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Jennifer C. Sedlachek
Project Manager



December 14, 2007

Mr. Steven Plunkett
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

RECEIVED

2:08 pm, Dec 27, 2007

Alameda County
Environmental Health

RE: Former Exxon RAS #7-0234/3450 35th Avenue, Oakland, California.

Dear Mr. Plunkett:

Attached for your review and comment is a copy of the letter report entitled *Soil and Groundwater Investigation Report*, dated December 14, 2007, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details assessment activities for 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 blue ink, appearing to read "J. Sedlachek", with a horizontal line extending to the right.

Jennifer C. Sedlachek
Project Manager

Attachment: ERI's Soil and Groundwater Investigation Report, dated December 14, 2007

cc: w/ attachment
Mr. Chuck Headlee, California Regional Water Quality Control Board, San Francisco Bay Region
Mr. Robert C. Ehlers, M.S., P.E., The Valero Companies, Environmental Liability Management

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



Southern California
Northern California
Pacific Northwest
Southwest
Texas
Montana

December 14, 2007
ERI 247603.R03

Ms. Jennifer C. Sedlachek
ExxonMobil Refining & Supply-Global Remediation
4096 Piedmont Avenue #194
Oakland, California 94611

SUBJECT Soil and Groundwater Investigation Report
Former Exxon Service Station 70234
3450 35th Avenue, Oakland, California

Ms. Sedlachek:

At the request of Exxon Mobil Corporation (Exxon Mobil), Environmental Resolutions, Inc. (ERI) installed eight soil borings (B11 through B18) to evaluate the lateral and vertical extent of petroleum hydrocarbons in soil and groundwater beneath the site. Work was performed as proposed in ERI's *Work Plan for Soil and Groundwater Investigation* (the Work Plan), dated April 13, 2007 and *Project Status and Addendum for Work Plan for Soil and Groundwater Investigation* (the Addendum) dated October 27, 2007. Alameda County Health Care Services Agency, Environmental Health Department (the ACEH) approved the Work Plan in a letter dated May 3, 2007, and the Addendum in electronic correspondence dated December 4, 2007. Agency correspondence is provided in Attachment A.

SITE BACKGROUND

The site is located on the northeastern corner of 35th Avenue and Quigley Street in Oakland, California (Plate 1). Land use in the vicinity of the site is mixed-use commercial and residential (Plate 2). The site was owned by Exxon Mobil until July 2000 when the property and facilities were sold to Valero. The ACEH closed Exxon Mobil's environmental case at the site in 2000.

Three 8,000-gallon gasoline underground storage tanks (USTs) were excavated and removed from the site in 1991 and replaced with three 12,000-gallon gasoline USTs (IT, 1992). In 2002, the three 12,000-gallon gasoline USTs and associated product piping were excavated and removed from the site by Dan Brenton Construction Company on behalf of Valero (TRC, 2002). The locations of the former USTs, dispenser islands, destroyed groundwater monitoring wells, and select site features are shown on Plate 3. Groundwater monitoring was conducted at the site from July 1992 until May 1995 and in September 1999.

Previous Investigations

Investigations were conducted at the site between 1986 and 2000. Three groundwater monitoring wells (MW1 through MW3) were installed and 14 soil borings (B1 through B10, EB1, EB2, SB1, and SB2) were advanced at the site between 1986 and 1997 (HLA, 1988; Alton, 1991; IT, 1992; and EA, 1997). In June 2000, the wells were destroyed after the ACEH granted case closure (ERI, 2000).

Environmental Resolutions, Inc.

601 North McDowell Blvd., Petaluma, CA 94954-2312 | Tel: 707.766.2000 | Fax: 707.789.0414 | Contractor # A/C10-611383

SOIL AND GROUNDWATER INVESTIGATION

Soil and Groundwater Assessment

ERI began drilling activities as scheduled September 10, 2007; however, the work scope was not completed as proposed because subsurface conditions necessitated the use of more powerful drilling equipment. A representative from the ACEH attended the field activities on September 11, 2007. A detailed summary of the field activities is provided in the Addendum (ERI, 2007b).

Subsurface Clearance

Prior to field work, ERI obtained soil boring permits from the Alameda County Public Works Department (Public Works), contacted Underground Service Alert (USA), and contracted with a private utility-locating company to locate underground utilities at the site. Copies of the permits are provided in Attachment B. Field work was performed in accordance with the Work Plan and the Addendum, ERI's field protocol (Attachment C), and a site-specific health and safety plan.

Between September 4 and 6, 2007, the borings were cleared to 8 feet below ground surface (fbgs) using a hand auger to avoid conflicts with existing underground structures. On November 14, 2007, the borehole at location B16 was enlarged and cleared to 8 fbgs using a hand auger. ERI collected soil samples directly from the hand auger during hole clearance for stratigraphic evaluation, and retained the samples collected from the 5-foot interval for laboratory analysis.

Advancement of Soil Borings

Between September 10 and 12, 2007, ERI observed Woodward Drilling Company (Woodward), of Rio Vista, California, attempt to advance borings B11 and B13 using direct-push equipment and solid stem augers. The direct-push equipment met with refusal at 25 fbgs at boring B11 and at 22 fbgs at boring B13 due to adverse subsurface conditions. Attempts were made to advance the borehole at B13 using 2-inch solid stem augers and at an adjacent hole using 6-inch diameter hollow stem augers, refusal was encountered in both boreholes at 21 fbgs and 16 fbgs, respectively.

Because of the adverse subsurface conditions, it was determined that the direct-push rig would not be able to obtain total depth (35 fbgs) and work was suspended pending a re-evaluation of drilling technology. Details of the September 2007 field effort are presented in the Addendum (ERI, 2007b).

Between November 12 and 15, 2007, ERI observed Gregg Drilling and Testing, Inc, (Gregg), of Martinez, California advance eight soil borings, B11 through B18 using a Rhino M5T Track Rig equipped with hollow stem augers and direct-push rods. The soil borings were completed to depths ranging from 21.5 to 40 fbgs.

Soil Sample Collection

At borings B11 and B13 soil samples were collected continuously for stratigraphic evaluation and were retained at approximately 5-foot intervals for laboratory analysis. At the remaining boring locations, soil samples were collected at 5-foot intervals from the base of the hand augered hole to approximately 30 fbgs and then at 2.5-foot intervals. ERI identified the soil samples using visual and manual methods, classified them according to the Unified Soil Classification System (USCS), and constructed boring logs. The boring logs are provided in Attachment D.

Groundwater Collection

Grab water samples were collected at first-encountered water. Water was encountered at approximately 15 fbgs in borings B12 and B14 (former UST backfill) and between 37 and 40 fbgs at the remaining locations. To facilitate groundwater collection, a temporary PVC casing was installed at borings B13 and B16.

Laboratory Analytical Methods

ERI submitted soil and groundwater samples collected from the borings to a California state-certified analytical laboratory, under Chain-of-Custody protocol. Samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg) using Environmental Protection Agency (EPA) Method 8015B and benzene, toluene, ethylbenzene, and total xylenes (BTEX), oxygenated compounds (methyl tertiary butyl ether [MTBE], tertiary butyl alcohol [TBA], tertiary amyl methyl ether [TAME], ethyl tertiary butyl ether [ETBE], and di-isopropyl ether [DIPE]), and lead scavengers (1,2-dichloroethane [1,2-DCA] and 1,2-dibromoethane [EDB]) using EPA Method 8260B. Select samples were also analyzed for ethanol using EPA Method 8260B. Laboratory analytical reports and Chain-of-Custody records are provided in Attachment E.

Waste Disposal

Soil and rinsate water generated during field work activities was stored in twenty-two 55-gallon metal drums at the site. ERI collected one composite soil sample (four brass sleeves) from the drums for laboratory analysis. Upon receipt of the laboratory analytical results, ERI coordinated with Exxon Mobil for disposal of the waste.

Dillard Environmental Services (Dillard) of Byron, California, under direct contract to Exxon Mobil, removed 5 drums of soil from the site on October 5, 2007, and transported the drums to Republic Services, Inc., Vasco Road Landfill (Vasco Road) in Livermore, California, for disposal. On October 12, 2007, Dillard removed one drum of sludge and transported it to Clean Harbors Environmental Services (Clean Harbors) in Buttonwillow, California, for disposal. On November 27, 2007, Dillard removed 12 drums of soil and four drums of sludge and transported them to Vasco Road and Clean Harbors, respectively, for disposal. Disposal documentation is provided Attachment F.

Site Survey

On November 20, 2007, ERI observed Morrow Surveying (Morrow), of West Sacramento, California, survey the site and the soil boring locations. The resultant map is the basis of the site maps included in this report. A copy of the survey report is provided in Attachment G.

RESULTS OF INVESTIGATION

Site Geology and Hydrogeology

Sediments encountered in borings B11 through B18 consist of fine-grained clay and silt mixtures alternating with dense, hard clayey sands with gravel.

Groundwater was encountered between approximately 37 fbgs and 40 fbgs in the borings advanced outside of the excavation. A perched zone was encountered in the borings advanced in the excavation at approximately 15 fbgs (the presumed depth of the base of the excavation).

Residual Petroleum Hydrocarbon Concentrations in Soil

A total of 50 soil samples were collected from eight boring locations as part of the current investigation and submitted for laboratory analysis. A summary of current and historical soil sample analytical results are summarized in Tables 1A and 1B, and select analytical results are presented on Plates 4, 5, and 6. Laboratory analytical reports and Chain-of-Custody records are presented in Attachment E.

Results of this investigation indicate that the maximum concentrations of residual-phase petroleum hydrocarbon concentrations are present in soil samples collected from boring B15 between 20 and 30.5 fbgs, located along the southeast edge of the former UST cavity.

Vertical and Lateral Delineation of Petroleum Hydrocarbons in Soil

Field observations and laboratory analyses of the soil samples collected from borings B11 through B18 indicate that:

- Residual-phase petroleum hydrocarbons in soil are delineated laterally at the eastern former dispenser island and along the western edge of the UST pit, based on the soil sample analytical results from borings B11, B13, and B16. Petroleum hydrocarbon concentrations were not reported at or above the laboratory reporting limits below 34.5 fbgs.
- Residual-phase petroleum hydrocarbons in soil are not delineated laterally along the eastern and southern edge of the former tank pit, based on the soil sample analytical results from soil borings B15, B17, and B18.
- Residual-phase petroleum hydrocarbons in soil are adequately delineated vertically across the site. Concentrations of TPHg, benzene, and MTBE decrease with depth across the site and were not reported at or above the laboratory reporting limit in the sample collected at 38.5 fbgs (B16), the deepest depth explored. Although residual-phase hydrocarbons were reported above the laboratory reporting limits in select samples collected at 35 fbgs and 35.5 fbgs along the eastern and southern edge of the former tank pit, these samples are suspected to be from the capillary fringe zone since groundwater was encountered at approximately 37 fbgs.

Dissolved Petroleum Hydrocarbon Concentrations in Groundwater

Eight grab groundwater samples were collected during the current assessment activities: one from each boring. Perched water was encountered at the base of the back-filled UST basin excavation in borings B12 and B14. The excavation was backfilled with fill and capped with drain rock. Groundwater was encountered in the remaining borings at approximately 37 fbgs. A summary of current grab groundwater analytical results are summarized in Tables 2A and 2B. Laboratory analytical reports and Chain-of-Custody records are presented in Attachment E. A plan view of select current analytical results of grab groundwater samples is presented on Plate 7.

Lateral and Vertical Delineation of Petroleum Hydrocarbons in Groundwater

Field observations and the results of laboratory analyses of groundwater samples collected from soil borings B11 through B18 indicate:

- The lateral extent of petroleum hydrocarbon concentrations is defined to the north and to the west by grab groundwater samples collected from borings B11, B13, and B16. Concentrations of TPHg and benzene were not reported at or above the laboratory reporting limit and concentrations of MTBE were reported at a maximum 7.7 micrograms per liter ($\mu\text{g/L}$) (B16).
- The lateral extent of petroleum hydrocarbon concentrations is not defined south and east of the former UST pit. Concentrations of TPHg, MTBE and benzene reported in grab groundwater samples increase towards the east with the highest concentrations reported in boring B15 at 18,000 $\mu\text{g/L}$, 12,000 $\mu\text{g/L}$, and 3,400 $\mu\text{g/L}$, respectively. The highest concentrations of TPHg, MTBE, and benzene reported south of the UST pit were 4,300 $\mu\text{g/L}$ (B18), 2,200 $\mu\text{g/L}$ (B17), and 52 $\mu\text{g/L}$ (B18), respectively.

CONCLUSIONS

Based on the results of assessment activities, ERI concludes that:

- The highest concentrations of residual petroleum hydrocarbons are present in soil samples collected from boring B15, located adjacent to the southeast edge of the UST pit.

- Residual-phase petroleum hydrocarbons in soil are delineated laterally at the eastern former dispenser island and along the western edge of the UST pit.
- Residual-phase petroleum hydrocarbons in soil are not delineated laterally along the eastern and southern edge of the former tank pit.
- Residual-phase petroleum hydrocarbons in soil are adequately delineated vertically across the site.
- Perched water is present at the base of backfilled UST excavation.
- The lateral extent of dissolved-phase petroleum hydrocarbon concentrations is defined to the north at the eastern dispenser island and along the western edge of the UST pit.
- The lateral extent of dissolved-phase petroleum hydrocarbon concentrations is not defined south and east of the former UST pit.

RECOMMENDATIONS

To further assess dissolved-phase petroleum hydrocarbon concentrations in the vicinity of the former UST pit, ERI recommends additional assessment southeast and southwest of the UST pit.

DOCUMENT DISTRIBUTION

ERI recommends that copies of this report be forwarded to the following:

Mr. Steven Plunkett
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

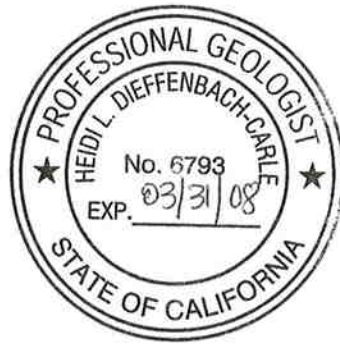
Mr. Chuck Headlee
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

Mr. Robert C. Ehlers, M.S., P.E.
The Valero Companies
Environmental Liability Management
685 West Third Street
Hanford, California 93230

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this investigation was performed. This report has been prepared for Exxon Mobil, and any reliance on this report by third parties shall be at such party's sole risk.

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



Sincerely,
Environmental Resolutions, Inc.

Heidi Chappell

Rebekah A. Westrup
Senior Staff Geologist

Heidi Dieffenbach-Carle

Heidi Dieffenbach-Carle
P.G. 6793

Attachments: References

- Table 1A: Laboratory Analytical Results of Soil Samples
- Table 1B: Additional Laboratory Analytical Results of Soil Samples
- Table 2A: Laboratory Analytical Results of Grab Groundwater Samples
- Table 2B: Additional Laboratory Analytical Results of Grab Groundwater Samples

- Plate 1: Site Vicinity Map
- Plate 2: Local Area Map
- Plate 3: Generalized Site Plan
- Plate 4: Select Analytical Results - TPHg
- Plate 5: Select Analytical Results - Benzene
- Plate 6: Select Analytical Results - MTBE
- Plate 7: Select Grab Groundwater Analytical Results

- Attachment A: Regulatory Correspondence
- Attachment B: Permits
- Attachment C: Field Protocol
- Attachment D: Unified Soil Classification System, Symbol Key, and Boring Logs
- Attachment E: Laboratory Analytical Reports and Chain-of-Custody Records
- Attachment F: Waste Disposal Documentation
- Attachment G: Survey Report

REFERENCES

Alton Geoscience (Alton). 1991. Boring logs B1 through B10.

EA Engineering (EA). September 1997. *Analytical results for used-oil UST and hydraulic hoist confirmation soil samples.*

Environmental Resolutions, Inc. (ERI). October 30, 2000. *Groundwater Monitoring Well Destruction at Former Exxon Service Station 7-0234, 3450 35th Avenue, Oakland, California.* ERI Project No. 247614.R02.

Environmental Resolutions, Inc. (ERI). April 13, 2007a. *Work Plan for Soil and Groundwater Investigation Former Exxon Service Station 7-0234, 3450 35th Avenue, Oakland, California.* ERI Project No. 247603.W01.

Environmental Resolutions, Inc. (ERI). October 27, 2007b. *Project Status and Addendum for Work Plan for Soil and Groundwater Investigation Former Exxon Service Station 7-0234, 3450 35th Avenue, Oakland, California.* ERI Project No. 247603.W02.

Harding Lawson Associates (HLA). 1988. Plate 2, Site Plan.

International Technology Corporation (IT). September 1992. *Site Assessment Report.*

TRC. September 24, 2002. *Report on Underground Storage Tank and Product Piping Removal, Valero Facility No. 3832, 3450 35th Avenue, Oakland, California.* TRC Project No. 41-0412-01.

TABLE 1A
LABORATORY ANALYTICAL RESULTS OF SOIL SAMPLES
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California
(Page 2 of 3)

| Sample ID | Sampling Date | Sample Depth (fbgs) | TPHg (mg/kg) | MTBE (mg/kg) | B (mg/kg) | T (mg/kg) | E (mg/kg) | X (mg/kg) | Lead (mg/kg) |
|------------|---------------|---------------------|--------------|--------------|-----------|-----------|-----------|-----------|--------------|
| 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 | --- |
| 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 | --- |

**TABLE 1A
LABORATORY ANALYTICAL RESULTS OF SOIL SAMPLES**

Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California
(Page 3 of 3)

| Sample ID | Sampling Date | Sample Depth (fbgs) | TPHg (mg/kg) | MTBE (mg/kg) | B (mg/kg) | T (mg/kg) | E (mg/kg) | X (mg/kg) | Lead (mg/kg) |
|-----------------------|---------------|---------------------|--------------|--------------|-----------|-----------|-----------|-----------|--------------|
| 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 | --- |
| Soil Stockpile | | | | | | | | | |
| SP-1(S-SP1-S-SP4) | 09/12/07 | --- | <0.10 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 7.2 |

Notes:

- 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.
- 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.
- fbgs = Feet below ground surface.
- mg/kg = Milligrams per kilogram.
- < = Less than the stated laboratory reporting limit.
-

= Not analyzed/Not applicable.

TABLE 1B
ADDITIONAL LABORATORY ANALYTICAL RESULTS OF SOIL SAMPLES
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California
(Page 1 of 3)

| Sample ID | Sampling Date | Sample Depth (fbs) | 1,2-DCA (mg/kg) | EDB (mg/kg) | TBA (mg/kg) | DIPE (mg/kg) | ETBE (mg/kg) | TAME (mg/kg) | Ethanol (mg/kg) |
|--|---------------|--------------------|-----------------|-------------|-------------|--------------|--------------|--------------|-----------------|
| <u>Samples from the UST Cavity Sidewall</u> | | | | | | | | | |
| Not analyzed for these analytes. | | | | | | | | | |
| <u>Samples from Beneath Product Piping</u> | | | | | | | | | |
| Not analyzed for these analytes. | | | | | | | | | |
| <u>Soil Borings</u> | | | | | | | | | |
| S-5-B11 | 09/05/07 | 5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-10-B11 | 09/10/07 | 10 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-13.5-B11 | 09/10/07 | 13.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-18-B11 | 09/11/07 | 18 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-20-B11 | 09/11/07 | 20 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-25.5-B11 | 11/14/07 | 25.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-29.5-B11 | 11/14/07 | 29.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-34.5-B11 | 11/14/07 | 34.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-5-B12 | 09/04/07 | 5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-15.5-B12 | 11/13/07 | 15.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-20.5-B12 | 11/13/07 | 20.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-5-B13 | 09/05/07 | 5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-10-B13 | 09/10/07 | 10 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-14.5-B13 | 09/10/07 | 14.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-20-B13 | 09/10/07 | 20 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-25-B13 | 11/12/07 | 25 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-30-B13 | 11/12/07 | 30 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-35-B13 | 11/12/07 | 35 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-5.0-B14 | 09/06/07 | 5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-16-B14 | 11/13/07 | 16 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-20.5-B14 | 11/13/07 | 20.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-5-B15 | 09/04/07 | 5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | --- |
| S-10.5-B15 | 11/15/07 | 10.5 | <0.0050 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 |

TABLE 1B
ADDITIONAL LABORATORY ANALYTICAL RESULTS OF SOIL SAMPLES
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California
(Page 2 of 3)

| Sample ID | Sampling Date | Sample Depth (fbs) | 1,2-DCA (mg/kg) | EDB (mg/kg) | TBA (mg/kg) | DIPE (mg/kg) | ETBE (mg/kg) | TAME (mg/kg) | Ethanol (mg/kg) |
|-----------------------|---------------|--------------------|-----------------|-------------|-------------|--------------|--------------|--------------|-----------------|
| S-15.5-B15 | 11/15/07 | 15.5 | 0.011 | <0.0050 | <0.050 | <0.010 | <0.010 | <0.010 | <0.25 |
| 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 | --- |
| Soil Stockpile | | | | | | | | | |
| SP-1(S-SP1-S-SP4) | 09/12/07 | --- | <0.0050 | <0.0050 | <0.020 | <0.0050 | <0.0050 | <0.0050 | --- |

TABLE 1B
ADDITIONAL LABORATORY ANALYTICAL RESULTS OF SOIL SAMPLES
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California
(Page 3 of 3)

| | | |
|---------|---|--|
| Notes: | | |
| 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. |
| 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. |
| fbgs | = | Feet below ground surface. |
| mg/kg | = | Milligrams per kilogram. |
| < | = | Less than the stated laboratory reporting limit. |
| --- | = | Not analyzed/Not applicable. |

TABLE 2A
LABORATORY ANALYTICAL RESULTS OF GRAB GROUNDWATER SAMPLES

Former Exxon Service Station 70234
 3450 35th Avenue
 Oakland, California
 (Page 1 of 1)

| Sample ID | Sampling Date | Sample Depth (fbgs) | TPHg (µg/L) | MTBE (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---------------------------|---------------|---------------------|-------------|-------------|----------|----------|----------|----------|
| UST Cavity 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 |
| Soil Borings | | | | | | | | |
| 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 |

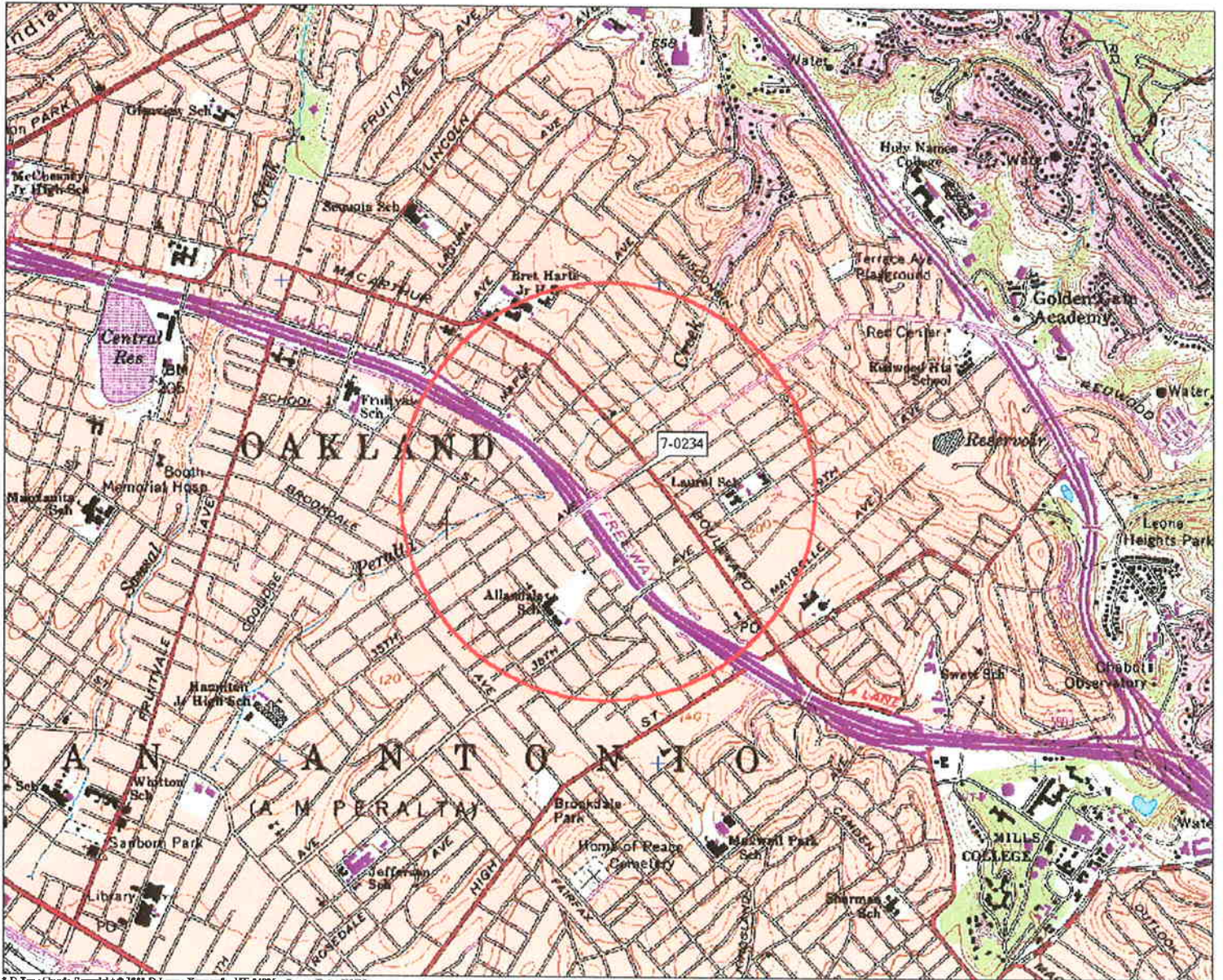
Notes:

- TPHg = Total petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015M.
- MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8021B.
- BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
- 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.
- fbgs = Feet below ground surface.
- µg/L = Micrograms per liter.
- < = Less than the stated laboratory reporting limit.
- a = Approximate depth to groundwater surface at time of sampling.

TABLE 2B
ADDITIONAL LABORATORY ANALYTICAL RESULTS OF GRAB GROUNDWATER SAMPLES
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California
(Page 1 of 1)

| Sample ID | Sampling Date | Sample Depth (fbgs) | 1,2-DCA (µg/L) | EDB (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | Ethanol (µg/L) |
|----------------------------------|---------------|---------------------|----------------|------------|------------|-------------|-------------|-------------|----------------|
| UST Cavity Samples | | | | | | | | | |
| Not analyzed for these analytes. | | | | | | | | | |
| Soil Borings | | | | | | | | | |
| W-38-B11 | 11/14/07 | 38 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <50 |
| W-15-B12 | 11/13/07 | 15 | <5.0 | <5.0 | <100 | <5.0 | <5.0 | <5.0 | <500 |
| W-40-B13 | 11/12/07 | 40 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <50 |
| W-15-B14 | 11/13/07 | 15 | <1.0 | <1.0 | <20 | <1.0 | <1.0 | <1.0 | <100 |
| W-38-B15 | 11/15/07 | 38 | <25 | <25 | 1,900 | <25 | <25 | <25 | <2,500 |
| W-40-B16 | 11/15/07 | 40 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | 85 |
| W-37-B17 | 11/13/07 | 37 | <0.50 | <0.50 | 58 | <0.50 | <0.50 | <0.50 | <50 |
| W-38-B18 | 11/12/07 | 38 | <12 | <12 | <250 | <12 | <12 | <12 | <1,200 |

- Notes:
- TPHg = Total petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015M.
 - MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8021B.
 - BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
 - 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.
 - fbgs = Feet below ground surface.
 - µg/L = Micrograms per liter.
 - < = Less than the stated laboratory reporting limit.
 - a = Approximate depth to groundwater surface at time of sampling.



3-D TopoQuads Copyright © 1999 DeLorme Yonkers, NY 10496 Source Data: USGS 1:50,000 Scale: 1:19,200 Detail: 1:3,000 Datum: WGS84

2476TOP0

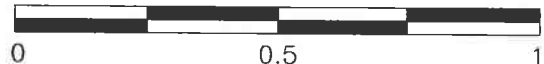
J:\2476\2476Topo.Dwg, mkjones

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



FN 2476 07 R03 AERIAL_SP

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EXPLANATION

NOT TO SCALE



LOCAL AREA MAP

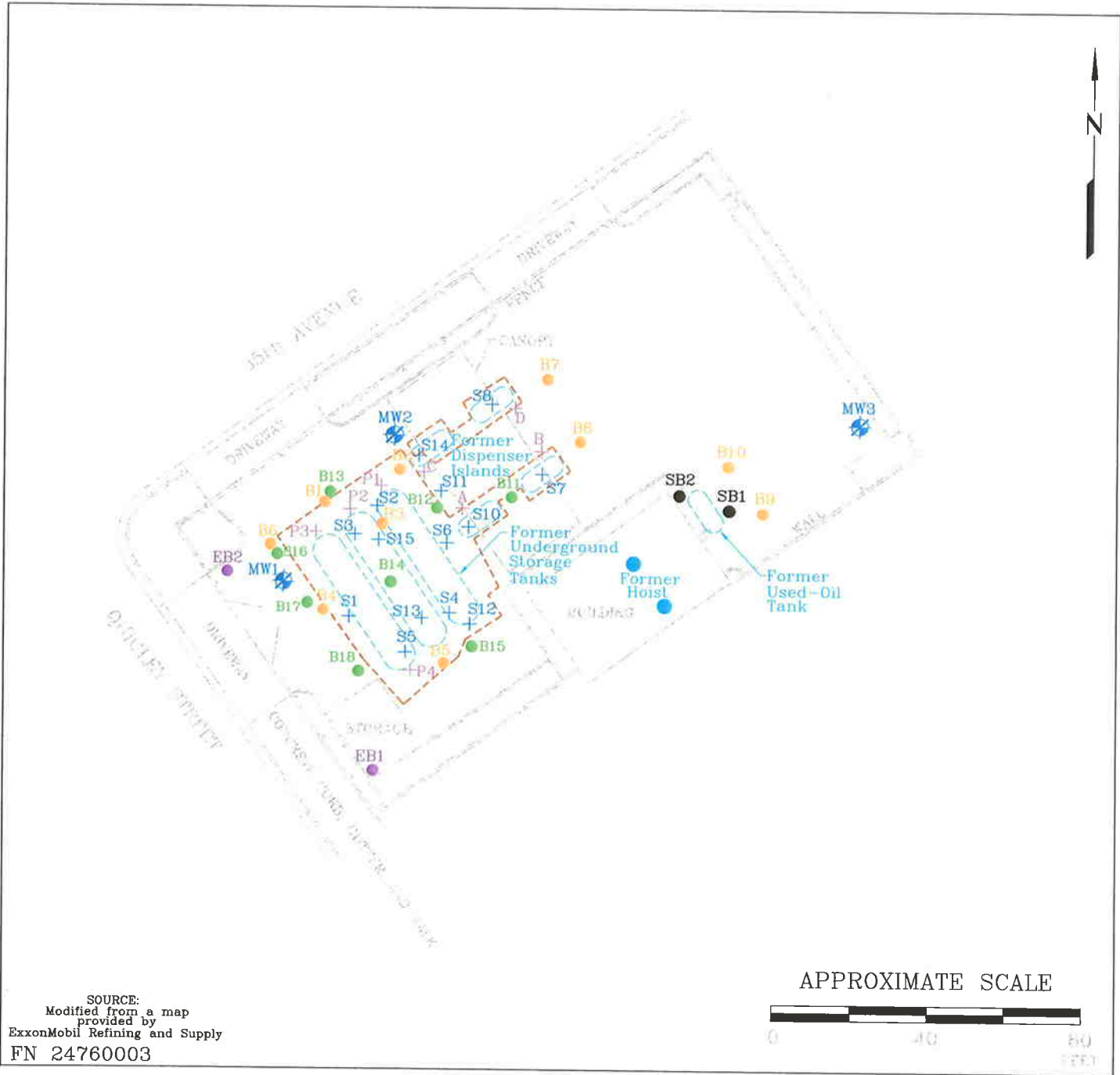
FORMER EXXON SERVICE STATION 70234
 3540 35th Avenue
 Oakland, California

PROJECT NO.

