20/91 | 10.5 | --- | --- | 1 | --- | --- | --- | 0.006 | 0.006 | 0.008 | 0.036 | --- | --- |

TABLE 2A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California
(Page 2 of 6)

| Sample ID | Sampling Date | Depth (feet bgs) | Kerosene (mg/kg) | TPHd (mg/kg) | TPHg (mg/kg) | TPHmo (mg/kg) | EHC-HO (mg/kg) | MTBE (mg/kg) | B (mg/kg) | T (mg/kg) | E (mg/kg) | X (mg/kg) | Lead (mg/kg) | TOG (mg/kg) |
|------------|---------------|------------------|------------------|--------------|--------------|---------------|----------------|--------------|-----------|-----------|-----------|-----------|--------------|-------------|
| B-3 | 3/20/91 | 15.5 | --- | --- | 440 | --- | --- | --- | 0.7 | 5.4 | 4.7 | 24 | --- | --- |
| B-4 | 3/20/91 | 10.5 | --- | --- | 5 | --- | --- | --- | 0.013 | 0.019 | 0.014 | 0.082 | <5 | --- |
| B-4 | 3/20/91 | 15.5 | --- | --- | 6.6 | --- | --- | --- | 0.039 | 0.043 | 0.027 | 0.12 | --- | --- |
| B-4 | 3/20/91 | 20.5 | --- | --- | <1.0 | --- | --- | --- | 0.0076 | 0.0073 | 0.011 | 0.054 | --- | --- |
| B-5 | 3/20/91 | 10.5 | --- | --- | 26 | --- | --- | --- | 0.055 | 0.061 | 0.17 | 0.67 | --- | --- |
| B-6 | 3/20/91 | 10.5 | --- | --- | 240 | --- | --- | --- | 0.28 | 2.2 | 2.8 | 13 | --- | --- |
| B-6 | 3/20/91 | 15.5 | --- | --- | 1.4 | --- | --- | --- | 0.0055 | 0.0054 | 0.009 | 0.034 | --- | --- |
| B-7 | 3/20/91 | 10.5 | --- | --- | <1.0 | --- | --- | --- | 0.006 | 0.006 | 0.008 | 0.033 | --- | --- |
| B-8 | 3/20/91 | 10.5 | --- | --- | <1.0 | --- | --- | --- | 0.006 | 0.005 | 0.008 | 0.035 | --- | --- |
| B-9 | 3/20/91 | 10.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | <50 |
| B-10 | 3/20/91 | 10.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | <50 |
| S-5-B11 | 09/05/07 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-10-B11 | 09/10/07 | 10 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-13.5-B11 | 09/10/07 | 13.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-18-B11 | 09/11/07 | 18 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-20-B11 | 09/11/07 | 20 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-25.5-B11 | 11/14/07 | 25.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-29.5-B11 | 11/14/07 | 29.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-34.5-B11 | 11/14/07 | 34.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-5-B12 | 09/04/07 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-15.5-B12 | 11/13/07 | 15.5 | --- | --- | 43 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-20.5-B12 | 11/13/07 | 20.5 | --- | --- | 3.2 | --- | --- | 0.15 | 0.076 | <0.0050 | 0.0053 | <0.0050 | --- | --- |
| S-5-B13 | 09/05/07 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-10-B13 | 09/10/07 | 10 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-14.5-B13 | 09/10/07 | 14.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-20-B13 | 09/10/07 | 20 | --- | --- | 4.3 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-25-B13 | 11/12/07 | 25 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-30-B13 | 11/12/07 | 30 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-35-B13 | 11/12/07 | 35 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-5.0-B14 | 09/06/07 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-16-B14 | 11/13/07 | 16 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-20.5-B14 | 11/13/07 | 20.5 | --- | --- | <0.50 | --- | --- | 0.031 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |

TABLE 2A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California
(Page 3 of 6)

| Sample ID | Sampling Date | Depth (feet bgs) | Kerosene (mg/kg) | TPHd (mg/kg) | TPHg (mg/kg) | TPHmo (mg/kg) | EHC-HO (mg/kg) | MTBE (mg/kg) | B (mg/kg) | T (mg/kg) | E (mg/kg) | X (mg/kg) | Lead (mg/kg) | TOG (mg/kg) |
|------------|---------------|------------------|------------------|--------------|--------------|---------------|----------------|--------------|-----------|-----------|-----------|-----------|--------------|-------------|
| S-5-B15 | 09/04/07 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-10.5-B15 | 11/15/07 | 10.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-15.5-B15 | 11/15/07 | 15.5 | --- | --- | 1.1 | --- | --- | 0.12 | 0.32 | 0.019 | 0.017 | 0.074 | --- | --- |
| S-20-B15 | 11/15/07 | 20 | --- | --- | 300 | --- | --- | <0.25 | 6.1 | 36 | 14 | 72 | --- | --- |
| S-25.5-B15 | 11/15/07 | 25.5 | --- | --- | 220 | --- | --- | <0.12 | 3.1 | 18 | 6.8 | 36 | --- | --- |
| S-30.5-B15 | 11/15/07 | 30.5 | --- | --- | 59 | --- | --- | <0.25 | 2.9 | 5.6 | 1.5 | 20 | --- | --- |
| S-35.5-B15 | 11/15/07 | 35.5 | --- | --- | 3.3 | --- | --- | 0.26 | 0.28 | 0.21 | 0.26 | 0.79 | --- | --- |
| S-5-B16 | 09/04/07 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-11-B16 | 11/14/07 | 11 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-15.5-B16 | 11/14/07 | 15.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-21-B16 | 11/14/07 | 21 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-26-B16 | 11/14/07 | 26 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-30.5-B16 | 11/14/07 | 30.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-34.5-B16 | 11/14/07 | 34.5 | --- | --- | <0.50 | --- | --- | 0.021 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-38.5-B16 | 11/14/07 | 38.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-5-B17 | 09/05/07 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-11-B17 | 11/13/07 | 11 | --- | --- | 90 | --- | --- | 0.036 | 0.052 | <0.0050 | 0.086 | 0.020 | --- | --- |
| S-16-B17 | 11/13/07 | 16 | --- | --- | <0.50 | --- | --- | 0.099 | 0.0052 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-21-B17 | 11/13/07 | 21 | --- | --- | <0.50 | --- | --- | 0.011 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-24.5-B17 | 11/13/07 | 24.5 | --- | --- | <0.50 | --- | --- | 0.59 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-31-B17 | 11/13/07 | 31 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-35.5-B17 | 11/13/07 | 35.5 | --- | --- | 0.85 | --- | --- | 1.7 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-5-B18 | 09/04/07 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-10-B18 | 11/12/07 | 10 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-15-B18 | 11/12/07 | 15 | --- | --- | <0.50 | --- | --- | 0.0051 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-20-B18 | 11/12/07 | 20 | --- | --- | <0.50 | --- | --- | 0.019 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-25-B18 | 11/12/07 | 25 | --- | --- | <0.50 | --- | --- | 0.18 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-30-B18 | 11/12/07 | 30 | --- | --- | <0.50 | --- | --- | 0.54 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-35-B18 | 11/12/07 | 35 | --- | --- | 24 | --- | --- | 0.53 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-5-B19 | 02/25/09 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-10-B19 | 03/02/09 | 10 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-15.5-B19 | 03/03/09 | 15.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-20.5-B19 | 03/03/09 | 20.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-25.5-B19 | 03/03/09 | 25.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-30.5-B19 | 03/03/09 | 30.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-35.5-B19 | 03/03/09 | 35.5 | --- | --- | <0.50 | --- | --- | 0.51 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-39.5-B19 | 03/03/09 | 39.5 | --- | --- | <0.50 | --- | --- | 0.048 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |

TABLE 2A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California
(Page 4 of 6)

| Sample ID | Sampling Date | Depth (feet bgs) | Kerosene (mg/kg) | TPHd (mg/kg) | TPHg (mg/kg) | TPHmo (mg/kg) | EHC-HO (mg/kg) | MTBE (mg/kg) | B (mg/kg) | T (mg/kg) | E (mg/kg) | X (mg/kg) | Lead (mg/kg) | TOG (mg/kg) |
|--------------------------------------|---------------|------------------|------------------|--------------|--------------|---------------|----------------|--------------|-----------|-----------|-----------|-----------|--------------|-------------|
| S-5-B20 | 02/25/09 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-10.5-B20 | 03/03/09 | 10.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-15.0-B20 | 03/03/09 | 15.0 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-20.5-B20 | 03/03/09 | 20.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-25.5-B20 | 03/03/09 | 25.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-30.5-B20 | 03/03/09 | 30.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-35.5-B20 | 03/03/09 | 35.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-39.5-B20 | 03/03/09 | 39.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-5-B21 | 02/25/09 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-10.5-B21 | 03/04/09 | 10.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-15-B21 | 03/04/09 | 15 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-20.5-B21 | 03/04/09 | 20.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-25.5-B21 | 03/04/09 | 25.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-30.5-B21 | 03/04/09 | 30.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-35.5-B21 | 03/04/09 | 35.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-39.5-B21 | 03/04/09 | 39.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| Monitoring and Recovery Wells | | | | | | | | | | | | | | |
| MW1 | 07/14/92 | 8 | --- | --- | <1.0 | --- | --- | --- | <0.0050 | <0.0050 | <0.0050 | 0.0064 | <10 | --- |
| MW2 | 07/14/92 | 29.5 | --- | --- | <1.0 | --- | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <10 | --- |
| MW3 | 07/14/92 | 28 | --- | --- | <1.0 | --- | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <10 | --- |
| MW4 | 07/14/92 | 29.5 | --- | --- | <1.0 | --- | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <10 | --- |
| S-5-MW4 | 02/25/09 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-10.5-MW4 | 03/02/09 | 10.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-15.5-MW4 | 03/02/09 | 15.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-20.5-MW4 | 03/02/09 | 20.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-25.5-MW4 | 03/02/09 | 25.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-30.5-MW4 | 03/02/09 | 30.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-35.5-MW4 | 03/02/09 | 35.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-40-MW4 | 03/02/09 | 40 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-44.5-MW4 | 03/02/09 | 44.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-5-MW5 | 02/27/09 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-10-MW5 | 03/05/09 | 10 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-15-MW5 | 03/05/09 | 15 | --- | --- | 0.70 | --- | --- | 0.036 | 0.22 | 0.022 | 0.071 | 0.31 | --- | --- |
| S-20-MW5 | 03/05/09 | 20 | --- | --- | 260 | --- | --- | <5.0 | 5.4 | 19 | 11 | 63 | --- | --- |
| S-25-MW5 | 03/06/09 | 25 | --- | --- | 41 | --- | --- | <0.50 | <0.0050 | 0.069 | 0.15 | 0.75 | --- | --- |
| S-30-MW5 | 03/06/09 | 30 | --- | --- | 0.91 | --- | --- | <0.50 | 0.14 | 0.0061 | 0.011 | 0.036 | --- | --- |
| S-35-MW5 | 03/06/09 | 35 | --- | --- | 5.4 | --- | --- | <0.50 | <0.050 | 3.9 | 1.5 | 15 | --- | --- |

TABLE 2A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California
(Page 5 of 6)

| Sample ID | Sampling Date | Depth (feet bgs) | Kerosene (mg/kg) | TPHd (mg/kg) | TPHg (mg/kg) | TPHmo (mg/kg) | EHC-HO (mg/kg) | MTBE (mg/kg) | B (mg/kg) | T (mg/kg) | E (mg/kg) | X (mg/kg) | Lead (mg/kg) | TOG (mg/kg) |
|------------|---------------|------------------|------------------|--------------|--------------|---------------|----------------|--------------|-----------|-----------|-----------|-----------|--------------|-------------|
| S-39.5-MW5 | 03/06/09 | 39.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-5-MW6 | 02/27/09 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-10-MW6 | 03/09/09 | 10 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-15.5-MW6 | 03/09/09 | 15.5 | --- | --- | <0.50 | --- | --- | 0.011 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-20.5-MW6 | 03/09/09 | 20.5 | --- | --- | <0.50 | --- | --- | 0.015 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-25.5-MW6 | 03/09/09 | 25.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-30.5-MW6 | 03/09/09 | 30.5 | --- | --- | <0.50 | --- | --- | 0.063 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-35.5-MW6 | 03/09/09 | 35.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-39.5-MW6 | 03/09/09 | 39.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-5-MW7 | 02/27/09 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-10.5-MW7 | 03/09/09 | 10.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-15.5-MW7 | 03/09/09 | 15.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-20.5-MW7 | 03/09/09 | 20.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-25.5-MW7 | 03/09/09 | 25.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-30.5-MW7 | 03/09/09 | 30 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-35.5-MW7 | 03/09/09 | 35.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-39.5-MW7 | 03/09/09 | 39.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-5-MW8 | 02/25/09 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-10.5-MW8 | 03/04/09 | 10.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-15.5-MW8 | 03/04/09 | 15.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-20.5-MW8 | 03/04/09 | 20.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-25.5-MW8 | 03/04/09 | 25.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-30.5-MW8 | 03/04/09 | 30.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-35.5-MW8 | 03/04/09 | 35.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-39.5-MW8 | 03/04/09 | 39.5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-5-MW9 | 02/25/09 | 5 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-10-MW9 | 03/05/09 | 10 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-15-MW9 | 03/05/09 | 15 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-20-MW9 | 03/05/09 | 20 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-25-MW9 | 03/05/09 | 25 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-30-MW9 | 03/05/09 | 30 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-35-MW9 | 03/05/09 | 35 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-40-MW9 | 03/05/09 | 40 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | --- | --- |
| S-5.0-RW1 | 12/22/11 | 5.0 | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-15.0-RW1 | 12/22/11 | 15.0 | --- | --- | 1.3e | --- | --- | 0.0053 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-25.0-RW1 | 12/22/11 | 25.0 | --- | --- | 6.5e | --- | --- | 0.0066g | <0.0050 | <0.0050 | <0.0050 | 0.029 | --- | --- |
| S-28.0-RW1 | 12/22/11 | 28.0 | --- | --- | 27e | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |

TABLE 2A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California
(Page 6 of 6)

| Sample ID | Sampling Date | Depth (feet bgs) | Kerosene (mg/kg) | TPHd (mg/kg) | TPHg (mg/kg) | TPHmo (mg/kg) | EHC-HO (mg/kg) | MTBE (mg/kg) | B (mg/kg) | T (mg/kg) | E (mg/kg) | X (mg/kg) | Lead (mg/kg) | TOG (mg/kg) |
|-------------------------------|---------------|------------------|------------------|--------------|--------------|---------------|----------------|--------------|-----------|-----------|-----------|-----------|--------------|-------------|
| S-31.0-RW1 | 12/22/11 | 31.0 | --- | --- | 1.7 | --- | --- | 0.50 | <0.0050 | 0.0072 | <0.0050 | 0.096 | --- | --- |
| S-32.5-RW1 | 12/22/11 | 32.5 | --- | --- | 0.95 | --- | --- | 0.72 | <0.0050 | <0.0050 | <0.0050 | 0.0087 | --- | --- |
| S-34.0-RW1 | 12/22/11 | 34.0 | --- | --- | 2.3e | --- | --- | 0.94 | <0.0050 | <0.0050 | <0.0050 | 0.0053 | --- | --- |
| S-37.0-RW1 | 12/22/11 | 37.0 | --- | --- | 420 | --- | --- | <0.50 | <0.50 | <0.50 | 0.88 | 10 | --- | --- |
| S-38.5-RW1 | 12/22/11 | 38.5 | --- | --- | <0.50 | --- | --- | 0.0071 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| S-40.0-RW1 | 12/22/11 | 40.0 | --- | --- | 440 | --- | --- | <1.0 | <1.0 | <1.0 | 2.1 | 29 | --- | --- |
| Soil Stockpile Samples | | | | | | | | | | | | | | |
| SP-1(S-SP1-S-SP4) | 09/12/07 | --- | --- | --- | <0.10 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 7.2 | --- |
| SP(1-4) | 06/18/97 | --- | --- | 47b | ND | 150c | --- | --- | ND | ND | ND | ND | 8.7 | --- |
| SP-2 | 03/09/09 | --- | --- | --- | <0.50 | --- | --- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.010 | 5.83 | --- |
| S-SP1 (1,2,3,4) | 12/22/11 | --- | 8.0 | <5.0 | 40 | <25 | --- | <0.50 | 0.0068 | 0.012 | 0.048 | 0.46 | 4.50 | --- |

- Notes:
- Kerosene = Kerosene analyzed using EPA Method 8015B.
 - TPHg = Total petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015M.
 - MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8021B/8260B
 - BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B/8260B.
 - Lead = Lead analyzed using EPA Method 6010B.
 - TOG = Total oil and grease.
 - 1,2-DCA = 1,2-dichloroethane analyzed using EPA Method 8260B.
 - EDB = 1,2-dibromoethane 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.
 - Ethanol = Ethanol analyzed using EPA Method 8260B.
 - Add'l SVOCs = Additional semi-volatile organic compounds.
 - HVOCs = Halogenated volatile organic compounds analyzed using EPA Method 8260B.
 - feet bgs = Feet below ground surface.
 - mg/kg = Milligrams per kilogram.
 - ND = Not detected at or above the laboratory reporting limit.
 - < = Less than the stated laboratory reporting limit.
 - = Not analyzed/Not applicable.
 - a = Unidentified C8-C12.
 - b = Unidentified C9-C24.
 - c = Unidentified C16-C36.
 - d = Unidentified C16-C40.
 - e = Hydrocarbon pattern does not match that of the specified standard.
 - f = 1.1 mg/kg 1,2,4-trimethylbenzene; 0.16 mg/kg 1,3,5-trimethylbenzene; 0.022 mg/kg isopropyltoluene; 0.078 mg/kg naphthalene; 0.059 mg/kg n-Butylbenzene; 0.091 mg/kg n-Propylbenzene; 0.0070 p-Isopropyltoluene; 0.012 sec-Butylbenzene.
 - g = Compound did not meet method-described identification guidelines. Identification was based on additional GM/MS characteristics.