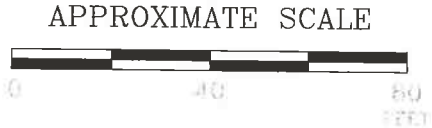
2476

PLATE

2



SOURCE:
 Modified from a map
 provided by
 ExxonMobil Refining and Supply
 FN 24760003



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EXPLANATION

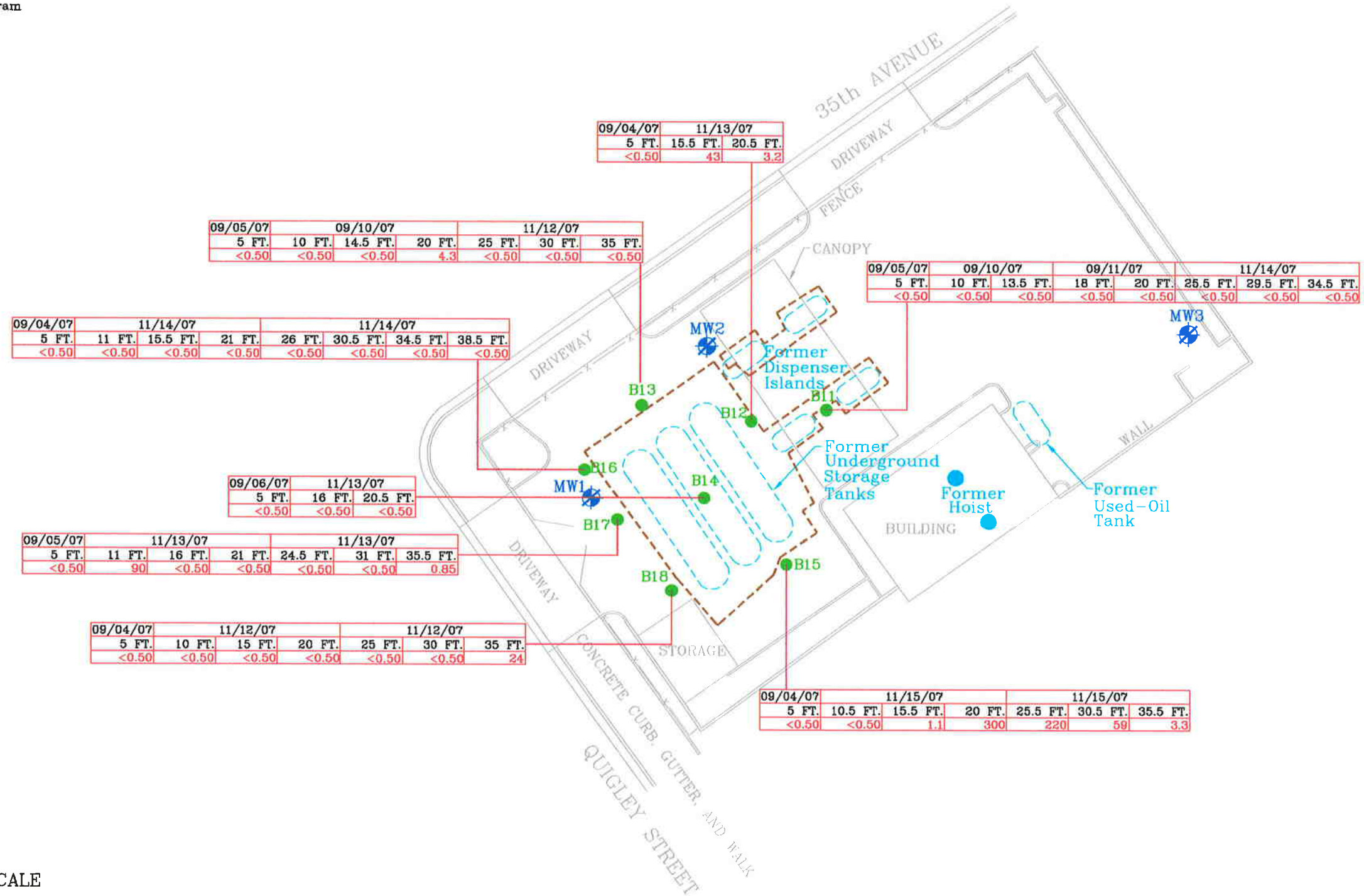
- MW1 Destroyed Groundwater Monitoring Well
- B18 Soil Boring
- SB2 Soil Boring (GTI, 1986)
- EB2 Soil Boring (HLA, 1988)
- B18 Soil Boring (Alton, 1991)
- P4 Soil Sample Location (TRC, 2002)
- S15 Soil Sample Location (Alton, 1991)
- Excavated Area



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

PROJECT NO.
 2476
PLATE
 3

Analyte Concentrations in mg/kg
 11/15/07 Sample Date
 20 FT. Sample Depth
 300 Total Petroleum Hydrocarbons as gasoline
 < Less Than the Stated Laboratory Reporting Limit
 mg/kg Milligrams per kilogram



| | | |
|----------|----------|----------|
| 09/04/07 | 11/13/07 | |
| 5 FT. | 15.5 FT. | 20.5 FT. |
| <0.50 | 43 | 3.2 |

| | | | | | | |
|----------|----------|----------|----------|--------|--------|--------|
| 09/05/07 | 09/10/07 | | 11/12/07 | | | |
| 5 FT. | 10 FT. | 14.5 FT. | 20 FT. | 25 FT. | 30 FT. | 35 FT. |
| <0.50 | <0.50 | <0.50 | 4.3 | <0.50 | <0.50 | <0.50 |

| | | | | | | | |
|----------|----------|----------|----------|--------|----------|----------|----------|
| 09/05/07 | 09/10/07 | | 09/11/07 | | 11/14/07 | | |
| 5 FT. | 10 FT. | 13.5 FT. | 18 FT. | 20 FT. | 25.5 FT. | 29.5 FT. | 34.5 FT. |
| <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |

| | | | | | | | |
|----------|----------|----------|--------|----------|----------|----------|----------|
| 09/04/07 | 11/14/07 | | | 11/14/07 | | | |
| 5 FT. | 11 FT. | 15.5 FT. | 21 FT. | 26 FT. | 30.5 FT. | 34.5 FT. | 38.5 FT. |
| <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |

| | | |
|----------|----------|----------|
| 09/06/07 | 11/13/07 | |
| 5 FT. | 16 FT. | 20.5 FT. |
| <0.50 | <0.50 | <0.50 |

| | | | | | | |
|----------|----------|--------|----------|----------|--------|----------|
| 09/05/07 | 11/13/07 | | 11/13/07 | | | |
| 5 FT. | 11 FT. | 16 FT. | 21 FT. | 24.5 FT. | 31 FT. | 35.5 FT. |
| <0.50 | 90 | <0.50 | <0.50 | <0.50 | <0.50 | 0.85 |

| | | | | | | | |
|----------|----------|--------|--------|----------|--------|--------|--|
| 09/04/07 | 11/12/07 | | | 11/12/07 | | | |
| 5 FT. | 10 FT. | 15 FT. | 20 FT. | 25 FT. | 30 FT. | 35 FT. | |
| <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 24 | |

| | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|
| 09/04/07 | 11/15/07 | | 11/15/07 | | | |
| 5 FT. | 10.5 FT. | 15.5 FT. | 20 FT. | 25.5 FT. | 30.5 FT. | 35.5 FT. |
| <0.50 | <0.50 | 1.1 | 300 | 220 | 59 | 3.3 |

APPROXIMATE SCALE



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 FN 2476 07 RO3 ANALYTICAL_SP

Excavated Area



SELECT SOIL ANALYTICAL RESULTS - TPHg

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

- EXPLANATION**
- MW1 Destroyed Groundwater Monitoring Well
 - B18 Soil Boring

PROJECT NO.
2476

PLATE
4

Analyte Concentrations in mg/kg

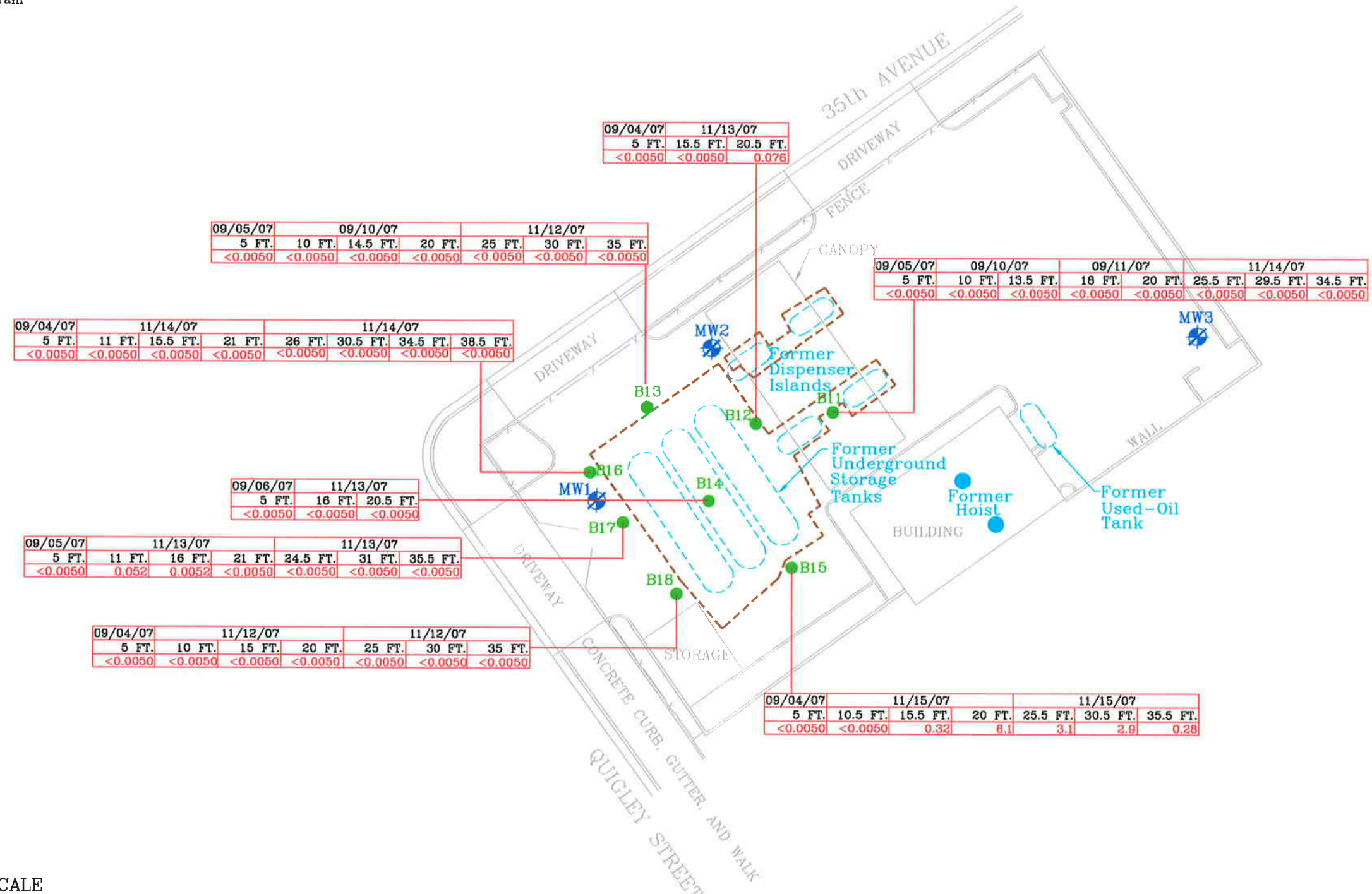
11/15/07 Sample Date

20 FT. Sample Depth

6.1 Benzene

< Less Than the Stated Laboratory Reporting Limit

mg/kg Milligrams per kilogram



| 09/04/07 | 11/13/07 | |
|----------|----------|----------|
| 5 FT. | 15.5 FT. | 20.5 FT. |
| <0.0050 | <0.0050 | 0.076 |

| 09/05/07 | | 09/10/07 | | 11/12/07 | | |
|----------|---------|----------|---------|----------|---------|---------|
| 5 FT. | 10 FT. | 14.5 FT. | 20 FT. | 25 FT. | 30 FT. | 35 FT. |
| <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |

| 09/05/07 | | 09/10/07 | | 09/11/07 | | 11/14/07 | |
|----------|---------|----------|---------|----------|----------|----------|----------|
| 5 FT. | 10 FT. | 13.5 FT. | 18 FT. | 20 FT. | 25.5 FT. | 29.5 FT. | 34.5 FT. |
| <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |

| 09/04/07 | | 11/14/07 | | 11/14/07 | | | |
|----------|---------|----------|---------|----------|----------|----------|----------|
| 5 FT. | 11 FT. | 15.5 FT. | 21 FT. | 26 FT. | 30.5 FT. | 34.5 FT. | 38.5 FT. |
| <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |

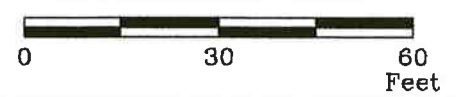
| 09/06/07 | | 11/13/07 | |
|----------|---------|----------|--|
| 5 FT. | 16 FT. | 20.5 FT. | |
| <0.0050 | <0.0050 | <0.0050 | |

| 09/05/07 | | 11/13/07 | | 11/13/07 | | |
|----------|--------|----------|---------|----------|---------|----------|
| 5 FT. | 11 FT. | 16 FT. | 21 FT. | 24.5 FT. | 31 FT. | 35.5 FT. |
| <0.0050 | 0.052 | 0.0052 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |

| 09/04/07 | | 11/12/07 | | | 11/12/07 | | |
|----------|---------|----------|---------|---------|----------|---------|--|
| 5 FT. | 10 FT. | 15 FT. | 20 FT. | 25 FT. | 30 FT. | 35 FT. | |
| <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | |

| 09/04/07 | | 11/15/07 | | 11/15/07 | | |
|----------|----------|----------|--------|----------|----------|----------|
| 5 FT. | 10.5 FT. | 15.5 FT. | 20 FT. | 25.5 FT. | 30.5 FT. | 35.5 FT. |
| <0.0050 | <0.0050 | 0.32 | 6.1 | 3.1 | 2.9 | 0.28 |

APPROXIMATE SCALE



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FN 2476 07 R03 ANALYTICAL_SP

Excavated Area



SELECT SOIL ANALYTICAL RESULTS - BENZENE

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

- EXPLANATION**
- MW1 Destroyed Groundwater Monitoring Well
 - B18 Soil Boring

PROJECT NO.
2476

PLATE
5

Analyte Concentrations in mg/kg

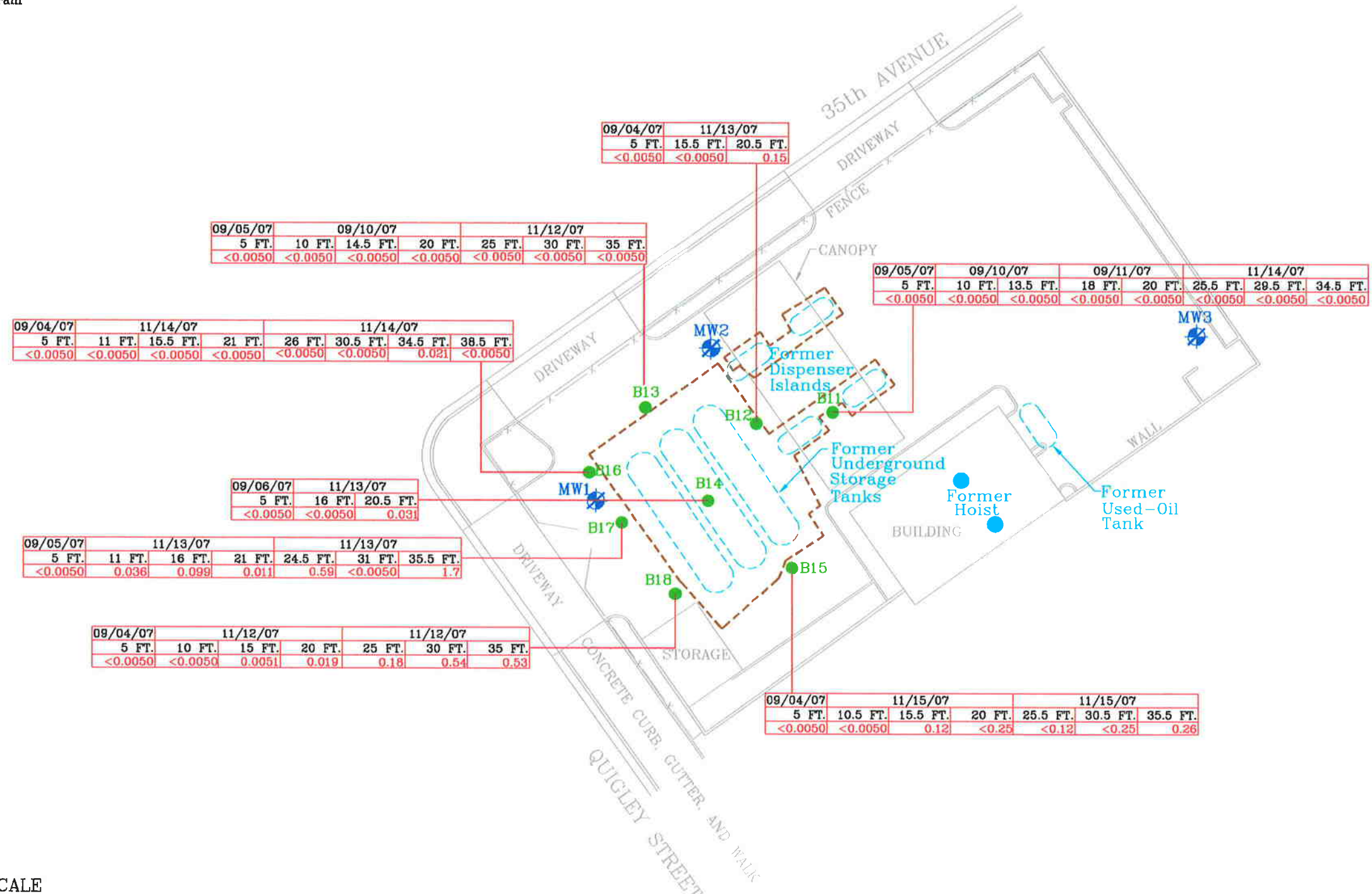
11/13/07 Sample Date

35.5 FT. Sample Depth

1.7 MTBE

< Less Than the Stated Laboratory Reporting Limit

mg/kg Milligrams per kilogram



| 09/04/07 | 11/13/07 | |
|----------|----------|----------|
| 5 FT. | 15.5 FT. | 20.5 FT. |
| <0.0050 | <0.0050 | 0.15 |

| 09/05/07 | | 09/10/07 | | 11/12/07 | | |
|----------|---------|----------|---------|----------|---------|---------|
| 5 FT. | 10 FT. | 14.5 FT. | 20 FT. | 25 FT. | 30 FT. | 35 FT. |
| <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |

| 09/05/07 | | 09/10/07 | | 09/11/07 | | 11/14/07 | |
|----------|---------|----------|---------|----------|----------|----------|----------|
| 5 FT. | 10 FT. | 13.5 FT. | 18 FT. | 20 FT. | 25.5 FT. | 29.5 FT. | 34.5 FT. |
| <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |

| 09/04/07 | | 11/14/07 | | | 11/14/07 | | |
|----------|---------|----------|---------|---------|----------|----------|----------|
| 5 FT. | 11 FT. | 15.5 FT. | 21 FT. | 26 FT. | 30.5 FT. | 34.5 FT. | 38.5 FT. |
| <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 0.021 | <0.0050 |

| 09/06/07 | | 11/13/07 | |
|----------|---------|----------|--|
| 5 FT. | 16 FT. | 20.5 FT. | |
| <0.0050 | <0.0050 | 0.031 | |

| 09/05/07 | | 11/13/07 | | | 11/13/07 | | |
|----------|--------|----------|--------|----------|----------|----------|--|
| 5 FT. | 11 FT. | 16 FT. | 21 FT. | 24.5 FT. | 31 FT. | 35.5 FT. | |
| <0.0050 | 0.036 | 0.099 | 0.011 | 0.59 | <0.0050 | 1.7 | |

| 09/04/07 | | 11/12/07 | | | 11/12/07 | | |
|----------|---------|----------|--------|--------|----------|--------|--|
| 5 FT. | 10 FT. | 15 FT. | 20 FT. | 25 FT. | 30 FT. | 35 FT. | |
| <0.0050 | <0.0050 | 0.0051 | 0.019 | 0.18 | 0.54 | 0.53 | |

| 09/04/07 | | 11/15/07 | | | 11/15/07 | | |
|----------|----------|----------|--------|----------|----------|----------|--|
| 5 FT. | 10.5 FT. | 15.5 FT. | 20 FT. | 25.5 FT. | 30.5 FT. | 35.5 FT. | |
| <0.0050 | <0.0050 | 0.12 | <0.25 | <0.12 | <0.25 | 0.26 | |

APPROXIMATE SCALE



J:\2476\SPECIALITY\R03\07 R03 ANALYTICAL_SP.dwg, mkjones
FN 2476 07 R03 ANALYTICAL_SP

Excavated Area



SELECT SOIL ANALYTICAL RESULTS - MTBE

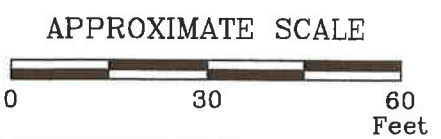
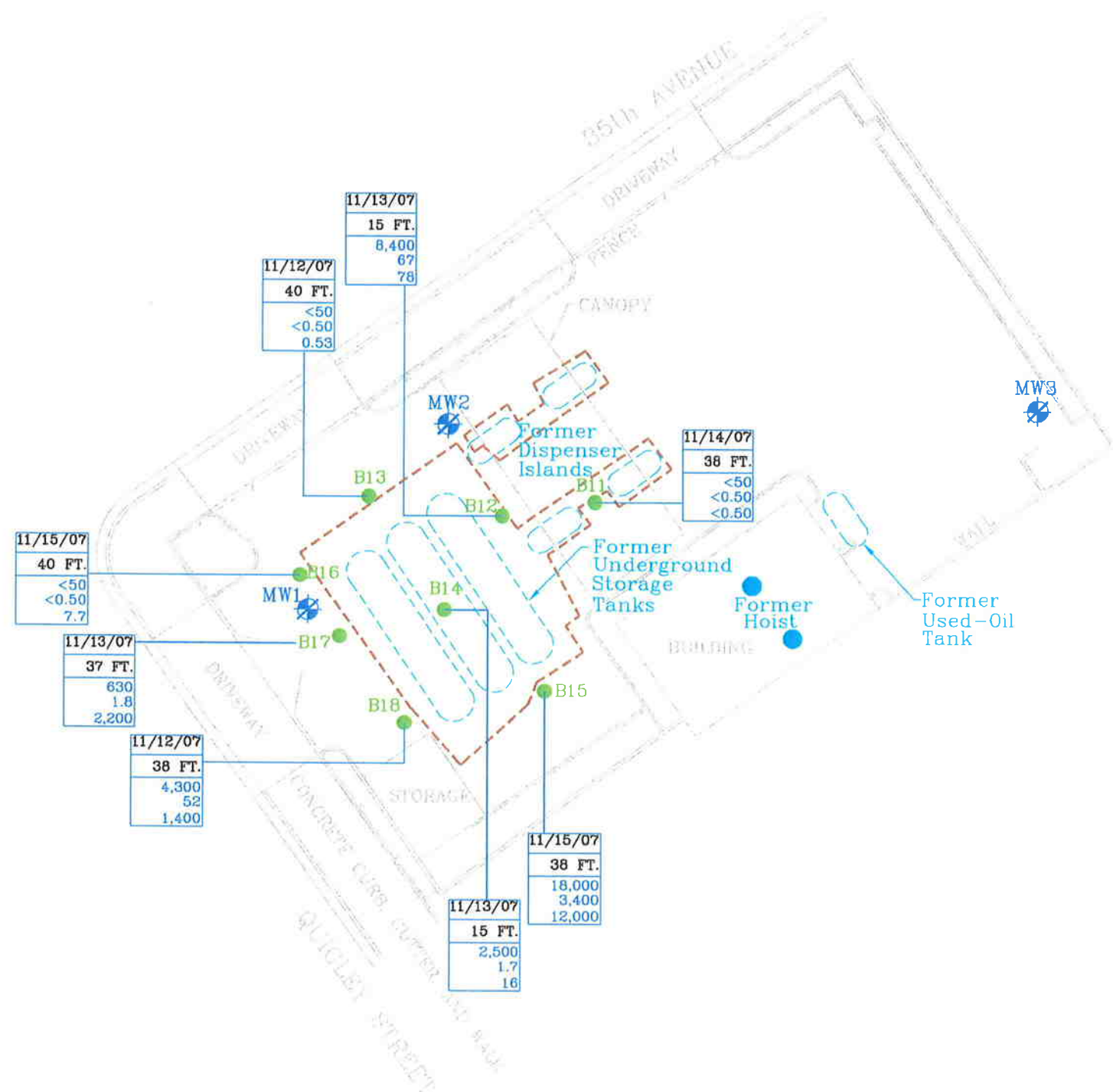
FORMER EXXON SERVICE STATION 70234
3450 35th Avenue
Oakland, California

- EXPLANATION**
- MW1 Destroyed Groundwater Monitoring Well
 - B18 Soil Boring

PROJECT NO.
2476

PLATE
6

Analyte Concentrations in ug/L
 11/15/07 Sample Date
 38 FT. Sample Depth
 18,000 Total petroleum hydrocarbons as gasoline
 3,400 Benzene
 12,000 MTBE
 < Less Than the Stated Laboratory Reporting Limit
 ug/L Micrograms per Liter



J:\2476\SPECIALTY\R03\07 R03 ANALYTICAL_SP.dwg, mkjones
 FN 2476 07 R03 ANALYTICAL_SP

Excavated Area



SELECT GRAB GROUNDWATER ANALYTICAL RESULTS
 FORMER EXXON SERVICE STATION 70234
 3450 35th Avenue
 Oakland, California

EXPLANATION
 MW1 Destroyed Groundwater Monitoring Well
 B18 Soil Boring

PROJECT NO.
 2476
PLATE
 7

ATTACHMENT A
REGULATORY CORRESPONDENCE

Paula M. Sime

From: Plunkett, Steven, Env. Health [steven.plunkett@acgov.org]
Sent: Tuesday, December 04, 2007 10:52 AM
To: Paula M. Sime
Subject: RO2515

Paula,

ACEH has reviewed the request for a time extension for the site located at 3450 35th. Due to difficulties with the advancement of soil borings and the collection of groundwater samples, ERI concluded that an alternative drilling technique should be implemented. The change in initial scope is reasonable and ACEH requests the results from the field work be presented in a Soil and Groundwater Investigation Report by December 31, 2007.

Thank you for your cooperation.

Steven Plunkett
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
510-383-1767
510-337-9355 Fax
steven.plunkett@acgov.org

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ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

May 3, 2007

Mr. Robert Ehlers
Valero Refining Company
PO Box 696000
San Antonio, TX 78269

Ms. Jennifer Sedlachek
ExxonMobil
4096 Piedmont Avenue, #194
Oakland, CA ~~94620~~
611

Mr. R.J. Dold
BNY Western Trust Company
3200 SW FRWY #3050
Houston, TX 77027

MHCB (USA) Leasing Corp
c/o Ad Valorem Tax Department
PO Box 690110
San Antonio, TX 78269-0110

Subject: Fuel Leak Case No. RO0002515, Exxon #7-0234/Valero #3832, 3450 35th Avenue, Oakland, CA

Dear Messrs. Ehlers, Dold and Ms. Sedlachek:

Alameda County Environmental Health (ACEH) staff have reviewed the fuel leak case file and the report entitled, "Work Plan for Soil and Groundwater Investigation," dated April 13, 2007 and prepared by Environmental Resolutions Inc (ERI). The scope of work as proposed in the Work Plan recommends the installation of eight soil boring adjacent to the former USTs and fuel dispenser island. ACEH generally concurs with the scope of work as recommended in the Work Plan provided the technical comments discussed below are implemented prior to the start of field work.

We request that you perform the proposed work, and send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred to steven.plunkett@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Soil Boring Locations and Sampling.** Review of Plate 7 (Proposed Soil Boring Locations) from the Work Plan indicates that soil borings B11, B13 and B14 are within the fill material of the former UST tank pit and dispenser island. Soil borings B11 and B13 should be advanced in undisturbed soil adjacent to the excavation sidewalls. ACEH agrees with the soil sample analysis recommended in the Work Plan.

During soil boring installation, any interval where staining, odor, or elevated PID readings occur a soil sample is to be collected and submitted for laboratory analysis. If no staining, odor, or elevated PID readings are observed, soil sample are to be collected from each boring at the capillary fringe, where groundwater is first encountered, at changes in lithology, at 5 feet interval, and at the total depth of the boring. Please present the result from the soil and groundwater investigation in the report requested below.

2. **Geotracker EDF Submittals** – A review of the case file and the State Water Resources Control Board's (SWRCB) Geotracker website indicate that electronic copies of analytical data have not been submitted for your site. Pursuant to CCR Sections 2729 and 2729.1, beginning September 1, 2001, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the LUFT program, must be transmitted electronically to the SWRCB Geotracker website via the internet. Additionally, beginning January 1, 2002, all permanent monitoring points utilized to collect groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude accurate to within 1-meter accuracy, using NAD 83, and transmitted electronically to the SWRCB Geotracker website. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). In order to remain in regulatory compliance, please upload all analytical data (collected on or after September 1, 2001), to the SWRCB's Geotracker database website in accordance with the above-cited regulation.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Mr. Steven Plunkett), according to the following schedule:

July 1, 2007 – Soil and Groundwater Investigation Report

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

ELECTRONIC SUBMITTAL OF REPORTS

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

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

LANDOWNER NOTIFICATION REQUIREMENTS

Pursuant to California Health & Safety Code Section 25297.15, the active or primary responsible party for a fuel leak case must inform all current property owners of the site of cleanup actions or requests for closure. Furthermore, ACEH may not consider any cleanup proposals or requests for case closure without assurance that this notification requirement has been met. Additionally, the active or primary responsible party is required to forward to ACEH a complete mailing list of all record fee title holders to the site.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please be aware that you may be eligible for reimbursement of the costs of investigation from the California Underground Storage Tank Cleanup Fund (Fund). In some cases, a deductible amount may apply. If you believe you meet the eligibility requirements, we strongly encourage you to call the Fund for an application.

AGENCY OVERTSIGHT

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

If you have any questions, please call me at (510) 383-1767.

Ms. Jennifer Sedlachek and Mr. Robert Ehlers
May 2, 2007
Page 4

Sincerely,

A handwritten signature in black ink, appearing to read "Steven Plunkett", with a long horizontal stroke extending to the right.

Steven Plunkett
Hazardous Materials Specialist

cc: Paula Sime
Environmental Resolutions Inc.
301 North McDowell Blvd.
Petaluma, CA 94954-2312

Donna Drogos, ACEH
Steven Plunkett, ACEH
File

ATTACHMENT 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: 08/16/2007 By jamesy

Permit Numbers: W2007-0914
Permits Valid from 11/12/2007 to 11/16/2007

Application Id: 1186509688236
Site Location: 3450 35th Avenue, Oakland, CA
Project Start Date: 09/04/2007
Extension Start Date: 11/12/2007
Extension Count: 1

City of Project Site: Oakland
Completion Date: 09/14/2007
Extension End Date: 11/16/2007
Extended By: vickyh1

Applicant: Environmental Resolutions Inc. - Paula Sime
601 M McDowell Blvd., Petaluma, CA 94954
Property Owner: The Valero Companies
685 W 3rd St., Hanford, CA 93230
Client: ** same as Property Owner **

Phone: 707-766-2000

Phone: --

| | | |
|--|---------------------------|---------------------|
| | Total Due: | \$200.00 |
| Receipt Number: WR2007-0366 | Total Amount Paid: | \$200.00 |
| Payer Name : Environmental Resolutions Inc. | PAID By: CHECK | PAID IN FULL |

Works Requesting Permits:

Borehole(s) for Investigation-Geotechnical Study/CPT's - 16 Boreholes
Driller: Woodward, Gregg (485165) - Lic #: 710079 - Method: DP

Work Total: \$200.00

Specifications

| Permit Number | Issued Dt | Expire Dt | # Boreholes | Hole Diam | Max Depth |
|---------------|------------|------------|-------------|-----------|-----------|
| W2007-0914 | 08/16/2007 | 12/03/2007 | 16 | 2.00 in. | 35.00 ft |

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
5. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or

Alameda County Public Works Agency - Water Resources Well Permit

waterways or be allowed to move off the property where work is being completed.

6. 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.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a 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.

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

ATTACHMENT C
FIELD PROTOCOL

FIELD PROTOCOL

Site Safety Plan

Field work will be performed by ERI personnel in accordance with a Site Safety Plan developed for the site. This plan describes the basic safety requirements for the subsurface investigation at the site. The Site Safety Plan is applicable to personnel and subcontractors of ERI. Personnel at the site are informed of the contents of the Site Safety Plan before work begins. A copy of the Site Safety Plan is kept at the work site and is available for reference during the work. The ERI geologist will act as the Site Safety Officer.

Drilling of Soil Borings

Prior to the drilling of soil borings, ERI will acquire necessary permits from the appropriate agency(ies). ERI will also contact Underground Service Alert (USA) and a private underground utility locator (per ExxonMobil protocol) before drilling to help locate utility lines at the site. ERI will clear the proposed locations to a depth of approximately 4 or 8 feet (depending on the location), before drilling to reduce the risk of damaging underground structures.

Drilling will be performed under the observation of a field geologist, and the earth materials in the boring will be identified using visual and manual methods, and classified as drilling progresses using the Unified Soil Classification System.

Soil borings will be drilled using a hollow-stem auger drill rig. During drilling, soil samples will be collected continuously for stratigraphic evaluation and retained for laboratory analysis at approximately 5-foot intervals, at the capillary fringe, at areas of discoloration or odor, and areas where photo-ionization detector (PID) readings indicate the possible presence of hydrocarbons. Samples will be collected with a California-modified split-spoon sampler equipped with laboratory-cleaned brass sleeves. Samples will be collected by advancing the auger to a point just above the sampling depth and driving the sampler into the soil. The sampler will be driven 18 inches with a standard 140-pound hammer repeatedly dropped 30 inches. The number of blows required to drive the sampler each successive 6-inch interval will be counted and recorded to give an indication of soil consistency.

Augers and sampling equipment will be steam-cleaned before use and between borings to minimize the possibility of crosshole contamination. Auger rinsate will be containerized and stored on site. ERI will coordinate with ExxonMobil for appropriate disposal of the rinsate.

Soil samples will be monitored with a PID, which measures hydrocarbon concentrations in the ambient air or headspace above the soil sample. Field instruments such as the PID are useful for indicating relative levels of hydrocarbon vapors, but do not detect concentrations of hydrocarbons with the same precision as laboratory analyses. Soil samples selected for possible chemical analysis will be sealed promptly with Teflon[®] tape and plastic caps. The samples will be labeled and placed in iced storage for transport to the laboratory. Chain-of-Custody records will be initiated by the geologist in the field, updated throughout handling of the samples, and sent with the samples to the laboratory. Copies of these records will be in the final report. Cuttings generated during drilling will be stored in 55-gallon metal drums or placed on plastic sheeting and covered and left at the site. ERI will coordinate with ExxonMobil for the soil to be removed to an appropriate disposal facility.

Groundwater Sample Collection

Water samples are collected with a new, disposable Teflon[®] or polypropylene bailer. The groundwater is carefully poured into selected sample containers (40-milliliter [ml] glass vials, 1-liter glass amber bottles, etc.), which are filled so as to produce a positive meniscus.

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

Grab Groundwater Sample Collection through Hollow-Stem Augers

At first encountered groundwater, a small diameter PVC well casing with 0.010" slotted screen may be inserted through the hollow stem of the augers to facilitate the collection of groundwater samples. The temporary well is lowered through the augers and then the augers are pulled up approximately 0.5 to 2 feet to expose the slotted interval and allow groundwater to flow into the boring. Groundwater samples may then be collected from within the casing with a new disposable bailer or peristaltic pump. The water sample is then promptly transported in iced storage in a thermally-insulated ice chest, accompanied by a Chain of Custody Record, to a California-certified laboratory.

Boring Grouting

After soil and grab groundwater sampling have been completed, the borings will be backfilled with cement grout . The grout will be pumped through a tremie pipe positioned at the bottom of the borings, which are filled from the bottom up to prevent bridging of the fill material. The surface is then finished to match surrounding conditions.

ATTACHMENT D

**UNIFIED SOIL CLASSIFICATION SYSTEM, SYMBOL KEY,
AND BORING LOGS**



BORING LOG B11

(Page 1 of 2)

Date Drilled: : 09/10-11/2007, 11/14/2007
 Drilling Co.: : Woodward / Gregg
 Drilling Method: : Direct Push/Hollow-Stem
 Sampling Method: : Direct Push
 Borehole Diameter: : 6"
 Casing Diameter: : N/A
 Location N-S : 2115566.3
 Location E-W : 6069910.0
 Total Depth: : 38 fbs
 First GW Depth: : 37 fbs

Project No.: : Former Exxon Service Station 70234
 Site: : 3450 35th Avenue, Oakland, California
 Logged By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Reviewed By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Signature: : *Heidi Dieffenbach-Carle*

| Depth (ft) | Blow Count | OVM/PID (ppmv) | Sample | Column | USCS | Sample Condition | Water Levels | DESCRIPTION |
|------------|------------|----------------|--------|--------|------|---|--|---|
| | | | | | | <input type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input type="checkbox"/> Preserved Sample | ▽ First Encountered Water: 37' ▽ Second Encountered Water: NA | |
| 0 | | | | | | | | 7-inches of Concrete. Cleared to 8.0 fbs using a hand auger. |
| | | | | | FILL | | | PEA GRAVEL |
| | | | | | ML | | | CLAYEY SILT WITH SAND: strong brown, dry, fine-grained sand. |
| 5 | | | | | CL | | | SANDY CLAY WITH SILT: dark yellowish brown, damp, fine to medium grained sand. |
| | | | | | SC | | | CLAYEY SAND WITH GRAVEL: fine to coarse grained sand, dark yellowish brown, dry to damp, dense; fine grained, angular to subangular gravel. |
| 10 | | 0.0 | | | | | | @ 10 fbs sand fragments - red, white, angular. |
| 15 | | 0.0 | | | | | | @ 15 fbs large black volcanic rocks. |
| | | 0.0 | | | | | | @ 16 fbs color becomes light olive brown. |
| 20 | | 0.0 | | | | | | |
| 25 | | 0.0 | | | | | | |

Boring: B11

Concrete

Neat Cement



BORING LOG B11

(Page 2 of 2)

Date Drilled: : 09/10-11/2007, 11/14/2007
 Drilling Co.: : Woodward / Gregg
 Drilling Method: : Direct Push/Hollow-Stem
 Sampling Method: : Direct Push
 Borehole Diameter: : 6"
 Casing Diameter: : N/A
 Location N-S : 2115566.3
 Location E-W : 6069910.0
 Total Depth: : 38 fbgs
 First GW Depth: : 37 fbgs

Project No.: : Former Exxon Service Station 70234
 Site: : 3450 35th Avenue, Oakland, California
 Logged By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Reviewed By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Signature: : *Heidi Dieffenbach-Carle*

| Depth (ft) | Blow Count | OVM/PID (ppmv) | Sample | Column | USCS | Sample Condition | Water Levels | DESCRIPTION |
|--|------------|----------------|--------|--------|------|---|--|---|
| | | | | | | <input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample | ▼ First Encountered Water: 37' ▽ Second Encountered Water: NA | |
| 25 | | 0.0 | | | SC | | | CLAYEY SAND WITH GRAVEL: fine to coarse grained sand, dark yellowish brown, dry to damp, dense; fine grained, angular to subangular gravel. |
| | | 0.0 | | | CL | | | SANDY CLAY: dark yellowish brown, damp; fine to coarse grained, red, gray, black and white sand. |
| | | 0.0 | | | SC | | | CLAYEY SAND WITH GRAVEL: fine to coarse grained sand, dark yellowish brown, damp; medium to coarse grained, angular to subangular gravel. |
| | | 0.0 | | | GC | | | CLAYEY GRAVEL WITH SAND: dark yellowish brown, damp, angular to subangular, gravel pieces are gray, black, white; fine to coarse grained, angular to subangular sand. |
| | | 0.0 | | | CL | | | SILTY CLAY: yellowish brown, moist, trace fine grained sand, trace orange staining. |
| | | 0.0 | | | GW | | | SANDY GRAVEL: fine to medium grained, dark yellowish brown, moist, wet along clast boundaries, angular to subangular; medium to coarse grained, angular to subangular sand. |
| <p>Cleared with a hand auger to 8.0 fbgs on 09/05/2007.</p> <p>Drilled with direct-push rig to @ 25.0 fbgs on 09/10/2007 and 09/11/2007.</p> <p>Drilling with hollow-stem augers on 11/14/2007</p> <p>Groundwater sampled @ 38 fbgs on 11/14/2007.</p> | | | | | | | | |

Boring: B11

Neat Cement



BORING LOG B12

(Page 1 of 1)

Date Drilled: : 09/6/2007, 11/13/2007
 Drilling Co.: : Gregg Drilling Company
 Drilling Method: : Hollow-Stem Auger
 Sampling Method: : Direct Push
 Borehole Diameter: : 6"
 Casing Diameter: : N/A
 Location N-S : 2115563.4
 Location E-W : 6069891.0
 Total Depth: : 25 fbg
 First GW Depth: : 15 fbg

Project No.: : Former Exxon Service Station 70234
 Site: : 3450 35th Avenue, Oakland, California
 Logged By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Reviewed By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Signature: : *Heidi Dieffenbach-Carle*

| Depth (ft) | Blow Count | OVM/PID (ppmv) | Sample | Column | USCS | Sample Condition | Water Levels | DESCRIPTION |
|------------|------------|----------------|--------|--------|------|--|--|--|
| | | | | | | <input type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample | ▼ First Encountered Water: 15' ▽ Second Encountered Water: NA | |
| 0 | | | | | | | | PEA GRAVEL AND DEBRIS. Cleared to 8.0 fbg using a hand auger. |
| 5 | | 0.0 | | | | | | FILL CLAYEY SILT: yellowish orange, damp, moderate plasticity, trace gravel. Cleared original location with a hand auger to 8.0 fbg on 09/04/2007 Moved boring location due to proximity of buried utility. ML |
| 10 | | 0.0 | | | | | | SANDY GRAVEL: fine grained gravel, dark grayish brown, moist; coarse-grained sand. FILL |
| 15 | | 15 | | | | | | CLAYEY SAND: fine to coarse grained, dark yellowish brown, damp to moist; trace gravel. SC |
| 20 | | 30 | | | | | | Cleared new boring location in tank pit excavation with a hand auger to 8.0 fbg on 09/06/2007. Drilled with hollow-stem augers on 11/13/2007. Groundwater sampled @ 15 fbg on 11/13/2007. |
| 25 | | | | | | | | Neat Cement |



BORING LOG B13

(Page 1 of 2)

Date Drilled: : 09/10/2007, 11/12/2007
 Drilling Co.: : Woodward / Gregg
 Drilling Method: : Direct Push/Hollow-Stem
 Sampling Method: : Direct Push
 Borehole Diameter: : 6"
 Casing Diameter: : N/A
 Location N-S : 2115567.5
 Location E-W : 6069863.8
 Total Depth: : 40 fbg
 First GW Depth: : 38 fbg

Project No.: : Former Exxon Service Station 70234
 Site: : 3450 35th Avenue, Oakland, California
 Logged By: : Heidi L. Dieffenbach-Carle, P.G. #6793/ Rebekah A. Westrup
 Reviewed By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Signature: : *Heidi Dieffenbach-Carle*

| Depth (ft) | Blow Count | OVM/PID (ppmv) | Sample | Column | USCS | Sample Condition | Water Levels | DESCRIPTION |
|------------|------------|----------------|-------------------------------------|--------|------|---|--|---|
| | | | | | | <input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample | ▼ First Encountered Water: 38' ▽ Second Encountered Water: NA | |
| 0 | | | | | | | | 6-inches of Concrete. Cleared to 8.0 fbg using a hand auger. |
| | | | | | FILL | | | GRAVELLY SAND WITH SILT (FILL): fine to coarse grained, grayish brown, dry; fine to coarse grained gravel, red brick fragments and concrete chunks present. |
| | | | | | ML | | | CLAYEY SILT WITH SAND: strong brown, dry; fine-grained sand. |
| 5 | | 0.0 | <input checked="" type="checkbox"/> | | CL | | | SILTY CLAY WITH SAND: yellowish brown, damp, hard; fine to medium grained sand. |
| | | | | | | | | CLAYEY SAND WITH GRAVEL: fine to coarse grained sand, dark yellowish brown, damp, loose; fine grained gravel. |
| | | | | | | | | @ 8 fbg yellowish brown, very dense, well graded, matrix cemented. |
| 10 | | 0.0 | <input checked="" type="checkbox"/> | | | | | @ 10 fbg dark yellowish brown. |
| | | | | | | | | @ 12 fbg angular sandstone rocks. |
| 15 | | 0.0 | <input checked="" type="checkbox"/> | | SC | | | @ 13 fbg yellowish brown: increasing clay content. |
| | | | | | | | | @ 16.5 fbg patchy orange staining; increasing sand content with decrease in gravel. |
| 20 | | 0.0 | <input checked="" type="checkbox"/> | | | | | @ 17 fbg increasing gravels. Content from gravels are red, white, black, and gray. |
| 25 | | | | | | | | |

Boring: B13

Concrete

Neat Cement



BORING LOG B13

(Page 2 of 2)

Date Drilled: : 09/10/2007, 11/12/2007
 Drilling Co.: : Woodward / Gregg
 Drilling Method: : Direct Push/Hollow-Stem
 Sampling Method: : Direct Push
 Borehole Diameter: : 6"
 Casing Diameter: : N/A
 Location N-S : 2115567.5
 Location E-W : 6069863.8
 Total Depth: : 40 fbgs
 First GW Depth: : 38 fbgs

Project No.: : Former Exxon Service Station 70234
 Site: : 3450 35th Avenue, Oakland, California
 Logged By: : Heidi L. Dieffenbach-Carle, P.G. #6793/ Rebekah A. Westrup
 Reviewed By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Signature: : *Heidi Dieffenbach-Carle*

| Depth (ft) | Blow Count | OVI/PIID (ppmv) | Sample | Column | USCS | Sample Condition | Water Levels | DESCRIPTION |
|------------|------------|-----------------|--------|--------|------|---|--|---|
| | | | | | | <input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample | ▼ First Encountered Water: 38' ▽ Second Encountered Water: NA | |
| 25 | | 0.0 | | | SC | | | CLAYEY SAND WITH GRAVEL: fine to coarse grained sand, dark yellowish brown, damp; well graded, subangular, medium plasticity; fine grained, angular to subangular gravel. |
| 30 | | 0.0 | | | SC | | | @ 30 fbgs increasing clay content and decreasing gravel content. |
| 35 | | 0.0 | | | CL | | | @ 33 fbgs CLAYEY SAND, brown, moist. |
| 35 | | 0.0 | | | CL | | | SILTY CLAY WITH SAND: brown, moist, high plasticity; fine to coarse grained, subangular sand. |
| 40 | | | | | SC | | | CLAYEY SAND WITH GRAVEL: fine to coarse grained, yellowish brown, wet, well graded, angular; fine grained, angular gravel. |
| 40 | | | | | | | | Cleared with a hand auger to 8.0 fbgs on 09/05/2007. |
| | | | | | | | | Drilled with direct-push rig to @ 20.0 fbgs on 09/11/2007. |
| | | | | | | | | Drilling with hollow-stem augers on 11/12/2007. |
| | | | | | | | | Set temporary casing to facilitate groundwater collection. |
| | | | | | | | | Groundwater sampled @ 40 fbgs on 11/12/2007. |
| 45 | | | | | | | | |
| 50 | | | | | | | | |

Boring: B13

Neat Cement



BORING LOG B14

(Page 1 of 1)

Date Drilled: : 09/6/2007, 11/13/2007
 Drilling Co.: : Gregg Drilling Company
 Drilling Method: : Hollow-Stem Auger
 Sampling Method: : Direct Push
 Borehole Diameter: : 6"
 Casing Diameter: : N/A
 Location N-S : 2115544.6
 Location E-W : 6069879.2
 Total Depth: : 21.5 fbg
 First GW Depth: : 9.7 fbg

Project No.: : Former Exxon Service Station 70234
 Site: : 3450 35th Avenue, Oakland, California
 Logged By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Reviewed By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Signature: : *Heidi Dieffenbach-Carle*

| Depth (ft) | Blow Count | OVM/PID (ppmv) | Sample | Column | USCS | Sample Condition | Water Levels | DESCRIPTION |
|------------|------------|----------------|--------|--------|------|---|---|---|
| | | | | | | <input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample | ▼ First Encountered Water: 9.7' as measured in augers ▼ Second Encountered Water: NA | |
| 0 | | | | | | | | 1 foot of 1/4 to 1/2-inch drain rock - gravel. |
| 0-5 | | | | | | | | GRAVELLY SAND: fine to coarse grained, very dark grayish brown, damp, well graded; fine grained gravel. |
| 5-10 | | | | | FILL | | | |
| 10-15 | 0.0 | | | | | | | SANDY GRAVEL: fine grained, dark grayish brown, wet, subangular to subrounded; medium to coarse grained sand. |
| 15-17 | 0.0 | | | | ML | | | Driller notes change in drilling conditions at 15 fbg. SANDY SILT WITH CLAY: dark yellowish brown, damp; fine to medium sand; trace coarse grained sand; trace gravel. |
| 17-20 | | | | | CL | | | SILTY CLAY WITH SAND: dark yellowish brown with faint mottling, damp; fine to coarse grained, multi-colored sand grains; fine grained, angular gravel. |
| 20-25 | 0.0 | | | | | | | Cleared with a hand auger to 8.0 fbg on 09/06/2007. Drilled with hollow-stem augers on 11/13/2007. Groundwater sampled @ 15 fbg on 11/13/2007. |

Boring: B14

Neat Cement

12-10-2007 J:\2476\BORING LOGS\2476 B14.bor



BORING LOG B15

(Page 1 of 2)

Date Drilled: : 11/15/2007
 Drilling Co.: : Gregg Drilling Company
 Drilling Method: : Hollow-Stem Auger
 Sampling Method: : Direct Push
 Borehole Diameter: : 6"
 Casing Diameter: : N/A
 Location N-S : 2115528.0
 Location E-W : 6069899.9
 Total Depth: : 38 fbgs
 First GW Depth: : 38 fbgs

Project No.: : Former Exxon Service Station 70234
 Site: : 3450 35th Avenue, Oakland, California
 Logged By: : Paula Sime / Rebekah A. Westrup
 Reviewed By: : Heidi L. Dieffenbach-Carle, P.G. #6799
 Signature: : *Heidi Dieffenbach-Carle*

| Depth (ft) | Blow Count | OVM/PPID (ppmv) | Sample | Column | USCS | Sample Condition | Water Levels | DESCRIPTION |
|------------|------------|-----------------|--------|--------|------|--|--|--|
| | | | | | | <input type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample | ▼ First Encountered Water: 38' ▽ Second Encountered Water: NA | |
| 0 | | | | | | | | 18-inches of Concrete. Cleared to 8 fbgs using a hand auger. |
| 0-4 | | | | | | | | Debris |
| 4-8 | | 0.0 | | | FILL | | | |
| 8-11 | | | | | ML | | | CLAYEY SILT WITH SAND, yellowish orange, damp, moderate plasticity; fine grained sand; trace subangular gravel less than 4-inches in diameter. |
| 11-17 | | 11 | | | CL | | | CLAY WITH SAND: brown, dry, low plasticity; fine to medium grained, subangular sand. |
| 17-20 | | 17 | | | SC | | | CLAYEY SAND: fine to coarse grained, yellowish brown, dry, well graded, subangular. |
| 20-24 | | 291 | | | CL | | | CLAY WITH SAND: dark yellowish brown, dry, medium plasticity; fine grained sand. |
| 24-25 | | | | | SC | | | CLAYEY SAND: fine to coarse grained, brown, dry, well graded, subangular |

Boring: B15

Concrete

Neat Cement

12-10-2007 J:\2476\BORING LOGS\2476 B15.bor



BORING LOG B15

(Page 2 of 2)

Date Drilled: : 11/15/2007
 Drilling Co.: : Gregg Drilling Company
 Drilling Method: : Hollow-Stem Auger
 Sampling Method: : Direct Push
 Borehole Diameter: : 6"
 Casing Diameter: : N/A
 Location N-S : 2115528.0
 Location E-W : 6069899.9
 Total Depth: : 38 fbg
 First GW Depth: : 38 fbg

Project No.: : Former Exxon Service Station 70234
 Site: : 3450 35th Avenue, Oakland, California
 Logged By: : Paula Sime / Rebekah A. Westrup
 Reviewed By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Signature: : *Heidi Dieffenbach-Carle*

| Depth (ft) | Blow Count | OVM/PID (ppmv) | Sample | Column | USCS | Sample Condition | Water Levels | DESCRIPTION |
|------------|------------|----------------|-------------------------------------|--------|------|---|--|---|
| | | | | | | <input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample | ▼ First Encountered Water: 38' ▽ Second Encountered Water: NA | |
| 25 | | | <input checked="" type="checkbox"/> | | SC | | | CLAYEY SAND: fine to coarse grained, brown, dry, well graded, subangular |
| 30 | 115 | | <input checked="" type="checkbox"/> | | CL | | | SILTY CLAY TRACE SAND: dark brown, damp, high plasticity; fine grained, subrounded sand. @ 33 fbg CLAY: light brown; occassional coarse grained, rounded to subrounded sand. |
| 35 | 37 | | <input checked="" type="checkbox"/> | | GC | | | CLAYEY GRAVEL WITH SAND: fine grained, dark brown, moist to wet, high plasticity, subrounded; fine to coarse grained sand. |
| 40 | | | | | | | | Cleared with a hand auger to 8.0 fbg on 09/04/2007. Drilled with hollow-stem augers on 11/15/2007. Groundwater sampled @ 38 fbg on 11/15/2007. |
| 45 | | | | | | | | |
| 50 | | | | | | | | |

Boring: B15

Neat Cement

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BORING LOG B16

(Page 1 of 2)

Date Drilled: : 11/14/2007
 Drilling Co.: : Gregg Drilling Company
 Drilling Method: : Hollow-Stem Auger
 Sampling Method: : Direct Push
 Borehole Diameter: : 6"
 Casing Diameter: : N/A
 Location N-S : 2115551.3
 Location E-W : 6069849.9
 Total Depth: : 40 fbg
 First GW Depth: : 37 fbg

Project No.: : Former Exxon Service Station 70234
 Site: : 3450 35th Avenue, Oakland, California
 Logged By: : Paula Sime / Heidi L. Dieffenbach-Carle, P.G. #6793
 Reviewed By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Signature: : *Heidi Dieffenbach-Carle*

| Depth (ft) | Blow Count | OVM/PID (ppmv) | Sample | Column | USCS | Sample Condition | Water Levels | DESCRIPTION |
|------------|------------|----------------|-------------------------------------|--------|------|--|--|--|
| | | | | | | <input type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample | ▼ First Encountered Water: 37' ▽ Second Encountered Water: NA | |
| 0 | | | | | | | | 18-inches of Concrete. Cleared to 8 fbg using a hand auger. |
| 0 - 4 | | | | | | | | Debris FILL |
| 4 - 8 | | 0.0 | <input checked="" type="checkbox"/> | | CH | | | CLAY WITH SAND: yellowish orange, moist, high plasticity; fine grained sand; trace subangular gravel < 4-inches in diameter. |
| 8 - 13 | | 0.0 | <input checked="" type="checkbox"/> | | CL | | | SILTY CLAY WITH SAND: yellowish brown, damp, stiff; fine grained sand increasing in grain size with depth to medium and coarse grained. |
| 13 - 18 | | 0.0 | <input checked="" type="checkbox"/> | | SM | | | SILTY SAND WITH CLAY AND GRAVEL: fine to medium grained sand, brownish yellow with iron oxide staining, dry to damp; angular gravel. |
| 18 - 23 | | 0.0 | <input checked="" type="checkbox"/> | | SC | | | CLAYEY SAND: fine to coarse grained, dark yellowish brown, damp, angular to subangular multi-colored sand grains; trace fine grained gravel. |

Boring: B16

Concrete

Neat Cement



BORING LOG B16

(Page 2 of 2)

Date Drilled: : 11/14/2007
 Drilling Co.: : Gregg Drilling Company
 Drilling Method: : Hollow-Stem Auger
 Sampling Method: : Direct Push
 Borehole Diameter: : 6"
 Casing Diameter: : N/A
 Location N-S : 2115551.3
 Location E-W : 6069849.9
 Total Depth: : 40 fbgs
 First GW Depth: : 37 fbgs

Project No.: : Former Exxon Service Station 70234
 Site: : 3450 35th Avenue, Oakland, California
 Logged By: : Paula Sime / Heidi L. Dieffenbach-Carle, P.G. #6793
 Reviewed By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Signature: : *Heidi Dieffenbach-Carle*

| Depth (ft) | Blow Count | OVM/PID (ppmv) | Sample | Column | USCS | Sample Condition | Water Levels | DESCRIPTION |
|------------|------------|----------------|-------------------------------------|--------|------|---|--|---|
| | | | | | | <input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample | ▼ First Encountered Water: 37' ▽ Second Encountered Water: NA | |
| 25 | | 0.0 | <input checked="" type="checkbox"/> | | SC | | | CLAYEY SAND: fine to coarse grained, dark yellowish brown, damp, angular to subangular multi-colored sand grains; increasing fine grained, angular to subangular gravel. |
| 30 | | 0.0 | <input checked="" type="checkbox"/> | | SC | | | @ 30 fbgs increase in coarse sand. |
| 35 | | 0.0 | <input checked="" type="checkbox"/> | | CL | | | SILTY CLAY WITH SAND: yellowish brown, moist; fine grained sand. |
| | | | <input checked="" type="checkbox"/> | | SM | | | SILTY SAND: fine to medium sand, dark yellowish brown, moist. |
| | | | <input checked="" type="checkbox"/> | | CL | | | SILTY CLAY: yellowish brown, moist; trace fine grained sand. |
| 35 | | 0.0 | <input checked="" type="checkbox"/> | | SC | | | CLAYEY GRAVELLY SAND: medium to coarse grained, dark yellowish brown, moist, fine to coarse grained, angular to subangular gravel, volcanic fragments. |
| | | | <input checked="" type="checkbox"/> | | SC | | | @35.5 fbgs 2-inch lens of SILTY CLAY. @ 37 fbgs wet along rock faces. |
| 40 | | | <input checked="" type="checkbox"/> | | | | | Cleared with a hand auger to 8.0 fbgs on 09/04/2007. Drilled with hollow-stem augers on 11/14/2007. Groundwater sampled @ 40 fbgs through temporary casing on 11/15/2007. Static groundwater level measured @ 32 fbgs on 11/15/2007. |
| 45 | | | | | | | | |
| 50 | | | | | | | | |

Boring: B16

Neat Cement



BORING LOG B17

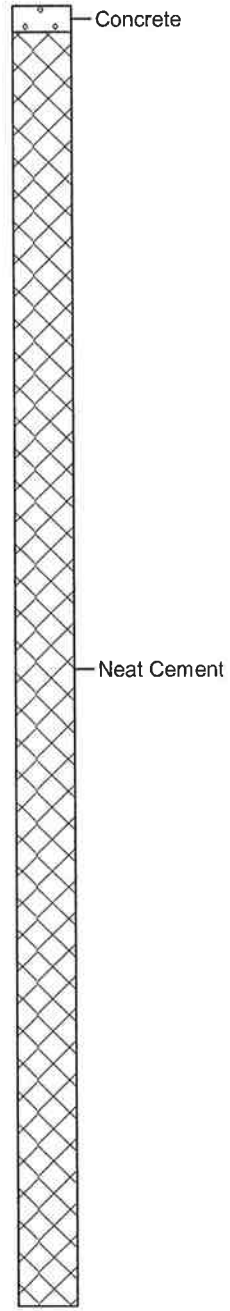
(Page 1 of 2)

Date Drilled: : 11/13/2007
 Drilling Co.: : Gregg Drilling Company
 Drilling Method: : Hollow-Stem Auger
 Sampling Method: : Direct Push
 Borehole Diameter: : 6"
 Casing Diameter: : N/A
 Location N-S : 2115538.9
 Location E-W : 6069858.0
 Total Depth: : 37 fbg
 First GW Depth: : 35.1 fbg

Project No.: : Former Exxon Service Station 70234
 Site: : 3450 35th Avenue, Oakland, California
 Logged By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Reviewed By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Signature: : *Heidi Dieffenbach-Carle*

| Depth (ft) | Blow Count | OVM/PIID (ppmv) | Sample | Column | USCS | Sample Condition | Water Levels | DESCRIPTION |
|------------|------------|-----------------|--------|--------|------|---|--|---|
| | | | | | | <input type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input type="checkbox"/> Preserved Sample | ▽ First Encountered Water: 35.1' ▽ Second Encountered Water: NA | |
| 0 | | | | | | | | 6-inches of Concrete. Cleared to 8 fbg using a hand auger. |
| | | | | | FILL | | | FILL |
| | | | | | ML | | | CLAYEY SILT: very dark gray, damp, color becomes light olive brown at 2.5 fbg; trace fine grained sand. |
| 5 | | 0.0 | | | CL | | | SILTY CLAY: light olive brown, damp, soft, high plasticity; trace fine to medium grained sand; organic material - rootlets, bark, woody material gray clay stringers found with woody material. |
| | | 0.0 | | | CL | | | SANDY CLAY: light olive brown, damp; fine to medium grained sand. |
| 10 | | 147 | | | CL | | | @ 10 fbg orange staining; sand is fine to coarse grained. |
| 15 | | 2 | | | SC | | | CLAYEY SAND: fine to medium grained sand, yellowish brown, orange staining, damp; multi-colored volcanic clasts; trace fine grained gravel. |
| 20 | | 0.0 | | | ML | | | CLAYEY SILT WITH SAND: strong brown, damp; fine to medium grained sand; volcanic fragments. |
| 25 | | 0.0 | | | ML | | | @ 23 fbg sand size increases to coarse grained; trace gravel. |

Boring: B17



12-10-2007 J:\2476\BORING LOGS\2476 B17.bor



BORING LOG B17

(Page 2 of 2)

Date Drilled: : 11/13/2007
 Drilling Co.: : Gregg Drilling Company
 Drilling Method: : Hollow-Stem Auger
 Sampling Method: : Direct Push
 Borehole Diameter: : 6"
 Casing Diameter: : N/A
 Location N-S : 2115538.9
 Location E-W : 6069858.0
 Total Depth: : 37 fbgs
 First GW Depth: : 35.1 fbgs

Project No.: : Former Exxon Service Station 70234
 Site: : 3450 35th Avenue, Oakland, California
 Logged By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Reviewed By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Signature: : *Heidi Dieffenbach-Carle*

| Depth (ft) | Blow Count | OVM/PIID (ppmv) | Sample | Column | USCS | Sample Condition | Water Levels | DESCRIPTION |
|---|------------|-----------------|-------------------------------------|--------|------|---|--|---|
| | | | | | | <input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample | ▼ First Encountered Water: 35.1' ▽ Second Encountered Water: NA | |
| 25 | | | | | ML | | | CLAYEY SILT WITH SAND: strong brown, damp; coarse grained sand; volcanic fragments; trace gravel. |
| 30 | | 0.0 | <input checked="" type="checkbox"/> | | CL | | | SILTY CLAY WITH SAND: strong brown, damp; fine to coarse grained, subangular sand; rootlets; trace fine grained gravel. |
| 35 | | 0.0 | <input checked="" type="checkbox"/> | | CL | | | SANDY CLAY: brownish yellow, orange mottling, moist; fine grained sand. |
| | | | | | SC | | | CLAYEY SAND: fine to medium grained, brownish yellow, moist |
| | | | | | CL | | | SANDY CLAY: |
| | | | | | SC | | | CLAYEY SAND |
| | | | | | CL | | | SANDY CLAY |
| Cleared with a hand auger to 8.0 fbgs on 09/05/2007. Drilled with hollow-stem augers on 11/13/2007. Groundwater sampled @ 37 fbgs 11/13/2007. | | | | | | | | |
| 40 | | | | | | | | |
| 45 | | | | | | | | |
| 50 | | | | | | | | |

Boring: B17

Neat Cement

12-10-2007 J:\2476\BORING LOGS\2476 B17.bor



BORING LOG B18

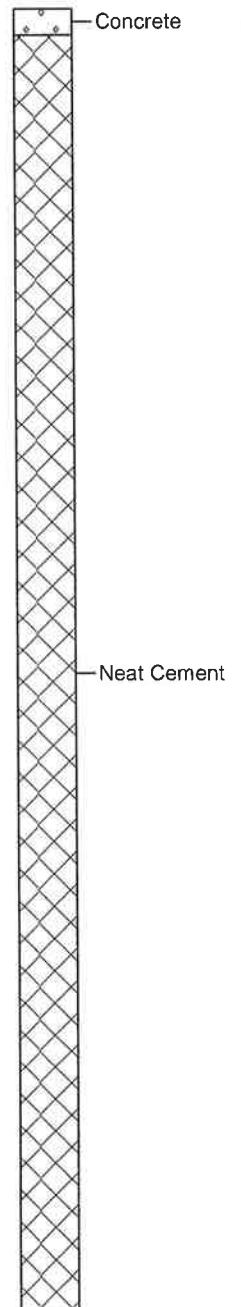
(Page 1 of 2)

Date Drilled: : 11/12/2007
 Drilling Co.: : Gregg Drilling Company
 Drilling Method: : Hollow-Stem Auger
 Sampling Method: : Direct Push
 Borehole Diameter: : 6"
 Casing Diameter: : N/A
 Location N-S : 2115521.4
 Location E-W : 6069871.2
 Total Depth: : 38 fbgs
 First GW Depth: : 34 fbgs

Project No.: : Former Exxon Service Station 70234
 Site: : 3450 35th Avenue, Oakland, California
 Logged By: : Paula Slme / Rebekah A. Westrup
 Reviewed By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Signature: : *Heidi Dieffenbach-Carle*

| Depth (ft) | Blow Count | OVM/PID (ppmv) | Sample | Column | USCS | Sample Condition | Water Levels | DESCRIPTION |
|------------|------------|----------------|--------|--------|------|---|--|---|
| | | | | | | <input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample | ▼ First Encountered Water: 34' ▽ Second Encountered Water: NA | |
| 0 | | | | | | | | 6-inches of Concrete. Cleared to 8 fbgs using a hand auger. |
| 0 - 4 | | | | | | | | DEBRIS FILL |
| 4 - 8 | | 0.0 | | | CH | | | CLAY WITH SAND: yellowish orange, moist, high plasticity; fine grained sand; trace subangular gravel < 4-inches in diameter. |
| 8 - 13 | | 0.0 | | | CL | | | CLAY WITH SAND: yellowish brown, damp, high plasticity; fine to coarse grained, subrounded sand; occassional fine grained, subrounded gravel. |
| 13 - 23 | | 0.0 | | | SC | | | CLAYEY SAND: fine to coarse grained sand, yellowish brown, dry, low plasticity, well graded, subangular. |
| 23 - 25 | | 0.0 | | | SC | | | CLAYEY SAND WITH GRAVEL: medium to coarse grained, yellowish brown, dry, well graded, rounded; fine grained subangular gravel. |

Boring: B18





BORING LOG B18

(Page 2 of 2)

Date Drilled: : 11/12/2007
 Drilling Co.: : Gregg Drilling Company
 Drilling Method: : Hollow-Stem Auger
 Sampling Method: : Direct Push
 Borehole Diameter: : 6"
 Casing Diameter: : N/A
 Location N-S : 2115521.4
 Location E-W : 6069871.2
 Total Depth: : 38 fbgs
 First GW Depth: : 34 fbgs

Project No.: : Former Exxon Service Station 70234
 Site: : 3450 35th Avenue, Oakland, California
 Logged By: : Paula Sime / Rebekah A. Westrup
 Reviewed By: : Heidi L. Dieffenbach-Carle, P.G. #6793
 Signature: : *Heidi Dieffenbach-Carle*

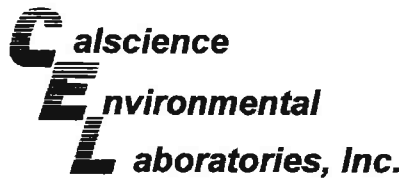
| Depth (ft) | Blow Count | OVM/PID (ppmv) | Sample | Column | USCS | Sample Condition | Water Levels | DESCRIPTION |
|------------|------------|----------------|--------|--------|------|---|--|---|
| | | | | | | <input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample | ▼ First Encountered Water: 34' ▽ Second Encountered Water: NA | |
| 25 | | 0.0 | | | SC | | | CLAYEY SAND WITH GRAVEL: medium to coarse grained, yellowish brown, dry, well graded, rounded; fine grained subangular gravel. |
| 30 | | 78 | | | SC | | | CLAYEY SAND: medium to coarse grained, dark yellowish brown, damp, well graded, rounded, increasing clay content; occasional fine grained, subangular gravel. |
| | | | | | CL | | | SILTY CLAY: brown, moist, high plasticity. |
| 35 | | 0.0 | | | SW | | | SAND: fine to coarse grained, brown, wet, well graded, angular to subangular. |
| | | | | | GC | | | CLAYEY GRAVEL: fine grained, grayish brown, moist, angular. |
| | | | | | SC | | | CLAYEY SAND: fine to coarse grained, brown, damp to moist, well graded, subangular. |
| 40 | | | | | | | | Cleared with a hand auger to 8.0 fbgs on 09/04/2007. Drilled with hollow-stem augers on 11/12/2007. Groundwater sampled @ 38 fbgs 11/12/2007. |
| 45 | | | | | | | | |
| 50 | | | | | | | | |

Boring: B18

Neat Cement

ATTACHMENT E

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



Supplemental Report 1

October 03, 2007

The original report has been revised/corrected.