TABLE 2B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS

Former Exxon Service Station 70234
 3450 35th Avenue
 Oakland, California
 (Page 2 of 5)

| Sample ID | Sampling Date | Depth (feet bgs) | 1,2-DCA (mg/kg) | EDB (mg/kg) | TBA (mg/kg) | DIPE (mg/kg) | ETBE (mg/kg) | TAME (mg/kg) | Ethanol (mg/kg) | VOCs (mg/kg) | SVOCs (mg/kg) | HVOCs (mg/kg) | Cadmium (mg/kg) | Chromium (mg/kg) | Nickel (mg/kg) | Zinc (mg/kg) |
|------------|---------------|------------------|-----------------|-------------|-------------|--------------|--------------|--------------|-----------------|--------------|---------------|---------------|-----------------|------------------|----------------|--------------|
| S-20-B15 | 11/15/07 | 20 | <0.25 | <0.25 | <2.5 | <0.50 | <0.50 | <0.50 | <12 | --- | --- | --- | --- | --- | --- | --- |
| S-25.5-B15 | 11/15/07 | 25.5 | <0.12 | <0.12 | <1.2 | <0.25 | <0.25 | <0.25 | <6.2 | --- | --- | --- | --- | --- | --- | --- |
| S-30.5-B15 | 11/15/07 | 30.5 | <0.25 | <0.25 | <2.5 | <0.50 | <0.50 | <0.50 | <12 | --- | --- | --- | --- | --- | --- | --- |
| S-35.5-B15 | 11/15/07 | 35.5 | <0.0050 | <0.0050 | 0.25 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-5-B16 | 09/04/07 | 5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-11-B16 | 11/14/07 | 11 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-15.5-B16 | 11/14/07 | 15.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-21-B16 | 11/14/07 | 21 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-26-B16 | 11/14/07 | 26 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-30.5-B16 | 11/14/07 | 30.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-34.5-B16 | 11/14/07 | 34.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-38.5-B16 | 11/14/07 | 38.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-5-B117 | 09/05/07 | 5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-11-B17 | 11/13/07 | 11 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-16-B17 | 11/13/07 | 16 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-21-B17 | 11/13/07 | 21 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-24.5-B17 | 11/13/07 | 24.5 | <0.0050 | <0.0050 | 0.20 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-31-B17 | 11/13/07 | 31 | <0.0050 | <0.0050 | 0.15 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-35.5-B17 | 11/13/07 | 35.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-5-B18 | 09/04/07 | 5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-10-B18 | 11/12/07 | 10 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-15-B18 | 11/12/07 | 15 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-20-B18 | 11/12/07 | 20 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-25-B18 | 11/12/07 | 25 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-30-B18 | 11/12/07 | 30 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-35-B18 | 11/12/07 | 35 | <0.0050 | <0.0050 | 0.70 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-5-B19 | 02/25/09 | 5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-10-B19 | 03/02/09 | 10 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-15.5-B19 | 03/03/09 | 15.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-20.5-B19 | 03/03/09 | 20.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-25.5-B19 | 03/03/09 | 25.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-30.5-B19 | 03/03/09 | 30.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-35.5-B19 | 03/03/09 | 35.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-39.5-B19 | 03/03/09 | 39.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-5-B20 | 02/25/09 | 5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-10.5-B20 | 03/03/09 | 10.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-15.0-B20 | 03/03/09 | 15.0 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-20.5-B20 | 03/03/09 | 20.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |

TABLE 2B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California
(Page 3 of 5)

| Sample ID | Sampling Date | Depth (feet bgs) | 1,2-DCA (mg/kg) | EDB (mg/kg) | TBA (mg/kg) | DIPE (mg/kg) | ETBE (mg/kg) | TAME (mg/kg) | Ethanol (mg/kg) | VOCs (mg/kg) | SVOCs (mg/kg) | HVOCs (mg/kg) | Cadmium (mg/kg) | Chromium (mg/kg) | Nickel (mg/kg) | Zinc (mg/kg) |
|--------------------------------------|---------------|------------------|-----------------|-------------|-------------|--------------|--------------|--------------|-----------------|--------------|---------------|---------------|-----------------|------------------|----------------|--------------|
| S-25.5-B20 | 03/03/09 | 25.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-30.5-B20 | 03/03/09 | 30.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-35.5-B20 | 03/03/09 | 35.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-39.5-B20 | 03/03/09 | 39.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-5-B21 | 02/25/09 | 5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-10.5-B21 | 03/04/09 | 10.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-15-B21 | 03/04/09 | 15 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-20.5-B21 | 03/04/09 | 20.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-25.5-B21 | 03/04/09 | 25.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-30.5-B21 | 03/04/09 | 30.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-35.5-B21 | 03/04/09 | 35.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-39.5-B21 | 03/04/09 | 39.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| Monitoring and Recovery Wells | | | | | | | | | | | | | | | | |
| MW1 | 07/14/92 | 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW2 | 07/14/92 | 29.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 07/14/92 | 28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW4 | 07/14/92 | 29.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S-5-MW4 | 02/25/09 | 5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-10.5-MW4 | 03/02/09 | 10.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-15.5-MW4 | 03/02/09 | 15.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-20.5-MW4 | 03/02/09 | 20.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-25.5-MW4 | 03/02/09 | 25.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-30.5-MW4 | 03/02/09 | 30.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-35.5-MW4 | 03/02/09 | 35.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-40-MW4 | 03/02/09 | 40 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-44.5-MW4 | 03/02/09 | 44.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-5-MW5 | 02/27/09 | 5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-10-MW5 | 03/05/09 | 10 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-15-MW5 | 03/05/09 | 15 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-20-MW5 | 03/05/09 | 20 | <5.0 | <5.0 | <50 | <10 | <10 | <10 | <250 | --- | --- | --- | --- | --- | --- | --- |
| S-25-MW5 | 03/06/09 | 25 | <0.50 | <0.50 | <5.0 | <1.0 | <1.0 | <1.0 | <25 | --- | --- | --- | --- | --- | --- | --- |
| S-30-MW5 | 03/06/09 | 30 | <0.50 | <0.50 | <5.0 | <1.0 | <1.0 | <1.0 | <25 | --- | --- | --- | --- | --- | --- | --- |
| S-35-MW5 | 03/06/09 | 35 | <0.50 | <0.50 | <5.0 | <1.0 | <1.0 | <1.0 | <25 | --- | --- | --- | --- | --- | --- | --- |
| S-39.5-MW5 | 03/06/09 | 39.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-5-MW6 | 02/27/09 | 5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-10-MW6 | 03/09/09 | 10 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-15.5-MW6 | 03/09/09 | 15.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |
| S-20.5-MW6 | 03/09/09 | 20.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | --- | --- | --- | --- | --- |

TABLE 2B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California
(Page 5 of 5)

| Sample ID | Sampling Date | Depth (feet bgs) | 1,2-DCA (mg/kg) | EDB (mg/kg) | TBA (mg/kg) | DIPE (mg/kg) | ETBE (mg/kg) | TAME (mg/kg) | Ethanol (mg/kg) | VOCs (mg/kg) | SVOCs (mg/kg) | HVOCs (mg/kg) | Cadmium (mg/kg) | Chromium (mg/kg) | Nickel (mg/kg) | Zinc (mg/kg) |
|------------|---------------|------------------|-----------------|-------------|-------------|--------------|--------------|--------------|-----------------|--------------|---------------|---------------|-----------------|------------------|----------------|--------------|
| S-37.0-RW1 | 12/22/11 | 37.0 | <0.50 | <0.50 | <5.0 | <1.0 | <1.0 | <1.0 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-38.5-RW1 | 12/22/11 | 38.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- | --- | --- | --- | --- | --- | --- | --- |
| S-40.0-RW1 | 12/22/11 | 40.0 | <1.0 | <1.0 | <10 | <2.0 | <2.0 | <2.0 | --- | --- | --- | --- | --- | --- | --- | --- |

Soil Stockpile Samples

| | | | | | | | | | | | | | | | | |
|-------------------|----------|-----|---------|---------|--------|---------|---------|---------|-------|-----|-----|-----|-----|-----|-----|-----|
| SP-1(S-SP1-S-SP4) | 09/12/07 | --- | <0.0050 | <0.0050 | <0.020 | <0.0050 | <0.0050 | <0.0050 | --- | --- | --- | --- | --- | --- | --- | --- |
| SP(1-4) | 06/18/97 | --- | --- | --- | --- | --- | --- | --- | --- | ND | ND | --- | ND | 55 | 53 | 43 |
| SP-2 | 03/09/09 | --- | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 | --- | --- | ND | --- | --- | --- | --- |
| S-SP1 (1,2,3,4) | 12/22/11 | --- | <0.0050 | <0.0050 | 0.076 | <0.010 | <0.010 | <0.010 | --- | f | --- | --- | --- | --- | --- | --- |

Notes:

| | | |
|-------------|---|---|
| Kerosene | = | Kerosene analyzed using EPA Method 8015B. |
| TPHg | = | Total petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015M. |
| MTBE | = | Methyl tertiary butyl ether analyzed using EPA Method 8021B/8260B |
| BTEX | = | Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B/8260B. |
| Lead | = | Lead analyzed using EPA Method 6010B. |
| TOG | = | Total oil and grease. |
| 1,2-DCA | = | 1,2-dichloroethane analyzed using EPA Method 8260B. |
| EDB | = | 1,2-dibromoethane 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. |
| Ethanol | = | Ethanol analyzed using EPA Method 8260B. |
| Add'l SVOCs | = | Additional semi-volatile organic compounds. |
| HVOCs | = | Halogenated volatile organic compounds analyzed using EPA Method 8260B. |
| feet bgs | = | Feet below ground surface. |
| mg/kg | = | Milligrams per kilogram. |
| ND | = | Not detected at or above the laboratory reporting limit. |
| < | = | Less than the stated laboratory reporting limit. |
| --- | = | Not analyzed/Not applicable. |
| a | = | Unidentified C8-C12. |
| b | = | Unidentified C9-C24. |
| c | = | Unidentified C16-C36. |
| d | = | Unidentified C16-C40. |
| e | = | Hydrocarbon pattern does not match that of the specified standard. |
| f | = | 1.1 mg/kg 1,2,4-trimethylbenzene; 0.16 mg/kg 1,3,5-trimethylbenzene; 0.022 mg/kg isopropyltoluene; 0.078 mg/kg naphthalene; 0.059 mg/kg n-Butylbenzene; 0.091 mg/kg n-Propylbenzene; 0.0070 p-Isopropyltoluene; 0.012 sec-Butylbenzene. |
| g | = | Compound did not meet method-described identification guidelines. Identification was based on additional GM/MS characteristics. |

TABLE 3
WELL CONSTRUCTION DETAILS
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

| Well ID | Well Installation Date | Well Destruction 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 | 07/15/92 | Jun-00 | 192.00 | 11 | 45 | 45 | 4 | Schedule 40 PVC | 25-45 | 0.010 | 23-45 | 2/12 Lonestar Sand |
| MW2 | 07/15/92 | Jun-00 | 194.85 | 11 | 45 | 45 | 4 | Schedule 40 PVC | 25-45 | 0.010 | 23-45 | 2/12 Lonestar Sand |
| MW3 | 07/15/92 | Jun-00 | 196.90 | 11 | 45 | 45 | 4 | Schedule 40 PVC | 25-45 | 0.010 | 23-45 | 2/12 Lonestar Sand |
| MW4 | 03/02/09 | --- | 197.62 | 8 | 45 | 45 | 2 | PVC | 35-45 | 0.2 | 33-45 | #3 Sand |
| MW5 | 03/06/09 | --- | 196.35 | 8 | 40 | 40 | 2 | PVC | 30-40 | 0.2 | 28-40 | #3 Sand |
| MW6 | 03/09/09 | --- | 192.41 | 8 | 40 | 39 | 2 | PVC | 29-39 | 0.2 | 27-39 | #3 Sand |
| MW7 | 03/09/09 | --- | 194.34 | 8 | 40 | 40 | 2 | PVC | 30-40 | 0.2 | 28-40 | #3 Sand |
| MW8 | 03/04/09 | --- | 192.96 | 8 | 40 | 40 | 2 | PVC | 30-40 | 0.2 | 28-40 | #3 Sand |
| MW9 | 03/05/09 | --- | 195.16 | 8 | 40 | 40 | 2 | PVC | 30-40 | 0.2 | 28-40 | #3 Sand |
| RW1 | 12/22/11 | --- | 195.15 | 10 | 40 | 40 | 4 | Stainless Steel | 25-39.5 | 0.020 | 23-40 | #2/12 Sand |

Notes:

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

APPENDIX A

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 B

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: 12/13/2011 By jamesy

Permit Numbers: W2011-0756
Permits Valid from 12/15/2011 to 02/15/2012

Application Id: 1323718584232
Site Location: 3450 35th Avenue, Oakland, CA
Project Start Date: 12/15/2011
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

City of Project Site: Oakland

Completion Date: 02/15/2012

Applicant: Cardno ERI - Nadya Vicente
601 N McDowell Blvd., Petaluma, CA 94954
Property Owner: The Valero Co.
PO Box 696000, San Antonio, TX 78269
Client: ExxonMobil Corp
4096 Piedmont Ave, #194, Oakland, CA 94611

Phone: 707-766-2000

Phone: 210-345-4663

Phone: 510-547-8196

Total Due: \$397.00
Total Amount Paid: \$397.00
Payer Name : Environmental Solutions Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 1 Wells
Driller: Cascade - Lic #: 938110 - Method: hstem

Work Total: \$397.00

Specifications

| Permit # | Issued Date | Expire Date | Owner Well Id | Hole Diam. | Casing Diam. | Seal Depth | Max. Depth |
|------------|-------------|-------------|---------------|------------|--------------|------------|------------|
| W2011-0756 | 12/13/2011 | 03/14/2012 | RW1 | 10.00 in. | 2.00 in. | 22.00 ft | 40.00 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

Alameda County Public Works Agency - Water Resources Well Permit

mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.

5. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
 6. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
 7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.
 8. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.
 10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
-

Jennifer L. Hauver

From: Miller, Steve <stevem@acpwa.org>
Sent: Tuesday, December 13, 2011 4:56 PM
To: Jennifer L. Hauver
Cc: Nadya Vicente; Vincent Battaglia
Subject: RE: Grout Inspection - 3450 35th Ave., Oakland, CA

Hi Jennifer,

We're all set!

Thanks,
Steve

From: Jennifer L. Hauver [mailto:jennifer.hauver@cardno.com]
Sent: Tuesday, December 13, 2011 11:52 AM
To: Miller, Steve
Cc: Nadya Vicente; Vincent Battaglia
Subject: Grout Inspection - 3450 35th Ave., Oakland, CA

Hello,

I need to schedule a grout inspection for the 3450 35th Ave., Oakland on Thursday, 12/22/2011 at 11:00am.

Please see below for info.

Thank you,

Jennifer Hauver

Staff Scientist

Cardno ERI

601 North McDowell Blvd., Petaluma, CA 94954

Phone: 707 766 2000 **Extension:** 122029 **Mobile:** 707 280 8042 **Fax:** 707 789 0414

From: Nadya Vicente
Sent: Tuesday, December 13, 2011 11:29 AM
To: Vincent Battaglia; Jennifer L. Hauver
Subject: FW: Alameda County Well Permit Approval Notification

Nadya Vicente

Staff Geologist

Cardno ERI

601 North McDowell Blvd., Petaluma, CA 94954

Phone: 707 766 2000 **Direct:** 707 766 2015 **Mobile:** 707 280 7487 **Fax:** 707 789 0414

From: wells@acpwa.org [mailto:wells@acpwa.org]
Sent: Tuesday, December 13, 2011 11:27 AM
To: Nadya Vicente
Cc: shay.wideman@valero.com; jennifer.c.sediachek@exxonmobil.com; Janice Jacobson
Subject: Alameda County Well Permit Approval Notification

Thank you for your Online Request for Wells Permits.
Your Application Id is: 1323718584232
Application submitted on: 12/12/2011
Project Site City/Location: Oakland / 3450 35th Avenue, Oakland, CA
Project Start Date: 12/15/2011 Completion Date: 02/15/2012

Your Permit Application has been approved.
Permit Number(s) Issued: W2011-0756 Valid from 12/15/2011 to 02/15/2012

Inspection is **REQUIRED**.

To avoid possible delay of your project, you must contact your assigned inspector, **Steve Miller** at **stevem@acpwa.org** or (510) 670-5517, no later than 5 days before **the Project Start Date listed on your permit** to schedule your inspection.

The attached PDF file serves as your receipt and permit(s), please print for your record.
Note: You need to have the free Adobe Reader to open the pdf file.

Conditions of Permit:

Please follow instructions stated on our website.

In addition, you must comply with all specific conditions listed in your permit.

If you need further assistance regarding your permit, please visit our website at: <http://www.acgov.org/pwa/wells/> or contact us at wells@acpwa.org, and include your application id number.

Thank you,
Public Works Agency-Water Resources

APPENDIX C

BORING LOGS

UNIFIED SOIL CLASSIFICATION SYSTEM

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

SAMPLE CONDITION



NO RECOVERY



SAMPLED INTERVAL



DESCRIBED SAMPLE



PRESERVED SAMPLE



GROUNDWATER LEVEL OBSERVED FROM FIRST WET SOIL SAMPLE IN BORING



STATIC GROUNDWATER LEVEL

OVM

ORGANIC VAPOR METER READING IN PARTS PER MILLION BY VOLUME

PID

PHOTO-IONIZATION DETECTOR READING IN PARTS PER MILLION BY VOLUME

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

WELL DESIGN



SAND PACK



BENTONITE ANNULAR SEAL



NEAT CEMENT ANNULAR SEAL



BLANK CASING



SLOTTED CASING

NR

NOT RECORDED

NA

NOT ANALYZED

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

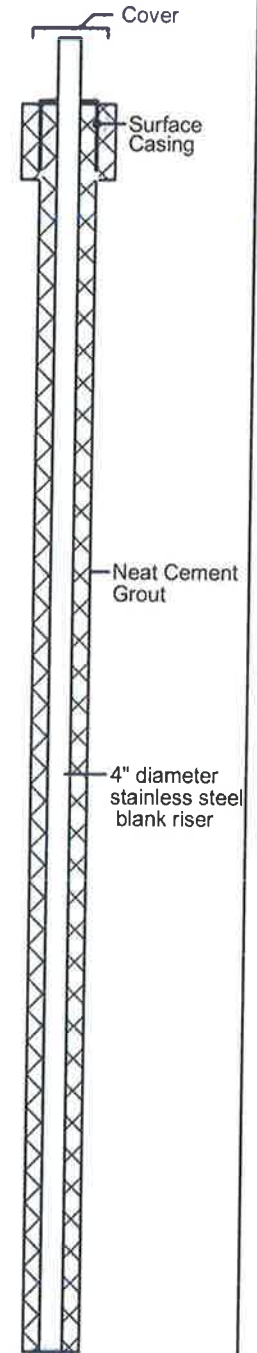
Date Drilled: : 12/22/2011
 Drilling Co.: : Cascade Drilling
 Drilling Method: : Hollow Stem Auger
 Sampling Method: : Split Spoon
 Borehole Diameter: : 10"
 Casing Diameter: : 4"
 Location N-S : 2115521.4
 Location E-W : 6069882.6
 Total Depth: : 40 fbgs
 First GW Depth: : 29 fbgs

Project No.: : Former Exxon Service Station 70234
 Site: : 3450 35th Avenue, Oakland, CA
 Logged By: : Vincent T. Battaglia
 Reviewed By: : David R. Daniels, P.G. 8737
 Signature: : *[Signature]*

| Depth (ft) | Blow Count | OVM/PIID (ppmv) | Sample | Column | USCS | Sample Condition | Water Levels |
|------------|------------|-----------------|--------|--------|------|---|---|
| | | | | | | <input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Interval Not Sampled <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample | <input type="checkbox"/> After Completion: 32.08 fbgs <input checked="" type="checkbox"/> During drilling: 29 fbgs |

Well: RW1
TOC Elev.: 195.15

| DESCRIPTION | | | | | |
|-------------|----------------|-----|--|----|--|
| 0 | | | | | 6-inches of Concrete |
| | | | | GP | GRAVEL (FILL): gray, dry, poorly graded, rounded (0,0,0,100) |
| | | | | SP | SAND with Gravel and Clay: fine-to coarse-grained, brown, damp, poorly graded, subangular, fine gravel, subangular gravel (10,0,75,15) |
| 5 | 4.0 | | | | Cleared to 5 fbgs using air-vacuum rig, 12/22/2011 |
| 10 | 4 4 2 | | | | No Recovery. |
| 15 | 10 12 13 | 4.0 | | CL | CLAY with Sand and Gravel: brown with gray mottling, moist, low plasticity, trace calcium carbonate precipitates, stiff (60,0,20,20) |
| 20 | 50/5 | | | | No Recovery. |





Cardno
ERI

Shaping the Future

BORING LOG RW1

(Page 2 of 2)

Date Drilled: : 12/22/2011
 Drilling Co.: : Cascade Drilling
 Drilling Method: : Hollow Stem Auger
 Sampling Method: : Split Spoon
 Borehole Diameter: : 10"
 Casing Diameter: : 4"
 Location N-S : 2115521.4
 Location E-W : 6069882.6
 Total Depth: : 40 fbgs
 First GW Depth: : 29 fbgs

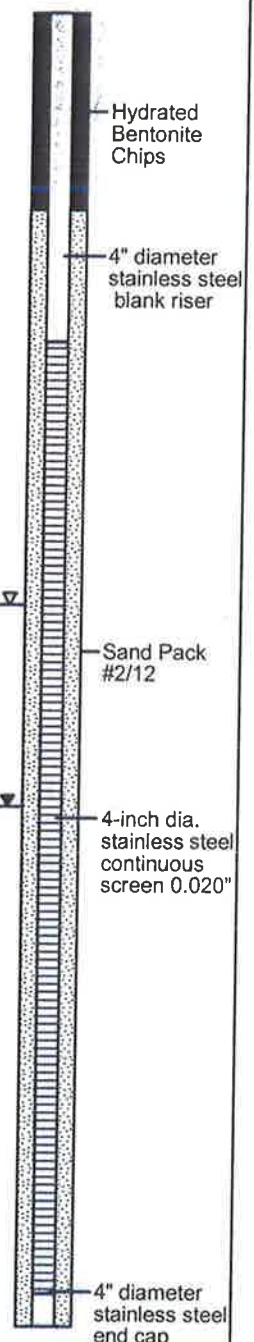
Project No.: : Former Exxon Service Station 70234
 Site: : 3450 35th Avenue, Oakland, CA
 Logged By: : Vincent T. Battaglia
 Reviewed By: : David R. Daniels, P.G. 8737
 Signature:

| Depth (ft) | Blow Count | OVM/PID (ppmv) | Sample | Column | USCS | Sample Condition | Water Levels |
|------------|------------|----------------|--------|--------|------|--|---|
| | | | | | | <input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Interval Not Sampled <input checked="" type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample | <input type="checkbox"/> After Completion: 32.08 fbgs <input checked="" type="checkbox"/> During drilling: 29 fbgs |

Well: RW1
 TOC Elev.: 195.15

| DESCRIPTION | | | | | | |
|-------------|--|------|--|--|----|---|
| 20 | | | | | | |
| 11 | | | | | CL | CLAY with Sand: brown with gray mottling, moist, low plasticity, stiff, subangular sand (80,0,20,0) |
| 12 | | | | | | |
| 25 | | 48 | | | | |
| 13 | | | | | CL | CLAY with Sand and Gravel: brown with greenish gray mottling, moist, low plasticity, stiff, trace calcium carbonate precipitates, subangular sand, subangular gravel (65,0,25,10) |
| 13 | | | | | | |
| 15 | | 187 | | | | |
| 4 | | | | | | |
| 4 | | | | | | |
| 30 | | | | | CL | CLAY with Sand and Gravel: brown with gray mottling, damp to moist, low plasticity, fine-to coarse-grained sand, subangular sand, calcium carbonate precipitates, fine-grained gravel, subangular gravel (65,0,25,10) |
| 13 | | | | | | |
| 14 | | >999 | | | | |
| 10 | | | | | CL | CLAY with Sand: reddish brown, moist, low to medium plasticity, fine-to coarse-grained sand, subangular sand (80,0,20,0) |
| 12 | | 231 | | | | |
| 13 | | | | | | |
| 9 | | | | | | CLAY with Sand: reddish brown, moist, medium plasticity, fine-grained sand, subangular sand (90,0,10,0) |
| 9 | | | | | | |
| 11 | | 160 | | | CL | |
| 35 | | | | | | |
| 9 | | | | | | CLAY with Sand and Gravel: reddish brown, saturated, low plasticity, firm, fine-to coarse-grained sand, subangular sand, fine-grained gravel (65,0,25,10) |
| 9 | | | | | | |
| 7 | | | | | | |
| 9 | | 343 | | | | |
| 9 | | | | | CL | |
| 10 | | 806 | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 9 | | | | | | |
| 40 | | 102 | | | | |

Total Depth of Boring at 40 fbgs, 12/22/11. 1410.
 Free Groundwater Encountered at 29 fbgs.



APPENDIX D

FIELD DATA

| ERI Job# | 2476 | Quarter | 4th | Year | 2011 | Surging | | |
|--------------------|-----------------------------------|------------------|--------|------|-------------|---------|------|------|
| Client/Site: | Exxon Mobil Oil Company / # 70234 | | | | Start | 1150 | Stop | 1200 |
| Location: | 3450 35th Ave, Oakland, CA | | | | Start | 1200 | Stop | 1210 |
| Name: | Vince Battaglia | | | | Start | 1330 | Stop | 1340 |
| DATE: | 12/30/2011 | | | | Start | 1340 | Stop | 1350 |
| Weather: | Cloudy, dry w/ slight breeze | | | | Start | | Stop | |
| WELL ID | | | | | | | | |
| TIME | PURGE VOLUME | Temp | COND | pH | Turbidity | | | |
| hr:min | Gal | deg C F | | unit | NTU | | | |
| | | 1 deg | 10% | 0.1 | Less Than 5 | | | |
| 12 15 | 2.5 | 18.1 | 645 | 6.1 | Too high | | | |
| 12 20 | 2.5 | 18.8 | 655 | 6.3 | Too high | | | |
| 12 25 | 2.5 | 18.3 | 670 | 6.3 | Too high | | | |
| 12 30 | 1.5 | 18.5 | 648 | 6.5 | Too high | | | |
| 12 35 | 1.0 | 18.1 | 640 | 6.3 | Too high | | | |
| 14 00 | 2.5 | 17.9 | 650 | 6.8 | Too high | | | |
| 14 05 | 2.5 | 18.0 | 650 | 6.7 | Too high | | | |
| 14 10 | 1.5 | 18.1 | 645 | 6.3 | Too high | | | |
| 14 15 | 1.5 | 17.9 | 655 | 6.5 | Too high | | | |
| 14 20 | 0.5 | 17.8 | 655 | 6.5 | Too high | | | |
| 14 25 | 0.5 | 18.0 | 650 | 6.3 | Too high | | | |
| 14 30 | 0.5 | 18.1 | 655 | 6.5 | Too high | | | |
| Total Purge Volume | | 29.5 Gallons | | | | | | |
| CASING VOL. FACTOR | | WELL INFORMATION | | | | | | |
| diameter | 4-inch | Time | | | | | | |
| 2"-dia: | 0.163 | TD: | 40.35' | | | | | |
| 4"-dia: | 0.652 | DTW: | 32.08' | | | | | |
| 6"-dia: | 1.457 | h: | 8.27' | | | | | |
| | | csq vol: | 5.39 | | | | | |
| COMMENTS | | | | | | | | |

PTW = 31.5 @ 1210
PTW = 33.9

1st (Dry) →

2nd (Dry) →
Water still holding a lot of fine sediments - Recharge slow ~ 0.15 gal/min

Drums

4 - Soil
1 - Sludge/water well elev. c.

3 - Water (~100 gal)

1 - Construction

Billed approx. 10 gal of sludge/water mixture @ 1045 (heavy fines entrained in water column) - unable to take measurements

Recharge #2
39.1' @ 1233 (set DTW @ 33' bgs) → 33.9' @ 1325 (going to surge 2nd time)

Recharge #1
39.2' @ 1102 → 38.2' @ 1105 → 35' @ 1116 → 33.85' @ 1126 → 32.9' @ 1140

| | | | | | | | | |
|--------------|---|---------|---|------|-------|---------|------|------|
| ERI Job# | 2476 | Quarter | 1 | Year | 2012 | Surging | | |
| Client/Site: | EXON MOBIL / 70234 | | | | Start | 0845 | Stop | 0900 |
| Location: | 3450, 35 th Ave, Oakland, CA | | | | Start | 0950 | Stop | 1007 |
| Name.: | Azat Hagdonov | | | | Start | — | Stop | — |
| DATE: | 02/03/2012 | | | | Start | — | Stop | — |
| Weather: | Sunny | | | | Start | — | Stop | — |

| WELL ID | | | | | |
|---------|--------------|---------|------|------|-------------|
| TIME | PURGE VOLUME | Temp | COND | pH | Turbidity |
| hr:min | Gal | deg C F | | unit | NTU |
| 0900 | 6 | 1 deg | 10% | 0.1 | Less Than 5 |
| 0907 | 6 | | | | >1100 |
| 0915 | 12 | | | | >1100 |
| 1014 | 21 | | | | >1100 |
| 1056 | 24 | | | | 1100 |
| 1102 | 30 | | | | 1038 |
| 1110 | 36 | | | | 1100 |
| 1159 | 42 | | | | 835.7 |
| 1211 | 40 | | | | 755.9 |
| 1219 | 54 | | | | 633.9 |
| 1303 | 60 | | | | 137.0 |
| 1318 | 68 | | | | 222.5 |
| 1332 | 72 | | | | 253.7 |
| 1347 | 78 | | | | 122.4 |
| 1400 | 84 | | | | 166.1 |
| | | | | | |
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| | | | | | |
|--------------------|---------|--|--|--|--|
| Total Purge Volume | Gallons | | | | |
|--------------------|---------|--|--|--|--|

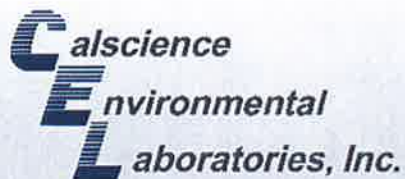
CASING VOL. FACTOR 84

| | | WELL INFORMATION | | |
|----------|-------|------------------|---------------|-------|
| diameter | | Time | 0930 ← init. | 1400 |
| 2"-dia: | 0.163 | TD: | 40.10 final → | 40.10 |
| 4"-dia: | 0.652 | DTW : | 31.43 | 37.04 |
| 6"-dia: | 1.457 | h: | 8.67 | 3.06 |
| | | csg vol: | 5.65 | — |

COMMENTS
Very slow recovery ~ 7-9 min per gal.

APPENDIX E

**LABORATORY ANALYTICAL REPORTS
AND CHAIN-OF-CUSTODY RECORDS**



CALSCIENCE

WORK ORDER NUMBER: 11-12-1938

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

RECEIVED
JAN 11 2012

BY:

Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 70234

Attention: Janice Jacobson
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Cecile L. de Guia

Approved for release on 01/9/2012 by:
Cecile deGuia
Project Manager

ResultLink ▶

Email your PM ▶



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 analyses, 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.