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

Subject: **Calscience Work Order No.: 07-09-0209**
Client Reference: **ExxonMobil 7-0234**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/6/2007 and analyzed in accordance with the attached chain-of-custody.

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

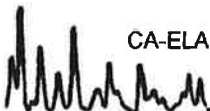
Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

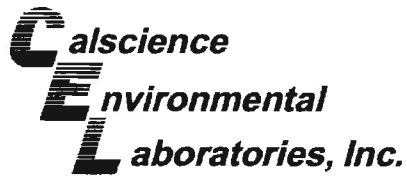
If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Cecile deGuia".

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager





CASE NARRATIVE

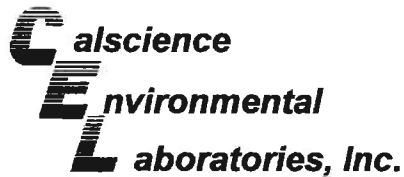
Calscience Work Order No.: 07-09-0209
Client Reference: ExxonMobil 7-0234

On September 28, 2007, Calscience Environmental Laboratories, Inc. received a request to convert the reporting units for 8260B soil samples to mg/kg for the above project.

The report has been amended to reflect the units change from ug/kg to mg/kg.

The email instruction from Rebekah Westrup is attached.





Analytical Report

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

Date Received: 09/06/07
Work Order No: 07-09-0209
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-5-B16 | 07-09-0209-1 | 09/04/07 | Solid | GC 22 | 09/06/07 | 09/06/07 | 070906B01 |

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

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

| | | | | | | | |
|---------|--------------|----------|-------|-------|----------|----------|-----------|
| S-5-B18 | 07-09-0209-2 | 09/04/07 | Solid | GC 22 | 09/06/07 | 09/06/07 | 070906B01 |
|---------|--------------|----------|-------|-------|----------|----------|-----------|

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

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

| | | | | | | | |
|---------|--------------|----------|-------|-------|----------|----------|-----------|
| S-5-B15 | 07-09-0209-3 | 09/04/07 | Solid | GC 22 | 09/06/07 | 09/06/07 | 070906B01 |
|---------|--------------|----------|-------|-------|----------|----------|-----------|

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

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

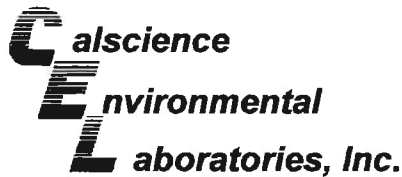
| | | | | | | | |
|---------|--------------|----------|-------|-------|----------|----------|-----------|
| S-5-B12 | 07-09-0209-4 | 09/04/07 | Solid | GC 22 | 09/06/07 | 09/06/07 | 070906B01 |
|---------|--------------|----------|-------|-------|----------|----------|-----------|

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

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 77 | 42-126 | |

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

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



Analytical Report

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

Date Received: 09/06/07
Work Order No: 07-09-0209
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-5-B13 | 07-09-0209-5 | 09/05/07 | Solid | GC 22 | 09/06/07 | 09/06/07 | 070906B01 |

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 76 | 42-126 | | | |

| | | | | | | | |
|---------|--------------|----------|-------|-------|----------|----------|-----------|
| S-5-B11 | 07-09-0209-6 | 09/05/07 | Solid | GC 22 | 09/06/07 | 09/06/07 | 070906B01 |
|---------|--------------|----------|-------|-------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 73 | 42-126 | | | |

| | | | | | | | |
|---------|--------------|----------|-------|-------|----------|----------|-----------|
| S-5-B17 | 07-09-0209-7 | 09/05/07 | Solid | GC 22 | 09/06/07 | 09/06/07 | 070906B01 |
|---------|--------------|----------|-------|-------|----------|----------|-----------|

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

| | | | | | | | |
|--------------|------------------|-----|-------|-------|----------|----------|-----------|
| Method Blank | 099-12-279-1,063 | N/A | Solid | GC 22 | 09/06/07 | 09/06/07 | 070906B01 |
|--------------|------------------|-----|-------|-------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 76 | 42-126 | | | |

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

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Analytical Report

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

 Date Received: 09/06/07
 Work Order No: 07-09-0209
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: mg/kg

Project: ExxonMobil 7-0234

Page 1 of 3

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID | | |
|----------------------|---------------------|-----------------------|--------------|-----------------|-------------------------------|-----------------|-----------------------|-----------|-------------|
| S-5-B16 | 07-09-0209-1 | 09/04/07 | Solid | GC/MS JJ | 09/06/07 | 09/06/07 | 070906L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 105 | 73-139 | | | 1,2-Dichloroethane-d4 | 103 | 73-145 | | |
| Toluene-d8 | 101 | 90-108 | | | 1,4-Bromofluorobenzene | 96 | 71-113 | | |
| S-5-B18 | 07-09-0209-2 | 09/04/07 | Solid | GC/MS JJ | 09/06/07 | 09/06/07 | 070906L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 109 | 73-139 | | | 1,2-Dichloroethane-d4 | 108 | 73-145 | | |
| Toluene-d8 | 99 | 90-108 | | | 1,4-Bromofluorobenzene | 96 | 71-113 | | |
| S-5-B15 | 07-09-0209-3 | 09/04/07 | Solid | GC/MS JJ | 09/06/07 | 09/06/07 | 070906L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 112 | 73-139 | | | 1,2-Dichloroethane-d4 | 107 | 73-145 | | |
| Toluene-d8 | 101 | 90-108 | | | 1,4-Bromofluorobenzene | 99 | 71-113 | | |

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



Analytical Report

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

Date Received: 09/06/07
Work Order No: 07-09-0209
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234

Page 2 of 3

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-5-B12 | 07-09-0209-4 | 09/04/07 | Solid | GC/MS JJ | 09/06/07 | 09/06/07 | 070906L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 108 | 73-139 | | | 1,2-Dichloroethane-d4 | 106 | 73-145 | | |
| Toluene-d8 | 100 | 90-108 | | | 1,4-Bromofluorobenzene | 96 | 71-113 | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-5-B13 | 07-09-0209-5 | 09/05/07 | Solid | GC/MS JJ | 09/06/07 | 09/06/07 | 070906L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 108 | 73-139 | | | 1,2-Dichloroethane-d4 | 107 | 73-145 | | |
| Toluene-d8 | 99 | 90-108 | | | 1,4-Bromofluorobenzene | 99 | 71-113 | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-5-B11 | 07-09-0209-6 | 09/05/07 | Solid | GC/MS JJ | 09/06/07 | 09/06/07 | 070906L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 114 | 73-139 | | | 1,2-Dichloroethane-d4 | 109 | 73-145 | | |
| Toluene-d8 | 101 | 90-108 | | | 1,4-Bromofluorobenzene | 97 | 71-113 | | |

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

Analytical Report

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

Date Received: 09/06/07
 Work Order No: 07-09-0209
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: mg/kg

Project: ExxonMobil 7-0234

Page 3 of 3

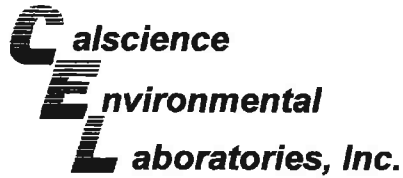
| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-5-B17 | 07-09-0209-7 | 09/05/07 | Solid | GC/MS JJ | 09/06/07 | 09/06/07 | 070906L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 109 | 73-139 | | | 1,2-Dichloroethane-d4 | 106 | 73-145 | | |
| Toluene-d8 | 100 | 90-108 | | | 1,4-Bromofluorobenzene | 95 | 71-113 | | |

| Method Blank | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|--------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| | 099-10-005-14,710 | N/A | Solid | GC/MS JJ | 09/06/07 | 09/06/07 | 070906L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 108 | 73-139 | | | 1,2-Dichloroethane-d4 | 101 | 73-145 | | |
| Toluene-d8 | 99 | 90-108 | | | 1,4-Bromofluorobenzene | 95 | 71-113 | | |

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



Quality Control - Spike/Spike Duplicate

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

Date Received: 09/06/07
Work Order No: 07-09-0209
Preparation: EPA 5030B
Method: EPA 8015B (M)

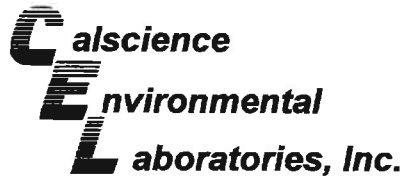
Project ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| S-5-B12 | Solid | GC 22 | 09/06/07 | 09/06/07 | 070906S01 |

| <u>Parameter</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 Gasoline | 88 | 90 | 48-114 | 2 | 0-23 | |

RPD - Relative Percent Difference , CL - Control Limit

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Quality Control - Spike/Spike Duplicate

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

Date Received: 09/06/07
Work Order No: 07-09-0209
Preparation: EPA 5030B
Method: EPA 8260B

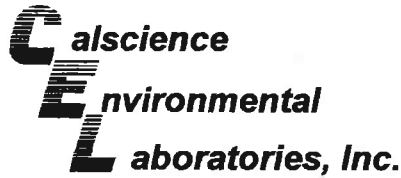
Project ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| S-5-B16 | Solid | GC/MS JJ | 09/06/07 | 09/06/07 | 070906S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene | 93 | 82 | 79-115 | 12 | 0-13 | |
| Carbon Tetrachloride | 105 | 91 | 55-139 | 15 | 0-15 | |
| Chlorobenzene | 92 | 81 | 79-115 | 13 | 0-17 | |
| 1,2-Dibromoethane | 96 | 83 | 70-130 | 15 | 0-30 | |
| 1,2-Dichlorobenzene | 88 | 77 | 63-123 | 14 | 0-23 | |
| 1,1-Dichloroethene | 89 | 77 | 69-123 | 15 | 0-16 | |
| Ethylbenzene | 94 | 81 | 70-130 | 14 | 0-30 | |
| Toluene | 97 | 84 | 79-115 | 14 | 0-15 | |
| Trichloroethene | 93 | 80 | 66-144 | 15 | 0-14 | 4 |
| Vinyl Chloride | 78 | 93 | 60-126 | 17 | 0-14 | 4 |
| Methyl-t-Butyl Ether (MTBE) | 98 | 81 | 68-128 | 18 | 0-14 | 4 |
| Tert-Butyl Alcohol (TBA) | 109 | 93 | 44-134 | 16 | 0-37 | |
| Diisopropyl Ether (DIPE) | 103 | 87 | 75-123 | 17 | 0-12 | 4 |
| Ethyl-t-Butyl Ether (ETBE) | 109 | 92 | 75-117 | 17 | 0-12 | 4 |
| Tert-Amyl-Methyl Ether (TAME) | 100 | 85 | 79-115 | 17 | 0-12 | 4 |
| Ethanol | 102 | 87 | 42-138 | 15 | 0-28 | |

RPD - Relative Percent Difference , CL - Control Limit

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Quality Control - LCS/LCS Duplicate

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

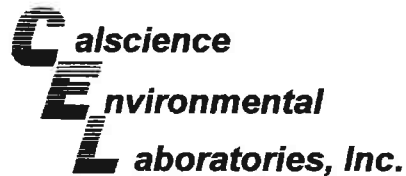
Date Received: N/A
 Work Order No: 07-09-0209
 Preparation: EPA 5030B
 Method: EPA 8015B (M)

Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-279-1,063 | Solid | GC 22 | 09/06/07 | 09/06/07 | 070906B01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|----------|-----------|---------|-----|--------|------------|
| TPH as Gasoline | 99 | 94 | 70-124 | 5 | 0-18 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 07-09-0209
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-10-005-14,710 | Solid | GC/MS JJ | 09/06/07 | 09/06/07 | 070906L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene | 98 | 99 | 84-114 | 1 | 0-7 | |
| Carbon Tetrachloride | 115 | 110 | 66-132 | 4 | 0-12 | |
| Chlorobenzene | 99 | 98 | 87-111 | 1 | 0-7 | |
| 1,2-Dibromoethane | 97 | 100 | 80-120 | 4 | 0-20 | |
| 1,2-Dichlorobenzene | 96 | 97 | 79-115 | 1 | 0-8 | |
| 1,1-Dichloroethene | 95 | 92 | 73-121 | 3 | 0-12 | |
| Ethylbenzene | 102 | 100 | 80-120 | 2 | 0-20 | |
| Toluene | 102 | 102 | 78-114 | 1 | 0-7 | |
| Trichloroethene | 98 | 98 | 84-114 | 0 | 0-8 | |
| Vinyl Chloride | 84 | 81 | 63-129 | 4 | 0-15 | |
| Methyl-t-Butyl Ether (MTBE) | 97 | 98 | 77-125 | 1 | 0-11 | |
| Tert-Butyl Alcohol (TBA) | 103 | 115 | 47-137 | 11 | 0-27 | |
| Diisopropyl Ether (DIPE) | 108 | 105 | 76-130 | 2 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 112 | 111 | 76-124 | 1 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 101 | 105 | 82-118 | 4 | 0-11 | |
| Ethanol | 107 | 114 | 59-131 | 7 | 0-21 | |

RPD - Relative Percent Difference, CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501

Glossary of Terms and Qualifiers

Work Order Number: 07-09-0209

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



Cecile de Guia

From: Rebekah Westrup [rwestrup@ERI-US.com]
Sent: Friday, September 28, 2007 2:48 PM
To: Cecile de Guia
Subject: Wrong Units

Cecile:

Paula said that you two have already touched based regarding units for soil samples and how we need everything reported in mg/kg. The following labs were reported in ug/kg for BTEX and 7 oxys

07-09-0533
07-09-0647
07-09-0788
07-09-0209

I think they were generated prior to your conversation with Paula. Please correct the units and re-issue the reports and their corresponding EDf files.

Thanks



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



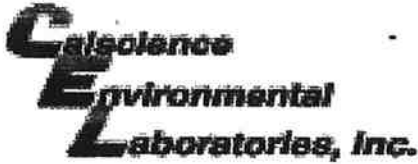
7440 LINCOLN WAY
 GARDEN GROVE, CA 92641-1432
 TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY **ORD**

DATE: 9-5-07

PAGE: 1 OF 1

| LABORATORY CLIENT: Exxon Mobil Refining & Supply - Global Remediation | | | | CLIENT PROJECT NAME / NUMBER: 247603X / 7-0234 | | | | P.O. NO.: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------|-------------------------------|-------------------|---|---------------------|---|------------------|---------------------|---|------------------------|--|--|---------------|---------------|-------------------|---------------|---------------------|--------------------------|------------------|---------------------|--|--|--|--|--|--|--|--|---|---------|--------|------|------|-------|---|---|---|---|--|--|--|--|--|--|--|---|---------|--------|-------|------|-------|---|---|---|---|--|--|--|--|--|--|--|---|---------|--------|-------|------|-------|---|---|---|---|--|--|--|--|--|--|--|---|---------|--------|-------|------|-------|---|---|---|---|--|--|--|--|--|--|--|---|---------|--------|------|------|-------|---|---|---|---|--|--|--|--|--|--|--|---|---------|--------|------|------|-------|---|---|---|---|--|--|--|--|--|--|--|---|---------|--------|------|------|-------|---|---|---|---|--|--|--|--|--|--|--|
| ADDRESS: c/o Environmental Resolutions, Inc. 601 North McDowell Blvd. Petaluma, California 94954 | | | | PROJECT CONTACT: Paula Sime/ERI | | | | QUOTE NO.: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEL: (707) 766-2000 | | FAX: (707) 789-0414 | | E-MAIL: norcallabs@eri-us.com | | SAMPLER(S): (SIGNATURE) <i>[Signature]</i> | | | | LAB USE ONLY 090209 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TURNAROUND TIME <input type="checkbox"/> SAME DAY <input checked="" type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS | | | | REQUESTED ANALYSIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) Send EDF report / Global ID: T06019757161 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS Use Silica Gel Cleanup for all TPHd analyses. Set TBA reporting limit at or below 12 ug/L. Oxygenates: MTBE, ETBE, TAME, DIPE, TBA Lead Scavengers: 1,2-DCA, EDB | | | | <table border="1"> <thead> <tr> <th></th> <th>TPHd by 6015B</th> <th>TPHg by 6015B</th> <th>Methanol by 6015B</th> <th>BTEX by 6260B</th> <th>Oxygenates by 6260B</th> <th>Lead Scavengers by 6260B</th> <th>Ethanol by 6260B</th> <th>Total Lead by 6010B</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>S-5-B16</td> <td>9/4/07</td> <td>9:00</td> <td>Soil</td> <td>brass</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>S-5-B18</td> <td>9/4/07</td> <td>11:10</td> <td>Soil</td> <td>brass</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>S-5-B15</td> <td>9/4/07</td> <td>14:00</td> <td>Soil</td> <td>brass</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>S-5-B12</td> <td>9/4/07</td> <td>15:15</td> <td>Soil</td> <td>brass</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>S-5-B13</td> <td>9/5/07</td> <td>0835</td> <td>Soil</td> <td>brass</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>S-5-B11</td> <td>9/5/07</td> <td>0945</td> <td>Soil</td> <td>brass</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>S-5-B17</td> <td>9/5/07</td> <td>1100</td> <td>Soil</td> <td>brass</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | | | | TPHd by 6015B | TPHg by 6015B | Methanol by 6015B | BTEX by 6260B | Oxygenates by 6260B | Lead Scavengers by 6260B | Ethanol by 6260B | Total Lead by 6010B | | | | | | | | | 1 | S-5-B16 | 9/4/07 | 9:00 | Soil | brass | X | X | X | X | | | | | | | | 2 | S-5-B18 | 9/4/07 | 11:10 | Soil | brass | X | X | X | X | | | | | | | | 3 | S-5-B15 | 9/4/07 | 14:00 | Soil | brass | X | X | X | X | | | | | | | | 4 | S-5-B12 | 9/4/07 | 15:15 | Soil | brass | X | X | X | X | | | | | | | | 5 | S-5-B13 | 9/5/07 | 0835 | Soil | brass | X | X | X | X | | | | | | | | 6 | S-5-B11 | 9/5/07 | 0945 | Soil | brass | X | X | X | X | | | | | | | | 7 | S-5-B17 | 9/5/07 | 1100 | Soil | brass | X | X | X | X | | | | | | | |
| | TPHd by 6015B | TPHg by 6015B | Methanol by 6015B | BTEX by 6260B | Oxygenates by 6260B | Lead Scavengers by 6260B | Ethanol by 6260B | Total Lead by 6010B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | S-5-B16 | 9/4/07 | 9:00 | Soil | brass | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | S-5-B18 | 9/4/07 | 11:10 | Soil | brass | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | S-5-B15 | 9/4/07 | 14:00 | Soil | brass | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | S-5-B12 | 9/4/07 | 15:15 | Soil | brass | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | S-5-B13 | 9/5/07 | 0835 | Soil | brass | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | S-5-B11 | 9/5/07 | 0945 | Soil | brass | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | S-5-B17 | 9/5/07 | 1100 | Soil | brass | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>[Signature]</i> | | | | Received by: (Signature) <i>[Signature]</i> CEL | | | | Date: 9.5.07 | | Time: 1445 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>[Signature]</i> GSD | | | | Received by: (Signature) <i>[Signature]</i> Fanna (CEL) | | | | Date: 09.dec.07 | | Time: 1030 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | Received by: (Signature) | | | | Date: | | Time: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



WORK ORDER #: 07 - 09 - 0209

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Exxonmobil

DATE: 09.06.07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
Chilled, cooler without temperature blank.
Chilled and placed in cooler with wet ice.
Ambient and placed in cooler with wet ice.
Ambient temperature.
°C Temperature blank.

LABORATORY (Other than Calscience Courier):

- 7.8 °C Temperature blank.
°C IR thermometer.
Ambient temperature.

Initial: SF

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact):

Not Present: SF

SAMPLE CONDITION:

Table with 4 columns: Description, Yes, No, N/A. Rows include Chain-Of-Custody document(s) received with samples, Sampler's name indicated on COC, Sample container label(s) consistent with custody papers, Sample container(s) intact and good condition, Correct containers and volume for analyses requested, Proper preservation noted on sample label(s), VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: SF

COMMENTS:

Blank lines for handwritten comments.



Supplemental Report 1

October 03, 2007

The original report has been revised/corrected.

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

Subject: **Calscience Work Order No.: 07-09-0788**
Client Reference: **ExxonMobil 7-0234 / 247603X**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/13/2007 and analyzed in accordance with the attached chain-of-custody.

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

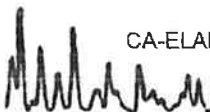
Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

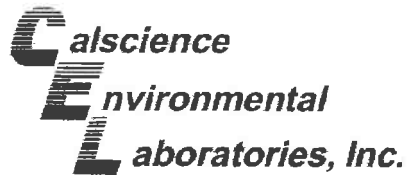
If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in cursive script that reads "Cecile deGuia".

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager





CASE NARRATIVE

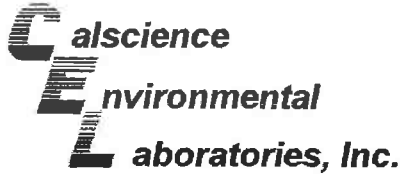
Calscience Work Order No.: 07-09-0788
Client Reference: ExxonMobil 7-0234

On September 28, 2007, Calscience Environmental Laboratories, Inc. received a request to convert the reporting units for 8260B soil samples to mg/kg for the above project.

The report has been amended to reflect the units change from ug/kg to mg/kg.

The email instruction from Rebekah Westrup is attached.





Analytical Report



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

Date Received: 09/13/07
Work Order No: 07-09-0788
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-5.0-B14 | 07-09-0788-1 | 09/06/07 | Solid | GC 1 | 09/13/07 | 09/13/07 | 070913B01 |

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 47 | 42-126 | | | |

| | | | | | | | |
|--------------|------------------|-----|-------|------|----------|----------|-----------|
| Method Blank | 099-12-279-1,094 | N/A | Solid | GC 1 | 09/13/07 | 09/13/07 | 070913B01 |
|--------------|------------------|-----|-------|------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 107 | 42-126 | | | |

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers

Analytical Report



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

Date Received: 09/13/07
Work Order No: 07-09-0788
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234 / 247603X

Page 1 of 1

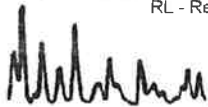
| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-5.0-B14 | 07-09-0788-1 | 09/06/07 | Solid | GC/MS Q | 09/13/07 | 09/13/07 | 070913L01 |

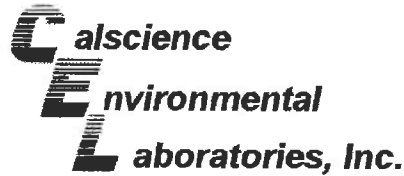
| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|-------------|------|-------------------------------|----------------|-----------------------|-------------|------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> | |
| Dibromofluoromethane | 111 | 73-139 | | | 1,2-Dichloroethane-d4 | 112 | 73-145 | | |
| Toluene-d8 | 98 | 90-108 | | | 1,4-Bromofluorobenzene | 90 | 71-113 | | |

| | | | | | | | |
|--------------|-------------------|-----|-------|---------|----------|----------|-----------|
| Method Blank | 099-10-005-14,756 | N/A | Solid | GC/MS Q | 09/13/07 | 09/13/07 | 070913L01 |
|--------------|-------------------|-----|-------|---------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|-------------|------|-------------------------------|----------------|-----------------------|-------------|------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> | |
| Dibromofluoromethane | 108 | 73-139 | | | 1,2-Dichloroethane-d4 | 111 | 73-145 | | |
| Toluene-d8 | 96 | 90-108 | | | 1,4-Bromofluorobenzene | 92 | 71-113 | | |

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





Quality Control - Spike/Spike Duplicate



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

Date Received: 09/13/07
Work Order No: 07-09-0788
Preparation: EPA 5030B
Method: EPA 8015B (M)

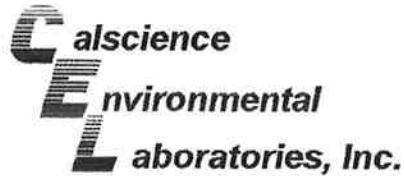
Project ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| 07-09-0702-23 | Solid | GC 1 | 09/13/07 | 09/13/07 | 070913S01 |

| <u>Parameter</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 Gasoline | 46 | 43 | 48-114 | 7 | 0-23 | 3 |

RPD - Relative Percent Difference, CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



Quality Control - Spike/Spike Duplicate



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

Date Received: 09/13/07
Work Order No: 07-09-0788
Preparation: EPA 5030B
Method: EPA 8260B

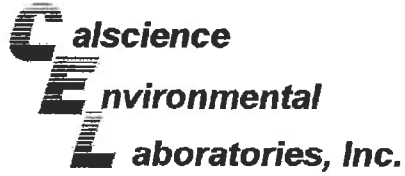
Project ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| S-5.0-B14 | Solid | GC/MS Q | 09/13/07 | 09/13/07 | 070913S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene | 101 | 88 | 79-115 | 14 | 0-13 | 4 |
| Carbon Tetrachloride | 104 | 86 | 55-139 | 18 | 0-15 | 4 |
| Chlorobenzene | 100 | 89 | 79-115 | 12 | 0-17 | |
| 1,2-Dibromoethane | 101 | 103 | 70-130 | 1 | 0-30 | |
| 1,2-Dichlorobenzene | 98 | 89 | 63-123 | 9 | 0-23 | |
| 1,1-Dichloroethene | 104 | 87 | 69-123 | 17 | 0-16 | 4 |
| Ethylbenzene | 107 | 95 | 70-130 | 12 | 0-30 | |
| Toluene | 106 | 90 | 79-115 | 16 | 0-15 | 4 |
| Trichloroethene | 105 | 90 | 66-144 | 16 | 0-14 | 4 |
| Vinyl Chloride | 89 | 70 | 60-126 | 24 | 0-14 | 4 |
| Methyl-t-Butyl Ether (MTBE) | 101 | 94 | 88-128 | 7 | 0-14 | |
| Tert-Butyl Alcohol (TBA) | 105 | 105 | 44-134 | 1 | 0-37 | |
| Diisopropyl Ether (DIPE) | 103 | 95 | 75-123 | 8 | 0-12 | |
| Ethyl-t-Butyl Ether (ETBE) | 102 | 94 | 75-117 | 8 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 107 | 96 | 79-115 | 11 | 0-12 | |
| Ethanol | 92 | 91 | 42-138 | 1 | 0-28 | |

RPD - Relative Percent Difference, CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



Quality Control - LCS/LCS Duplicate



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

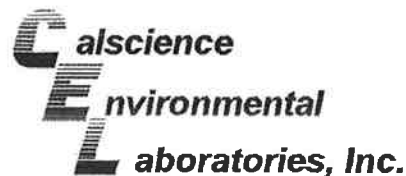
Date Received: N/A
 Work Order No: 07-09-0788
 Preparation: EPA 5030B
 Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-279-1,094 | Solid | GC 1 | 09/13/07 | 09/13/07 | 070913B01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|----------|-----------|---------|-----|--------|------------|
| TPH as Gasoline | 115 | 115 | 70-124 | 0 | 0-18 | |

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 07-09-0788
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-10-005-14,756 | Solid | GC/MS Q | 09/13/07 | 09/13/07 | 070913L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene | 102 | 102 | 84-114 | 0 | 0-7 | |
| Carbon Tetrachloride | 102 | 100 | 66-132 | 2 | 0-12 | |
| Chlorobenzene | 101 | 101 | 87-111 | 0 | 0-7 | |
| 1,2-Dibromoethane | 102 | 99 | 80-120 | 2 | 0-20 | |
| 1,2-Dichlorobenzene | 97 | 97 | 79-115 | 0 | 0-8 | |
| 1,1-Dichloroethene | 105 | 100 | 73-121 | 5 | 0-12 | |
| Ethylbenzene | 108 | 107 | 80-120 | 1 | 0-20 | |
| Toluene | 105 | 106 | 78-114 | 1 | 0-7 | |
| Trichloroethene | 104 | 104 | 84-114 | 0 | 0-8 | |
| Vinyl Chloride | 94 | 85 | 63-129 | 9 | 0-15 | |
| Methyl-t-Butyl Ether (MTBE) | 104 | 101 | 77-125 | 3 | 0-11 | |
| Tert-Butyl Alcohol (TBA) | 72 | 71 | 47-137 | 1 | 0-27 | |
| Diisopropyl Ether (DIPE) | 103 | 102 | 76-130 | 1 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 101 | 100 | 76-124 | 1 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 104 | 105 | 82-118 | 1 | 0-11 | |
| Ethanol | 102 | 94 | 59-131 | 8 | 0-21 | |

RPD - Relative Percent Difference, CL - Control Limit

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Work Order Number: 07-09-0788

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



Cecile de Guia

From: Rebekah Westrup [rwestrup@ERI-US.com]
Sent: Friday, September 28, 2007 2:48 PM
To: Cecile de Guia
Subject: Wrong Units

Cecile:

Paula said that you two have already touched based regarding units for soil samples and how we need everything reported in mg/kg. The following labs were reported in ug/kg for BTEX and 7 oxy's

07-09-0533
07-09-0647
07-09-0788
07-09-0209

I think they were generated prior to your conversation with Paula. Please correct the units and re-issue the reports and their corresponding EDf files.

Thanks



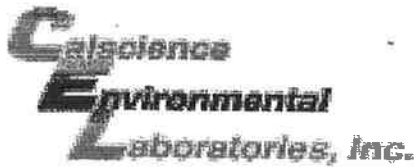
Rebekah A. Westrup
Senior Staff Geologist
Environmental Resolutions, Inc.
601 N. McDowell Blvd
Petaluma, CA 94954
rwestrup@eri-us.com
www.eri-us.com
707-766-2000-Office
707-338-8555-Direct
707-789-0414-Fax



7440 LINCOLN WAY
 GARDEN GROVE, CA 92841-1432
 TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY **ORD**
 DATE: 9-6-07
 PAGE: 1 OF 1

| LABORATORY CLIENT: Exxon Mobil Refining & Supply - Global Remediation | | | | CLIENT PROJECT NAME / NUMBER: 247603X / 7-0234 | | | | P.O. NO.: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------|-------------------------------|---------------|---|---------------|--|---------------|---------------------------------|-------------------|---------------------|--------------------------|--------------------------|---------------------|---------------------|--------------------------|------------------|---------------------|--|--|--|--|--|--|--|--|--|--|--|---|--|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|
| ADDRESS: c/o Environmental Resolutions, Inc. 601 North McDowell Blvd. Petaluma, California 94954 | | | | PROJECT CONTACT: Paula Sime/ERI | | | | QUOTE NO.: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEL: (707) 766-2000 | | FAX: (707) 789-0414 | | E-MAIL: norcallabs@eri-us.com | | SAMPLER(S); (SIGNATURE) <i>Heidi Diefenbach-Carle</i> | | LAB USE ONLY 09 07 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TURNAROUND TIME <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS | | | | REQUESTED ANALYSIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) Send EDF report / Global ID: T06019757161 | | | | <table border="1"> <thead> <tr> <th>TPHd by 8015B</th> <th>TPHg by 8015B</th> <th>Methanol by 8015B</th> <th>BTEX by 8260B</th> <th>Oxygenates by 8260B</th> <th>Lead Scavengers by 8260B</th> <th>Ethanol by 8260B</th> <th>Total Lead by 6010B</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td>X</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | TPHd by 8015B | TPHg by 8015B | Methanol by 8015B | BTEX by 8260B | Oxygenates by 8260B | Lead Scavengers by 8260B | Ethanol by 8260B | Total Lead by 6010B | | | | | | | | | | | | X | | X | X | X | | | | | | | | | | | | |
| TPHd by 8015B | TPHg by 8015B | Methanol by 8015B | BTEX by 8260B | | | | | | | Oxygenates by 8260B | Lead Scavengers by 8260B | Ethanol by 8260B | Total Lead by 6010B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS Use Silica Gel Cleanup for all TPHd analyses. Set TBA reporting limit at or below 12 ug/L. Oxygenates: MTBE, ETBE, TAME, DIPE, TBA Lead Scavengers: 1,2-DCA, EDB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAB USE ONLY | SAMPLE ID | LOCATION/ DESCRIPTION | SAMPLING | | Matrix | SCOM | TPHd by 8015B | TPHg by 8015B | Methanol by 8015B | BTEX by 8260B | Oxygenates by 8260B | Lead Scavengers by 8260B | Ethanol by 8260B | Total Lead by 6010B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S-5.0-B14 | B14 | 9-6-07 | 0845 | Soil Vials | | X | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>Heidi Diefenbach Carle</i> | | | | | | Received by: (Signature) <i>[Signature]</i> | | | | | | Date: 9-13-07 | | Time: 1115 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>[Signature]</i> | | | | | | Received by: (Signature) <i>[Signature]</i> | | | | | | Date: 9/13/07 | | Time: 1030 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>[Signature]</i> | | | | | | Received by: (Signature) <i>[Signature]</i> | | | | | | Date: | | Time: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



WORK ORDER #: 07 - 09 - 0788

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: ERI

DATE: 9/13/07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
Chilled, cooler without temperature blank.
Chilled and placed in cooler with wet ice.
Ambient and placed in cooler with wet ice.
Ambient temperature.
°C Temperature blank.

LABORATORY (Other than Calscience Courier):

- 3.9 °C Temperature blank.
°C IR thermometer.
Ambient temperature.