Contents

Client Project Name: ExxonMobil 70234
Work Order Number: 11-12-1938

| | | |
|---|--|----|
| 1 | Client Sample Data | 3 |
| | 1.1 EPA 8015B (M) TPH Gasoline (Solid) | 3 |
| | 1.2 EPA 8260B Volatile Organics + Oxygenates (Solid) | 6 |
| 2 | Quality Control Sample Data | 11 |
| | 2.1 MS/MSD and/or Duplicate | 11 |
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Analytical Report



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

Date Received: 12/28/11
Work Order No: 11-12-1938
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: ExxonMobil 70234

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-5.0-RW1 | 11-12-1938-1-A | 12/22/11 11:30 | Solid | GC 4 | 12/29/11 | 12/29/11 19:33 | 111229B02 |

| 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 | 72 | 42-126 | |

| | | | | | | | |
|------------|----------------|-------------------|-------|------|----------|-------------------|-----------|
| S-15.0-RW1 | 11-12-1938-2-A | 12/22/11 12:15 | Solid | GC 4 | 12/29/11 | 12/29/11 21:06 | 111229B02 |
|------------|----------------|-------------------|-------|------|----------|-------------------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|-----------------|--------|------|----|------|-------|
| TPH as Gasoline | 1.3 | 0.50 | 1 | HD | mg/kg |

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 80 | 42-126 | |

| | | | | | | | |
|------------|----------------|-------------------|-------|------|----------|-------------------|-----------|
| S-25.0-RW1 | 11-12-1938-3-A | 12/22/11 12:45 | Solid | GC 4 | 12/29/11 | 12/29/11 21:37 | 111229B02 |
|------------|----------------|-------------------|-------|------|----------|-------------------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|-----------------|--------|------|----|------|-------|
| TPH as Gasoline | 6.5 | 0.50 | 1 | HD | mg/kg |

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 91 | 42-126 | |

| | | | | | | | |
|------------|----------------|-------------------|-------|------|----------|-------------------|-----------|
| S-28.0-RW1 | 11-12-1938-4-A | 12/22/11 12:50 | Solid | GC 4 | 12/29/11 | 12/29/11 22:08 | 111229B02 |
|------------|----------------|-------------------|-------|------|----------|-------------------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|-----------------|--------|------|----|------|-------|
| TPH as Gasoline | 27 | 0.50 | 1 | HD | mg/kg |

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 121 | 42-126 | |

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

Return to Contents



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

Date Received: 12/28/11
Work Order No: 11-12-1938
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: ExxonMobil 70234

Page 2 of 3

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-31.0-RW1 | 11-12-1938-5-A | 12/22/11 13:35 | Solid | GC 4 | 12/29/11 | 12/29/11 22:39 | 111229B02 |

| Parameter | Result | RL | DF | Qual | Units |
|-----------------|--------|------|----|------|-------|
| TPH as Gasoline | 1.7 | 0.50 | 1 | | mg/kg |

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 74 | 42-126 | |

| | | | | | | | |
|------------|----------------|-------------------|-------|------|----------|-------------------|-----------|
| S-32.5-RW1 | 11-12-1938-6-A | 12/22/11 13:40 | Solid | GC 4 | 12/29/11 | 12/29/11 23:10 | 111229B02 |
|------------|----------------|-------------------|-------|------|----------|-------------------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|-----------------|--------|------|----|------|-------|
| TPH as Gasoline | 0.95 | 0.50 | 1 | | mg/kg |

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

| | | | | | | | |
|------------|----------------|-------------------|-------|------|----------|-------------------|-----------|
| S-34.0-RW1 | 11-12-1938-7-A | 12/22/11 13:45 | Solid | GC 4 | 12/29/11 | 12/29/11 23:41 | 111229B02 |
|------------|----------------|-------------------|-------|------|----------|-------------------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|-----------------|--------|------|----|------|-------|
| TPH as Gasoline | 2.3 | 0.50 | 1 | HD | mg/kg |

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 79 | 42-126 | |

| | | | | | | | |
|------------|----------------|-------------------|-------|------|----------|-------------------|-----------|
| S-37.0-RW1 | 11-12-1938-8-A | 12/22/11 13:55 | Solid | GC 4 | 12/31/11 | 12/31/11 14:48 | 111231B01 |
|------------|----------------|-------------------|-------|------|----------|-------------------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|-----------------|--------|----|----|------|-------|
| TPH as Gasoline | 420 | 10 | 20 | | mg/kg |

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

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



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

Date Received: 12/28/11
Work Order No: 11-12-1938
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: ExxonMobil 70234

Page 3 of 3

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-38.5-RW1 | 11-12-1938-9-A | 12/22/11 14:00 | Solid | GC 4 | 12/29/11 | 12/30/11 00:11 | 111229B02 |

| 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 | 76 | 42-126 | |

| | | | | | | | |
|------------|-----------------|-------------------|-------|------|----------|-------------------|-----------|
| S-40.0-RW1 | 11-12-1938-10-A | 12/22/11 14:05 | Solid | GC 4 | 12/31/11 | 12/31/11 15:19 | 111231B01 |
|------------|-----------------|-------------------|-------|------|----------|-------------------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|-----------------|--------|----|----|------|-------|
| TPH as Gasoline | 440 | 10 | 20 | | mg/kg |

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 84 | 42-126 | |

| | | | | | | | |
|--------------|----------------|-----|-------|------|----------|-------------------|-----------|
| Method Blank | 099-14-571-131 | N/A | Solid | GC 4 | 12/29/11 | 12/29/11 17:30 | 111229B02 |
|--------------|----------------|-----|-------|------|----------|-------------------|-----------|

| 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 | 72 | 42-126 | |

| | | | | | | | |
|--------------|----------------|-----|-------|------|----------|-------------------|-----------|
| Method Blank | 099-14-571-132 | N/A | Solid | GC 4 | 12/31/11 | 12/31/11 14:17 | 111231B01 |
|--------------|----------------|-----|-------|------|----------|-------------------|-----------|

| 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 | 77 | 42-126 | |

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

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

Date Received: 12/28/11
Work Order No: 11-12-1938
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70234

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-5.0-RW1 | 11-12-1938-1-A | 12/22/11 11:30 | Solid | GC/MS UU | 12/28/11 | 12/30/11 12:55 | 111230L01 |

| 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 | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 93 | 60-132 | | | Dibromofluoromethane | 96 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 113 | 62-146 | | | Toluene-d8 | 97 | 80-120 | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-15.0-RW1 | 11-12-1938-2-A | 12/22/11 12:15 | Solid | GC/MS UU | 12/28/11 | 12/30/11 17:30 | 111230L01 |

| 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) | 0.0053 | 0.0050 | 1 | U | 1,2-Dichloroethane | ND | 0.0050 | 1 | U |
| Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | U | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 95 | 60-132 | | | Dibromofluoromethane | 96 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 114 | 62-146 | | | Toluene-d8 | 103 | 80-120 | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-25.0-RW1 | 11-12-1938-3-A | 12/22/11 12:45 | Solid | GC/MS UU | 12/28/11 | 12/30/11 19:19 | 111230L01 |

| 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) | 0.029 | 0.0050 | 1 | U | 1,2-Dibromoethane | ND | 0.0050 | 1 | U |
| Methyl-t-Butyl Ether (MTBE) | 0.0066 | 0.0050 | 1 | QO | 1,2-Dichloroethane | ND | 0.0050 | 1 | U |
| Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | U | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 97 | 60-132 | | | Dibromofluoromethane | 103 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 114 | 62-146 | | | Toluene-d8 | 99 | 80-120 | | |

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

Return to Contents



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

Date Received: 12/28/11
Work Order No: 11-12-1938
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70234

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-28.0-RW1 | 11-12-1938-4-A | 12/22/11 12:50 | Solid | GC/MS UU | 12/28/11 | 12/30/11 19:47 | 111230L01 |

| 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 | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 111 | 60-132 | | | Dibromofluoromethane | 105 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 114 | 62-146 | | | Toluene-d8 | 104 | 80-120 | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-31.0-RW1 | 11-12-1938-5-A | 12/22/11 13:35 | Solid | GC/MS UU | 12/28/11 | 01/03/12 16:57 | 120103L01 |

| 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 | 0.0072 | 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) | 0.096 | 0.0050 | 1 | U | 1,2-Dibromoethane | ND | 0.0050 | 1 | U |
| Methyl-t-Butyl Ether (MTBE) | 0.50 | 0.50 | 100 | | 1,2-Dichloroethane | ND | 0.0050 | 1 | U |
| Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | U | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 100 | 60-132 | | | Dibromofluoromethane | 104 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 114 | 62-146 | | | Toluene-d8 | 97 | 80-120 | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-32.5-RW1 | 11-12-1938-6-A | 12/22/11 13:40 | Solid | GC/MS UU | 12/28/11 | 12/30/11 17:57 | 111230L01 |

| 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) | 0.0087 | 0.0050 | 1 | U | 1,2-Dibromoethane | ND | 0.0050 | 1 | U |
| Methyl-t-Butyl Ether (MTBE) | 0.72 | 0.50 | 100 | | 1,2-Dichloroethane | ND | 0.0050 | 1 | U |
| Tert-Butyl Alcohol (TBA) | 0.17 | 0.050 | 1 | | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 98 | 60-132 | | | Dibromofluoromethane | 102 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 113 | 62-146 | | | Toluene-d8 | 98 | 80-120 | | |

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

Return to Contents



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

Date Received: 12/28/11
Work Order No: 11-12-1938
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70234

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-34.0-RW1 | 11-12-1938-7-A | 12/22/11 13:45 | Solid | GC/MS UU | 12/28/11 | 12/30/11 18:24 | 111230L01 |

| 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) | 0.0053 | 0.0050 | 1 | | 1,2-Dibromoethane | ND | 0.0050 | 1 | U |
| Methyl-t-Butyl Ether (MTBE) | 0.94 | 0.50 | 100 | | 1,2-Dichloroethane | ND | 0.0050 | 1 | U |
| Tert-Butyl Alcohol (TBA) | 0.42 | 0.050 | 1 | | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 98 | 60-132 | | | Dibromofluoromethane | 104 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 110 | 62-146 | | | Toluene-d8 | 99 | 80-120 | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-37.0-RW1 | 11-12-1938-8-A | 12/22/11 13:55 | Solid | GC/MS UU | 12/28/11 | 01/03/12 12:50 | 120103L02 |

| 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 | 0.88 | 0.50 | 100 | | Tert-Amyl-Methyl Ether (TAME) | ND | 1.0 | 100 | U |
| Xylenes (total) | 10 | 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 | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 102 | 60-132 | | | Dibromofluoromethane | 97 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 107 | 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-38.5-RW1 | 11-12-1938-9-A | 12/22/11 14:00 | Solid | GC/MS UU | 12/28/11 | 12/30/11 18:52 | 111230L01 |

| 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) | 0.0071 | 0.0050 | 1 | | 1,2-Dichloroethane | ND | 0.0050 | 1 | U |
| Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | U | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 96 | 60-132 | | | Dibromofluoromethane | 105 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 120 | 62-146 | | | Toluene-d8 | 100 | 80-120 | | |

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



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

Date Received: 12/28/11
Work Order No: 11-12-1938
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70234

Page 4 of 5

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-40.0-RW1 | 11-12-1938-10-A | 12/22/11 14:05 | Solid | GC/MS UU | 12/28/11 | 01/03/12 14:40 | 120103L02 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|-----------------------------|----------------|-----------------------|-------------|------|-------------------------------|----------------|-----------------------|-------------|------|
| Benzene | ND | 1.0 | 200 | U | Diisopropyl Ether (DIPE) | ND | 2.0 | 200 | U |
| Toluene | ND | 1.0 | 200 | U | Ethyl-t-Butyl Ether (ETBE) | ND | 2.0 | 200 | U |
| Ethylbenzene | 2.1 | 1.0 | 200 | | Tert-Amyl-Methyl Ether (TAME) | ND | 2.0 | 200 | U |
| Xylenes (total) | 29 | 1.0 | 200 | | 1,2-Dibromoethane | ND | 1.0 | 200 | U |
| Methyl-t-Butyl Ether (MTBE) | ND | 1.0 | 200 | U | 1,2-Dichloroethane | ND | 1.0 | 200 | U |
| Tert-Butyl Alcohol (TBA) | ND | 10 | 200 | U | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 98 | 60-132 | | | Dibromofluoromethane | 99 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 105 | 62-146 | | | Toluene-d8 | 101 | 80-120 | | |

| | | | | | | | |
|---------------------|-------------------------|------------|--------------|-----------------|-----------------|-----------------------|------------------|
| Method Blank | 099-12-882-1,241 | N/A | Solid | GC/MS UU | 12/30/11 | 12/30/11 12:01 | 111230L01 |
|---------------------|-------------------------|------------|--------------|-----------------|-----------------|-----------------------|------------------|

| 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 | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 92 | 60-132 | | | Dibromofluoromethane | 96 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 114 | 62-146 | | | Toluene-d8 | 95 | 80-120 | | |

| | | | | | | | |
|---------------------|-------------------------|------------|--------------|-----------------|-----------------|-----------------------|------------------|
| Method Blank | 099-12-882-1,246 | N/A | Solid | GC/MS UU | 01/03/12 | 01/03/12 12:23 | 120103L02 |
|---------------------|-------------------------|------------|--------------|-----------------|-----------------|-----------------------|------------------|

| 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 | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 98 | 60-132 | | | Dibromofluoromethane | 101 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 118 | 62-146 | | | Toluene-d8 | 96 | 80-120 | | |

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



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

Date Received: 12/28/11
Work Order No: 11-12-1938
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70234

Page 5 of 5

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-12-882-1,247 | N/A | Solid | GC/MS UU | 01/03/12 | 01/03/12 11:56 | 120103L01 |

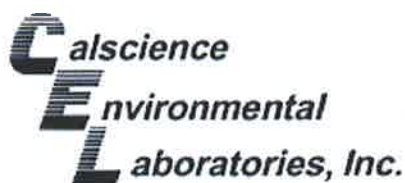
| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|-----------------------------|----------------|-----------------------|-------------|------|-------------------------------|----------------|-----------------------|-------------|------|
| Benzene | ND | 0.0050 | 1 | U | Diisopropyl 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 | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 94 | 60-132 | | | Dibromofluoromethane | 100 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 115 | 62-146 | | | Toluene-d8 | 95 | 80-120 | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-12-882-1,248 | N/A | Solid | GC/MS UU | 12/30/11 | 12/30/11 12:28 | 111230L02 |

| 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 | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 98 | 60-132 | | | Dibromofluoromethane | 95 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 111 | 62-146 | | | Toluene-d8 | 95 | 80-120 | | |

Return to Contents

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



Quality Control - Spike/Spike Duplicate



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

Date Received: 12/28/11
Work Order No: 11-12-1938
Preparation: EPA 5030C
Method: EPA 8015B (M)

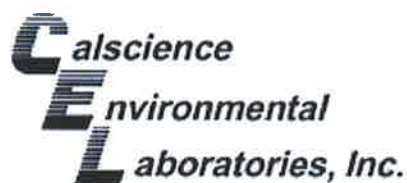
Project ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| S-5.0-RW1 | Solid | GC 4 | 12/29/11 | 12/29/11 | 111229S01 |

| Parameter | SPIKE ADDED | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|-------------|---------|----------|---------|-----|--------|------------|
| TPH as Gasoline | 10.00 | 100 | 101 | 48-114 | 1 | 0-23 | |

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

Date Received: 12/28/11
Work Order No: 11-12-1938
Preparation: EPA 5030C
Method: EPA 8260B

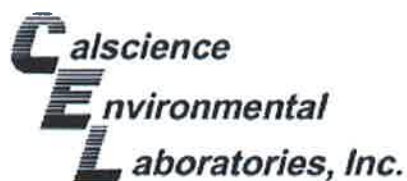
Project ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| S-5.0-RW1 | Solid | GC/MS UU | 12/28/11 | 12/30/11 | 111230S01 |

| Parameter | SPIKE ADDED | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|-------------|---------|----------|---------|-----|--------|------------|
| Benzene | 0.05000 | 95 | 95 | 61-127 | 0 | 0-20 | |
| Toluene | 0.05000 | 96 | 93 | 63-123 | 3 | 0-20 | |
| Ethylbenzene | 0.05000 | 96 | 95 | 57-129 | 1 | 0-22 | |
| Methyl-t-Butyl Ether (MTBE) | 0.05000 | 95 | 93 | 57-123 | 2 | 0-21 | |
| Tert-Butyl Alcohol (TBA) | 0.2500 | 88 | 96 | 30-168 | 9 | 0-34 | |
| Diisopropyl Ether (DIPE) | 0.05000 | 102 | 97 | 57-129 | 5 | 0-20 | |
| Ethyl-t-Butyl Ether (ETBE) | 0.05000 | 92 | 90 | 55-127 | 3 | 0-20 | |
| Tert-Amyl-Methyl Ether (TAME) | 0.05000 | 90 | 91 | 58-124 | 1 | 0-20 | |
| Ethanol | 0.5000 | 111 | 121 | 17-167 | 9 | 0-47 | |
| 1,1-Dichloroethene | 0.05000 | 103 | 99 | 47-143 | 4 | 0-25 | |
| 1,2-Dibromoethane | 0.05000 | 96 | 99 | 64-124 | 3 | 0-20 | |
| 1,2-Dichlorobenzene | 0.05000 | 88 | 86 | 35-131 | 3 | 0-25 | |
| 1,2-Dichloroethane | 0.05000 | 106 | 105 | 80-120 | 1 | 0-20 | |
| Carbon Tetrachloride | 0.05000 | 110 | 102 | 51-135 | 8 | 0-29 | |
| Chlorobenzene | 0.05000 | 96 | 94 | 57-123 | 2 | 0-20 | |
| Trichloroethene | 0.05000 | 96 | 94 | 44-158 | 2 | 0-20 | |
| Vinyl Chloride | 0.05000 | 114 | 105 | 49-139 | 8 | 0-47 | |

Return to Contents ↑

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

Date Received: 12/28/11
Work Order No: 11-12-1938
Preparation: EPA 5030C
Method: EPA 8260B

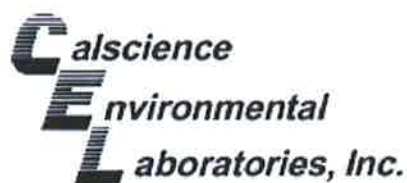
Project ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| S-37.0-RW1 | Solid | GC/MS UU | 12/28/11 | 01/03/12 | 120103S01 |

| Parameter | SPIKE ADDED | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|-------------|---------|----------|---------|-----|--------|------------|
| Benzene | 5.000 | 99 | 99 | 61-127 | 0 | 0-20 | |
| Toluene | 5.000 | 101 | 100 | 63-123 | 1 | 0-20 | |
| Ethylbenzene | 5.000 | 96 | 93 | 57-129 | 3 | 0-22 | |
| Methyl-t-Butyl Ether (MTBE) | 5.000 | 105 | 102 | 57-123 | 3 | 0-21 | |
| Tert-Butyl Alcohol (TBA) | 25.00 | 93 | 88 | 30-168 | 6 | 0-34 | |
| Diisopropyl Ether (DIPE) | 5.000 | 102 | 98 | 57-129 | 3 | 0-20 | |
| Ethyl-t-Butyl Ether (ETBE) | 5.000 | 95 | 95 | 55-127 | 0 | 0-20 | |
| Tert-Amyl-Methyl Ether (TAME) | 5.000 | 96 | 93 | 58-124 | 4 | 0-20 | |
| Ethanol | 50.00 | 124 | 117 | 17-167 | 6 | 0-47 | |
| 1,1-Dichloroethene | 5.000 | 99 | 94 | 47-143 | 5 | 0-25 | |
| 1,2-Dibromoethane | 5.000 | 97 | 98 | 64-124 | 1 | 0-20 | |
| 1,2-Dichlorobenzene | 5.000 | 96 | 90 | 35-131 | 6 | 0-25 | |
| 1,2-Dichloroethane | 5.000 | 101 | 99 | 80-120 | 2 | 0-20 | |
| Carbon Tetrachloride | 5.000 | 102 | 100 | 51-135 | 2 | 0-29 | |
| Chlorobenzene | 5.000 | 97 | 96 | 57-123 | 1 | 0-20 | |
| Trichloroethene | 5.000 | 96 | 93 | 44-158 | 3 | 0-20 | |
| Vinyl Chloride | 5.000 | 111 | 108 | 49-139 | 3 | 0-47 | |