Initial: JP

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact): Not Present: [check]

Initial: JP

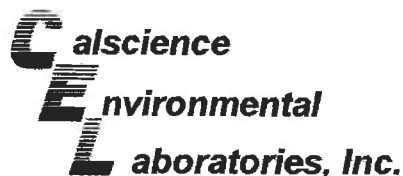
SAMPLE CONDITION:

Table with 4 columns: Description, Yes, No, N/A. Rows include Chain-Of-Custody document(s), Sampler's name, Sample container label(s), Sample container(s) intact, Correct containers and volume, Proper preservation, VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: JP

COMMENTS:

Blank lines for handwritten comments.



Supplemental Report 1

October 03, 2007

The original report has been revised/corrected.

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

Subject: **Calscience Work Order No.: 07-09-0533**
Client Reference: **ExxonMobil 7-0234 / 247603X**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/11/2007 and analyzed in accordance with the attached chain-of-custody.

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

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

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

Sincerely,

A handwritten signature in cursive script that reads "Cecile deGuia".

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager

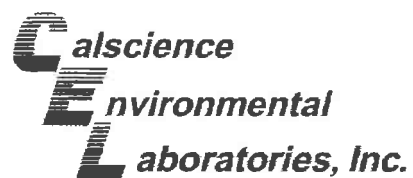
CA-ELAP ID: 1230

• NELAP ID: 03220CA

• CSDLAC ID: 10109

• SCAQMD ID: 93LA0830

A handwritten signature in cursive script that reads "Cecile deGuia".
7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



CASE NARRATIVE

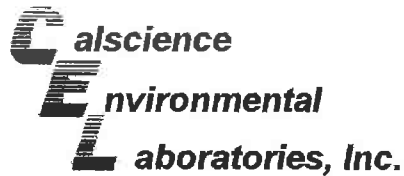
Calscience Work Order No.: 07-09-0533
Client Reference: ExxonMobil 7-0234

On September 28, 2007, Calscience Environmental Laboratories, Inc. received a request to convert the reporting units for 8260B soil samples to mg/kg for the above project.

The report has been amended to reflect the units change from ug/kg to mg/kg.

The email instruction from Rebekah Westrup is attached.

A handwritten signature in black ink, appearing to be a stylized name, located at the bottom left of the page.



Analytical Report



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

Date Received: 09/11/07
Work Order No: 07-09-0533
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-10-B13 | 07-09-0533-1 | 09/10/07 | Solid | GC 18 | 09/11/07 | 09/12/07 | 070911B01 |

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

| | | | | | | | |
|------------|--------------|----------|-------|-------|----------|----------|-----------|
| S-14.5-B13 | 07-09-0533-2 | 09/10/07 | Solid | GC 18 | 09/11/07 | 09/12/07 | 070911B01 |
|------------|--------------|----------|-------|-------|----------|----------|-----------|

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

| | | | | | | | |
|----------|--------------|----------|-------|-------|----------|----------|-----------|
| S-20-B13 | 07-09-0533-3 | 09/10/07 | Solid | GC 18 | 09/11/07 | 09/12/07 | 070911B01 |
|----------|--------------|----------|-------|-------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | 4.3 | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 93 | 42-126 | | | |

| | | | | | | | |
|--------------|------------------|-----|-------|-------|----------|----------|-----------|
| Method Blank | 099-12-279-1,083 | N/A | Solid | GC 18 | 09/11/07 | 09/11/07 | 070911B01 |
|--------------|------------------|-----|-------|-------|----------|----------|-----------|

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

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

Analytical Report

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

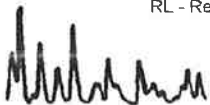
Date Received: 09/11/07
Work Order No: 07-09-0533
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

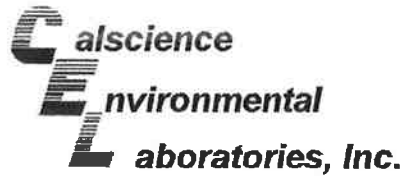
Project: ExxonMobil 7-0234 / 247603X

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID | | |
|----------------------|-------------------|-----------------------|-----------|-------------|-------------------------------|----------------|-----------------------|-----------|-------------|
| S-10-B13 | 07-09-0533-1 | 09/10/07 | Solid | GC/MS JJ | 09/13/07 | 09/13/07 | 070913L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 111 | 73-139 | | | 1,2-Dichloroethane-d4 | 107 | 73-145 | | |
| Toluene-d8 | 100 | 90-108 | | | 1,4-Bromofluorobenzene | 93 | 71-113 | | |
| S-14:5-B13 | 07-09-0533-2 | 09/10/07 | Solid | GC/MS JJ | 09/13/07 | 09/13/07 | 070913L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 113 | 73-139 | | | 1,2-Dichloroethane-d4 | 105 | 73-145 | | |
| Toluene-d8 | 98 | 90-108 | | | 1,4-Bromofluorobenzene | 94 | 71-113 | | |
| S-20-B13 | 07-09-0533-3 | 09/10/07 | Solid | GC/MS JJ | 09/13/07 | 09/13/07 | 070913L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 114 | 73-139 | | | 1,2-Dichloroethane-d4 | 108 | 73-145 | | |
| Toluene-d8 | 101 | 90-108 | | | 1,4-Bromofluorobenzene | 94 | 71-113 | | |

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





Analytical Report



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

Date Received: 09/11/07
Work Order No: 07-09-0533
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234 / 247603X

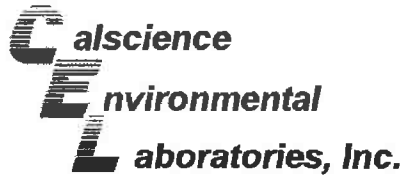
Page 2 of 2

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| Method Blank | 099-10-005-14,753 | N/A | Solid | GC/MS JJ | 09/13/07 | 09/13/07 | 070913L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 111 | 73-139 | | | 1,2-Dichloroethane-d4 | 100 | 73-145 | | |
| Toluene-d8 | 100 | 90-108 | | | 1,4-Bromofluorobenzene | 92 | 71-113 | | |

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

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



Quality Control - Spike/Spike Duplicate



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

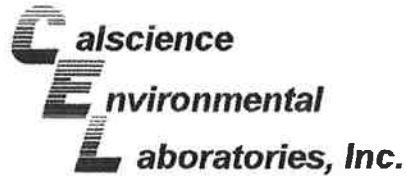
Date Received: 09/11/07
 Work Order No: 07-09-0533
 Preparation: EPA 5030B
 Method: EPA 8015B (M)

Project ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| 07-09-0434-9 | Solid | GC 18 | 09/11/07 | 09/11/07 | 070911S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|---------|----------|---------|-----|--------|------------|
| TPH as Gasoline | 89 | 97 | 48-114 | 8 | 0-23 | |

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

Date Received: 09/11/07
Work Order No: 07-09-0533
Preparation: EPA 5030B
Method: EPA 8260B

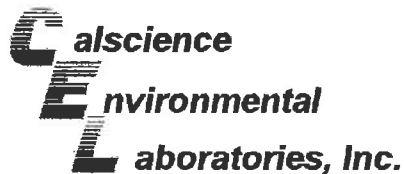
Project ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| 07-09-0391-19 | Solid | GC/MS JJ | 09/13/07 | 09/13/07 | 070913S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene | 94 | 98 | 79-115 | 4 | 0-13 | |
| Carbon Tetrachloride | 108 | 109 | 55-139 | 2 | 0-15 | |
| Chlorobenzene | 93 | 96 | 79-115 | 3 | 0-17 | |
| 1,2-Dibromoethane | 95 | 101 | 70-130 | 6 | 0-30 | |
| 1,2-Dichlorobenzene | 89 | 93 | 63-123 | 5 | 0-23 | |
| 1,1-Dichloroethene | 80 | 84 | 69-123 | 4 | 0-16 | |
| Ethylbenzene | 92 | 96 | 70-130 | 4 | 0-30 | |
| Toluene | 97 | 101 | 79-115 | 4 | 0-15 | |
| Trichloroethene | 98 | 101 | 66-144 | 3 | 0-14 | |
| Vinyl Chloride | 96 | 97 | 60-126 | 1 | 0-14 | |
| Methyl-t-Butyl Ether (MTBE) | 94 | 100 | 68-128 | 6 | 0-14 | |
| Tert-Butyl Alcohol (TBA) | 104 | 118 | 44-134 | 13 | 0-37 | |
| Diisopropyl Ether (DIPE) | 102 | 107 | 75-123 | 5 | 0-12 | |
| Ethyl-t-Butyl Ether (ETBE) | 105 | 112 | 75-117 | 6 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 101 | 105 | 79-115 | 4 | 0-12 | |
| Ethanol | 108 | 115 | 42-138 | 7 | 0-28 | |

RPD - Relative Percent Difference, CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 07-09-0533
Preparation: EPA 5030B
Method: EPA 8015B (M)

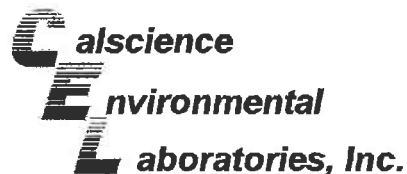
Project: ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-279-1,083 | Solid | GC 18 | 09/11/07 | 09/11/07 | 070911B01 |

| Parameter | <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 | 112 | 114 | 70-124 | 2 | 0-18 | |

RPD - Relative Percent Difference, CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 07-09-0533
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-10-005-14;763 | Solid | GC/MS JJ | 09/13/07 | 09/13/07 | 070913L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene | 101 | 99 | 84-114 | 2 | 0-7 | |
| Carbon Tetrachloride | 117 | 113 | 66-132 | 4 | 0-12 | |
| Chlorobenzene | 100 | 99 | 87-111 | 1 | 0-7 | |
| 1,2-Dibromoethane | 102 | 101 | 80-120 | 2 | 0-20 | |
| 1,2-Dichlorobenzene | 96 | 95 | 79-115 | 2 | 0-8 | |
| 1,1-Dichloroethene | 91 | 86 | 73-121 | 6 | 0-12 | |
| Ethylbenzene | 100 | 100 | 80-120 | 1 | 0-20 | |
| Toluene | 105 | 103 | 78-114 | 2 | 0-7 | |
| Trichloroethene | 102 | 100 | 84-114 | 3 | 0-8 | |
| Vinyl Chloride | 92 | 89 | 63-129 | 3 | 0-15 | |
| Methyl-t-Butyl Ether (MTBE) | 100 | 100 | 77-125 | 0 | 0-11 | |
| Tert-Butyl Alcohol (TBA) | 127 | 125 | 47-137 | 2 | 0-27 | |
| Diisopropyl Ether (DIPE) | 107 | 108 | 76-130 | 0 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 111 | 111 | 76-124 | 0 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 105 | 106 | 82-118 | 1 | 0-11 | |
| Ethanol | 120 | 123 | 59-131 | 3 | 0-21 | |

RPD - Relative Percent Difference , CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501

Work Order Number: 07-09-0533

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



Cecile de Guia

From: Rebekah Westrup [rwestrup@ERI-US.com]
Sent: Friday, September 28, 2007 2:48 PM
To: Cecile de Guia
Subject: Wrong Units

Cecile:

Paula said that you two have already touched based regarding units for soil samples and how we need everything reported in mg/kg. The following labs were reported in ug/kg for BTEX and 7 oxys

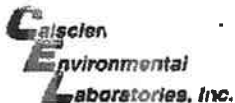
07-09-0533
07-09-0647
07-09-0788
07-09-0209

I think they were generated prior to your conversation with Paula. Please correct the units and re-issue the reports and their corresponding EDf files.

Thanks



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



7440 LINCOLN WAY
 GARDEN GROVE, CA 92841-1432
 TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE: 9-10-07

PAGE: 1 OF 1

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------|-------------------------------|----------------------------|--|--------------------------|--------------------------------|---------------|---------------------|--------------------------|------------------|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| LABORATORY CLIENT: Exxon Mobil Refining & Supply - Global Remediation | | | | CLIENT PROJECT NAME / NUMBER: 247603X / 7-0234 | | P.O. NO.: | | | | | | | | | | | | | | | | | |
| ADDRESS: c/o Environmental Resolutions, Inc. 601 North McDowell Blvd. Petaluma, California 94954 | | | | PROJECT CONTACT: Paula Sime/ERI | | QUOTE NO.: | | | | | | | | | | | | | | | | | |
| TEL: (707) 766-2000 | | FAX: (707) 789-0414 | | E-MAIL norcallabs@erf-us.com | | LAB USE ONLY 09-0533 | | | | | | | | | | | | | | | | | |
| TURNAROUND TIME <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS | | | | REQUESTED ANALYSIS | | | | | | | | | | | | | | | | | | | |
| SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) Send EDF report / Global ID: T06019757161 | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS Use Silica Gel Cleanup for all TPHd analyses. Set TBA reporting limit at or below 12 ug/L. Oxygenates: MTBE, ETBE, TAME, DIPE, TBA Lead Scavengers: 1,2-DCA, EDB | | | | TPHd by 8015B | TPHd by 8015B | Methanol by 8015B | BTEX by 8260B | Oxygenates by 8260B | Lead Scavengers by 8260B | Ethanol by 8260B | Total Lead by 8010B | | | | | | | | | | | | |
| LAB USE ONLY | SAMPLE ID | LOCATION/ DESCRIPTION | SAMPLING DATE TIME | | Matrix | #Cont | | | | | | | | | | | | | | | | | |
| | 1 S-10 - B13 | B13 | 9/10/07 | 8:55 | SOIL | 1 | X | X | X | X | | | | | | | | | | | | | |
| | 2 S-14.5 - B13 | ↓ | ↓ | 9:05 | ↓ | 1 | X | X | X | X | | | | | | | | | | | | | |
| | 3 S-20 - B13 | ↓ | ↓ | 10:00 | ↓ | 1 | X | X | X | X | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | Received by: (Signature) | | Date: | Time: | | | | | | | | | | | | | | | |
| | | | | | | | 9/10/07 | 13:10 | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | Received by: (Signature) | | Date: | Time: | | | | | | | | | | | | | | | |
| | | | | | | | 09-11-07 | 10:17 | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | Received by: (Signature) | | Date: | Time: | | | | | | | | | | | | | | | |



WORK ORDER #: 07 - 09 - 0533

Couler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Exxonmobil

DATE: 09.11.07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
- Chilled, cooler without temperature blank.
- Chilled and placed in cooler with wet ice.
- Ambient and placed in cooler with wet ice.
- Ambient temperature.
- °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- 3.1 °C Temperature blank.
- °C IR thermometer.
- Ambient temperature.

Initial: SF

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____

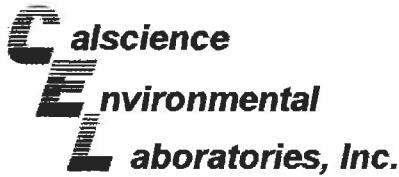
Not Present: _____
Initial: SF

SAMPLE CONDITION:

| | Yes | No | N/A |
|---|-----|----|-----|
| Chain-Of-Custody document(s) received with samples..... | / | | |
| Sampler's name indicated on COC..... | / | | |
| Sample container label(s) consistent with custody papers..... | / | | |
| Sample container(s) intact and good condition..... | / | | |
| Correct containers and volume for analyses requested..... | / | | |
| Proper preservation noted on sample label(s)..... | | | / |
| VOA vial(s) free of headspace..... | | | / |
| Tedlar bag(s) free of condensation..... | | | / |

Initial: SF

COMMENTS:



Supplemental Report 1

October 03, 2007

The original report has been revised/corrected.

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

Subject: **Calscience Work Order No.: 07-09-0647**
Client Reference: **ExxonMobil 7-0234 / 247603X**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/12/2007 and analyzed in accordance with the attached chain-of-custody.

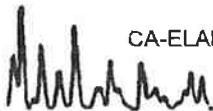
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows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

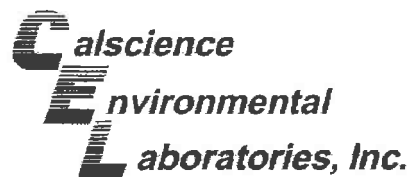
Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager





CASE NARRATIVE

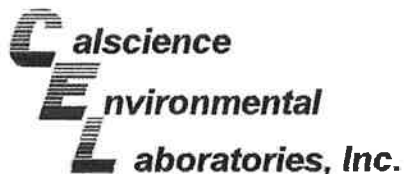
Calscience Work Order No.: 07-09-0647
Client Reference: ExxonMobil 7-0234

On September 28, 2007, Calscience Environmental Laboratories, Inc. received a request to convert the reporting units for 8260B soil samples to mg/kg for the above project.

The report has been amended to reflect the units change from ug/kg to mg/kg.

The email instruction from Rebekah Westrup is attached.

A handwritten signature in black ink, appearing to be 'M. Westrup', is located at the bottom left of the page.



Analytical Report



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

Date Received: 09/12/07
Work Order No: 07-09-0647
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-10-B11 | 07-09-0647-1 | 09/10/07 | Solid | GC 18 | 09/12/07 | 09/12/07 | 070912B01 |

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

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 90 | 42-126 | |

| | | | | | | | |
|------------|--------------|----------|-------|-------|----------|----------|-----------|
| S-13.5-B11 | 07-09-0647-2 | 09/10/07 | Solid | GC 18 | 09/12/07 | 09/12/07 | 070912B01 |
|------------|--------------|----------|-------|-------|----------|----------|-----------|

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

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 90 | 42-126 | |

| | | | | | | | |
|----------|--------------|----------|-------|-------|----------|----------|-----------|
| S-18-B11 | 07-09-0647-3 | 09/11/07 | Solid | GC 18 | 09/12/07 | 09/12/07 | 070912B01 |
|----------|--------------|----------|-------|-------|----------|----------|-----------|

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

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

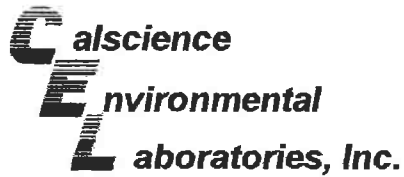
| | | | | | | | |
|----------|--------------|----------|-------|-------|----------|----------|-----------|
| S-20-B11 | 07-09-0647-4 | 09/11/07 | Solid | GC 18 | 09/12/07 | 09/12/07 | 070912B01 |
|----------|--------------|----------|-------|-------|----------|----------|-----------|

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

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

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers

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Analytical Report



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

Date Received: 09/12/07
Work Order No: 07-09-0647
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| Method Blank | 099-12-279-1,088 | N/A | Solid | GC 18 | 09/12/07 | 09/12/07 | 070912B01 |

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

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

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Analytical Report

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

Date Received: 09/12/07
 Work Order No: 07-09-0647
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: mg/kg

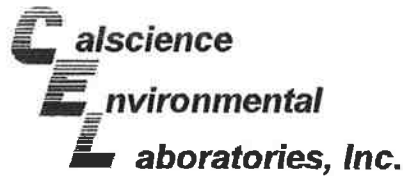
Project: ExxonMobil 7-0234 / 247603X

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID | | |
|----------------------|-------------------|-----------------------|-------------|-------------|-------------------------------|----------------|-----------------------|-------------|-------------|
| S-10-B11 | 07-09-0647-1 | 09/10/07 | Solid | GC/MS.W | 09/15/07 | 09/15/07 | 070915L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> | |
| Dibromofluoromethane | 105 | 73-139 | | | 1,2-Dichloroethane-d4 | 99 | 73-145 | | |
| Toluene-d8 | 94 | 90-108 | | | 1,4-Bromofluorobenzene | 91 | 71-113 | | |
| S-13.5-B11 | 07-09-0647-2 | 09/10/07 | Solid | GC/MS.W | 09/15/07 | 09/15/07 | 070915L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> | |
| Dibromofluoromethane | 98 | 73-139 | | | 1,2-Dichloroethane-d4 | 97 | 73-145 | | |
| Toluene-d8 | 96 | 90-108 | | | 1,4-Bromofluorobenzene | 92 | 71-113 | | |
| S-18-B11 | 07-09-0647-3 | 09/11/07 | Solid | GC/MS.W | 09/15/07 | 09/15/07 | 070915L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> | |
| Dibromofluoromethane | 102 | 73-139 | | | 1,2-Dichloroethane-d4 | 99 | 73-145 | | |
| Toluene-d8 | 96 | 90-108 | | | 1,4-Bromofluorobenzene | 89 | 71-113 | | |

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers





Analytical Report



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

Date Received: 09/12/07
Work Order No: 07-09-0647
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234 / 247603X

Page 2 of 2

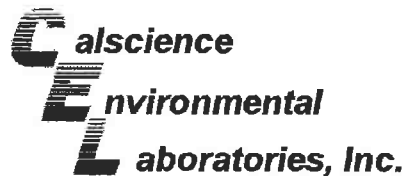
| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-20-B11 | 07-09-0647-4 | 09/11/07 | Solid | GC/MS W | 09/15/07 | 09/15/07 | 070915L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|---------|----------------|------|------|-------------------------------|---------|----------------|------|------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 1 | | | | | | |
| Surrogates: | REC (%) | Control Limits | Qual | | Surrogates: | REC (%) | Control Limits | Qual | |
| Dibromofluoromethane | 95 | 73-139 | | | 1,2-Dichloroethane-d4 | 90 | 73-145 | | |
| Toluene-d8 | 93 | 90-108 | | | 1,4-Bromofluorobenzene | 93 | 71-113 | | |

| Method Blank | 099-10-005-14,771 | N/A | Solid | GC/MS W | 09/15/07 | 09/15/07 | 070915L01 |
|--------------|-------------------|-----|-------|---------|----------|----------|-----------|
|--------------|-------------------|-----|-------|---------|----------|----------|-----------|

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

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



Quality Control - Spike/Spike Duplicate



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

Date Received: 09/12/07
Work Order No: 07-09-0647
Preparation: EPA 5030B
Method: EPA 8015B (M)

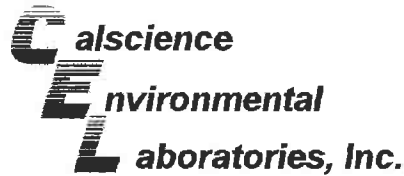
Project ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| 07-09-0623-1 | Solid | GC 18 | 09/12/07 | 09/12/07 | 070912S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|---------|----------|---------|-----|--------|------------|
| TPH as Gasoline | 95 | 96 | 48-114 | 1 | 0-23 | |

RPD - Relative Percent Difference, CL - Control Limit

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Quality Control - Spike/Spike Duplicate



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

Date Received: 09/12/07
Work Order No: 07-09-0647
Preparation: EPA 5030B
Method: EPA 8260B

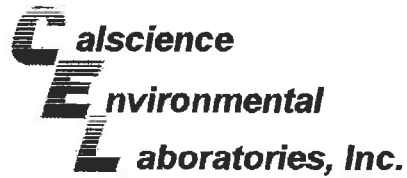
Project ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| S-20-B11 | Solid | GC/MS W | 09/15/07 | 09/15/07 | 070915S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene | 89 | 85 | 79-115 | 4 | 0-13 | |
| Carbon Tetrachloride | 81 | 75 | 55-139 | 8 | 0-15 | |
| Chlorobenzene | 99 | 93 | 79-115 | 6 | 0-17 | |
| 1,2-Dibromoethane | 98 | 94 | 70-130 | 5 | 0-30 | |
| 1,2-Dichlorobenzene | 97 | 91 | 63-123 | 6 | 0-23 | |
| 1,1-Dichloroethene | 89 | 80 | 69-123 | 10 | 0-16 | |
| Ethylbenzene | 104 | 100 | 70-130 | 4 | 0-30 | |
| Toluene | 92 | 88 | 79-115 | 4 | 0-15 | |
| Trichloroethene | 93 | 87 | 66-144 | 6 | 0-14 | |
| Vinyl Chloride | 92 | 86 | 60-126 | 7 | 0-14 | |
| Methyl-t-Butyl Ether (MTBE) | 77 | 73 | 68-128 | 6 | 0-14 | |
| Tert-Butyl Alcohol (TBA) | 101 | 89 | 44-134 | 13 | 0-37 | |
| Diisopropyl Ether (DIPE) | 86 | 82 | 75-123 | 5 | 0-12 | |
| Ethyl-t-Butyl Ether (ETBE) | 90 | 85 | 75-117 | 5 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 91 | 87 | 79-115 | 4 | 0-12 | |
| Ethanol | 82 | 84 | 42-138 | 2 | 0-28 | |

RPD - Relative Percent Difference, CL - Control Limit

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Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 07-09-0647
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-279-1,088 | Solid | GC 18 | 09/12/07 | 09/12/07 | 070912B01 |

| Parameter | <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 | 115 | 111 | 70-124 | 3 | 0-18 | |

RPD - Relative Percent Difference, CL - Control Limit

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Calscience
Environmental Laboratories, Inc. Quality Control - Laboratory Control Sample



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

Date Received: N/A
 Work Order No: 07-09-0647
 Preparation: EPA 5030B
 Method: EPA 8260B

Project: ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Analyzed | Lab File ID | LCS Batch Number |
|---------------------------|--------|------------|---------------|-------------|------------------|
| 099-10-005-14,771 | Solid | GC/MS W | 09/15/07 | 15SEP005.rr | 070915L01 |

| Parameter | Conc Added | Conc Recovered | LCS %Rec | %Rec CL | Qualifiers |
|-------------------------------|------------|----------------|----------|---------|------------|
| Benzene | 250 | 220 | 88 | 84-114 | |
| Carbon Tetrachloride | 250 | 200 | 80 | 66-132 | |
| Chlorobenzene | 250 | 250 | 100 | 87-111 | |
| 1,2-Dibromoethane | 250 | 246 | 98 | 80-120 | |
| 1,2-Dichlorobenzene | 250 | 259 | 104 | 79-115 | |
| 1,1-Dichloroethene | 250 | 222 | 89 | 73-121 | |
| Ethylbenzene | 250 | 263 | 105 | 80-120 | |
| Toluene | 250 | 232 | 93 | 78-114 | |
| Trichloroethene | 250 | 227 | 91 | 84-114 | |
| Vinyl Chloride | 250 | 214 | 86 | 63-129 | |
| Methyl-t-Butyl Ether (MTBE) | 250 | 201 | 81 | 77-125 | |
| Tert-Butyl Alcohol (TBA) | 1250 | 1170 | 93 | 47-137 | |
| Diisopropyl Ether (DIPE) | 250 | 222 | 89 | 76-130 | |
| Ethyl-t-Butyl Ether (ETBE) | 250 | 229 | 92 | 76-124 | |
| Tert-Amyl-Methyl Ether (TAME) | 250 | 236 | 94 | 82-118 | |
| Ethanol | 2500 | 2110 | 85 | 59-131 | |

RPD - Relative Percent Difference, CL - Control Limit

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Work Order Number: 07-09-0647

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



| LABORATORY CLIENT: Exxon Mobil Refining & Supply - Global Remediation | | | | | CLIENT PROJECT NAME / NUMBER: 247603X / 7-0234 | | | | | P.O. NO.: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|-----------------------|--------------------------------------|-------------------|---|---------------------|--------------------------|------------------|---------------------|---|---------------------|--------------------------|------------------|---------------------|--|--|--|--|--|--------|-------|---------------|---------------|-------------------|---------------|---------------------|--------------------------|------------------|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| ADDRESS: c/o Environmental Resolutions, Inc. 601 North McDowell Blvd. Petaluma, California 94954 | | | | | PROJECT CONTACT: Paula Sime/ERI | | | | | QUOTE NO.: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEL: (707) 766-2000 | | | FAX: (707) 789-0414 | | E-MAIL: norcallabs@eri-us.com | | | | | LAB USE ONLY <div style="font-size: 2em; font-weight: bold; border: 2px solid black; padding: 5px; display: inline-block;"> 090647 </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TURNAROUND TIME <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS | | | | | | | | | | REQUESTED ANALYSIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) Send EDF report / Global ID: T06019757161 | | | | | | | | | | <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Matrix</th> <th rowspan="2">#Cont</th> <th rowspan="2">TPhd by 801BB</th> <th rowspan="2">TPHg by 801BB</th> <th rowspan="2">Methanol by 801BB</th> <th rowspan="2">BTEX by 8260B</th> <th rowspan="2">Oxygenates by 8260B</th> <th rowspan="2">Lead Scavengers by 8260B</th> <th rowspan="2">Ethanol by 8260B</th> <th rowspan="2">Total Lead by 6010B</th> <th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th> </tr> <tr> <th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th> </tr> </thead> <tbody> <tr> <td></td><td>1</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td>1</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td>1</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td>1</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | Matrix | #Cont | TPhd by 801BB | TPHg by 801BB | Methanol by 801BB | BTEX by 8260B | Oxygenates by 8260B | Lead Scavengers by 8260B | Ethanol by 8260B | Total Lead by 6010B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | X | X | X | X | X | X | | | | | | | | | | | | | | | 1 | X | X | X | X | X | X | | | | | | | | | | | | | | | 1 | X | X | X | X | X | X | | | | | | | | | | | | | | | 1 | X | X | X | X | X | X | | | | | | | | | | | | | |
| Matrix | #Cont | TPhd by 801BB | TPHg by 801BB | Methanol by 801BB | BTEX by 8260B | Oxygenates by 8260B | Lead Scavengers by 8260B | Ethanol by 8260B | Total Lead by 6010B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 1 | X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS Use Silica Gel Cleanup for all TPHd analyses. Set TBA reporting limit at or below 12 ug/L. Oxygenates: MTBE, ETBE, TAME, DIPE, TBA Lead Scavengers: 1,2-DCA, EDB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAB USE ONLY | SAMPLE ID | LOCATION/ DESCRIPTION | SAMPLING | | Matrix | #Cont | TPhd by 801BB | TPHg by 801BB | Methanol by 801BB | BTEX by 8260B | Oxygenates by 8260B | Lead Scavengers by 8260B | Ethanol by 8260B | Total Lead by 6010B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | S-10-B11 | B11 | 9-10-07 | 15:05 | SOIL | 1 | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | S-135-B11 | B11 | 9-10-07 | 15:20 | | | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | S-18-B11 | B11 | 9-11-07 | 9:20 | | | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | S-20-B11 | B11 | 9-11-07 | 9:40 | | | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Relinquished by: (Signature) *Heidi*

Received by: (Signature) *[Signature]*

Date: **9/11/07** Time: **1145**

Relinquished by: (Signature) *[Signature]* to GSD

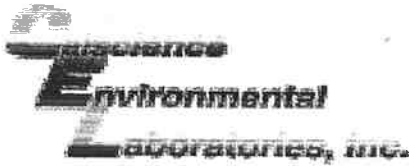
Received by: (Signature) *[Signature]* CA

Date: **9/12/07** Time: **1030**

Relinquished by: (Signature)

Received by: (Signature)

Date: _____ Time: _____



WORK ORDER #: 07 - 09 - 0647

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: ERI

DATE: 09/12/07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
- Chilled, cooler without temperature blank.
- Chilled and placed in cooler with wet ice.
- Ambient and placed in cooler with wet ice.
- Ambient temperature.
- °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- °C Temperature blank.
- 3.1 °C IR thermometer.
- Ambient temperature.

Initial: NC

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present:

Initial: NC

SAMPLE CONDITION:

| | Yes | No | N/A |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| Chain-Of-Custody document(s) received with samples..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sampler's name indicated on COC..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sample container label(s) consistent with custody papers..... | <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"/> |
| Correct containers and volume for analyses requested..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Proper preservation noted on sample label(s)..... | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| VOA vial(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"/> |

Initial: NC

COMMENTS:



November 14, 2007

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



Subject: **Calscience Work Order No.: 07-11-0905**
Client Reference: ExxonMobil 7-0234

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/13/2007 and analyzed in accordance with the attached chain-of-custody.

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

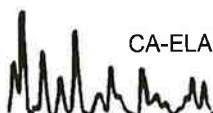
Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

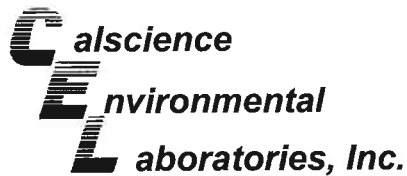
If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in cursive script that reads "Cecile deGuia".