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



| | | |
|--------------------------|----------------|---------------|
| Cardno ERI | Date Received: | N/A |
| 601 North McDowell Blvd. | Work Order No: | 11-12-1938 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8015B (M) |

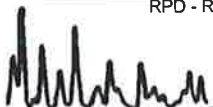
Project: ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-14-571-132 | Solid | GC 4 | 12/31/11 | 12/31/11 | 111231B01 |

| <u>Parameter</u> | <u>SPIKE ADDED</u> | <u>LCS %REC</u> | <u>LCSD %REC</u> | <u>%REC CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|------------------|--------------------|-----------------|------------------|----------------|------------|---------------|-------------------|
| TPH as Gasoline | 10.00 | 114 | 115 | 70-124 | 0 | 0-18 | |

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 11-12-1938
Preparation: EPA 5030C
Method: EPA 8015B (M)

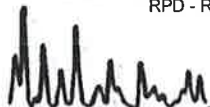
Project: ExxonMobil 70234

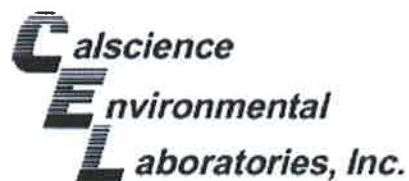
| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-14-571-131 | Solid | GC 4 | 12/29/11 | 12/29/11 | 111229B02 |

| Parameter | SPIKE ADDED | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|-------------|----------|-----------|---------|-----|--------|------------|
| TPH as Gasoline | 10.00 | 112 | 110 | 70-124 | 2 | 0-18 | |

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 11-12-1938
Preparation: EPA 5030C
Method: EPA 8260B

Project: ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|-------------------------------|-------------|------------|---------------|---------------|-----------------------|-----|--------|------------|
| 099-12-882-1,241 | Solid | GC/MS UU | 12/30/11 | 12/30/11 | 111230L01 | | | |
| Parameter | SPIKE ADDED | LCS %REC | LCSD %REC | %REC CL | ME CL | RPD | RPD CL | Qualifiers |
| Benzene | 0.05000 | 89 | 91 | 78-120 | 71-127 | 2 | 0-20 | |
| Toluene | 0.05000 | 91 | 94 | 77-120 | 70-127 | 3 | 0-20 | |
| Ethylbenzene | 0.05000 | 93 | 90 | 76-120 | 69-127 | 3 | 0-20 | |
| Methyl-t-Butyl Ether (MTBE) | 0.05000 | 95 | 93 | 77-120 | 70-127 | 2 | 0-20 | |
| Tert-Butyl Alcohol (TBA) | 0.25000 | 85 | 82 | 68-122 | 59-131 | 3 | 0-20 | |
| Diisopropyl Ether (DIPE) | 0.05000 | 101 | 98 | 78-120 | 71-127 | 2 | 0-20 | |
| Ethyl-t-Butyl Ether (ETBE) | 0.05000 | 92 | 92 | 78-120 | 71-127 | 0 | 0-20 | |
| Tert-Amyl-Methyl Ether (TAME) | 0.05000 | 86 | 91 | 75-120 | 68-128 | 7 | 0-20 | |
| Ethanol | 0.50000 | 95 | 97 | 56-140 | 42-154 | 2 | 0-20 | |
| 1,1-Dichloroethene | 0.05000 | 102 | 98 | 74-122 | 66-130 | 4 | 0-20 | |
| 1,2-Dibromoethane | 0.05000 | 99 | 100 | 80-120 | 73-127 | 0 | 0-20 | |
| 1,2-Dichlorobenzene | 0.05000 | 89 | 88 | 75-120 | 68-128 | 2 | 0-20 | |
| 1,2-Dichloroethane | 0.05000 | 98 | 99 | 80-120 | 73-127 | 1 | 0-20 | |
| Carbon Tetrachloride | 0.05000 | 105 | 101 | 49-139 | 34-154 | 4 | 0-20 | |
| Chlorobenzene | 0.05000 | 94 | 93 | 79-120 | 72-127 | 1 | 0-20 | |
| Trichloroethene | 0.05000 | 91 | 94 | 80-120 | 73-127 | 3 | 0-20 | |
| Vinyl Chloride | 0.05000 | 107 | 110 | 68-122 | 59-131 | 3 | 0-20 | |

Total number of LCS compounds : 17

Total number of ME compounds : 0

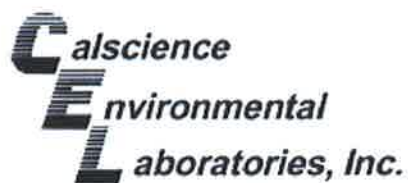
Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



| | | |
|--------------------------|----------------|------------|
| Cardno ERI | Date Received: | N/A |
| 601 North McDowell Blvd. | Work Order No: | 11-12-1938 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |

Project: ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-882-1,248 | Solid | GC/MS UU | 12/30/11 | 12/30/11 | 111230L02 |

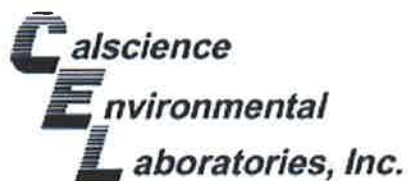
| Parameter | SPIKE ADDED | LCS %REC | LCSD %REC | %REC CL | ME CL | RPD | RPD CL | Qualifiers |
|-------------------------------|-------------|----------|-----------|---------|--------|-----|--------|------------|
| Benzene | 0.05000 | 89 | 91 | 78-120 | 71-127 | 2 | 0-20 | |
| Toluene | 0.05000 | 91 | 94 | 77-120 | 70-127 | 3 | 0-20 | |
| Ethylbenzene | 0.05000 | 93 | 90 | 76-120 | 69-127 | 3 | 0-20 | |
| Methyl-t-Butyl Ether (MTBE) | 0.05000 | 95 | 93 | 77-120 | 70-127 | 2 | 0-20 | |
| Tert-Butyl Alcohol (TBA) | 0.2500 | 85 | 82 | 68-122 | 59-131 | 3 | 0-20 | |
| Diisopropyl Ether (DIPE) | 0.05000 | 101 | 98 | 78-120 | 71-127 | 2 | 0-20 | |
| Ethyl-t-Butyl Ether (ETBE) | 0.05000 | 92 | 92 | 78-120 | 71-127 | 0 | 0-20 | |
| Tert-Amyl-Methyl Ether (TAME) | 0.05000 | 86 | 91 | 75-120 | 68-128 | 7 | 0-20 | |
| Ethanol | 0.5000 | 95 | 97 | 56-140 | 42-154 | 2 | 0-20 | |
| 1,1-Dichloroethene | 0.05000 | 102 | 98 | 74-122 | 66-130 | 4 | 0-20 | |
| 1,2-Dibromoethane | 0.05000 | 99 | 100 | 80-120 | 73-127 | 0 | 0-20 | |
| 1,2-Dichlorobenzene | 0.05000 | 89 | 88 | 75-120 | 68-128 | 2 | 0-20 | |
| 1,2-Dichloroethane | 0.05000 | 98 | 99 | 80-120 | 73-127 | 1 | 0-20 | |
| Carbon Tetrachloride | 0.05000 | 105 | 101 | 49-139 | 34-154 | 4 | 0-20 | |
| Chlorobenzene | 0.05000 | 94 | 93 | 79-120 | 72-127 | 1 | 0-20 | |
| Trichloroethene | 0.05000 | 91 | 94 | 80-120 | 73-127 | 3 | 0-20 | |
| Vinyl Chloride | 0.05000 | 107 | 110 | 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

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 11-12-1938
Preparation: EPA 5030C
Method: EPA 8260B

Project: ExxonMobil 70234

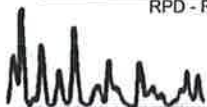
| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-882-1,247 | Solid | GC/MS UU | 01/03/12 | 01/03/12 | 120103L01 |

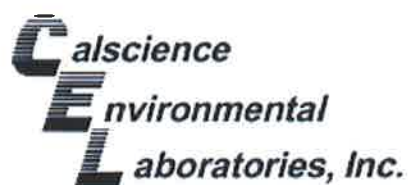
| Parameter | SPIKE ADDED | LCS %REC | LCSD %REC | %REC CL | ME CL | RPD | RPD CL | Qualifiers |
|-------------------------------|-------------|----------|-----------|---------|--------|-----|--------|------------|
| Benzene | 0.05000 | 89 | 93 | 78-120 | 71-127 | 5 | 0-20 | |
| Toluene | 0.05000 | 94 | 90 | 77-120 | 70-127 | 4 | 0-20 | |
| Ethylbenzene | 0.05000 | 94 | 93 | 76-120 | 69-127 | 1 | 0-20 | |
| Methyl-t-Butyl Ether (MTBE) | 0.05000 | 96 | 95 | 77-120 | 70-127 | 1 | 0-20 | |
| Tert-Butyl Alcohol (TBA) | 0.2500 | 87 | 84 | 68-122 | 59-131 | 3 | 0-20 | |
| Diisopropyl Ether (DIPE) | 0.05000 | 98 | 101 | 78-120 | 71-127 | 3 | 0-20 | |
| Ethyl-t-Butyl Ether (ETBE) | 0.05000 | 92 | 91 | 78-120 | 71-127 | 1 | 0-20 | |
| Tert-Amyl-Methyl Ether (TAME) | 0.05000 | 94 | 97 | 75-120 | 68-128 | 3 | 0-20 | |
| Ethanol | 0.5000 | 106 | 94 | 56-140 | 42-154 | 12 | 0-20 | |
| 1,1-Dichloroethene | 0.05000 | 98 | 97 | 74-122 | 66-130 | 1 | 0-20 | |
| 1,2-Dibromoethane | 0.05000 | 96 | 96 | 80-120 | 73-127 | 0 | 0-20 | |
| 1,2-Dichlorobenzene | 0.05000 | 92 | 90 | 75-120 | 68-128 | 2 | 0-20 | |
| 1,2-Dichloroethane | 0.05000 | 98 | 100 | 80-120 | 73-127 | 3 | 0-20 | |
| Carbon Tetrachloride | 0.05000 | 104 | 105 | 49-139 | 34-154 | 1 | 0-20 | |
| Chlorobenzene | 0.05000 | 95 | 93 | 79-120 | 72-127 | 2 | 0-20 | |
| Trichloroethene | 0.05000 | 94 | 92 | 80-120 | 73-127 | 2 | 0-20 | |
| Vinyl Chloride | 0.05000 | 102 | 103 | 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

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 11-12-1938
Preparation: EPA 5030C
Method: EPA 8260B

Project: ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-882-1,246 | Solid | GC/MS UU | 01/03/12 | 01/03/12 | 120103L02 |

| Parameter | SPIKE ADDED | LCS %REC | LCSD %REC | %REC CL | ME CL | RPD | RPD CL | Qualifiers |
|-------------------------------|-------------|----------|-----------|---------|--------|-----|--------|------------|
| Benzene | 0.05000 | 89 | 93 | 78-120 | 71-127 | 5 | 0-20 | |
| Toluene | 0.05000 | 94 | 90 | 77-120 | 70-127 | 4 | 0-20 | |
| Ethylbenzene | 0.05000 | 94 | 93 | 76-120 | 69-127 | 1 | 0-20 | |
| Methyl-t-Butyl Ether (MTBE) | 0.05000 | 96 | 95 | 77-120 | 70-127 | 1 | 0-20 | |
| Tert-Butyl Alcohol (TBA) | 0.25000 | 87 | 84 | 68-122 | 59-131 | 3 | 0-20 | |
| Diisopropyl Ether (DIPE) | 0.05000 | 98 | 101 | 78-120 | 71-127 | 3 | 0-20 | |
| Ethyl-t-Butyl Ether (ETBE) | 0.05000 | 92 | 91 | 78-120 | 71-127 | 1 | 0-20 | |
| Tert-Amyl-Methyl Ether (TAME) | 0.05000 | 94 | 97 | 75-120 | 68-128 | 3 | 0-20 | |
| Ethanol | 0.50000 | 106 | 94 | 56-140 | 42-154 | 12 | 0-20 | |
| 1,1-Dichloroethene | 0.05000 | 98 | 97 | 74-122 | 66-130 | 1 | 0-20 | |
| 1,2-Dibromoethane | 0.05000 | 96 | 96 | 80-120 | 73-127 | 0 | 0-20 | |
| 1,2-Dichlorobenzene | 0.05000 | 92 | 90 | 75-120 | 68-128 | 2 | 0-20 | |
| 1,2-Dichloroethane | 0.05000 | 98 | 100 | 80-120 | 73-127 | 3 | 0-20 | |
| Carbon Tetrachloride | 0.05000 | 104 | 105 | 49-139 | 34-154 | 1 | 0-20 | |
| Chlorobenzene | 0.05000 | 95 | 93 | 79-120 | 72-127 | 2 | 0-20 | |
| Trichloroethene | 0.05000 | 94 | 92 | 80-120 | 73-127 | 2 | 0-20 | |
| Vinyl Chloride | 0.05000 | 102 | 103 | 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

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 11-12-1938

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

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

MPN - Most Probable Number



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Consultant Name: Cardno ERI **Account #:** 4512312717 **PO#** 247605X
Address: 601 N. McDowell Blvd., **Invoice To:** Jennifer Sedlachek
City/State/Zip: Petaluma, California **Report To:** Janice A. Jacobson
ExxonMobil Territory Mgr: Jennifer Sedlachek **Project Name:** Former Exxon 70234
Consultant Project Mgr: Janice Jacobson **ExxonMobil S#** 70234 **Major Project (AFE#):** NA
Consultant Telephone Number: 707-766-2000 **Fax No.:** 707-789-0414 **Site Address** 3450 35th Avenue
Sampler Name: (Print) Jennifer Hauber **City, State, Zip** Oakland, CA
Sampler Signature:

Regulatory District (CA) Alameda County, Environmental Health

| Sample | Field Point Name | Date Sampled | Time Sampled | No. of Containers Shipped | Grab | Composite | Field Filtered | Preservative | | | | | | | | Matrix | | Analyze For: | | | | | | | | | | Due Date of Report | | | | | | | |
|--------|------------------|--------------|--------------|---------------------------|------|-----------|----------------|--------------|------------------|------------------|---------------------|---|---|------------------------------|--------------------|-------------|------------|----------------|--------|------|------------------|--------------------|------------|------------------|------------|------------------|------------------|--------------------|------------------|-------------------|-----------------------|-----------------------|--------------------|-------------------|-------------------------|
| | | | | | | | | Methanol | Sodium Bisulfate | HCl (Blue Label) | NaOH (Orange Label) | H ₂ SO ₄ Plastic (Yellow Label) | H ₂ SO ₄ Glass (Yellow Label) | HNO ₃ (Red Label) | Nbre (Black Label) | Groundwater | Wastewater | Drinking Water | Sludge | Soil | Other (specify): | API R40/ASTM D2216 | ASTM D425M | API R40/EPA 9100 | ASTM D4464 | TPHg - EPA 8015B | TPHd - EPA 8015B | | BTEX - EPA 8260B | Oxy's - EPA 8260B | Lead Scav - EPA 8260B | Methanol-Method 8015B | TPHmo-Method 8015B | TPHk-Method 8015B | RUSH TAT (Pre-Schedule) |
| 1 | S-5.0-RWI | RWI | 12/22/11 | 1130 | 1 | X | | | | | | | | | | | | | X | | | | X | X | X | | | | | | | | X | | |
| 2 | S-15.0-RWI | RWI | | 1215 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | S-25.0-RWI | RWI | | 1245 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | S-28.0-RWI | RWI | | 1250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | S-31.0-RWI | RWI | | 1335 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | S-32.5-RWI | RWI | | 1340 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | S-34.0-RWI | RWI | | 1345 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | S-37.0-RWI | RWI | | 1355 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | S-38.5-RWI | RWI | | 1400 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | S-40.0-RWI | RWI | 12/22/11 | 1405 | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | |

Comments/Special Instructions:

Analyze for:

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

GLOBAL ID # T06019757161

PLEASE E-MAIL ALL EDF FILES TO
 geotracker01@eri-us.com

| | | | | | |
|------------------|----------|------|---------------------------|----------|------|
| Relinquished by: | Date | Time | Received by: | Date | Time |
| | 12/27/11 | 1017 | Jon O'Malley CEC | 12/27/11 | 1017 |
| Relinquished by: | Date | Time | Received by (Lab person): | Date | Time |
| Jon O'Malley GSC | 12/27/11 | 1735 | | 12/28/11 | 1100 |

7938

| | | | |
|--|--|--|------------|
|  | | < WebShip > > > > 800-322-5555 www.gso.com | |
| Ship From: ALAN KEMP CAL SCIENCE- CONCORD 5063 COMMERCIAL CIRCLE #H CONCORD, CA 94520 | | Tracking #: 518128591  | NPS |
| Ship To: SAMPLE RECEIVING CEL 7440 LINCOLN WAY GARDEN GROVE, CA 92841 | | ORC GARDEN GROVE | |
| COD: \$0.00 | | D92841A  97243282 | |
| Reference: CARDNO ERI, STANTEC | | Print Date : 12/27/11 15:01 PM | |
| Delivery Instructions: | | Signature Type: SIGNATURE REQUIRED | |

Package 1 of 1

| | | | |
|-----------------------|---|---------------|--------|
| Send Label To Printer | <input checked="" type="checkbox"/> 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 not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

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WORK ORDER #: 11-12-1938

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Candria RI

DATE: 12/28/11

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.6 °C - 0.3 °C (CF) = 3.3 °C Blank Sample

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

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

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

Ambient Temperature: Air Filter Initial: HP

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: HP

Sample _____ No (Not Intact) Not Present Initial: DEE

SAMPLE CONDITION:

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

CONTAINER TYPE:

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

Water: VOA VOA_h VOA_{na2} 125AGB 125AGB_h 125AGB_p 1AGB 1AGB_{na2} 1AGB_s

500AGB 500AGJ 500AGJ_s 250AGB 250CGB 250CGB_s 1PB 1PB_{na} 500PB

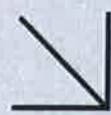
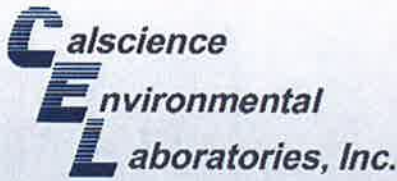
250PB 250PB_n 125PB 125PB_{znna} 100PJ 100PJ_{na2} _____ _____ _____

Air: Tedlar® Summa® Other: _____ Trip Blank Lot#: _____ Labeled/Checked by: DEE

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

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure znna: ZnAc₂+NaOH f: Filtered Scanned by: PT

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CALSCIENCE

WORK ORDER NUMBER: 11-12-1939

The difference is service

RECEIVED
JAN 11 2012

BY:



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 70234

Attention: Janice Jacobson
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Cecile de Guia

Approved for release on 01/9/2012 by:
Cecile deGuia
Project Manager

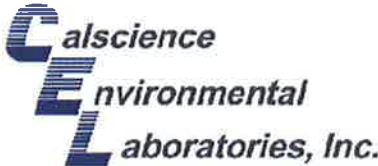
ResultLink ▶

Email your PM ▶



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 analyses, 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.





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Work Order Number: 11-12-1939

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 - 1.3 EPA 8015B (M) TPH Diesel (Solid) 5
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Analytical Report



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

Date Received: 12/28/11
Work Order No: 11-12-1939
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 70234

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-SP1 (1,2,3,4) | 11-12-1939-5-A | 12/22/11 14:45 | Solid | GC 48 | 12/29/11 | 12/29/11 22:15 | 111229B04S |

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

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

| | | | | | | | |
|--------------|------------------|-----|-------|-------|----------|----------------|------------|
| Method Blank | 099-12-254-2,296 | N/A | Solid | GC 48 | 12/29/11 | 12/29/11 19:01 | 111229B04S |
|--------------|------------------|-----|-------|-------|----------|----------------|------------|

| 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 | |

Return to Contents

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

Analytical Report



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

Date Received: 12/28/11
Work Order No: 11-12-1939
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 70234

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-SP1 (1,2,3,4) | 11-12-1939-5-A | 12/22/11 14:45 | Solid | GC 48 | 12/29/11 | 12/29/11 22:15 | 111229B05S |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|------------------|---------------|-----------|-----------|-------------|--------------|
| TPH as Kerosene | 8.0 | 5.0 | 1 | SG | mg/kg |

| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> |
|--------------------|----------------|-----------------------|-------------|
| Decachlorobiphenyl | 110 | 61-145 | |

| | | | | | | | |
|---------------------|----------------------|------------|--------------|--------------|-----------------|---------------------------|-------------------|
| Method Blank | 099-12-291-65 | N/A | Solid | GC 48 | 12/29/11 | 12/29/11 19:01 | 111229B05S |
|---------------------|----------------------|------------|--------------|--------------|-----------------|---------------------------|-------------------|

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|------------------|---------------|-----------|-----------|-------------|--------------|
| TPH as Kerosene | ND | 5.0 | 1 | U | mg/kg |

| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> |
|--------------------|----------------|-----------------------|-------------|
| Decachlorobiphenyl | 108 | 61-145 | |

Return to Contents

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

Analytical Report



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

Date Received: 12/28/11
Work Order No: 11-12-1939
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: ExxonMobil 70234

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-SP1 (1,2,3,4) | 11-12-1939-5-A | 12/22/11 14:45 | Solid | GC 48 | 12/29/11 | 12/29/11 22:15 | 111229B03S |

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

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

| | | | | | | | |
|---------------------|-------------------------|------------|--------------|--------------|-----------------|---------------------------|-------------------|
| Method Blank | 099-12-275-4,323 | N/A | Solid | GC 48 | 12/29/11 | 12/29/11 19:01 | 111229B03S |
|---------------------|-------------------------|------------|--------------|--------------|-----------------|---------------------------|-------------------|

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

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

Return to Contents

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



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

Date Received: 12/28/11
Work Order No: 11-12-1939
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: ExxonMobil 70234

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-SP1 (1,2,3,4) | 11-12-1939-5-A | 12/22/11 14:45 | Solid | GC 22 | 01/03/12 | 01/03/12 15:29 | 120103B01 |

| Parameter | Result | RL | DF | Qual | Units |
|-----------------|--------|-----|----|------|-------|
| TPH as Gasoline | 40 | 4.0 | 8 | | mg/kg |

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 92 | 42-126 | |

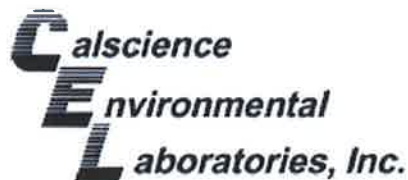
| | | | | | | | |
|--------------|----------------|-----|-------|-------|----------|-------------------|-----------|
| Method Blank | 099-14-571-136 | N/A | Solid | GC 22 | 01/03/12 | 01/03/12 13:11 | 120103B01 |
|--------------|----------------|-----|-------|-------|----------|-------------------|-----------|

| 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 | 90 | 42-126 | |

Return to Contents

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers



Analytical Report



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

Date Received: 12/28/11
Work Order No: 11-12-1939
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70234

Page 1 of 3

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-SP1 (1,2,3,4) | 11-12-1939-5-A | 12/22/11 14:45 | Solid | GC/MS Q | 12/28/11 | 01/03/12 21:08 | 120103L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---------------------------------------|----------------|-----------------------|-------------|------|--------------------------|----------------|-----------------------|-------------|------|
| Benzene | 0.0068 | 0.0050 | 1 | | 2-Chlorotoluene | ND | 0.0050 | 1 | U |
| Toluene | 0.012 | 0.0050 | 1 | | 4-Chlorotoluene | ND | 0.0050 | 1 | U |
| Ethylbenzene | 0.048 | 0.0050 | 1 | | 4-Methyl-2-Pentanone | ND | 0.050 | 1 | U |
| Xylenes (total) | 0.46 | 0.0050 | 1 | | Acetone | ND | 0.12 | 1 | U |
| Methyl-t-Butyl Ether (MTBE) | ND | 0.50 | 100 | U | Bromobenzene | ND | 0.0050 | 1 | U |
| Tert-Butyl Alcohol (TBA) | 0.076 | 0.050 | 1 | | Bromochloromethane | ND | 0.0050 | 1 | U |
| Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | U | Bromoform | ND | 0.0050 | 1 | U |
| Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | U | Bromomethane | ND | 0.025 | 1 | U |
| Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 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 | 0.022 | 0.0050 | 1 | |
| 1,2,4-Trimethylbenzene | 1.1 | 0.50 | 100 | | 2-Butanone | ND | 0.050 | 1 | U |
| 1,3,5-Trimethylbenzene | 0.16 | 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 | 0.078 | 0.050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | U | n-Butylbenzene | 0.059 | 0.0050 | 1 | |
| 1,2-Dichlorobenzene | ND | 0.0050 | 1 | U | n-Propylbenzene | 0.091 | 0.0050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | U | p-Isopropyltoluene | 0.0070 | 0.0050 | 1 | |
| 1,2-Dichloropropane | ND | 0.0050 | 1 | U | sec-Butylbenzene | 0.012 | 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 | 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 |
| 2,2-Dichloropropane | ND | 0.0050 | 1 | U | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 117 | 60-132 | | | Dibromofluoromethane | 113 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 114 | 62-146 | | | Toluene-d8 | 110 | 80-120 | | |

Return to Contents

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



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

Date Received: 12/28/11
Work Order No: 11-12-1939
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70234

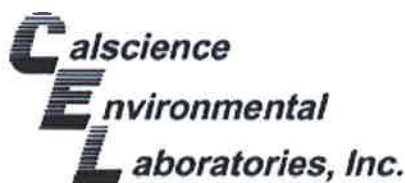
Page 2 of 3

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-12-882-1,249 | N/A | Solid | GC/MS Q | 01/03/12 | 01/03/12 15:48 | 120103L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---------------------------------------|----------------|-----------------------|-------------|------|--------------------------|----------------|-----------------------|-------------|------|
| Benzene | ND | 0.0050 | 1 | U | 2-Chlorotoluene | ND | 0.0050 | 1 | U |
| Toluene | ND | 0.0050 | 1 | U | 4-Chlorotoluene | ND | 0.0050 | 1 | U |
| Ethylbenzene | ND | 0.0050 | 1 | U | 4-Methyl-2-Pentanone | ND | 0.050 | 1 | U |
| Xylenes (total) | ND | 0.0050 | 1 | U | Acetone | ND | 0.12 | 1 | U |
| Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | U | Bromobenzene | ND | 0.0050 | 1 | U |
| Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | U | Bromochloromethane | ND | 0.0050 | 1 | U |
| Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | U | Bromoform | ND | 0.0050 | 1 | U |
| Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | U | Bromomethane | ND | 0.025 | 1 | U |
| Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 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 |
| 1,1,1,2-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 |
| 2,2-Dichloropropane | ND | 0.0050 | 1 | U | | | | | |
| Surrogates: | REC (%) | Control Limits | Qual | | Surrogates: | REC (%) | Control Limits | Qual | |
| 1,4-Bromofluorobenzene | 103 | 60-132 | | | Dibromofluoromethane | 109 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 110 | 62-146 | | | Toluene-d8 | 100 | 80-120 | | |

Return to Contents

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



Analytical Report



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

Date Received: 12/28/11
Work Order No: 11-12-1939
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 70234

Page 3 of 3

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-12-882-1,250 | N/A | Solid | GC/MS Q | 01/03/12 | 01/03/12 18:39 | 120103L02 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---------------------------------------|----------------|-----------------------|-------------|------|--------------------------|----------------|-----------------------|-------------|------|
| Benzene | ND | 0.50 | 100 | U | 2-Chlorotoluene | ND | 0.50 | 100 | U |
| Toluene | ND | 0.50 | 100 | U | 4-Chlorotoluene | ND | 0.50 | 100 | U |
| Ethylbenzene | ND | 0.50 | 100 | U | 4-Methyl-2-Pentanone | ND | 5.0 | 100 | U |
| Xylenes (total) | ND | 0.50 | 100 | U | Acetone | ND | 12 | 100 | U |
| Methyl-t-Butyl Ether (MTBE) | ND | 0.50 | 100 | U | Bromobenzene | ND | 0.50 | 100 | U |
| Tert-Butyl Alcohol (TBA) | ND | 5.0 | 100 | U | Bromochloromethane | ND | 0.50 | 100 | U |
| Diisopropyl Ether (DIPE) | ND | 1.0 | 100 | U | Bromoform | ND | 0.50 | 100 | U |
| Ethyl-t-Butyl Ether (ETBE) | ND | 1.0 | 100 | U | Bromomethane | ND | 2.5 | 100 | U |
| Tert-Amyl-Methyl Ether (TAME) | ND | 1.0 | 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 |
| 2,2-Dichloropropane | ND | 0.50 | 100 | U | | | | | |
| Surrogates: | REC (%) | Control Limits | Qual | | Surrogates: | REC (%) | Control Limits | Qual | |
| 1,4-Bromofluorobenzene | 105 | 60-132 | | | Dibromofluoromethane | 110 | 63-141 | | |
| 1,2-Dichloroethane-d4 | 110 | 62-146 | | | Toluene-d8 | 104 | 80-120 | | |

Return to Contents

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

Analytical Report



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

Date Received: 12/28/11
 Work Order No: 11-12-1939
 Preparation: EPA 3050B
 Method: EPA 6010B

Project: ExxonMobil 70234

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| S-SP1 (1,2,3,4) | 11-12-1939-5-A | 12/22/11 14:45 | Solid | ICP 5300 | 12/30/11 | 12/30/11 18:43 | 111230L03 |

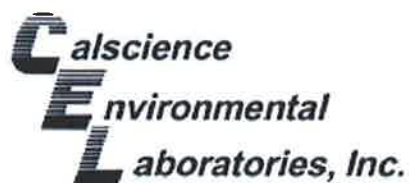
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|------------------|---------------|-----------|-----------|-------------|--------------|
| Lead | 4.50 | 0.500 | 1 | | mg/kg |

| | | | | | | | |
|---------------------|--------------------------|------------|--------------|-----------------|-----------------|---------------------------|------------------|
| Method Blank | 097-01-002-15,556 | N/A | Solid | ICP 5300 | 12/30/11 | 12/30/11 17:18 | 111230L03 |
|---------------------|--------------------------|------------|--------------|-----------------|-----------------|---------------------------|------------------|

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|------------------|---------------|-----------|-----------|-------------|--------------|
| Lead | ND | 0.500 | 1 | U | mg/kg |

Return to Contents

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



Quality Control - Spike/Spike Duplicate



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

Date Received: 12/28/11
Work Order No: 11-12-1939
Preparation: EPA 3050B
Method: EPA 6010B

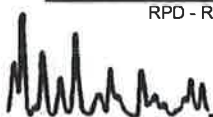
Project ExxonMobil 70234

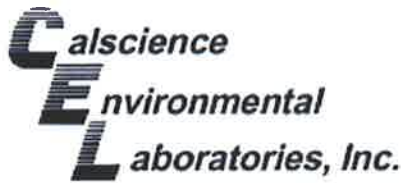
| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| 11-12-1776-1 | Solid | ICP 5300 | 12/30/11 | 12/30/11 | 111230S03 |

| Parameter | SPIKE ADDED | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|---------|----------|---------|-----|--------|------------|
| Lead | 25.00 | 114 | 84 | 75-125 | 11 | 0-20 | |

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - PDS / PSD



| | | |
|--------------------------|----------------|------------|
| Cardno ERI | Date Received | 12/28/11 |
| 601 North McDowell Blvd. | Work Order No: | 11-12-1939 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 3050B |
| | Method: | EPA 6010B |

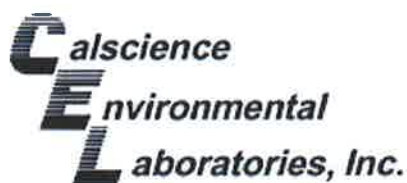
Project: ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | PDS / PSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|------------------------|
| 11-12-1776-1 | Solid | ICP 5300 | 12/30/11 | 12/30/11 | 111230S03 |

| Parameter | <u>SPIKE ADDED</u> | <u>PDS %REC</u> | <u>PSD %REC</u> | <u>%REC CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|-----------|--------------------|-----------------|-----------------|----------------|------------|---------------|-------------------|
| Lead | 25.00 | 94 | 94 | 75-125 | 0 | 0-20 | |

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



| | | |
|--------------------------|----------------|---------------|
| Cardno ERI | Date Received: | 12/28/11 |
| 601 North McDowell Blvd. | Work Order No: | 11-12-1939 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 3550B |
| | Method: | EPA 8015B (M) |

Project ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| S-SP1 (1,2,3,4) | Solid | GC 48 | 12/29/11 | 12/29/11 | 111229S04 |

| <u>Parameter</u> | <u>SPIKE ADDED</u> | <u>MS %REC</u> | <u>MSD %REC</u> | <u>%REC CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|------------------|--------------------|----------------|-----------------|----------------|------------|---------------|-------------------|
| TPH as Motor Oil | 400.0 | 115 | 128 | 64-130 | 11 | 0-15 | |

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

Date Received: 12/28/11
Work Order No: 11-12-1939
Preparation: EPA 3550B
Method: EPA 8015B (M)