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager





Analytical Report



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

Date Received: 11/13/07
Work Order No: 07-11-0905
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234

Page 1 of 3

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|---------------------|-----------------|--------------|--------------|-----------------|-----------------|------------------|
| S-25-B13 | 07-11-0905-1 | 11/12/07 | Solid | GC 18 | 11/13/07 | 11/13/07 | 071113B01 |

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 73 | 42-126 | | | |

| | | | | | | | |
|-----------------|---------------------|-----------------|--------------|--------------|-----------------|-----------------|------------------|
| S-30-B13 | 07-11-0905-2 | 11/12/07 | Solid | GC 18 | 11/13/07 | 11/13/07 | 071113B01 |
|-----------------|---------------------|-----------------|--------------|--------------|-----------------|-----------------|------------------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 60 | 42-126 | | | |

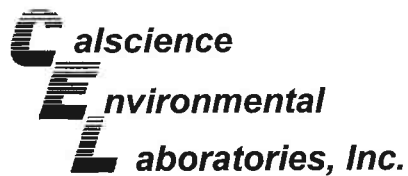
| | | | | | | | |
|-----------------|---------------------|-----------------|--------------|--------------|-----------------|-----------------|------------------|
| S-35-B13 | 07-11-0905-3 | 11/12/07 | Solid | GC 18 | 11/13/07 | 11/13/07 | 071113B01 |
|-----------------|---------------------|-----------------|--------------|--------------|-----------------|-----------------|------------------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 99 | 42-126 | | | |

| | | | | | | | |
|-----------------|---------------------|-----------------|--------------|--------------|-----------------|-----------------|------------------|
| S-10-B18 | 07-11-0905-4 | 11/12/07 | Solid | GC 18 | 11/13/07 | 11/13/07 | 071113B01 |
|-----------------|---------------------|-----------------|--------------|--------------|-----------------|-----------------|------------------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 102 | 42-126 | | | |

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



Analytical Report



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

Date Received: 11/13/07
Work Order No: 07-11-0905
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234

Page 2 of 3

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|---------------------|-----------------|--------------|--------------|-----------------|-----------------|------------------|
| S-15-B18 | 07-11-0905-5 | 11/12/07 | Solid | GC 18 | 11/13/07 | 11/13/07 | 071113B01 |

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

| | | | | | | | |
|-----------------|---------------------|-----------------|--------------|--------------|-----------------|-----------------|------------------|
| S-20-B18 | 07-11-0905-6 | 11/12/07 | Solid | GC 18 | 11/13/07 | 11/13/07 | 071113B01 |
|-----------------|---------------------|-----------------|--------------|--------------|-----------------|-----------------|------------------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 101 | 42-126 | | | |

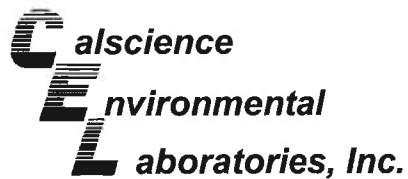
| | | | | | | | |
|-----------------|---------------------|-----------------|--------------|--------------|-----------------|-----------------|------------------|
| S-25-B18 | 07-11-0905-7 | 11/12/07 | Solid | GC 18 | 11/13/07 | 11/14/07 | 071113B01 |
|-----------------|---------------------|-----------------|--------------|--------------|-----------------|-----------------|------------------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 101 | 42-126 | | | |

| | | | | | | | |
|-----------------|---------------------|-----------------|--------------|--------------|-----------------|-----------------|------------------|
| S-30-B18 | 07-11-0905-8 | 11/12/07 | Solid | GC 18 | 11/13/07 | 11/14/07 | 071113B01 |
|-----------------|---------------------|-----------------|--------------|--------------|-----------------|-----------------|------------------|

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

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



Analytical Report



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

Date Received: 11/13/07
Work Order No: 07-11-0905
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234

Page 3 of 3

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-35-B18 | 07-11-0905-9 | 11/12/07 | Solid | GC 18 | 11/13/07 | 11/14/07 | 071113B01 |

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | 24 | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 122 | 42-126 | | | |

| | | | | | | | |
|---------------------|-------------------------|------------|--------------|--------------|-----------------|-----------------|------------------|
| Method Blank | 099-12-279-1,302 | N/A | Solid | GC 18 | 11/13/07 | 11/13/07 | 071113B01 |
|---------------------|-------------------------|------------|--------------|--------------|-----------------|-----------------|------------------|

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

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



Analytical Report



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

Date Received: 11/13/07
Work Order No: 07-11-0905
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|---------------------|-----------------|--------------|----------------|-----------------|-----------------|------------------|
| S-25-B13 | 07-11-0905-1 | 11/12/07 | Solid | GC/MS Z | 11/13/07 | 11/13/07 | 071113L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|---------|----------------|----|------|-------------------------------|---------|----------------|----|------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 1 | | | | | | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 110 | 73-139 | | | 1,2-Dichloroethane-d4 | 121 | 73-145 | | |
| Toluene-d8 | 97 | 90-108 | | | 1,4-Bromofluorobenzene | 95 | 71-113 | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|---------------------|-----------------|--------------|----------------|-----------------|-----------------|------------------|
| S-30-B13 | 07-11-0905-2 | 11/12/07 | Solid | GC/MS Z | 11/13/07 | 11/13/07 | 071113L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|---------|----------------|----|------|-------------------------------|---------|----------------|----|------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 1 | | | | | | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 109 | 73-139 | | | 1,2-Dichloroethane-d4 | 122 | 73-145 | | |
| Toluene-d8 | 97 | 90-108 | | | 1,4-Bromofluorobenzene | 97 | 71-113 | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|---------------------|-----------------|--------------|----------------|-----------------|-----------------|------------------|
| S-35-B13 | 07-11-0905-3 | 11/12/07 | Solid | GC/MS Z | 11/13/07 | 11/13/07 | 071113L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|---------|----------------|----|------|-------------------------------|---------|----------------|----|------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 1 | | | | | | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 108 | 73-139 | | | 1,2-Dichloroethane-d4 | 123 | 73-145 | | |
| Toluene-d8 | 98 | 90-108 | | | 1,4-Bromofluorobenzene | 96 | 71-113 | | |

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers

Analytical Report

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

Date Received: 11/13/07
Work Order No: 07-11-0905
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234

Page 2 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|---------------------|-----------------|--------------|----------------|-----------------|-----------------|------------------|
| S-10-B18 | 07-11-0905-4 | 11/12/07 | Solid | GC/MS Z | 11/13/07 | 11/13/07 | 071113L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 109 | 73-139 | | | 1,2-Dichloroethane-d4 | 119 | 73-145 | | |
| Toluene-d8 | 98 | 90-108 | | | 1,4-Bromofluorobenzene | 95 | 71-113 | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|---------------------|-----------------|--------------|----------------|-----------------|-----------------|------------------|
| S-15-B18 | 07-11-0905-5 | 11/12/07 | Solid | GC/MS Z | 11/13/07 | 11/13/07 | 071113L01 |

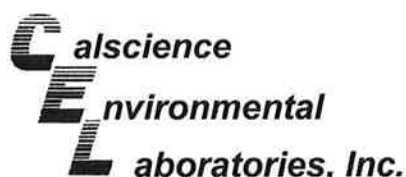
| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | 0.0051 | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 110 | 73-139 | | | 1,2-Dichloroethane-d4 | 121 | 73-145 | | |
| Toluene-d8 | 99 | 90-108 | | | 1,4-Bromofluorobenzene | 94 | 71-113 | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|---------------------|-----------------|--------------|----------------|-----------------|-----------------|------------------|
| S-20-B18 | 07-11-0905-6 | 11/12/07 | Solid | GC/MS W | 11/13/07 | 11/14/07 | 071113L03 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | 0.019 | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 105 | 73-139 | | | 1,2-Dichloroethane-d4 | 105 | 73-145 | | |
| Toluene-d8 | 99 | 90-108 | | | 1,4-Bromofluorobenzene | 96 | 71-113 | | |

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers





Analytical Report



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

Date Received: 11/13/07
Work Order No: 07-11-0905
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-25-B18 | 07-11-0905-7 | 11/12/07 | Solid | GC/MS Z | 11/13/07 | 11/13/07 | 071113L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|---------|----------------|----|------|-------------------------------|---------|----------------|----|------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | 0.18 | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 1 | | | | | | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 111 | 73-139 | | | 1,2-Dichloroethane-d4 | 124 | 73-145 | | |
| Toluene-d8 | 98 | 90-108 | | | 1,4-Bromofluorobenzene | 97 | 71-113 | | |

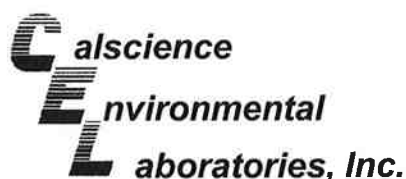
| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-30-B18 | 07-11-0905-8 | 11/12/07 | Solid | GC/MS Z | 11/13/07 | 11/13/07 | 071113L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|---------|----------------|----|------|-------------------------------|---------|----------------|----|------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | 0.54 | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 1 | | | | | | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 107 | 73-139 | | | 1,2-Dichloroethane-d4 | 120 | 73-145 | | |
| Toluene-d8 | 98 | 90-108 | | | 1,4-Bromofluorobenzene | 98 | 71-113 | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-35-B18 | 07-11-0905-9 | 11/12/07 | Solid | GC/MS W | 11/13/07 | 11/14/07 | 071113L03 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|---------|----------------|----|------|-------------------------------|---------|----------------|----|------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | 0.53 | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | 0.70 | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 1 | | | | | | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 102 | 73-139 | | | 1,2-Dichloroethane-d4 | 105 | 73-145 | | |
| Toluene-d8 | 99 | 90-108 | | | 1,4-Bromofluorobenzene | 94 | 71-113 | | |

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



Analytical Report



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

Date Received: 11/13/07
Work Order No: 07-11-0905
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234

Page 4 of 4

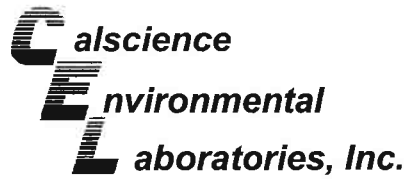
| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|--------------------------|----------------|--------------|----------------|-----------------|-----------------|------------------|
| Method Blank | 099-10-005-15,079 | N/A | Solid | GC/MS Z | 11/13/07 | 11/13/07 | 071113L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 1 | | | | | | |
| Surrogates: | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> |
| Dibromofluoromethane | 109 | 73-139 | | | 1,2-Dichloroethane-d4 | 115 | 73-145 | | |
| Toluene-d8 | 97 | 90-108 | | | 1,4-Bromofluorobenzene | 95 | 71-113 | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|--------------------------|----------------|--------------|----------------|-----------------|-----------------|------------------|
| Method Blank | 099-10-005-15,083 | N/A | Solid | GC/MS W | 11/13/07 | 11/14/07 | 071113L03 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 1 | | | | | | |
| Surrogates: | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> |
| Dibromofluoromethane | 102 | 73-139 | | | 1,2-Dichloroethane-d4 | 105 | 73-145 | | |
| Toluene-d8 | 99 | 90-108 | | | 1,4-Bromofluorobenzene | 95 | 71-113 | | |

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



Quality Control - Spike/Spike Duplicate



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

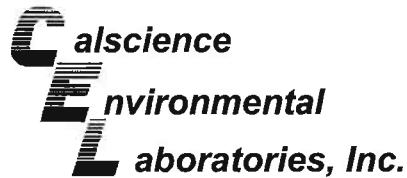
Date Received: 11/13/07
Work Order No: 07-11-0905
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| 07-11-0876-1 | Solid | GC 18 | 11/13/07 | 11/13/07 | 071113S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|---------|----------|---------|-----|--------|------------|
| TPH as Gasoline | 91 | 86 | 48-114 | 6 | 0-23 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

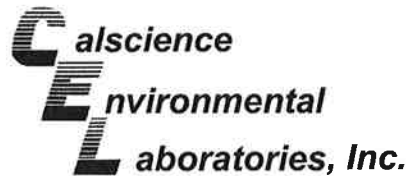
Date Received: 11/13/07
Work Order No: 07-11-0905
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------------|----------------|-----------------|-----------------|---------------------|
| S-25-B13 | Solid | GC/MS Z | 11/13/07 | 11/13/07 | 071113S01 |

| <u>Parameter</u> | <u>MS %REC</u> | <u>MSD %REC</u> | <u>%REC CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|-------------------------------|----------------|-----------------|----------------|------------|---------------|-------------------|
| Benzene | 106 | 107 | 79-115 | 1 | 0-13 | |
| Carbon Tetrachloride | 112 | 115 | 55-139 | 2 | 0-15 | |
| Chlorobenzene | 106 | 108 | 79-115 | 1 | 0-17 | |
| 1,2-Dibromoethane | 106 | 106 | 70-130 | 0 | 0-30 | |
| 1,2-Dichlorobenzene | 98 | 99 | 63-123 | 1 | 0-23 | |
| 1,1-Dichloroethene | 113 | 113 | 69-123 | 1 | 0-16 | |
| Ethylbenzene | 112 | 111 | 70-130 | 1 | 0-30 | |
| Toluene | 107 | 108 | 79-115 | 1 | 0-15 | |
| Trichloroethene | 110 | 108 | 66-144 | 1 | 0-14 | |
| Vinyl Chloride | 94 | 102 | 60-126 | 8 | 0-14 | |
| Methyl-t-Butyl Ether (MTBE) | 94 | 98 | 68-128 | 4 | 0-14 | |
| Tert-Butyl Alcohol (TBA) | 105 | 110 | 44-134 | 4 | 0-37 | |
| Diisopropyl Ether (DIPE) | 93 | 94 | 75-123 | 2 | 0-12 | |
| Ethyl-t-Butyl Ether (ETBE) | 91 | 95 | 75-117 | 4 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 96 | 99 | 79-115 | 3 | 0-12 | |
| Ethanol | 110 | 114 | 42-138 | 4 | 0-28 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

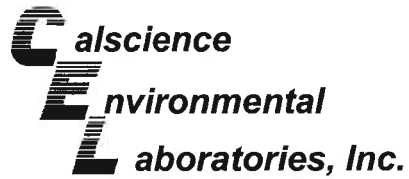
Date Received: 11/13/07
Work Order No: 07-11-0905
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| 07-11-0774-29 | Solid | GC/MS W | 11/13/07 | 11/14/07 | 071113S02 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene | 100 | 96 | 79-115 | 4 | 0-13 | |
| Carbon Tetrachloride | 98 | 100 | 55-139 | 2 | 0-15 | |
| Chlorobenzene | 98 | 98 | 79-115 | 1 | 0-17 | |
| 1,2-Dibromoethane | 100 | 99 | 70-130 | 1 | 0-30 | |
| 1,2-Dichlorobenzene | 94 | 94 | 63-123 | 0 | 0-23 | |
| 1,1-Dichloroethene | 99 | 99 | 69-123 | 0 | 0-16 | |
| Ethylbenzene | 98 | 97 | 70-130 | 0 | 0-30 | |
| Toluene | 98 | 96 | 79-115 | 2 | 0-15 | |
| Trichloroethene | 113 | 106 | 66-144 | 7 | 0-14 | |
| Vinyl Chloride | 88 | 86 | 60-126 | 2 | 0-14 | |
| Methyl-t-Butyl Ether (MTBE) | 81 | 77 | 68-128 | 6 | 0-14 | |
| Tert-Butyl Alcohol (TBA) | 91 | 94 | 44-134 | 3 | 0-37 | |
| Diisopropyl Ether (DIPE) | 93 | 93 | 75-123 | 0 | 0-12 | |
| Ethyl-t-Butyl Ether (ETBE) | 90 | 90 | 75-117 | 0 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 96 | 92 | 79-115 | 4 | 0-12 | |
| Ethanol | 102 | 99 | 42-138 | 3 | 0-28 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

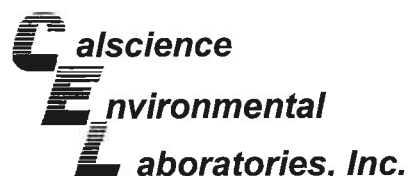
Date Received: N/A
Work Order No: 07-11-0905
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-279-1,302 | Solid | GC 18 | 11/13/07 | 11/13/07 | 071113B01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|----------|-----------|---------|-----|--------|------------|
| TPH as Gasoline | 101 | 101 | 70-124 | 1 | 0-18 | |

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - LCS/LCS Duplicate



Environmental Resolutions, Inc.
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Petaluma, CA 94954-2312

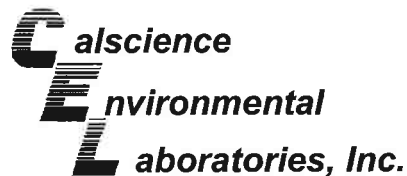
Date Received: N/A
Work Order No: 07-11-0905
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-10-005-15,079 | Solid | GC/MS Z | 11/13/07 | 11/13/07 | 071113L01 |

| <u>Parameter</u> | <u>LCS %REC</u> | <u>LCSD %REC</u> | <u>%REC CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|-------------------------------|-----------------|------------------|----------------|------------|---------------|-------------------|
| Benzene | 104 | 103 | 84-114 | 1 | 0-7 | |
| Carbon Tetrachloride | 113 | 113 | 66-132 | 0 | 0-12 | |
| Chlorobenzene | 106 | 104 | 87-111 | 2 | 0-7 | |
| 1,2-Dibromoethane | 106 | 103 | 80-120 | 3 | 0-20 | |
| 1,2-Dichlorobenzene | 98 | 98 | 79-115 | 0 | 0-8 | |
| 1,1-Dichloroethene | 110 | 110 | 73-121 | 0 | 0-12 | |
| Ethylbenzene | 111 | 109 | 80-120 | 2 | 0-20 | |
| Toluene | 107 | 105 | 78-114 | 2 | 0-7 | |
| Trichloroethene | 109 | 107 | 84-114 | 2 | 0-8 | |
| Vinyl Chloride | 100 | 96 | 63-129 | 4 | 0-15 | |
| Methyl-t-Butyl Ether (MTBE) | 92 | 89 | 77-125 | 3 | 0-11 | |
| Tert-Butyl Alcohol (TBA) | 110 | 105 | 47-137 | 4 | 0-27 | |
| Diisopropyl Ether (DIPE) | 91 | 90 | 76-130 | 1 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 91 | 90 | 76-124 | 1 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 94 | 92 | 82-118 | 3 | 0-11 | |
| Ethanol | 109 | 102 | 59-131 | 7 | 0-21 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Environmental Resolutions, Inc.
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Petaluma, CA 94954-2312

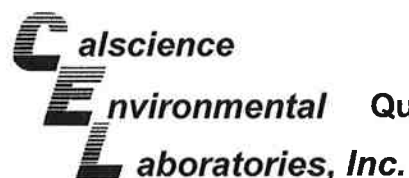
Date Received: N/A
Work Order No: 07-11-0905
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-10-005-15,083 | Solid | GC/MS W | 11/13/07 | 11/14/07 | 071113L03 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene | 98 | 99 | 84-114 | 0 | 0-7 | |
| Carbon Tetrachloride | 100 | 100 | 66-132 | 0 | 0-12 | |
| Chlorobenzene | 101 | 100 | 87-111 | 1 | 0-7 | |
| 1,2-Dibromoethane | 105 | 104 | 80-120 | 1 | 0-20 | |
| 1,2-Dichlorobenzene | 99 | 99 | 79-115 | 1 | 0-8 | |
| 1,1-Dichloroethene | 98 | 100 | 73-121 | 2 | 0-12 | |
| Ethylbenzene | 99 | 99 | 80-120 | 1 | 0-20 | |
| Toluene | 97 | 100 | 78-114 | 3 | 0-7 | |
| Trichloroethene | 98 | 101 | 84-114 | 2 | 0-8 | |
| Vinyl Chloride | 86 | 89 | 63-129 | 3 | 0-15 | |
| Methyl-t-Butyl Ether (MTBE) | 78 | 75 | 77-125 | 5 | 0-11 | X |
| Tert-Butyl Alcohol (TBA) | 105 | 104 | 47-137 | 1 | 0-27 | |
| Diisopropyl Ether (DIPE) | 97 | 98 | 76-130 | 1 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 92 | 92 | 76-124 | 1 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 98 | 98 | 82-118 | 1 | 0-11 | |
| Ethanol | 113 | 123 | 59-131 | 8 | 0-21 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Laboratory Control Sample



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

Date Received: N/A
Work Order No: 07-11-0905
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Analyzed | Lab File ID | LCS Batch Number |
|---------------------------|--------|------------|---------------|-------------|------------------|
|---------------------------|--------|------------|---------------|-------------|------------------|

| | | | | | |
|-------------------|-------|---------|----------|-------------|-----------|
| 099-10-005-15,083 | Solid | GC/MS W | 11/14/07 | 13NOV030.rr | 071113L03 |
|-------------------|-------|---------|----------|-------------|-----------|

| Parameter | Conc Added | Conc Recovered | LCS %Rec | %Rec CL | Qualifiers |
|-------------------------------|------------|----------------|----------|---------|------------|
| Benzene | 250 | 246 | 98 | 84-114 | |
| Carbon Tetrachloride | 250 | 250 | 100 | 66-132 | |
| Chlorobenzene | 250 | 252 | 101 | 87-111 | |
| 1,2-Dibromoethane | 250 | 261 | 105 | 80-120 | |
| 1,2-Dichlorobenzene | 250 | 247 | 99 | 79-115 | |
| 1,1-Dichloroethene | 250 | 245 | 98 | 73-121 | |
| Ethylbenzene | 250 | 247 | 99 | 80-120 | |
| Toluene | 250 | 243 | 97 | 78-114 | |
| Trichloroethene | 250 | 246 | 98 | 84-114 | |
| Vinyl Chloride | 250 | 215 | 86 | 63-129 | |
| Methyl-t-Butyl Ether (MTBE) | 250 | 195 | 78 | 77-125 | |
| Tert-Butyl Alcohol (TBA) | 1250 | 1320 | 105 | 47-137 | |
| Diisopropyl Ether (DIPE) | 250 | 243 | 97 | 76-130 | |
| Ethyl-t-Butyl Ether (ETBE) | 250 | 231 | 92 | 76-124 | |
| Tert-Amyl-Methyl Ether (TAME) | 250 | 246 | 98 | 82-118 | |
| Ethanol | 2500 | 2810 | 113 | 59-131 | |

RPD - Relative Percent Difference, CL - Control Limit


 Work Order Number: 07-11-0905

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





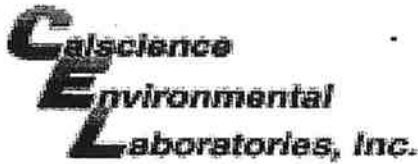
7440 LINCOLN WAY
 GARDEN GROVE, CA 92841-1432
 TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE:

PAGE: 1 OF 1

| LABORATORY CLIENT: Exxon Mobil Refining & Supply - Global Remediation | | | | | | CLIENT PROJECT NAME / NUMBER: 247603X / 7-0234 | | | | | | P.O. NO.: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------|-------------------------------|-----------------------|---|--------------------------|---|--------|-------------------|--|----------------|--|--|---------------------|-------------------|---------------|---------------------|--------------------------|------------------|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| ADDRESS: c/o Environmental Resolutions, Inc. 601 North McDowell Blvd. Petaluma, California 94954 | | | | | | PROJECT CONTACT: Paula Sime/ERI | | | | | | QUOTE NO.: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEL: (707) 766-2000 | | FAX: (707) 789-0414 | | E-MAIL: norcallabs@eri-us.com | | SAMPLER(S): (SIGNATURE) | | | | | | LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TURNAROUND TIME <input type="checkbox"/> SAME DAY <input checked="" type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS | | | | | | REQUESTED ANALYSIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) Send EDF report / Global ID: T06019757161 | | | | | | <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <th>TPHd by 8015B</th> <th>TPHg by 8015B</th> <th>Methanol by 8015B</th> <th>BTEX by 8260B</th> <th>Oxygenates by 8260B</th> <th>Lead Scavengers by 8260B</th> <th>Ethanol by 8260B</th> <th>Total Lead by 6010B</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table> | | | | | | TPHd by 8015B | TPHg by 8015B | Methanol by 8015B | BTEX by 8260B | Oxygenates by 8260B | Lead Scavengers by 8260B | Ethanol by 8260B | Total Lead by 6010B | | | | | | | | | | | | | X | X | X | X | X | X | | | | | | | | | | | | | | | X | X | X | X | X | X | | | | | | | | | | | | | | | X | X | X | X | X | X | | | | | | | | | | | | | | | X | X | X | X | X | X | | | | | | | | | | | | | | | X | X | X | X | X | X | | | | | | | | | | | | | | | X | X | X | X | X | X | | | | | | | | | | | | | | | X | X | X | X | X | X | | | | | | | | | | | | | | | | |
| TPHd by 8015B | TPHg by 8015B | Methanol by 8015B | BTEX by 8260B | Oxygenates by 8260B | Lead Scavengers by 8260B | | | | | | | Ethanol by 8260B | Total Lead by 6010B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS Use Silica Gel Cleanup for all TPHd analyses. Set TBA reporting limit at or below 12 ug/L. Oxygenates: MTBE, ETBE, TAME, DIPE, TBA Lead Scavengers: 1,2-DCA, EDB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAB USE ONLY | # | SAMPLE ID | LOCATION/ DESCRIPTION | SAMPLING | | Matrix | #Cont | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | BB | S-25-B13 | B13 | 11-12-07 | 10:19 | S | SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | BB | S-30-B13 | B13 | | 10:25 | S | SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | BB | S-35-B13 | B13 | | 10:34 | S | SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | S-10-B18 | B18 | | 12:50 | S | SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | S-15-B18 | | | 12:50 | S | SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | S-20-B18 | | | 13:00 | S | SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | S-25-B18 | | | 13:10 | S | SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | S-30-B18 | | | 13:15 | S | SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | S-35-B18 | | | 13:35 | S | SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | Received by: (Signature) | | | | Date: 11-12-07 | | Time: 14:22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) John L. (to (750)) | | | | Received by: (Signature) Shawn Farnre (Co) | | | | Date: 11-13-07 | | Time: 10:40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | Received by: (Signature) | | | | Date: | | Time: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



WORK ORDER #: 07 - 11 - 0905

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: ERI

DATE: 11.13.07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
Chilled, cooler without temperature blank.
Chilled and placed in cooler with wet ice.
Ambient and placed in cooler with wet ice.
Ambient temperature.
C Temperature blank.

LABORATORY (Other than Calscience Courier):

- 3.1 C Temperature blank.
C IR thermometer.
Ambient temperature.

Initial: SF

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact): Not Present:

Initial: SF

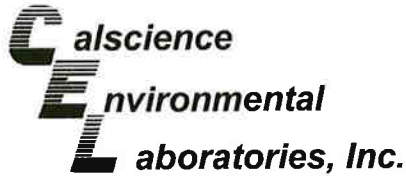
SAMPLE CONDITION:

Table with 3 columns: Yes, No, N/A. Rows include Chain-Of-Custody document(s) received with samples, Sampler's name indicated on COC, Sample container label(s) consistent with custody papers, Sample container(s) intact and good condition, Correct containers and volume for analyses requested, Proper preservation noted on sample label(s), VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: SF

COMMENTS:

Blank lines for handwritten comments.



November 15, 2007

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



Subject: Calscience Work Order No.: 07-11-0993
Client Reference: ExxonMobil 7-0234 / 247603X

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/14/2007 and analyzed in accordance with the attached chain-of-custody.

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

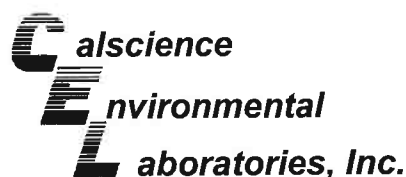
Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager





Analytical Report



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

Date Received: 11/14/07
Work Order No: 07-11-0993
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|---------------------|-----------------|--------------|-------------|-----------------|-----------------|------------------|
| S-15.5-B12 | 07-11-0993-1 | 11/13/07 | Solid | GC 1 | 11/14/07 | 11/14/07 | 071114B02 |

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | 43 | 12 | 25 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 114 | 42-126 | | | |

| | | | | | | | |
|-------------------|---------------------|-----------------|--------------|-------------|-----------------|-----------------|------------------|
| S-20.5-B12 | 07-11-0993-2 | 11/13/07 | Solid | GC 1 | 11/14/07 | 11/14/07 | 071114B01 |
|-------------------|---------------------|-----------------|--------------|-------------|-----------------|-----------------|------------------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | 3.2 | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 112 | 42-126 | | | |

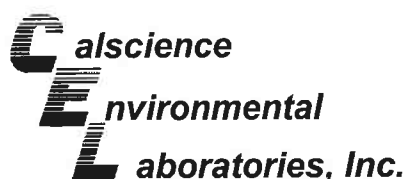
| | | | | | | | |
|-----------------|---------------------|-----------------|--------------|-------------|-----------------|-----------------|------------------|
| S-16-B14 | 07-11-0993-3 | 11/13/07 | Solid | GC 1 | 11/14/07 | 11/14/07 | 071114B01 |
|-----------------|---------------------|-----------------|--------------|-------------|-----------------|-----------------|------------------|

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

| | | | | | | | |
|-------------------|---------------------|-----------------|--------------|-------------|-----------------|-----------------|------------------|
| S-20.5-B14 | 07-11-0993-4 | 11/13/07 | Solid | GC 1 | 11/14/07 | 11/14/07 | 071114B01 |
|-------------------|---------------------|-----------------|--------------|-------------|-----------------|-----------------|------------------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 61 | 42-126 | | | |

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



Analytical Report



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

Date Received: 11/14/07
Work Order No: 07-11-0993
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

Page 2 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-11-B17 | 07-11-0993-5 | 11/13/07 | Solid | GC 1 | 11/14/07 | 11/15/07 | 071114B02 |

| Parameter | Result | RL | DF | Qual | Units |
|-----------------|--------|----|----|------|-------|
| TPH as Gasoline | 90 | 12 | 25 | | mg/kg |

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 116 | 42-126 | |

| | | | | | | | |
|----------|--------------|----------|-------|------|----------|----------|-----------|
| S-16-B17 | 07-11-0993-6 | 11/13/07 | Solid | GC 1 | 11/14/07 | 11/14/07 | 071114B01 |
|----------|--------------|----------|-------|------|----------|----------|-----------|

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

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 103 | 42-126 | |

| | | | | | | | |
|----------|--------------|----------|-------|-------|----------|----------|-----------|
| S-21-B17 | 07-11-0993-7 | 11/13/07 | Solid | GC 18 | 11/14/07 | 11/14/07 | 071114B01 |
|----------|--------------|----------|-------|-------|----------|----------|-----------|

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

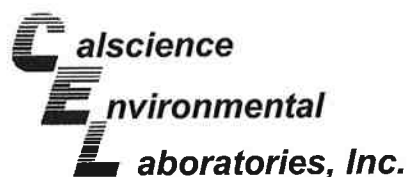
| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 99 | 42-126 | |

| | | | | | | | |
|------------|--------------|----------|-------|-------|----------|----------|-----------|
| S-24.5-B17 | 07-11-0993-8 | 11/13/07 | Solid | GC 18 | 11/14/07 | 11/14/07 | 071114B01 |
|------------|--------------|----------|-------|-------|----------|----------|-----------|

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

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 99 | 42-126 | |

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



Analytical Report



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

Date Received: 11/14/07
Work Order No: 07-11-0993
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-31-B17 | 07-11-0993-9 | 11/13/07 | Solid | GC 18 | 11/14/07 | 11/14/07 | 071114B01 |

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

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 99 | 42-126 | |

| | | | | | | | |
|------------|---------------|----------|-------|-------|----------|----------|-----------|
| S-35.5-B17 | 07-11-0993-10 | 11/13/07 | Solid | GC 18 | 11/14/07 | 11/14/07 | 071114B01 |
|------------|---------------|----------|-------|-------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|-----------------|--------|------|----|------|-------|
| TPH as Gasoline | 0.85 | 0.50 | 1 | | mg/kg |

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 100 | 42-126 | |

| | | | | | | | |
|--------------|------------------|-----|-------|------|----------|----------|-----------|
| Method Blank | 099-12-279-1,304 | N/A | Solid | GC 1 | 11/14/07 | 11/14/07 | 071114B01 |
|--------------|------------------|-----|-------|------|----------|----------|-----------|

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

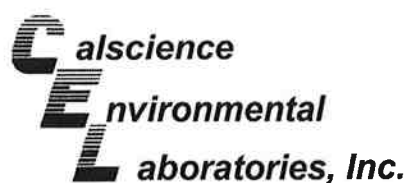
| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 105 | 42-126 | |

| | | | | | | | |
|--------------|------------------|-----|-------|------|----------|----------|-----------|
| Method Blank | 099-12-279-1,305 | N/A | Solid | GC 1 | 11/14/07 | 11/14/07 | 071114B02 |
|--------------|------------------|-----|-------|------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|-----------------|--------|-----|----|------|-------|
| TPH as Gasoline | ND | 5.0 | 10 | | mg/kg |

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 103 | 42-126 | |

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



Analytical Report



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

Date Received: 11/14/07
Work Order No: 07-11-0993
Preparation: EPA 5030B
Method: EPA 8015B (M)

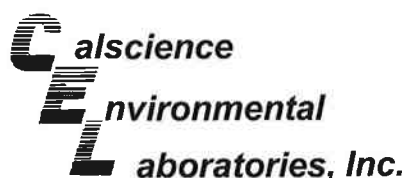
Project: ExxonMobil 7-0234 / 247603X

Page 4 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| Method Blank | 099-12-279-1,306 | N/A | Solid | GC 18 | 11/14/07 | 11/14/07 | 071114B01 |

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

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



Analytical Report



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

Date Received: 11/14/07
Work Order No: 07-11-0993
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234 / 247603X

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-15.5-B12 | 07-11-0993-1 | 11/13/07 | Solid | GC/MS Z | 11/14/07 | 11/14/07 | 071114L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 108 | 73-139 | | | 1,2-Dichloroethane-d4 | 115 | 73-145 | | |
| Toluene-d8 | 102 | 90-108 | | | 1,4-Bromofluorobenzene | 100 | 71-113 | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-20.5-B12 | 07-11-0993-2 | 11/13/07 | Solid | GC/MS Z | 11/14/07 | 11/14/07 | 071114L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | 0.076 | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | 0.15 | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | 0.0053 | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 102 | 73-139 | | | 1,2-Dichloroethane-d4 | 109 | 73-145 | | |
| Toluene-d8 | 98 | 90-108 | | | 1,4-Bromofluorobenzene | 98 | 71-113 | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-16-B14 | 07-11-0993-3 | 11/13/07 | Solid | GC/MS Z | 11/14/07 | 11/14/07 | 071114L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 105 | 73-139 | | | 1,2-Dichloroethane-d4 | 112 | 73-145 | | |
| Toluene-d8 | 97 | 90-108 | | | 1,4-Bromofluorobenzene | 95 | 71-113 | | |

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



Analytical Report



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

Date Received: 11/14/07
Work Order No: 07-11-0993
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234 / 247603X

Page 2 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|---------------------|-----------------|--------------|----------------|-----------------|-----------------|------------------|
| S-20.5-B14 | 07-11-0993-4 | 11/13/07 | Solid | GC/MS Z | 11/14/07 | 11/14/07 | 071114L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | 0.031 | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 1 | | | | | | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 108 | 73-139 | | | 1,2-Dichloroethane-d4 | 119 | 73-145 | | |
| Toluene-d8 | 98 | 90-108 | | | 1,4-Bromofluorobenzene | 97 | 71-113 | | |

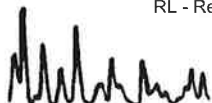
| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|---------------------|-----------------|--------------|----------------|-----------------|-----------------|------------------|
| S-11-B17 | 07-11-0993-5 | 11/13/07 | Solid | GC/MS Z | 11/14/07 | 11/14/07 | 071114L01 |

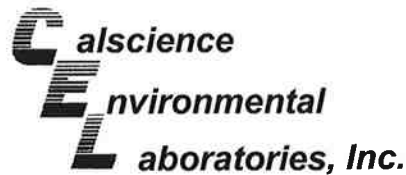
| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | 0.052 | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | 0.036 | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | 0.086 | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | 0.020 | 0.0050 | 1 | | | | | | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 108 | 73-139 | | | 1,2-Dichloroethane-d4 | 120 | 73-145 | | |
| Toluene-d8 | 98 | 90-108 | | | 1,4-Bromofluorobenzene | 98 | 71-113 | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|---------------------|-----------------|--------------|----------------|-----------------|-----------------|------------------|
| S-16-B17 | 07-11-0993-6 | 11/13/07 | Solid | GC/MS Z | 11/14/07 | 11/14/07 | 071114L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | 0.0052 | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | 0.099 | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 1 | | | | | | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 107 | 73-139 | | | 1,2-Dichloroethane-d4 | 115 | 73-145 | | |
| Toluene-d8 | 98 | 90-108 | | | 1,4-Bromofluorobenzene | 95 | 71-113 | | |

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





Analytical Report



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

Date Received: 11/14/07
Work Order No: 07-11-0993
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234 / 247603X

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID | | |
|----------------------|---------------------|-----------------------|--------------|----------------|-------------------------------|-----------------|-----------------------|-----------|-------------|
| S-21-B17 | 07-11-0993-7 | 11/13/07 | Solid | GC/MS Z | 11/14/07 | 11/14/07 | 071114L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | 0.011 | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 108 | 73-139 | | | 1,2-Dichloroethane-d4 | 117 | 73-145 | | |
| Toluene-d8 | 100 | 90-108 | | | 1,4-Bromofluorobenzene | 97 | 71-113 | | |
| S-24.5-B17 | 07-11-0993-8 | 11/13/07 | Solid | GC/MS Z | 11/14/07 | 11/14/07 | 071114L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | 0.59 | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | 0.20 | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 109 | 73-139 | | | 1,2-Dichloroethane-d4 | 117 | 73-145 | | |
| Toluene-d8 | 97 | 90-108 | | | 1,4-Bromofluorobenzene | 96 | 71-113 | | |
| S-31-B17 | 07-11-0993-9 | 11/13/07 | Solid | GC/MS Z | 11/14/07 | 11/14/07 | 071114L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | 0.15 | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 108 | 73-139 | | | 1,2-Dichloroethane-d4 | 117 | 73-145 | | |
| Toluene-d8 | 96 | 90-108 | | | 1,4-Bromofluorobenzene | 97 | 71-113 | | |

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

Analytical Report



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

Date Received: 11/14/07
Work Order No: 07-11-0993
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234 / 247603X

Page 4 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|----------------------|-----------------|--------------|----------------|-----------------|-----------------|------------------|
| S-35.5-B17 | 07-11-0993-10 | 11/13/07 | Solid | GC/MS Z | 11/14/07 | 11/14/07 | 071114L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | 1.7 | 0.12 | 25 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 1 | | | | | | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 108 | 73-139 | | | 1,2-Dichloroethane-d4 | 119 | 73-145 | | |
| Toluene-d8 | 99 | 90-108 | | | 1,4-Bromofluorobenzene | 94 | 71-113 | | |

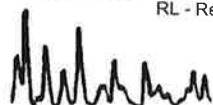
| Method Blank | 099-10-005-15,087 | N/A | Solid | GC/MS Z | 11/14/07 | 11/14/07 | 071114L01 |
|--------------|-------------------|-----|-------|---------|----------|----------|-----------|
|--------------|-------------------|-----|-------|---------|----------|----------|-----------|

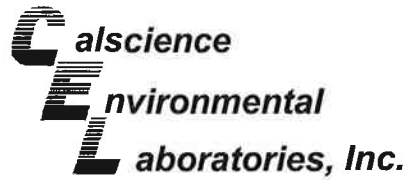
| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 1 | | | | | | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 108 | 73-139 | | | 1,2-Dichloroethane-d4 | 118 | 73-145 | | |
| Toluene-d8 | 97 | 90-108 | | | 1,4-Bromofluorobenzene | 96 | 71-113 | | |

| Method Blank | 099-10-005-15,089 | N/A | Solid | GC/MS Z | 11/14/07 | 11/14/07 | 071114L02 |
|--------------|-------------------|-----|-------|---------|----------|----------|-----------|
|--------------|-------------------|-----|-------|---------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.12 | 25 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.12 | 25 | |
| 1,2-Dibromoethane | ND | 0.12 | 25 | | Tert-Butyl Alcohol (TBA) | ND | 1.2 | 25 | |
| 1,2-Dichloroethane | ND | 0.12 | 25 | | Diisopropyl Ether (DIPE) | ND | 0.25 | 25 | |
| Ethylbenzene | ND | 0.12 | 25 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.25 | 25 | |
| Toluene | ND | 0.12 | 25 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.25 | 25 | |
| Xylenes (total) | ND | 0.12 | 25 | | | | | | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 105 | 73-139 | | | 1,2-Dichloroethane-d4 | 115 | 73-145 | | |
| Toluene-d8 | 101 | 90-108 | | | 1,4-Bromofluorobenzene | 98 | 71-113 | | |

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers





Quality Control - Spike/Spike Duplicate



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

Date Received: 11/14/07
Work Order No: 07-11-0993
Preparation: EPA 5030B
Method: EPA 8015B (M)

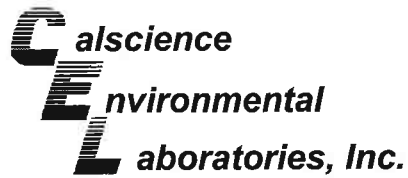
Project ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| S-16-B14 | Solid | GC 1 | 11/14/07 | 11/14/07 | 071114S01 |

| <u>Parameter</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 Gasoline | 74 | 70 | 48-114 | 5 | 0-23 | |

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



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

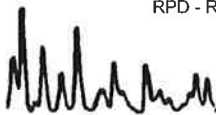
Date Received: 11/14/07
Work Order No: 07-11-0993
Preparation: EPA 5030B
Method: EPA 8015B (M)

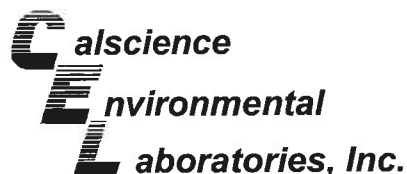
Project ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| 07-11-0909-1 | Solid | GC 18 | 11/14/07 | 11/14/07 | 071114S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|---------|----------|---------|-----|--------|------------|
| TPH as Gasoline | 83 | 83 | 48-114 | 0 | 0-23 | |

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



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

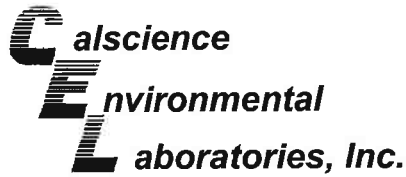
Date Received: 11/14/07
Work Order No: 07-11-0993
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| S-35.5-B17 | Solid | GC/MS Z | 11/14/07 | 11/14/07 | 071114S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene | 104 | 109 | 79-115 | 4 | 0-13 | |
| Carbon Tetrachloride | 112 | 120 | 55-139 | 7 | 0-15 | |
| Chlorobenzene | 105 | 108 | 79-115 | 3 | 0-17 | |
| 1,2-Dibromoethane | 108 | 106 | 70-130 | 2 | 0-30 | |
| 1,2-Dichlorobenzene | 97 | 100 | 63-123 | 3 | 0-23 | |
| 1,1-Dichloroethene | 108 | 116 | 69-123 | 7 | 0-16 | |
| Ethylbenzene | 110 | 114 | 70-130 | 4 | 0-30 | |
| Toluene | 106 | 110 | 79-115 | 4 | 0-15 | |
| Trichloroethene | 107 | 113 | 66-144 | 5 | 0-14 | |
| Vinyl Chloride | 89 | 105 | 60-126 | 16 | 0-14 | 4 |
| Methyl-t-Butyl Ether (MTBE) | 0 | 0 | 68-128 | 35 | 0-14 | 3,4 |
| Tert-Butyl Alcohol (TBA) | 107 | 108 | 44-134 | 0 | 0-37 | |
| Diisopropyl Ether (DIPE) | 89 | 95 | 75-123 | 8 | 0-12 | |
| Ethyl-t-Butyl Ether (ETBE) | 89 | 98 | 75-117 | 9 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 98 | 100 | 79-115 | 2 | 0-12 | |
| Ethanol | 110 | 104 | 42-138 | 6 | 0-28 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

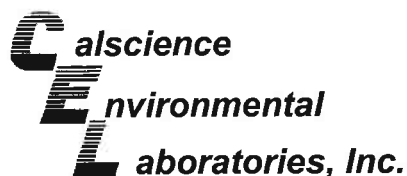
Date Received: N/A
Work Order No: 07-11-0993
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-279-1,305 | Solid | GC 1 | 11/14/07 | 11/14/07 | 071114B02 |

| <u>Parameter</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 | 90 | 90 | 70-124 | 0 | 0-18 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

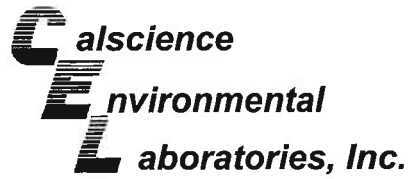
Date Received: N/A
Work Order No: 07-11-0993
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-279-1,304 | Solid | GC 1 | 11/14/07 | 11/14/07 | 071114B01 |

| Parameter | <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 | 90 | 90 | 70-124 | 0 | 0-18 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

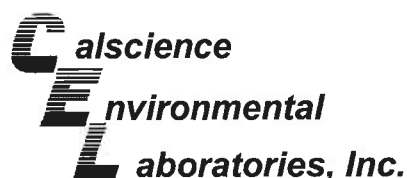
Date Received: N/A
 Work Order No: 07-11-0993
 Preparation: EPA 5030B
 Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-279-1,306 | Solid | GC 18 | 11/14/07 | 11/14/07 | 071114B01 |

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

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 07-11-0993
Preparation: EPA 5030B
Method: EPA 8260B

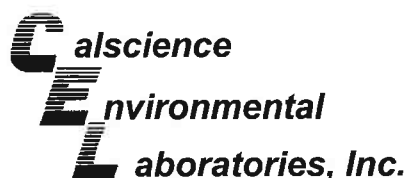
Project: ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-10-005-15,087 | Solid | GC/MS Z | 11/14/07 | 11/14/07 | 071114L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene | 109 | 107 | 84-114 | 2 | 0-7 | |
| Carbon Tetrachloride | 123 | 120 | 66-132 | 2 | 0-12 | |
| Chlorobenzene | 110 | 109 | 87-111 | 1 | 0-7 | |
| 1,2-Dibromoethane | 110 | 112 | 80-120 | 2 | 0-20 | |
| 1,2-Dichlorobenzene | 102 | 102 | 79-115 | 0 | 0-8 | |
| 1,1-Dichloroethene | 119 | 114 | 73-121 | 4 | 0-12 | |
| Ethylbenzene | 117 | 113 | 80-120 | 3 | 0-20 | |
| Toluene | 111 | 110 | 78-114 | 1 | 0-7 | |
| Trichloroethene | 113 | 110 | 84-114 | 3 | 0-8 | |
| Vinyl Chloride | 107 | 106 | 63-129 | 1 | 0-15 | |
| Methyl-t-Butyl Ether (MTBE) | 97 | 98 | 77-125 | 1 | 0-11 | |
| Tert-Butyl Alcohol (TBA) | 112 | 120 | 47-137 | 7 | 0-27 | |
| Diisopropyl Ether (DIPE) | 95 | 95 | 76-130 | 0 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 96 | 96 | 76-124 | 0 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 98 | 101 | 82-118 | 2 | 0-11 | |
| Ethanol | 117 | 123 | 59-131 | 4 | 0-21 | |

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 07-11-0993
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-10-005-15,089 | Solid | GC/MS Z | 11/14/07 | 11/14/07 | 071114L02 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene | 109 | 107 | 84-114 | 2 | 0-7 | |
| Carbon Tetrachloride | 123 | 120 | 66-132 | 2 | 0-12 | |
| Chlorobenzene | 110 | 109 | 87-111 | 1 | 0-7 | |
| 1,2-Dibromoethane | 110 | 112 | 80-120 | 2 | 0-20 | |
| 1,2-Dichlorobenzene | 102 | 102 | 79-115 | 0 | 0-8 | |
| 1,1-Dichloroethene | 119 | 114 | 73-121 | 4 | 0-12 | |
| Ethylbenzene | 117 | 113 | 80-120 | 3 | 0-20 | |
| Toluene | 111 | 110 | 78-114 | 1 | 0-7 | |
| Trichloroethene | 113 | 110 | 84-114 | 3 | 0-8 | |
| Vinyl Chloride | 107 | 106 | 63-129 | 1 | 0-15 | |
| Methyl-t-Butyl Ether (MTBE) | 97 | 98 | 77-125 | 1 | 0-11 | |
| Tert-Butyl Alcohol (TBA) | 112 | 120 | 47-137 | 7 | 0-27 | |
| Diisopropyl Ether (DIPE) | 95 | 95 | 76-130 | 0 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 96 | 96 | 76-124 | 0 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 98 | 101 | 82-118 | 2 | 0-11 | |
| Ethanol | 117 | 123 | 59-131 | 4 | 0-21 | |

RPD - Relative Percent Difference, CL - Control Limit





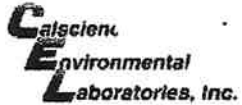
Glossary of Terms and Qualifiers



Work Order Number: 07-11-0993

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





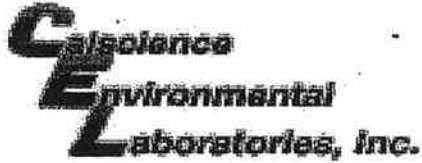
7440 LINCOLN WAY
 GARDEN GROVE, CA 92841-1432
 TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE:

PAGE: 1 OF 1

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------|------------------------|-------------------------------|----------|---|--------|--|---|--|---|---|---|--|--------------------------------|--|----------------------|--|--|--|--|--|--|--|
| LABORATORY CLIENT: Exxon Mobil Refining & Supply - Global Remediation | | | | | | | CLIENT PROJECT NAME / NUMBER: 247603X / 7-0234 | | | | | | | P.O. NO.: | | | | | | | | | |
| ADDRESS: c/o Environmental Resolutions, Inc. 601 North McDowell Blvd. Petaluma, California 94954 | | | | | | | PROJECT CONTACT: Paula Sime/ERI | | | | | | | QUOTE NO.: | | | | | | | | | |
| TEL: (707) 766-2000 | | | FAX: (707) 789-0414 | | E-MAIL: norcallabs@eri-us.com | | | | | | | | | LAB USE ONLY 11-0993 | | | | | | | | | |
| TURNAROUND TIME <input type="checkbox"/> SAME DAY <input checked="" type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS | | | | | | | REQUESTED ANALYSIS | | | | | | | | | | | | | | | | |
| SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) Send EDF report / Global ID: T06019757161 | | | | | | | | | | | | | | | | | | TPHd by 8015B TPHg by 8015B Methanol by 8015B BTEX by 8260B Oxygenates by 8260B Lead Scavengers by 8260B Ethanol by 8260B Total Lead by 6010B | | | | | |
| SPECIAL INSTRUCTIONS Use Silica Gel Cleanup for all TPHd analyses. Set TBA reporting limit at or below 12 ug/L. Oxygenates: MTBE, ETBE, TAME, DIPE, TBA Lead Scavengers: 1,2-DCA, EDB | | | | | | | | | | | | | | | | | | | | | | | |
| LAB USE ONLY | SAMPLE ID | LOCATION / DESCRIPTION | | SAMPLING | | Matrix | #Cont | | | | | | | | | | | | | | | | |
| | | DATE | TIME | | | | | | | | | | | | | | | | | | | | |
| 1 | S-15.5-B12 | B12 | 11-13-07 | 8:05 | S | 1 | | X | | X | X | X | | | | | | | | | | | |
| 2 | S-20.5-B12 | B12 | 11-13-07 | 8:20 | S | 1 | | X | | X | X | X | | | | | | | | | | | |
| 3 | S-16-B14 | B14 | 11-13-07 | 10:06 | S | 1 | | X | | X | X | X | | | | | | | | | | | |
| 4 | S-20.5-B14 | B14 | 11-13-07 | 10:10 | S | 1 | | X | | X | X | X | | | | | | | | | | | |
| 5 | S-11-B17 | B17 | 11-13-07 | 12:50 | S | 1 | | X | | X | X | X | | | | | | | | | | | |
| 6 | S-16-B17 | B17 | 11-13-07 | 12:55 | S | 1 | | X | | X | X | X | | | | | | | | | | | |
| 7 | S-21-B17 | B17 | | 13:00 | S | 1 | | X | | X | X | X | | | | | | | | | | | |
| 8 | S-24.5-B17 | B17 | | 13:05 | S | 1 | | X | | X | X | X | | | | | | | | | | | |
| 9 | S-31-B17 | B17 | | 13:15 | S | 1 | | X | | X | X | X | | | | | | | | | | | |
| 10 | S-35.5-B17 | B17 | ✓ | 13:25 | S | 1 | | X | | X | X | X | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | | | Received by: (Signature) | | | | | | | Date: 11-13-07 | | Time: 1414 | | | | | | | |
| Relinquished by: (Signature) | | | | | | | Received by: (Signature) | | | | | | | Date: 11/14/07 | | Time: 0930 | | | | | | | |
| Relinquished by: (Signature) | | | | | | | Received by: (Signature) | | | | | | | Date: | | Time: | | | | | | | |



WORK ORDER #: 07 - 11 - 0993

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: ERD

DATE: 11/14/07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
Chilled, cooler without temperature blank.
Chilled and placed in cooler with wet ice.
Ambient and placed in cooler with wet ice.
Ambient temperature.
C Temperature blank.

LABORATORY (Other than Calscience Courier):

- 3.9 C Temperature blank.
C IR thermometer.
Ambient temperature.

Initial: [Signature]

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact): Not Present: [check]

Initial: [Signature]

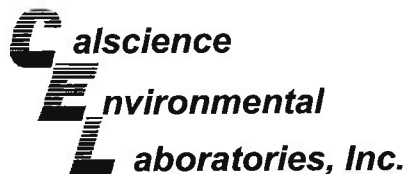
SAMPLE CONDITION:

Table with 4 columns: Description, Yes, No, N/A. Rows include Chain-Of-Custody document(s), Sampler's name, Sample container label(s), Sample container(s) intact, Correct containers and volume, Proper preservation, VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: [Signature]

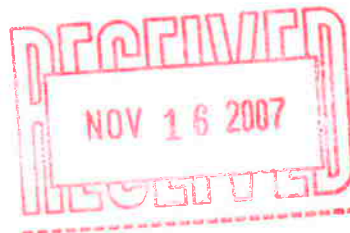
COMMENTS:

Blank lines for handwritten comments.



November 16, 2007

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



Subject: Calscience Work Order No.: 07-11-1129
Client Reference: ExxonMobil 7-0234 / 247603X

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/15/2007 and analyzed in accordance with the attached chain-of-custody.

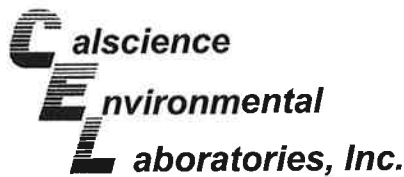
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows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

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

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager



Analytical Report



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

Date Received: 11/15/07
Work Order No: 07-11-1129
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

Page 1 of 3

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-25.5-B11 | 07-11-1129-1 | 11/14/07 | Solid | GC 1 | 11/15/07 | 11/15/07 | 071115B01 |

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

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 101 | 42-126 | |

| | | | | | | | |
|------------|--------------|----------|-------|------|----------|----------|-----------|
| S-29.5-B11 | 07-11-1129-2 | 11/14/07 | Solid | GC 1 | 11/15/07 | 11/15/07 | 071115B01 |
|------------|--------------|----------|-------|------|----------|----------|-----------|

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

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

| | | | | | | | |
|------------|--------------|----------|-------|------|----------|----------|-----------|
| S-34.5-B11 | 07-11-1129-3 | 11/14/07 | Solid | GC 1 | 11/15/07 | 11/15/07 | 071115B01 |
|------------|--------------|----------|-------|------|----------|----------|-----------|

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

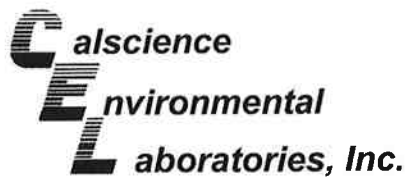
| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 91 | 42-126 | |

| | | | | | | | |
|----------|--------------|----------|-------|------|----------|----------|-----------|
| S-11-B16 | 07-11-1129-4 | 11/14/07 | Solid | GC 1 | 11/15/07 | 11/15/07 | 071115B01 |
|----------|--------------|----------|-------|------|----------|----------|-----------|

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

| Surrogates: | REC (%) | Control Limits | Qual |
|------------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene - FID | 103 | 42-126 | |

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



Analytical Report



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

Date Received: 11/15/07
Work Order No: 07-11-1129
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

Page 2 of 3

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|---------------------|-----------------|--------------|-------------|-----------------|-----------------|------------------|
| S-15.5-B16 | 07-11-1129-5 | 11/14/07 | Solid | GC 1 | 11/15/07 | 11/15/07 | 071115B01 |

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

| | | | | | | | |
|-----------------|---------------------|-----------------|--------------|-------------|-----------------|-----------------|------------------|
| S-21-B16 | 07-11-1129-6 | 11/14/07 | Solid | GC 1 | 11/15/07 | 11/15/07 | 071115B01 |
|-----------------|---------------------|-----------------|--------------|-------------|-----------------|-----------------|------------------|

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

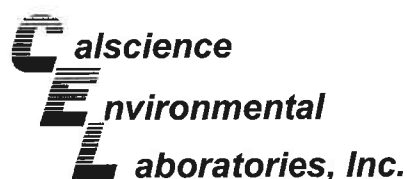
| | | | | | | | |
|-----------------|---------------------|-----------------|--------------|-------------|-----------------|-----------------|------------------|
| S-26-B16 | 07-11-1129-7 | 11/14/07 | Solid | GC 1 | 11/15/07 | 11/15/07 | 071115B01 |
|-----------------|---------------------|-----------------|--------------|-------------|-----------------|-----------------|------------------|

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

| | | | | | | | |
|-------------------|---------------------|-----------------|--------------|-------------|-----------------|-----------------|------------------|
| S-30.5-B16 | 07-11-1129-8 | 11/14/07 | Solid | GC 1 | 11/15/07 | 11/15/07 | 071115B01 |
|-------------------|---------------------|-----------------|--------------|-------------|-----------------|-----------------|------------------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 96 | 42-126 | | | |

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



Analytical Report



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

Date Received: 11/15/07
Work Order No: 07-11-1129
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

Page 3 of 3

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-34.5-B16 | 07-11-1129-9 | 11/14/07 | Solid | GC 1 | 11/15/07 | 11/15/07 | 071115B01 |

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

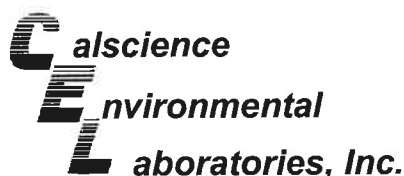
| | | | | | | | |
|------------|---------------|----------|-------|------|----------|----------|-----------|
| S-38.5-B16 | 07-11-1129-10 | 11/14/07 | Solid | GC 1 | 11/15/07 | 11/15/07 | 071115B01 |
|------------|---------------|----------|-------|------|----------|----------|-----------|

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

| | | | | | | | |
|--------------|------------------|-----|-------|------|----------|----------|-----------|
| Method Blank | 099-12-279-1,310 | N/A | Solid | GC 1 | 11/15/07 | 11/15/07 | 071115B01 |
|--------------|------------------|-----|-------|------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 105 | 42-126 | | | |

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



Analytical Report



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

Date Received: 11/15/07
Work Order No: 07-11-1129
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234 / 247603X

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-25.5-B11 | 07-11-1129-1 | 11/14/07 | Solid | GC/MS JJ | 11/15/07 | 11/15/07 | 071115L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 106 | 73-139 | | | 1,2-Dichloroethane-d4 | 124 | 73-145 | | |
| Toluene-d8 | 102 | 90-108 | | | 1,4-Bromofluorobenzene | 103 | 71-113 | | |

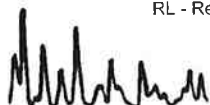
| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-29.5-B11 | 07-11-1129-2 | 11/14/07 | Solid | GC/MS JJ | 11/15/07 | 11/15/07 | 071115L01 |

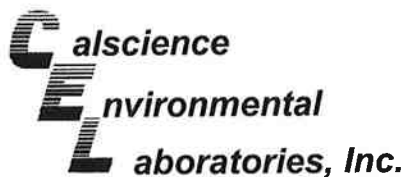
| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 108 | 73-139 | | | 1,2-Dichloroethane-d4 | 122 | 73-145 | | |
| Toluene-d8 | 100 | 90-108 | | | 1,4-Bromofluorobenzene | 103 | 71-113 | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-34.5-B11 | 07-11-1129-3 | 11/14/07 | Solid | GC/MS JJ | 11/15/07 | 11/15/07 | 071115L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 106 | 73-139 | | | 1,2-Dichloroethane-d4 | 119 | 73-145 | | |
| Toluene-d8 | 102 | 90-108 | | | 1,4-Bromofluorobenzene | 105 | 71-113 | | |

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





Analytical Report



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

Date Received: 11/15/07
Work Order No: 07-11-1129
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

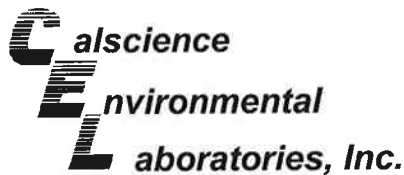
Project: ExxonMobil 7-0234 / 247603X

Page 2 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID | | |
|----------------------|---------------------|-----------------------|--------------|-----------------|-------------------------------|-----------------|-----------------------|-------------|-------------|
| S-11-B16 | 07-11-1129-4 | 11/14/07 | Solid | GC/MS JJ | 11/15/07 | 11/15/07 | 071115L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> | |
| Dibromofluoromethane | 108 | 73-139 | | | 1,2-Dichloroethane-d4 | 126 | 73-145 | | |
| Toluene-d8 | 101 | 90-108 | | | 1,4-Bromofluorobenzene | 100 | 71-113 | | |
| S-15.5-B16 | 07-11-1129-5 | 11/14/07 | Solid | GC/MS JJ | 11/15/07 | 11/15/07 | 071115L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> | |
| Dibromofluoromethane | 103 | 73-139 | | | 1,2-Dichloroethane-d4 | 120 | 73-145 | | |
| Toluene-d8 | 103 | 90-108 | | | 1,4-Bromofluorobenzene | 102 | 71-113 | | |
| S-21-B16 | 07-11-1129-6 | 11/14/07 | Solid | GC/MS JJ | 11/15/07 | 11/15/07 | 071115L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> | |
| Dibromofluoromethane | 105 | 73-139 | | | 1,2-Dichloroethane-d4 | 125 | 73-145 | | |
| Toluene-d8 | 102 | 90-108 | | | 1,4-Bromofluorobenzene | 103 | 71-113 | | |

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





Analytical Report



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

Date Received: 11/15/07
Work Order No: 07-11-1129
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234 / 247603X

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID | | |
|----------------------|---------------------|-----------------------|--------------|-----------------|-------------------------------|-----------------|-----------------------|-----------|-------------|
| S-26-B16 | 07-11-1129-7 | 11/14/07 | Solid | GC/MS JJ | 11/15/07 | 11/15/07 | 071115L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 110 | 73-139 | | | 1,2-Dichloroethane-d4 | 125 | 73-145 | | |
| Toluene-d8 | 99 | 90-108 | | | 1,4-Bromofluorobenzene | 106 | 71-113 | | |
| S-30.5-B16 | 07-11-1129-8 | 11/14/07 | Solid | GC/MS JJ | 11/15/07 | 11/15/07 | 071115L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 108 | 73-139 | | | 1,2-Dichloroethane-d4 | 125 | 73-145 | | |
| Toluene-d8 | 102 | 90-108 | | | 1,4-Bromofluorobenzene | 105 | 71-113 | | |
| S-34.5-B16 | 07-11-1129-9 | 11/14/07 | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | 0.021 | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 109 | 73-139 | | | 1,2-Dichloroethane-d4 | 129 | 73-145 | | |
| Toluene-d8 | 103 | 90-108 | | | 1,4-Bromofluorobenzene | 102 | 71-113 | | |

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



Analytical Report



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

Date Received: 11/15/07
Work Order No: 07-11-1129
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234 / 247603X

Page 4 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-38.5-B16 | 07-11-1129-10 | 11/14/07 | Solid | GC/MS JJ | 11/15/07 | 11/15/07 | 071115L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 112 | 73-139 | | | 1,2-Dichloroethane-d4 | 125 | 73-145 | | |
| Toluene-d8 | 100 | 90-108 | | | 1,4-Bromofluorobenzene | 102 | 71-113 | | |

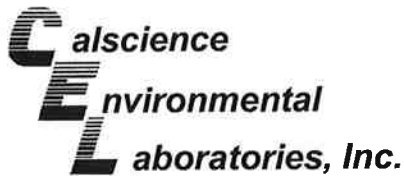
| Method Blank | 099-10-005-15,097 | N/A | Solid | GC/MS JJ | 11/15/07 | 11/15/07 | 071115L01 |
|--------------|-------------------|-----|-------|----------|----------|----------|-----------|
|--------------|-------------------|-----|-------|----------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 107 | 73-139 | | | 1,2-Dichloroethane-d4 | 120 | 73-145 | | |
| Toluene-d8 | 102 | 90-108 | | | 1,4-Bromofluorobenzene | 103 | 71-113 | | |

| Method Blank | 099-10-005-15,099 | N/A | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116L01 |
|--------------|-------------------|-----|-------|----------|----------|----------|-----------|
|--------------|-------------------|-----|-------|----------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 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> |
| Dibromofluoromethane | 106 | 73-139 | | | 1,2-Dichloroethane-d4 | 126 | 73-145 | | |
| Toluene-d8 | 101 | 90-108 | | | 1,4-Bromofluorobenzene | 106 | 71-113 | | |

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



Quality Control - Spike/Spike Duplicate



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

Date Received: 11/15/07
Work Order No: 07-11-1129
Preparation: EPA 5030B
Method: EPA 8015B (M)

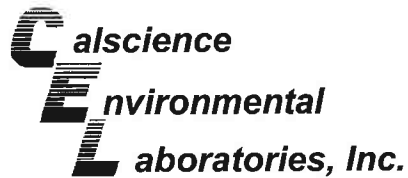
Project ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| S-34.5-B11 | Solid | GC 1 | 11/15/07 | 11/15/07 | 071115S01 |

| <u>Parameter</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 Gasoline | 73 | 62 | 48-114 | 16 | 0-23 | |

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



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

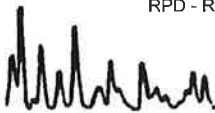
Date Received: 11/15/07
Work Order No: 07-11-1129
Preparation: EPA 5030B
Method: EPA 8260B

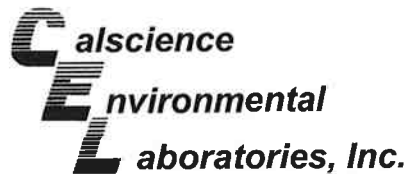
Project ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| 07-11-1060-1 | Solid | GC/MS JJ | 11/15/07 | 11/15/07 | 071115S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene | 86 | 87 | 79-115 | 1 | 0-13 | |
| Carbon Tetrachloride | 100 | 100 | 55-139 | 0 | 0-15 | |
| Chlorobenzene | 88 | 90 | 79-115 | 2 | 0-17 | |
| 1,2-Dibromoethane | 94 | 92 | 70-130 | 2 | 0-30 | |
| 1,2-Dichlorobenzene | 92 | 93 | 63-123 | 1 | 0-23 | |
| 1,1-Dichloroethene | 92 | 92 | 69-123 | 0 | 0-16 | |
| Ethylbenzene | 90 | 92 | 70-130 | 1 | 0-30 | |
| Toluene | 88 | 89 | 79-115 | 1 | 0-15 | |
| Trichloroethene | 95 | 100 | 66-144 | 5 | 0-14 | |
| Vinyl Chloride | 93 | 89 | 60-126 | 5 | 0-14 | |
| Methyl-t-Butyl Ether (MTBE) | 107 | 103 | 68-128 | 3 | 0-14 | |
| Tert-Butyl Alcohol (TBA) | 94 | 86 | 44-134 | 9 | 0-37 | |
| Diisopropyl Ether (DIPE) | 100 | 99 | 75-123 | 1 | 0-12 | |
| Ethyl-t-Butyl Ether (ETBE) | 106 | 106 | 75-117 | 0 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 104 | 106 | 79-115 | 2 | 0-12 | |
| Ethanol | 89 | 90 | 42-138 | 1 | 0-28 | |

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



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

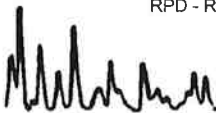
Date Received: 11/15/07
Work Order No: 07-11-1129
Preparation: EPA 5030B
Method: EPA 8260B

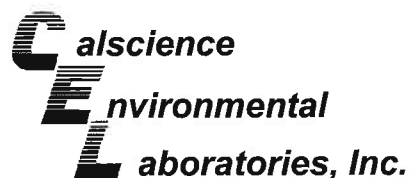
Project ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| S-34.5-B16 | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene | 88 | 90 | 79-115 | 1 | 0-13 | |
| Carbon Tetrachloride | 113 | 115 | 55-139 | 2 | 0-15 | |
| Chlorobenzene | 94 | 93 | 79-115 | 1 | 0-17 | |
| 1,2-Dibromoethane | 96 | 94 | 70-130 | 2 | 0-30 | |
| 1,2-Dichlorobenzene | 94 | 94 | 63-123 | 1 | 0-23 | |
| 1,1-Dichloroethene | 100 | 103 | 69-123 | 3 | 0-16 | |
| Ethylbenzene | 98 | 97 | 70-130 | 1 | 0-30 | |
| Toluene | 92 | 93 | 79-115 | 2 | 0-15 | |
| Trichloroethene | 95 | 95 | 66-144 | 0 | 0-14 | |
| Vinyl Chloride | 95 | 100 | 60-126 | 4 | 0-14 | |
| Methyl-t-Butyl Ether (MTBE) | 104 | 107 | 68-128 | 3 | 0-14 | |
| Tert-Butyl Alcohol (TBA) | 107 | 100 | 44-134 | 7 | 0-37 | |
| Diisopropyl Ether (DIPE) | 100 | 101 | 75-123 | 2 | 0-12 | |
| Ethyl-t-Butyl Ether (ETBE) | 107 | 109 | 75-117 | 2 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 106 | 108 | 79-115 | 1 | 0-12 | |
| Ethanol | 93 | 81 | 42-138 | 14 | 0-28 | |