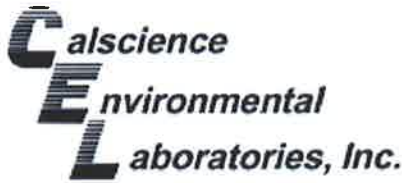
Project ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| S-SP1 (1,2,3,4) | Solid | GC 48 | 12/29/11 | 12/29/11 | 111229S03 |

| Parameter | SPIKE ADDED | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---------------|-------------|---------|----------|---------|-----|--------|------------|
| TPH as Diesel | 400.0 | 96 | 102 | 64-130 | 6 | 0-15 | |

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

Date Received: 12/28/11
Work Order No: 11-12-1939
Preparation: EPA 3550B
Method: EPA 8015B (M)

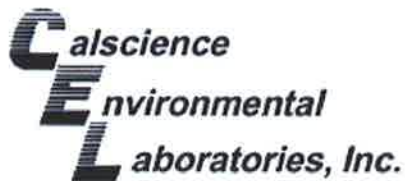
Project ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| S-SP1 (1,2,3,4) | Solid | GC 48 | 12/29/11 | 12/29/11 | 111229S05 |

| Parameter | SPIKE ADDED | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|-------------|---------|----------|---------|-----|--------|------------|
| TPH as Kerosene | 400.0 | 92 | 97 | 64-130 | 6 | 0-15 | |

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

Date Received: 12/28/11
Work Order No: 11-12-1939
Preparation: EPA 5030C
Method: EPA 8260B

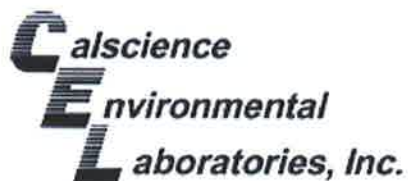
Project ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| 12-01-0029-3 | Solid | GC/MS Q | 01/03/12 | 01/03/12 | 120103S01 |

| Parameter | SPIKE ADDED | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|-------------|---------|----------|---------|-----|--------|------------|
| Benzene | 0.05000 | 96 | 93 | 61-127 | 3 | 0-20 | |
| Toluene | 0.05000 | 95 | 92 | 63-123 | 4 | 0-20 | |
| Ethylbenzene | 0.05000 | 91 | 86 | 57-129 | 6 | 0-22 | |
| Methyl-t-Butyl Ether (MTBE) | 0.05000 | 110 | 106 | 57-123 | 4 | 0-21 | |
| Tert-Butyl Alcohol (TBA) | 0.2500 | 79 | 75 | 30-168 | 5 | 0-34 | |
| Diisopropyl Ether (DIPE) | 0.05000 | 106 | 101 | 57-129 | 5 | 0-20 | |
| Ethyl-t-Butyl Ether (ETBE) | 0.05000 | 107 | 102 | 55-127 | 4 | 0-20 | |
| Tert-Amyl-Methyl Ether (TAME) | 0.05000 | 108 | 104 | 58-124 | 4 | 0-20 | |
| Ethanol | 0.5000 | 36 | 25 | 17-167 | 11 | 0-47 | |
| 1,1-Dichloroethene | 0.05000 | 101 | 96 | 47-143 | 6 | 0-25 | |
| 1,2-Dibromoethane | 0.05000 | 101 | 94 | 64-124 | 7 | 0-20 | |
| 1,2-Dichlorobenzene | 0.05000 | 82 | 77 | 35-131 | 7 | 0-25 | |
| 1,2-Dichloroethane | 0.05000 | 106 | 100 | 80-120 | 5 | 0-20 | |
| Carbon Tetrachloride | 0.05000 | 108 | 105 | 51-135 | 3 | 0-29 | |
| Chlorobenzene | 0.05000 | 89 | 84 | 57-123 | 6 | 0-20 | |
| Trichloroethene | 0.05000 | 100 | 96 | 44-158 | 4 | 0-20 | |
| Vinyl Chloride | 0.05000 | 97 | 90 | 49-139 | 7 | 0-47 | |

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 11-12-1939
Preparation: EPA 3050B
Method: EPA 6010B

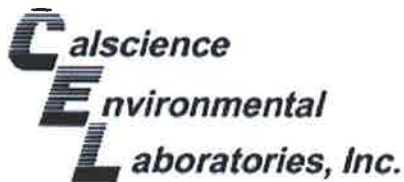
Project: ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 097-01-002-15,556 | Solid | ICP 5300 | 12/30/11 | 12/30/11 | 111230L03 |

| Parameter | SPIKE ADDED | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|----------|-----------|---------|-----|--------|------------|
| Lead | 25.00 | 104 | 105 | 80-120 | 1 | 0-20 | |

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 11-12-1939
Preparation: EPA 3550B
Method: EPA 8015B (M)

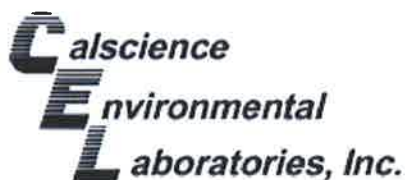
Project: ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-254-2,296 | Solid | GC 48 | 12/29/11 | 12/29/11 | 111229B04S |

| Parameter | SPIKE ADDED | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|------------------|-------------|----------|-----------|---------|-----|--------|------------|
| TPH as Motor Oil | 400.0 | 122 | 122 | 75-123 | 0 | 0-12 | |

Return to Contents

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - LCS/LCS Duplicate



| | | |
|--------------------------|----------------|---------------|
| Cardno ERI | Date Received: | N/A |
| 601 North McDowell Blvd. | Work Order No: | 11-12-1939 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 3550B |
| | Method: | EPA 8015B (M) |

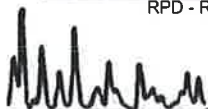
Project: ExxonMobil 70234

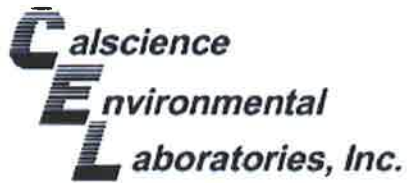
| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-275-4,323 | Solid | GC 48 | 12/29/11 | 12/29/11 | 111229B03S |

| <u>Parameter</u> | <u>SPIKE ADDED</u> | <u>LCS %REC</u> | <u>LCSD %REC</u> | <u>%REC CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|------------------|--------------------|-----------------|------------------|----------------|------------|---------------|-------------------|
| TPH as Diesel | 400.0 | 99 | 102 | 75-123 | 3 | 0-12 | |

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



| | | |
|--------------------------|----------------|---------------|
| Cardno ERI | Date Received: | N/A |
| 601 North McDowell Blvd. | Work Order No: | 11-12-1939 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 3550B |
| | Method: | EPA 8015B (M) |

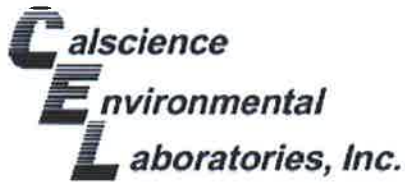
Project: ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-291-65 | Solid | GC 48 | 12/29/11 | 12/29/11 | 111229B05S |

| <u>Parameter</u> | <u>SPIKE ADDED</u> | <u>LCS %REC</u> | <u>LCSD %REC</u> | <u>%REC CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|------------------|--------------------|-----------------|------------------|----------------|------------|---------------|-------------------|
| TPH as Kerosene | 400.0 | 98 | 94 | 75-123 | 4 | 0-12 | |

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



| | | |
|--------------------------|----------------|---------------|
| Cardno ERI | Date Received: | N/A |
| 601 North McDowell Blvd. | Work Order No: | 11-12-1939 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8015B (M) |

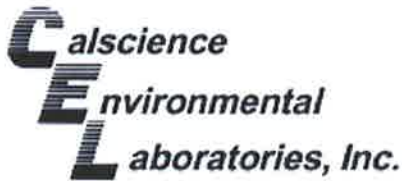
Project: ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-14-571-136 | Solid | GC 22 | 01/03/12 | 01/03/12 | 120103B01 |

| <u>Parameter</u> | <u>SPIKE ADDED</u> | <u>LCS %REC</u> | <u>LCSD %REC</u> | <u>%REC CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|------------------|--------------------|-----------------|------------------|----------------|------------|---------------|-------------------|
| TPH as Gasoline | 10.00 | 81 | 80 | 70-124 | 1 | 0-18 | |

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 11-12-1939
Preparation: EPA 5030C
Method: EPA 8260B

Project: ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|-------------------------------|-------------|------------|---------------|---------------|-----------------------|-----|--------|------------|
| 099-12-882-1,249 | Solid | GC/MS Q | 01/03/12 | 01/03/12 | 120103L01 | | | |
| Parameter | SPIKE ADDED | LCS %REC | LCSD %REC | %REC CL | ME CL | RPD | RPD CL | Qualifiers |
| Benzene | 0.05000 | 91 | 89 | 78-120 | 71-127 | 2 | 0-20 | |
| Toluene | 0.05000 | 89 | 88 | 77-120 | 70-127 | 1 | 0-20 | |
| Ethylbenzene | 0.05000 | 87 | 85 | 76-120 | 69-127 | 3 | 0-20 | |
| Methyl-t-Butyl Ether (MTBE) | 0.05000 | 101 | 103 | 77-120 | 70-127 | 2 | 0-20 | |
| Tert-Butyl Alcohol (TBA) | 0.2500 | 77 | 76 | 68-122 | 59-131 | 2 | 0-20 | |
| Diisopropyl Ether (DIPE) | 0.05000 | 98 | 98 | 78-120 | 71-127 | 0 | 0-20 | |
| Ethyl-t-Butyl Ether (ETBE) | 0.05000 | 98 | 99 | 78-120 | 71-127 | 1 | 0-20 | |
| Tert-Amyl-Methyl Ether (TAME) | 0.05000 | 97 | 100 | 75-120 | 68-128 | 3 | 0-20 | |
| Ethanol | 0.5000 | 67 | 61 | 56-140 | 42-154 | 9 | 0-20 | |
| 1,1-Dichloroethene | 0.05000 | 95 | 91 | 74-122 | 66-130 | 5 | 0-20 | |
| 1,2-Dibromoethane | 0.05000 | 96 | 94 | 80-120 | 73-127 | 2 | 0-20 | |
| 1,2-Dichlorobenzene | 0.05000 | 86 | 84 | 75-120 | 68-128 | 2 | 0-20 | |
| 1,2-Dichloroethane | 0.05000 | 99 | 98 | 80-120 | 73-127 | 0 | 0-20 | |
| Carbon Tetrachloride | 0.05000 | 103 | 101 | 49-139 | 34-154 | 2 | 0-20 | |
| Chlorobenzene | 0.05000 | 87 | 84 | 79-120 | 72-127 | 3 | 0-20 | |
| Trichloroethene | 0.05000 | 94 | 92 | 80-120 | 73-127 | 2 | 0-20 | |
| Vinyl Chloride | 0.05000 | 87 | 85 | 68-122 | 59-131 | 2 | 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



Quality Control - LCS/LCS Duplicate



| | | |
|--------------------------|----------------|------------|
| Cardno ERI | Date Received: | N/A |
| 601 North McDowell Blvd. | Work Order No: | 11-12-1939 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |

Project: ExxonMobil 70234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-882-1,250 | Solid | GC/MS Q | 01/03/12 | 01/03/12 | 120103L02 |

| Parameter | SPIKE ADDED | LCS %REC | LCSD %REC | %REC CL | ME CL | RPD | RPD CL | Qualifiers |
|-------------------------------|-------------|----------|-----------|---------|--------|-----|--------|------------|
| Benzene | 0.05000 | 91 | 89 | 78-120 | 71-127 | 2 | 0-20 | |
| Toluene | 0.05000 | 89 | 88 | 77-120 | 70-127 | 1 | 0-20 | |
| Ethylbenzene | 0.05000 | 87 | 85 | 76-120 | 69-127 | 3 | 0-20 | |
| Methyl-t-Butyl Ether (MTBE) | 0.05000 | 101 | 103 | 77-120 | 70-127 | 2 | 0-20 | |
| Tert-Butyl Alcohol (TBA) | 0.2500 | 77 | 76 | 68-122 | 59-131 | 2 | 0-20 | |
| Diisopropyl Ether (DIPE) | 0.05000 | 98 | 98 | 78-120 | 71-127 | 0 | 0-20 | |
| Ethyl-t-Butyl Ether (ETBE) | 0.05000 | 98 | 99 | 78-120 | 71-127 | 1 | 0-20 | |
| Tert-Amyl-Methyl Ether (TAME) | 0.05000 | 97 | 100 | 75-120 | 68-128 | 3 | 0-20 | |
| Ethanol | 0.5000 | 67 | 61 | 56-140 | 42-154 | 9 | 0-20 | |
| 1,1-Dichloroethene | 0.05000 | 95 | 91 | 74-122 | 66-130 | 5 | 0-20 | |
| 1,2-Dibromoethane | 0.05000 | 96 | 94 | 80-120 | 73-127 | 2 | 0-20 | |
| 1,2-Dichlorobenzene | 0.05000 | 86 | 84 | 75-120 | 68-128 | 2 | 0-20 | |
| 1,2-Dichloroethane | 0.05000 | 99 | 98 | 80-120 | 73-127 | 0 | 0-20 | |
| Carbon Tetrachloride | 0.05000 | 103 | 101 | 49-139 | 34-154 | 2 | 0-20 | |
| Chlorobenzene | 0.05000 | 87 | 84 | 79-120 | 72-127 | 3 | 0-20 | |
| Trichloroethene | 0.05000 | 94 | 92 | 80-120 | 73-127 | 2 | 0-20 | |
| Vinyl Chloride | 0.05000 | 87 | 85 | 68-122 | 59-131 | 2 | 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

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 11-12-1939

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

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



7939

| | | | |
|--|--|--|------------|
|  | | < WebShip > >>>> 800-322-5555 www.gso.com | |
| Ship From: ALAN KEMP CAL SCIENCE- CONCORD 5063 COMMERCIAL CIRCLE #H CONCORD, CA 94520 | | Tracking #: 518126591  | NPS |
| Ship To: SAMPLE RECEIVING CEL 7440 LINCOLN WAY GARDEN GROVE, CA 92841 | | ORC GARDEN GROVE A | |
| COD: \$0.00 | | D92841A  97243282 | |
| Reference: CARDNO ERI, STANTEC | | Print Date : 12/27/11 15:01 PM | |
| Delivery Instructions: | | Signature Type: SIGNATURE REQUIRED | |

Package 1 of 1

Print All

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:

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 not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

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WORK ORDER #: 11-12-1939

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Cardno ERI

DATE: 12/28/11

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.6 °C - 0.3 °C (CF) = 3.3 °C Blank Sample

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

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

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

Ambient Temperature: Air Filter Initial: HP

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: HP

Sample _____ No (Not Intact) Not Present Initial: KM

SAMPLE CONDITION:

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

CONTAINER TYPE:

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

Water: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 1PBna 500PB

250PB 250PBn 125PB 125PBzanna 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® Other: _____ Trip Blank Lot#: _____ Labeled/Checked by: KM

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

Preservative: h: HCL n: HNO₃ na₂:Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure zanna: ZnAc₂+NaOH f: Filtered Scanned by: PT

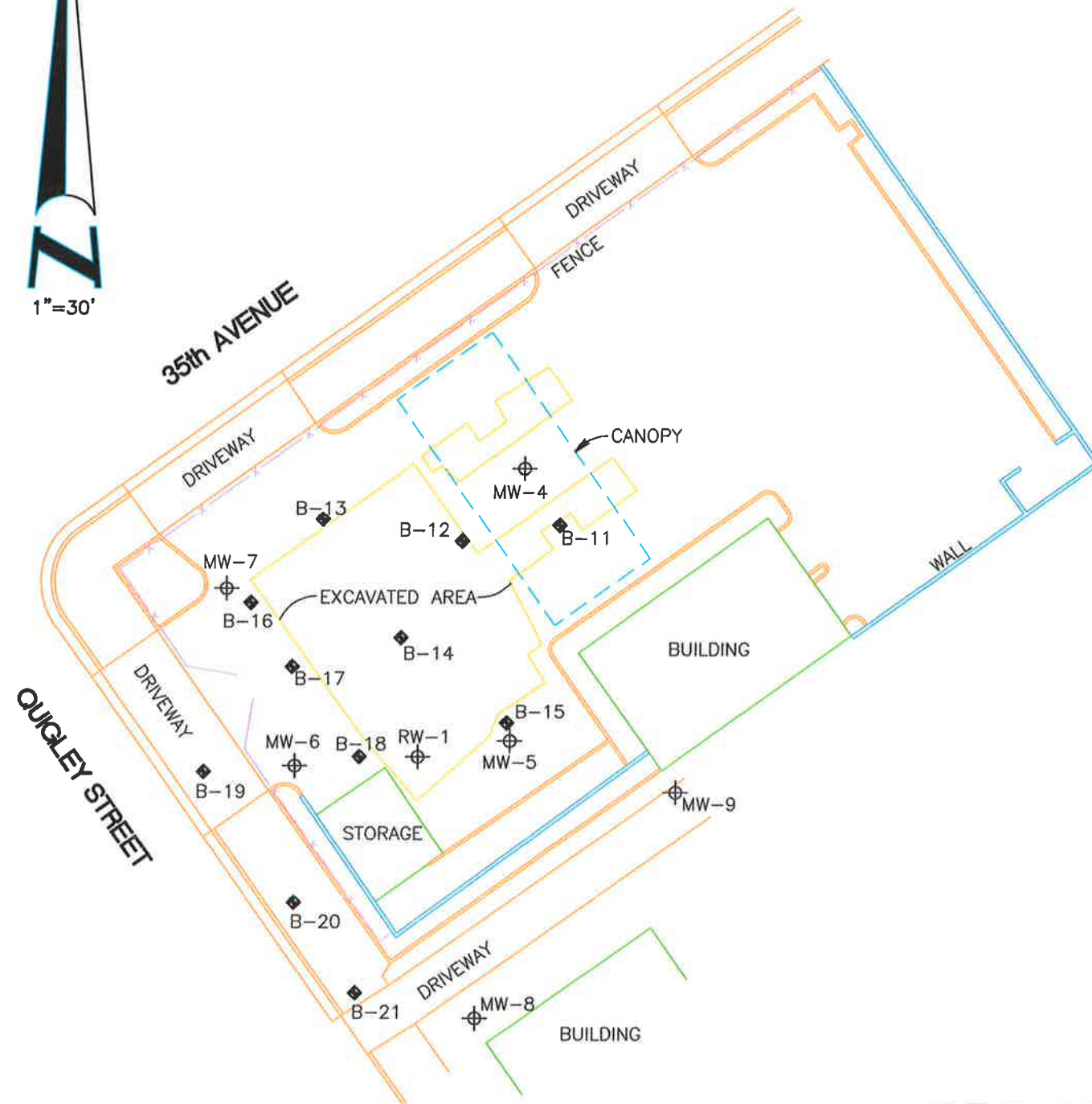
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APPENDIX F

SURVEY DATA

Monitoring Well Exhibit


Prepared For:
Environmental Resolutions, Inc.



| DESCRIPTION | NORTHING | EASTING | LATITUDE | LONGITUDE | ELEV (PVC) | ELEV (GND) |
|----------------------------|-----------|-----------|------------|--------------|------------|-------------|
| B-11 | 2115566.3 | 6069910.0 | 37.7926801 | -122.2019528 | | 197.8 |
| B-12 | 2115563.4 | 6069891.0 | 37.7926709 | -122.2020186 | | 196.8 |
| B-13 | 2115567.5 | 6069863.8 | 37.7926810 | -122.2021127 | | 196.2 |
| B-14 | 2115544.6 | 6069879.2 | 37.7926187 | -122.2020581 | | 196.0 |
| B-15 | 2115528.0 | 6069899.9 | 37.7925743 | -122.2019856 | | 196.8 |
| B-16 | 2115551.3 | 6069849.9 | 37.7926359 | -122.2021601 | | 194.7 |
| B-17 | 2115538.9 | 6069858.0 | 37.7926022 | -122.2021310 | | 194.5 |
| B-18 | 2115521.4 | 6069871.2 | 37.7925549 | -122.2020844 | | 194.4 |
| B-19 | 2115518.5 | 6069840.7 | 37.7925451 | -122.2021898 | | 192.0 |
| B-20 | 2115493.1 | 6069858.6 | 37.7924763 | -122.2021263 | | 191.6 |
| B-21 | 2115475.5 | 6069870.6 | 37.7924287 | -122.2020835 | | 191.4 |
| MW-4 | 2115577.4 | 6069903.2 | 37.7927102 | -122.2019772 | 197.62 | 197.90(rim) |
| MW-5 | 2115524.5 | 6069900.5 | 37.7925647 | -122.2019831 | 196.35 | 196.73(rim) |
| MW-6 | 2115519.6 | 6069858.6 | 37.7925492 | -122.2021277 | 192.41 | 192.99(rim) |
| MW-7 | 2115554.1 | 6069845.1 | 37.7926432 | -122.2021767 | 194.34 | 194.65(rim) |
| MW-8 | 2115470.5 | 6069894.0 | 37.7924161 | -122.2020024 | 192.96 | 193.32(rim) |
| MW-9 | 2115514.5 | 6069933.1 | 37.7925389 | -122.2018699 | 195.16 | 195.54(rim) |
| WELL SURVEYED ON 12-30-11: | | | | | | |
| RW-1 | 2115521.4 | 6069882.6 | 37.7925552 | -122.2020447 | 195.15 | 195.36(rim) |

BASIS OF COORDINATES AND ELEVATIONS:
 COORDINATES ARE CALIFORNIA STATE PLANE ZONE 3 COORDINATES FROM GPS OBSERVATIONS USING UNIVERSITY OF CALIFORNIA BAY AREA DEFORMATION CORS STATION OBSERVATION FILES AND BASED ON THE CALIFORNIA SPATIAL REFERENCE CENTER DATUM, REFERENCE EPOCH 2000.35.
 COORDINATE DATUM IS NAD 83(CORS).
 DATUM ELLIPSOID IS GRS80.
 REFERENCE GEOID IS GEOID99.
 CORS STATIONS USED WERE FARB AND SUTB.
 VERTICAL DATUM IS NAVD 88 FROM GPS OBSERVATIONS.



| | | | |
|--|---|--|--|
| Former Exxon Station 7-0234 3450 35th Avenue Oakland Alameda County California |  | 1255 Starboard Drive West Sacramento California 95691 (916) 372-8124 mark@morrrowsurveying.com | Date: 11-27-07 Scale: 1" = 30' Sheet 1 of 1 Revised: 4-2-09, 1-4-12 Field Book: MW-38, 43 Dwg. No. 1873-139 MAM |
|--|---|--|--|

APPENDIX G

WASTE DISPOSAL DOCUMENTATION

D014-18

NO. 697740

NON-HAZARDOUS WASTE DATA FORM

BEST # 201175

GENERATOR

Generator's Name and Mailing Address: EXXONMOBIL OIL CORP.
 ATTN: EMES ADMINISTRATOR
 2655 W. 190TH ST. #105
 TORRANCE, CA 90504

Generator's Site Address (if different than mailing address):
 EXXONMOBIL 70234 (FORMER)
 3480 35TH AVENUE
 OAKLAND, CA

Generator's Phone: 310-212-2938

Container type removed from site: Drums Vacuum Truck Roll-off Truck Dump Truck Other _____

Container type transported to receiving facility: Drums Vacuum Truck Roll-off Truck Dump Truck Other _____

Quantity: 1 Volume: 55 gallons

WASTE DESCRIPTION: NON-HAZARDOUS WATER GENERATING PROCESS: WELL PURGING / DECON WATER

| COMPONENTS OF WASTE | | PPM | % | COMPONENTS OF WASTE | | PPM | % |
|---------------------|-------|-----|---------|---------------------|--|-----|---|
| 1. | WATER | | 99-100% | 3. | | | |
| 2. | TPH | | <1% | 4. | | | |

Waste Profile: 12620 PROPERTIES: pH 7-10 SOLID LIQUID SLUDGE SLURRY OTHER 4105

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PROTECTIVE CLOTHING.

Cardno ERI - Petaluma

on behalf of ExxonMobil

Generator Printed/Typed Name: Tanice A. Jacobson Signature: [Signature] Month Day Year: 12/22/12

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE Phone#: 949-480-5200

Transporter 1 Printed/Typed Name: Larry Moutnart Signature: [Signature] Month Day Year: 12/22/12

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: Belshire Phone#: 949-4100-5200

Transporter 2 Printed/Typed Name: PAUL DELORENZO Signature: [Signature] Month Day Year: 12/2/12

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: J. Keller Signature: [Signature] Month Day Year: 08/02/12

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

D60295
NO. 697060

NON-HAZARDOUS WASTE DATA FORM

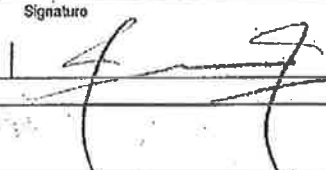
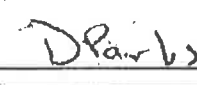

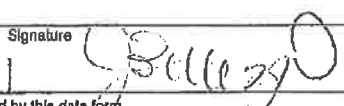
BEST # 201175

| | | | | | | |
|--|--|---------------------------------|--|--|-----------------------------------|---|
| GENERATOR | Generator's Name and Mailing Address EXXONMOBIL OIL CORP. ATTN: EMES ADMINISTRATOR 2535 W. 190TH ST. #1105 TORRANCE, CA 90504 <i>9714D</i> | | Generator's Site Address (if different than mailing address) EXXONMOBIL 70234 (FORMER) 3450 35TH AVENUE OAKLAND, CA | | | |
| | Generator's Phone: 310-212-2938 | | <i>D60295</i> | | | |
| | Container type removed from site: <input checked="" type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____ | | Container type transported to receiving facility: <input checked="" type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____ | | | |
| | Quantity: <u>3</u> | | Quantity: <u>3</u> Volume: <u>165 gallons</u> | | | |
| | WASTE DESCRIPTION: <u>NON-HAZARDOUS WATER</u> | | GENERATING PROCESS: <u>WELL PURGING / DECON WATER</u> | | | |
| COMPONENTS OF WASTE | | PPM | % | COMPONENTS OF WASTE | PPM | % |
| 1. <u>WATER</u> | | | <u>99-100%</u> | 3. _____ | | |
| 2. <u>TPH</u> | | | <u><1%</u> | 4. _____ | | |
| Waste Profile: <u>12620</u> | | PROPERTIES: pH <u>7-10</u> | | <input type="checkbox"/> SOLID <input checked="" type="checkbox"/> LIQUID <input type="checkbox"/> SLUDGE <input type="checkbox"/> SLURRY <input type="checkbox"/> OTHER <u>1135</u> | | |
| HANDLING INSTRUCTIONS: <u>WEAR ALL APPROPRIATE PROTECTIVE CLOTHING.</u> <u>On behalf of ExxonMobil;</u> | | | | | | |
| Generator Printed/Typed Name <u>Jonice Jacobson</u> | | Signature <i>[Signature]</i> | | Month Day Year <u>11/20/12</u> | | |
| The Generator certifies that the waste as described is 100% non-hazardous | | | | | | |
| TRANSPORTER | Transporter 1 Company Name <u>BELSHIRE</u> | | Phone# <u>949-460-5200</u> | | | |
| | Transporter 1 Printed/Typed Name <u>Danell Parks</u> | | Signature <i>[Signature]</i> | | Month Day Year <u>11/31/12</u> | |
| | Transporter Acknowledgment of Receipt of Materials | | | | | |
| | Transporter 2 Company Name <u>Belshire</u> | | Phone# <u>949-460-5200</u> | | | |
| Transporter 2 Printed/Typed Name <u>Lubasz Pinter</u> | | Signature <i>[Signature]</i> | | Month Day Year <u>11/31/12</u> | | |
| Transporter Acknowledgment of Receipt of Materials | | | | | | |
| RECEIVING FACILITY | Designated Facility Name and Site Address <u>CROSBY & OVERTON</u> <u>1630 W. 17TH STREET</u> <u>LONG BEACH, CA 90813</u> <u>70234</u> <u>716609</u> | | Phone# <u>562-432-5445</u> | | | |
| | Printed/Typed Name <u>Laura Kinsteise</u> | | Signature <i>[Signature]</i> | | Month Day Year <u>12/5/12</u> | |
| Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form. | | | | | | |

NO. 697059 ^{D60069}

NON-HAZARDOUS WASTE DATA FORM

DEST # 201175

| | | | | |
|---|--|--|--|---------------------------------|
| GENERATOR | Generator's Name and Mailing Address EXXONMOBIL OIL CORP. ATTN: EMES ADMINISTRATOR 2553 W. 190TH ST. #1105 TORRANCE, CA 90504 | | Generator's Site Address (if different than mailing address) EXXONMOBIL 70234 (FORMER) 3450 35TH AVENUE OAKLAND, CA | |
| | Generator's Phone: 310-212-2938 | | | |
| | Container type removed from site: <input checked="" type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____ | | Container type transported to receiving facility: <input checked="" type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____ | |
| | Quantity <u>1</u> | | Quantity <u>1</u> Volume <u>55 gallons</u> | |
| WASTE DESCRIPTION NON-HAZARDOUS SLUDGE | | GENERATING PROCESS DRILLING SLUDGE/WATER MIX | | |
| COMPONENTS OF WASTE PPM % 1. WATER _____ 80-100% | | COMPONENTS OF WASTE PPM % 3. SOLIDS _____ 1-40% | | |
| 2. TPH _____ <1% | | 4. _____ _____ _____ | | |
| Waste Profile 58346 | | PROPERTIES: pH 4-10 <input type="checkbox"/> SOLID <input checked="" type="checkbox"/> LIQUID <input type="checkbox"/> SLUDGE <input type="checkbox"/> SLURRY <input type="checkbox"/> OTHER H-H | | |
| HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PROTECTIVE CLOTHING. <i>on behalf of Exxon Mobil:</i> | | | | |
| Generator Printed/Typed Name Janice Johnson | | Signature  | | Month Day Year 1/1/12 |
| 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 Danell Parks | | Signature  | |
| | Transporter 2 Company Name Belshire | | Phone# 1949-460-5200 | |
| | Transporter 2 Printed/Typed Name Lukas Pintel | | Signature  | |
| RECEIVING FACILITY | Designated Facility Name and Site Address CROSBY & OVERTON 1830 W. 17TH STREET LONG BEACH, CA 90813 70234 716608 | | Phone# 562-432-5445 | |
| | Printed/Typed Name J. Kelleza | | Signature  | |
| | Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form. | | | |

Manifest

SOIL SAFE OF CA - TPST Non-Hazardous Soils

↓ Manifest # ↓

| Date of Shipment: <i>1 / 1</i> | Responsible for Payment: | Transport Truck #: <i>111 733</i> | Facility #: <i>A07</i> | Approval Number: <i>386491001</i> | Load #: <i>1001</i> | | |
|--|--|---|---|--------------------------------------|-------------------------|--|-------------|
| Generator's Name and Billing Address: EXXONMOBIL OIL CORP. ATTN: EMES ADMINISTRATOR 2688 W. 190TH ST, #1108 TORRANCE, CA 90504 | | | Generator's Phone #: 310-212-2938 | | | | |
| | | | Person to Contact: | | | | |
| | | | FAX#: | | Customer Account Number | | |
| Consultant's Name and Billing Address: | | | Consultant's Phone #: | | | | |
| | | | Person to Contact: | | | | |
| | | | FAX#: | | Customer Account Number | | |
| Generation Site (Transport from): (name & address) EXXONMOBIL 70234 (FORMER) 3450 35TH AVENUE OAKLAND, CA | | | Site Phone #: | | | | |
| | | | Person to Contact: | | | | |
| | | | FAX#: | | | | |
| Designated Facility (Transport to): (name & address) SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301 | | | Facility Phone #: (800) 862-8001 | | | | |
| | | | Person to Contact: DELLENA JEFFREY | | | | |
| | | | FAX#: (760) 246-8004 | | | | |
| Transporter Name and Mailing Address: BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 201176 | | | Transporter's Phone #: 949-460-5200 | | CAR000183913 | | |
| | | | Person to Contact: LARRY MOOTHART | | 460847 | | |
| | | | FAX#: 949-480-6210 | | Customer Account Number | | |
| Description of Soil | Molsture Content | Contaminated by: | Approx. Qty: | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | <i>4 dms</i> | | <i>38460</i> | <i>36240</i> | <i>2220</i> |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | <i>1.11</i> |
| List any exception to items listed above: <i>Bin # 09 CT</i> | | | | Scale Ticket # <i>99875</i> | | | |
| Generator's and/or consultant's certification: <i>I/We</i> certify that the soil referenced herein is taken entirely from those soils described 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. <i>On behalf of Exxon Mobil</i> | | | | | | | |
| Print or Type Name: <i>Janise Kirkson</i> | | | Signature and date: <i>[Signature]</i> | | | Month Day Year <i>1 20 12</i> | |
| Transporter's certification: <i>I/We</i> acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. <i>I/We</i> 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: <i>Darrell Parks</i> | | | Signature and date: <i>[Signature]</i> | | | Month Day Year <i>1 31 12</i> | |
| Discrepancies: <i>70234 722508</i> | | | | | | | |
| 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: <i>[Signature]</i> | | | <i>2.16.12</i> | |

Generator and/or Consultant

Transporter

Recycling Facility

Please print or type.

TRANSPORTER COPY

9176

NON-HAZARDOUS Waste Hauler Document

Daily Field Ticket No. 72399

80781

GENERATOR

Name: Eggman well # 70231

EPA # _____

Address: 490 35th Ave
Colton Ca

Order Placed: _____ Order Date: _____

DESIGNATED TSD FACILITY

Name: Chilco

EPA # _____

Address: 1005 August 7th
Proctor Ca

ALTERNATE TSD FACILITY

Name: _____

EPA # _____

Address: _____

WASTE

- DRILLING MUD

- GASWELL WATER

- OTHER Drill water

Weight/Volume 1700 Units 600

Container: - Dump Truck

- Tank Truck

This material is nonhazardous because:

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

SIGNATURE OF AUTHORIZED AGENT

DATE

TRANSPORTER

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

Job No. Carolina - ERE

Unit No. 24

Pick-Up Date 2-17-12

SIGNATURE OF BUYER

TSD FACILITY

Name _____ QTY Measured _____

EPA # _____ - BBL - TONS - OTHER

Method of Disposal:

- Injection Well
- Landfill
- Land Treatment
- Surface Impoundment
- Other _____

SIGNATURE OF AUTHORIZED AGENT

DATE

GENERATOR COPY