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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

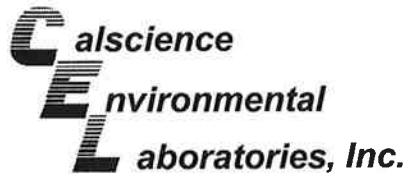
Date Received: N/A
Work Order No: 07-11-1129
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-279-1,310 | Solid | GC 1 | 11/15/07 | 11/15/07 | 071115B01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|----------|-----------|---------|-----|--------|------------|
| TPH as Gasoline | 89 | 89 | 70-124 | 0 | 0-18 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

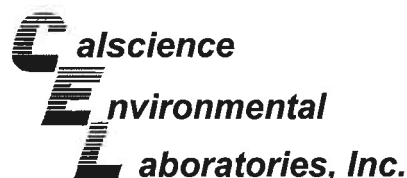
Date Received: N/A
Work Order No: 07-11-1129
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-10-005-15,097 | Solid | GC/MS JJ | 11/15/07 | 11/15/07 | 071115L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene | 92 | 90 | 84-114 | 2 | 0-7 | |
| Carbon Tetrachloride | 106 | 108 | 66-132 | 1 | 0-12 | |
| Chlorobenzene | 95 | 96 | 87-111 | 1 | 0-7 | |
| 1,2-Dibromoethane | 94 | 96 | 80-120 | 2 | 0-20 | |
| 1,2-Dichlorobenzene | 98 | 99 | 79-115 | 1 | 0-8 | |
| 1,1-Dichloroethene | 97 | 94 | 73-121 | 3 | 0-12 | |
| Ethylbenzene | 98 | 100 | 80-120 | 1 | 0-20 | |
| Toluene | 93 | 90 | 78-114 | 3 | 0-7 | |
| Trichloroethene | 95 | 94 | 84-114 | 1 | 0-8 | |
| Vinyl Chloride | 93 | 94 | 63-129 | 2 | 0-15 | |
| Methyl-t-Butyl Ether (MTBE) | 103 | 102 | 77-125 | 1 | 0-11 | |
| Tert-Butyl Alcohol (TBA) | 72 | 85 | 47-137 | 16 | 0-27 | |
| Diisopropyl Ether (DIPE) | 104 | 101 | 76-130 | 3 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 104 | 103 | 76-124 | 0 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 103 | 102 | 82-118 | 1 | 0-11 | |
| Ethanol | 78 | 93 | 59-131 | 18 | 0-21 | |

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 07-11-1129
Preparation: EPA 5030B
Method: EPA 8260B

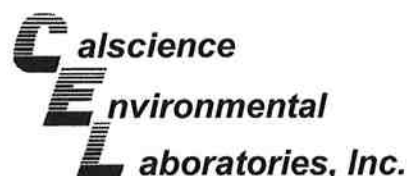
Project: ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-10-005-15,099 | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene | 95 | 93 | 84-114 | 3 | 0-7 | |
| Carbon Tetrachloride | 121 | 122 | 66-132 | 0 | 0-12 | |
| Chlorobenzene | 98 | 97 | 87-111 | 1 | 0-7 | |
| 1,2-Dibromoethane | 99 | 96 | 80-120 | 3 | 0-20 | |
| 1,2-Dichlorobenzene | 100 | 101 | 79-115 | 1 | 0-8 | |
| 1,1-Dichloroethene | 107 | 104 | 73-121 | 3 | 0-12 | |
| Ethylbenzene | 103 | 103 | 80-120 | 1 | 0-20 | |
| Toluene | 98 | 96 | 78-114 | 2 | 0-7 | |
| Trichloroethene | 105 | 100 | 84-114 | 5 | 0-8 | |
| Vinyl Chloride | 101 | 104 | 63-129 | 3 | 0-15 | |
| Methyl-t-Butyl Ether (MTBE) | 108 | 105 | 77-125 | 3 | 0-11 | |
| Tert-Butyl Alcohol (TBA) | 93 | 98 | 47-137 | 5 | 0-27 | |
| Diisopropyl Ether (DIPE) | 103 | 101 | 76-130 | 1 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 106 | 107 | 76-124 | 1 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 105 | 103 | 82-118 | 2 | 0-11 | |
| Ethanol | 89 | 104 | 59-131 | 15 | 0-21 | |

RPD - Relative Percent Difference, CL - Control Limit





Glossary of Terms and Qualifiers

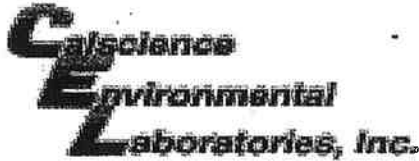


Work Order Number: 07-11-1129

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

A handwritten signature in black ink, appearing to be "M. J. ...".

| LABORATORY CLIENT: Exxon Mobil Refining & Supply - Global Remediation | | | | | | | | CLIENT PROJECT NAME / NUMBER: 247603X / 7-0234 | | | | | | | | P.O. NO.: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------|-------------------------------|---------------|---|--------------------------|--|---------------------|--|-------------------|---------------|---------------------|---|------------------|----------------------|--|-------------------------|--|--|--|--|--|--|--|---------------|---------------|-------------------|---------------|---------------------|--------------------------|------------------|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| ADDRESS: c/o Environmental Resolutions, Inc. 601 North McDowell Blvd. Petaluma, California 94954 | | | | | | | | PROJECT CONTACT: Paula Sime/ERI | | | | | | | | QUOTE NO.: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEL: (707) 766-2000 | | FAX: (707) 789-0414 | | E-MAIL: norcallabs@eri-us.com | | | | SAMPLER(S), (SIGNATURE) <i>Paula Sime</i> | | | | | | | | LAB USE ONLY 11-1129 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TURNAROUND TIME <input type="checkbox"/> SAME DAY <input checked="" type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS | | | | | | | | | | | | REQUESTED ANALYSIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) Send EDF report / Global ID: T06019757161 | | | | | | | | | | | | <table border="1"> <tr> <th>TPHd by 8015B</th> <th>TPHg by 8015B</th> <th>Methanol by 8018B</th> <th>BTEX by 8260B</th> <th>Oxygenates by 8260B</th> <th>Lead Scavengers by 8260B</th> <th>Ethanol by 8260B</th> <th>Total Lead by 6010B</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table> | | | | | | | | | | | | TPHd by 8015B | TPHg by 8015B | Methanol by 8018B | BTEX by 8260B | Oxygenates by 8260B | Lead Scavengers by 8260B | Ethanol by 8260B | Total Lead by 6010B | | | | | | | | | | | | | | X | X | X | X | X | X | | | | | | | | | | | | | | | |
| TPHd by 8015B | TPHg by 8015B | Methanol by 8018B | BTEX by 8260B | Oxygenates by 8260B | Lead Scavengers by 8260B | Ethanol by 8260B | Total Lead by 6010B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS Use Silica Gel Cleanup for all TPHd analyses. Set TBA reporting limit at or below 12 ug/L. Oxygenates: MTBE, ETBE, TAME, DIPE, TBA Lead Scavengers: 1,2-DCA, EDB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAB USE ONLY | SAMPLE ID | LOCATION / DESCRIPTION | SAMPLING | | Matrix | #Cont | TPHd by 8015B | TPHg by 8015B | Methanol by 8018B | BTEX by 8260B | Oxygenates by 8260B | Lead Scavengers by 8260B | Ethanol by 8260B | Total Lead by 6010B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 S-25.5-B11 | B11 | 11-14-07 | 8:30 | S | 1 | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 S-29.5-B11 | B11 | ↓ | 8:38 | S | 1 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 S-34.5-B11 | B11 | ↓ | 8:55 | S | 1 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 S-11-B16 | B16 | 11-14-07 | 12:30 | S | 1 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 S-13.2-B16 | B16 | ↓ | 12:34 | S | 1 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 S-21-B16 | B16 | ↓ | 12:41 | S | 1 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 S-26-B16 | B16 | ↓ | 12:47 | S | 1 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 S-30.5-B16 | B16 | ↓ | 12:55 | S | 1 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 S-34.5-B16 | B16 | ↓ | 13:02 | S | 1 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 S-38.5-B16 | B16 | ↓ | 13:24 | S | 1 | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>Paula Sime</i> | | | | | | Received by: (Signature) <i>[Signature]</i> | | | | | | Date: 11-14-07 | | Time: 1530 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>[Signature]</i> | | | | | | Received by: (Signature) <i>[Signature]</i> | | | | | | Date: 11/15/07 | | Time: 0915 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>[Signature]</i> | | | | | | Received by: (Signature) <i>[Signature]</i> | | | | | | Date: | | Time: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



WORK ORDER #: 07 - 1 1 - 1 1 2 9

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: ERD

DATE: 11/15/07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
Chilled, cooler without temperature blank.
Chilled and placed in cooler with wet ice.
Ambient and placed in cooler with wet ice.
Ambient temperature.
C Temperature blank.

LABORATORY (Other than Calscience Courier):

- 4.3 C Temperature blank.
C IR thermometer.
Ambient temperature.

Initial: [Signature]

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact): Not Present: [checked]

Initial: [Signature]

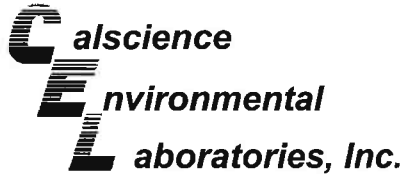
SAMPLE CONDITION:

Table with 4 columns: Item, Yes, No, N/A. Rows include Chain-Of-Custody document(s), Sampler's name, Sample container label(s), Sample container(s) intact, Correct containers and volume, Proper preservation, VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: [Signature]

COMMENTS:

Blank lines for handwritten comments.



November 19, 2007

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

Subject: **Calscience Work Order No.: 07-11-1266**
Client Reference: **ExxonMobil 7-0234**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/16/2007 and analyzed in accordance with the attached chain-of-custody.

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

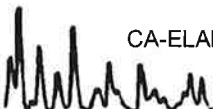
Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

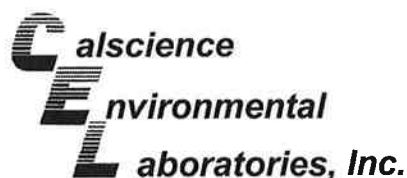
If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Cecile deGuia".

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager





Analytical Report



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

Date Received: 11/16/07
Work Order No: 07-11-1266
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-10.5-B15 | 07-11-1266-1 | 11/15/07 | Solid | GC 4 | 11/16/07 | 11/16/07 | 071116B01 |

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 111 | 42-126 | | | |

| | | | | | | | |
|------------|--------------|----------|-------|------|----------|----------|-----------|
| S-15.5-B15 | 07-11-1266-2 | 11/15/07 | Solid | GC 4 | 11/16/07 | 11/16/07 | 071116B01 |
|------------|--------------|----------|-------|------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | 1.1 | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 123 | 42-126 | | | |

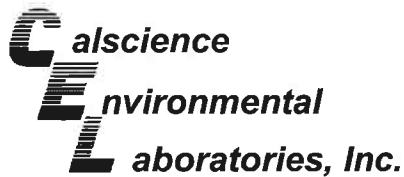
| | | | | | | | |
|----------|--------------|----------|-------|------|----------|----------|-----------|
| S-20-B15 | 07-11-1266-3 | 11/15/07 | Solid | GC 4 | 11/16/07 | 11/17/07 | 071116B02 |
|----------|--------------|----------|-------|------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | 300 | 25 | 50 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 116 | 42-126 | | | |

| | | | | | | | |
|------------|--------------|----------|-------|------|----------|----------|-----------|
| S-25.5-B15 | 07-11-1266-4 | 11/15/07 | Solid | GC 4 | 11/16/07 | 11/17/07 | 071116B02 |
|------------|--------------|----------|-------|------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | 220 | 25 | 50 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 119 | 42-126 | | | |

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



Analytical Report



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

Date Received: 11/16/07
Work Order No: 07-11-1266
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-30.5-B15 | 07-11-1266-5 | 11/15/07 | Solid | GC 4 | 11/16/07 | 11/17/07 | 071116B02 |

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | 59 | 12 | 25 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 113 | 42-126 | | | |

| | | | | | | | |
|------------|--------------|----------|-------|------|----------|----------|-----------|
| S-35.5-B15 | 07-11-1266-6 | 11/15/07 | Solid | GC 4 | 11/16/07 | 11/17/07 | 071116B01 |
|------------|--------------|----------|-------|------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | 3.3 | 0.50 | 1 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 121 | 42-126 | | | |

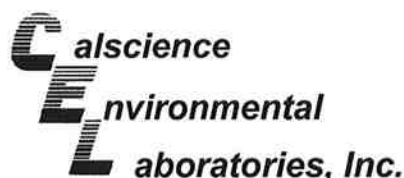
| | | | | | | | |
|--------------|------------------|-----|-------|------|----------|----------|-----------|
| Method Blank | 099-12-279-1,313 | N/A | Solid | GC 4 | 11/16/07 | 11/16/07 | 071116B01 |
|--------------|------------------|-----|-------|------|----------|----------|-----------|

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

| | | | | | | | |
|--------------|------------------|-----|-------|------|----------|----------|-----------|
| Method Blank | 099-12-279-1,314 | N/A | Solid | GC 4 | 11/16/07 | 11/16/07 | 071116B02 |
|--------------|------------------|-----|-------|------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 5.0 | 10 | | mg/kg |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene - FID | 107 | 42-126 | | | |

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



Analytical Report



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

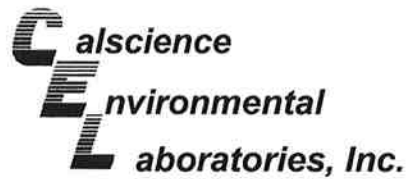
Date Received: 11/16/07
Work Order No: 07-11-1266
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234

Page 1 of 3

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID | | |
|----------------------|---------------------|-----------------------|--------------|-----------------|-------------------------------|-----------------|-----------------------|-----------|-------------|
| S-10.5-B15 | 07-11-1266-1 | 11/15/07 | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 1 | | Ethanol | ND | 0.25 | 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> |
| Dibromofluoromethane | 107 | 73-139 | | | 1,2-Dichloroethane-d4 | 129 | 73-145 | | |
| Toluene-d8 | 103 | 90-108 | | | 1,4-Bromofluorobenzene | 100 | 71-113 | | |
| S-15.5-B15 | 07-11-1266-2 | 11/15/07 | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | 0.32 | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | 0.12 | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | 0.011 | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | 0.017 | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | 0.019 | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | 0.074 | 0.0050 | 1 | | Ethanol | ND | 0.25 | 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> |
| Dibromofluoromethane | 109 | 73-139 | | | 1,2-Dichloroethane-d4 | 128 | 73-145 | | |
| Toluene-d8 | 102 | 90-108 | | | 1,4-Bromofluorobenzene | 106 | 71-113 | | |
| S-20-B15 | 07-11-1266-3 | 11/15/07 | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116L02 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | 6.1 | 0.25 | 50 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.25 | 50 | |
| 1,2-Dibromoethane | ND | 0.25 | 50 | | Tert-Butyl Alcohol (TBA) | ND | 2.5 | 50 | |
| 1,2-Dichloroethane | ND | 0.25 | 50 | | Diisopropyl Ether (DIPE) | ND | 0.50 | 50 | |
| Ethylbenzene | 14 | 0.25 | 50 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.50 | 50 | |
| Toluene | 36 | 0.25 | 50 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.50 | 50 | |
| Xylenes (total) | 72 | 0.25 | 50 | | Ethanol | ND | 12 | 50 | |
| <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> |
| Dibromofluoromethane | 97 | 73-139 | | | 1,2-Dichloroethane-d4 | 99 | 73-145 | | |
| Toluene-d8 | 100 | 90-108 | | | 1,4-Bromofluorobenzene | 102 | 71-113 | | |

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



Analytical Report



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

Date Received: 11/16/07
Work Order No: 07-11-1266
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234

Page 2 of 3

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-25.5-B15 | 07-11-1266-4 | 11/15/07 | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116L02 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|---------|----------------|----|------|-------------------------------|---------|----------------|----|------|
| Benzene | 3.1 | 0.12 | 25 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.12 | 25 | |
| 1,2-Dibromoethane | ND | 0.12 | 25 | | Tert-Butyl Alcohol (TBA) | ND | 1.2 | 25 | |
| 1,2-Dichloroethane | ND | 0.12 | 25 | | Diisopropyl Ether (DIPE) | ND | 0.25 | 25 | |
| Ethylbenzene | 6.8 | 0.12 | 25 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.25 | 25 | |
| Toluene | 18 | 0.12 | 25 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.25 | 25 | |
| Xylenes (total) | 36 | 0.12 | 25 | | Ethanol | ND | 6.2 | 25 | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 96 | 73-139 | | | 1,2-Dichloroethane-d4 | 100 | 73-145 | | |
| Toluene-d8 | 100 | 90-108 | | | 1,4-Bromofluorobenzene | 102 | 71-113 | | |

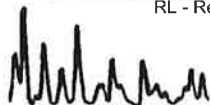
| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-30.5-B15 | 07-11-1266-5 | 11/15/07 | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116L02 |

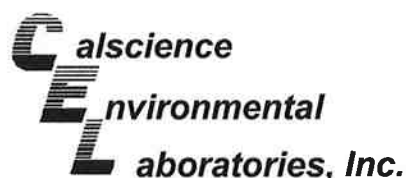
| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|---------|----------------|----|------|-------------------------------|---------|----------------|----|------|
| Benzene | 2.9 | 0.25 | 50 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.25 | 50 | |
| 1,2-Dibromoethane | ND | 0.25 | 50 | | Tert-Butyl Alcohol (TBA) | ND | 2.5 | 50 | |
| 1,2-Dichloroethane | ND | 0.25 | 50 | | Diisopropyl Ether (DIPE) | ND | 0.50 | 50 | |
| Ethylbenzene | 1.5 | 0.25 | 50 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.50 | 50 | |
| Toluene | 5.6 | 0.25 | 50 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.50 | 50 | |
| Xylenes (total) | 20 | 0.25 | 50 | | Ethanol | ND | 12 | 50 | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 97 | 73-139 | | | 1,2-Dichloroethane-d4 | 99 | 73-145 | | |
| Toluene-d8 | 98 | 90-108 | | | 1,4-Bromofluorobenzene | 103 | 71-113 | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|------------|---------------|---------------|-------------|
| S-35.5-B15 | 07-11-1266-6 | 11/15/07 | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|---------|----------------|----|------|-------------------------------|---------|----------------|----|------|
| Benzene | 0.28 | 0.12 | 25 | | Methyl-t-Butyl Ether (MTBE) | 0.26 | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | 0.25 | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | 0.26 | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | 0.21 | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | 0.79 | 0.0050 | 1 | | Ethanol | ND | 0.25 | 1 | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 99 | 73-139 | | | 1,2-Dichloroethane-d4 | 105 | 73-145 | | |
| Toluene-d8 | 99 | 90-108 | | | 1,4-Bromofluorobenzene | 103 | 71-113 | | |

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





Analytical Report

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

Date Received: 11/16/07
Work Order No: 07-11-1266
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: ExxonMobil 7-0234

Page 3 of 3

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|--------------------------|----------------|--------------|-----------------|-----------------|-----------------|------------------|
| Method Blank | 099-10-005-15,099 | N/A | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.0050 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.0050 | 1 | |
| 1,2-Dibromoethane | ND | 0.0050 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 0.050 | 1 | |
| 1,2-Dichloroethane | ND | 0.0050 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.010 | 1 | |
| Ethylbenzene | ND | 0.0050 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.010 | 1 | |
| Toluene | ND | 0.0050 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.010 | 1 | |
| Xylenes (total) | ND | 0.0050 | 1 | | Ethanol | ND | 0.25 | 1 | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 106 | 73-139 | | | 1,2-Dichloroethane-d4 | 126 | 73-145 | | |
| Toluene-d8 | 101 | 90-108 | | | 1,4-Bromofluorobenzene | 106 | 71-113 | | |

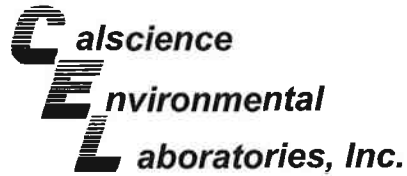
| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|--------------------------|----------------|--------------|-----------------|-----------------|-----------------|------------------|
| Method Blank | 099-10-005-15,102 | N/A | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116L02 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.12 | 25 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.12 | 25 | |
| 1,2-Dibromoethane | ND | 0.12 | 25 | | Tert-Butyl Alcohol (TBA) | ND | 1.2 | 25 | |
| 1,2-Dichloroethane | ND | 0.12 | 25 | | Diisopropyl Ether (DIPE) | ND | 0.25 | 25 | |
| Ethylbenzene | ND | 0.12 | 25 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.25 | 25 | |
| Toluene | ND | 0.12 | 25 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.25 | 25 | |
| Xylenes (total) | ND | 0.12 | 25 | | Ethanol | ND | 6.2 | 25 | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 104 | 73-139 | | | 1,2-Dichloroethane-d4 | 117 | 73-145 | | |
| Toluene-d8 | 99 | 90-108 | | | 1,4-Bromofluorobenzene | 104 | 71-113 | | |

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|--------------------------|----------------|--------------|-----------------|-----------------|-----------------|------------------|
| Method Blank | 099-10-005-15,104 | N/A | Solid | GC/MS JJ | 11/16/07 | 11/17/07 | 071116L04 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.12 | 25 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.12 | 25 | |
| 1,2-Dibromoethane | ND | 0.12 | 25 | | Tert-Butyl Alcohol (TBA) | ND | 1.2 | 25 | |
| 1,2-Dichloroethane | ND | 0.12 | 25 | | Diisopropyl Ether (DIPE) | ND | 0.25 | 25 | |
| Ethylbenzene | ND | 0.12 | 25 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.25 | 25 | |
| Toluene | ND | 0.12 | 25 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.25 | 25 | |
| Xylenes (total) | ND | 0.12 | 25 | | Ethanol | ND | 6.2 | 25 | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 103 | 73-139 | | | 1,2-Dichloroethane-d4 | 113 | 73-145 | | |
| Toluene-d8 | 100 | 90-108 | | | 1,4-Bromofluorobenzene | 104 | 71-113 | | |

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



Quality Control - Spike/Spike Duplicate



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

Date Received: 11/16/07
Work Order No: 07-11-1266
Preparation: EPA 5030B
Method: EPA 8015B (M)

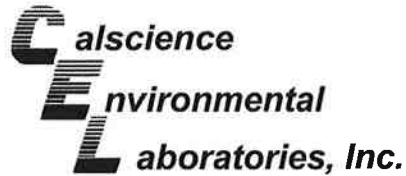
Project ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| S-10.5-B15 | Solid | GC 4 | 11/16/07 | 11/16/07 | 071116S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|---------|----------|---------|-----|--------|------------|
| TPH as Gasoline | 82 | 77 | 48-114 | 7 | 0-23 | |

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



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

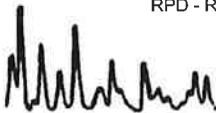
Date Received: 11/16/07
Work Order No: 07-11-1266
Preparation: EPA 5030B
Method: EPA 8260B

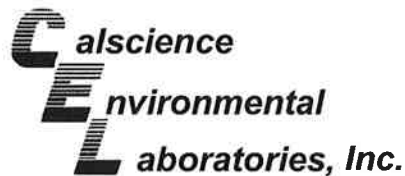
Project ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| 07-11-1129-9 | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene | 88 | 90 | 79-115 | 1 | 0-13 | |
| Carbon Tetrachloride | 113 | 115 | 55-139 | 2 | 0-15 | |
| Chlorobenzene | 94 | 93 | 79-115 | 1 | 0-17 | |
| 1,2-Dibromoethane | 96 | 94 | 70-130 | 2 | 0-30 | |
| 1,2-Dichlorobenzene | 94 | 94 | 63-123 | 1 | 0-23 | |
| 1,1-Dichloroethene | 100 | 103 | 69-123 | 3 | 0-16 | |
| Ethylbenzene | 98 | 97 | 70-130 | 1 | 0-30 | |
| Toluene | 92 | 93 | 79-115 | 2 | 0-15 | |
| Trichloroethene | 95 | 95 | 66-144 | 0 | 0-14 | |
| Vinyl Chloride | 95 | 100 | 60-126 | 4 | 0-14 | |
| Methyl-t-Butyl Ether (MTBE) | 104 | 107 | 68-128 | 3 | 0-14 | |
| Tert-Butyl Alcohol (TBA) | 107 | 100 | 44-134 | 7 | 0-37 | |
| Diisopropyl Ether (DIPE) | 100 | 101 | 75-123 | 2 | 0-12 | |
| Ethyl-t-Butyl Ether (ETBE) | 107 | 109 | 75-117 | 2 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 106 | 108 | 79-115 | 1 | 0-12 | |
| Ethanol | 93 | 81 | 42-138 | 14 | 0-28 | |

RPD - Relative Percent Difference, CL - Control Limit





Quality Control - Spike/Spike Duplicate



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

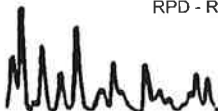
Date Received: 11/16/07
Work Order No: 07-11-1266
Preparation: EPA 5030B
Method: EPA 8260B

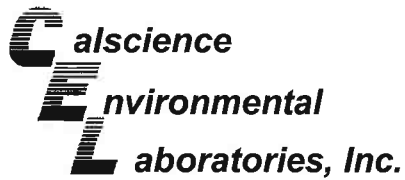
Project ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|---------------------|
| 07-11-0974-1 | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116S02 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene | 90 | 89 | 79-115 | 1 | 0-13 | |
| Carbon Tetrachloride | 103 | 102 | 55-139 | 1 | 0-15 | |
| Chlorobenzene | 90 | 93 | 79-115 | 2 | 0-17 | |
| 1,2-Dibromoethane | 94 | 96 | 70-130 | 1 | 0-30 | |
| 1,2-Dichlorobenzene | 91 | 92 | 63-123 | 1 | 0-23 | |
| 1,1-Dichloroethene | 93 | 94 | 69-123 | 1 | 0-16 | |
| Ethylbenzene | 91 | 93 | 70-130 | 3 | 0-30 | |
| Toluene | 92 | 90 | 79-115 | 2 | 0-15 | |
| Trichloroethene | 92 | 93 | 66-144 | 0 | 0-14 | |
| Vinyl Chloride | 87 | 89 | 60-126 | 2 | 0-14 | |
| Methyl-t-Butyl Ether (MTBE) | 107 | 105 | 68-128 | 2 | 0-14 | |
| Tert-Butyl Alcohol (TBA) | 88 | 94 | 44-134 | 6 | 0-37 | |
| Diisopropyl Ether (DIPE) | 99 | 100 | 75-123 | 1 | 0-12 | |
| Ethyl-t-Butyl Ether (ETBE) | 107 | 111 | 75-117 | 3 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 109 | 107 | 79-115 | 1 | 0-12 | |
| Ethanol | 86 | 86 | 42-138 | 0 | 0-28 | |

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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

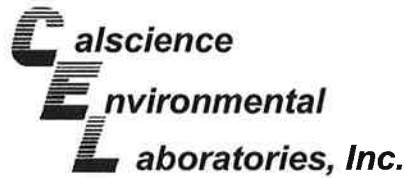
Date Received: N/A
Work Order No: 07-11-1266
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-279-1,314 | Solid | GC 4 | 11/16/07 | 11/16/07 | 071116B02 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|----------|-----------|---------|-----|--------|------------|
| TPH as Gasoline | 113 | 112 | 70-124 | 1 | 0-18 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

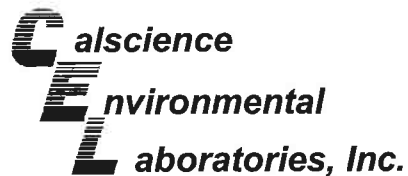
Date Received: N/A
Work Order No: 07-11-1266
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-12-279-1,313 | Solid | GC 4 | 11/16/07 | 11/16/07 | 071116B01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|----------|-----------|---------|-----|--------|------------|
| TPH as Gasoline | 113 | 112 | 70-124 | 1 | 0-18 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

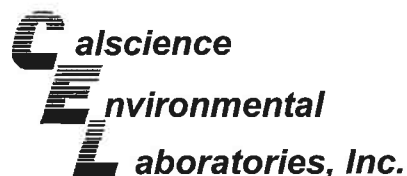
Date Received: N/A
Work Order No: 07-11-1266
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-10-005-15,099 | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene | 95 | 93 | 84-114 | 3 | 0-7 | |
| Carbon Tetrachloride | 121 | 122 | 66-132 | 0 | 0-12 | |
| Chlorobenzene | 98 | 97 | 87-111 | 1 | 0-7 | |
| 1,2-Dibromoethane | 99 | 96 | 80-120 | 3 | 0-20 | |
| 1,2-Dichlorobenzene | 100 | 101 | 79-115 | 1 | 0-8 | |
| 1,1-Dichloroethene | 107 | 104 | 73-121 | 3 | 0-12 | |
| Ethylbenzene | 103 | 103 | 80-120 | 1 | 0-20 | |
| Toluene | 98 | 96 | 78-114 | 2 | 0-7 | |
| Trichloroethene | 105 | 100 | 84-114 | 5 | 0-8 | |
| Vinyl Chloride | 101 | 104 | 63-129 | 3 | 0-15 | |
| Methyl-t-Butyl Ether (MTBE) | 108 | 105 | 77-125 | 3 | 0-11 | |
| Tert-Butyl Alcohol (TBA) | 93 | 98 | 47-137 | 5 | 0-27 | |
| Diisopropyl Ether (DIPE) | 103 | 101 | 76-130 | 1 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 106 | 107 | 76-124 | 1 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 105 | 103 | 82-118 | 2 | 0-11 | |
| Ethanol | 89 | 104 | 59-131 | 15 | 0-21 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

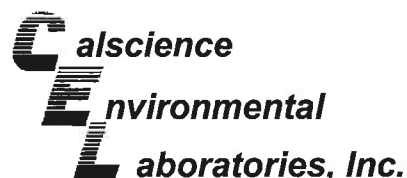
Date Received: N/A
Work Order No: 07-11-1266
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-10-005-15,102 | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116L02 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene | 95 | 93 | 84-114 | 3 | 0-7 | |
| Carbon Tetrachloride | 121 | 122 | 66-132 | 0 | 0-12 | |
| Chlorobenzene | 98 | 97 | 87-111 | 1 | 0-7 | |
| 1,2-Dibromoethane | 99 | 96 | 80-120 | 3 | 0-20 | |
| 1,2-Dichlorobenzene | 100 | 101 | 79-115 | 1 | 0-8 | |
| 1,1-Dichloroethene | 107 | 104 | 73-121 | 3 | 0-12 | |
| Ethylbenzene | 103 | 103 | 80-120 | 1 | 0-20 | |
| Toluene | 98 | 96 | 78-114 | 2 | 0-7 | |
| Trichloroethene | 105 | 100 | 84-114 | 5 | 0-8 | |
| Vinyl Chloride | 101 | 104 | 63-129 | 3 | 0-15 | |
| Methyl-t-Butyl Ether (MTBE) | 108 | 105 | 77-125 | 3 | 0-11 | |
| Tert-Butyl Alcohol (TBA) | 93 | 98 | 47-137 | 5 | 0-27 | |
| Diisopropyl Ether (DIPE) | 103 | 101 | 76-130 | 1 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 106 | 107 | 76-124 | 1 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 105 | 103 | 82-118 | 2 | 0-11 | |
| Ethanol | 89 | 104 | 59-131 | 15 | 0-21 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

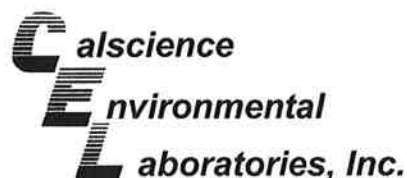
Date Received: N/A
Work Order No: 07-11-1266
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|--------|------------|---------------|---------------|-----------------------|
| 099-10-005-15,104 | Solid | GC/MS JJ | 11/16/07 | 11/16/07 | 071116L04 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene | 97 | 100 | 84-114 | 2 | 0-7 | |
| Carbon Tetrachloride | 116 | 113 | 66-132 | 3 | 0-12 | |
| Chlorobenzene | 99 | 97 | 87-111 | 2 | 0-7 | |
| 1,2-Dibromoethane | 99 | 102 | 80-120 | 3 | 0-20 | |
| 1,2-Dichlorobenzene | 95 | 98 | 79-115 | 3 | 0-8 | |
| 1,1-Dichloroethene | 105 | 104 | 73-121 | 1 | 0-12 | |
| Ethylbenzene | 101 | 102 | 80-120 | 1 | 0-20 | |
| Toluene | 98 | 100 | 78-114 | 2 | 0-7 | |
| Trichloroethene | 105 | 103 | 84-114 | 2 | 0-8 | |
| Vinyl Chloride | 106 | 104 | 63-129 | 2 | 0-15 | |
| Methyl-t-Butyl Ether (MTBE) | 107 | 105 | 77-125 | 2 | 0-11 | |
| Tert-Butyl Alcohol (TBA) | 102 | 106 | 47-137 | 4 | 0-27 | |
| Diisopropyl Ether (DIPE) | 102 | 103 | 76-130 | 1 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 108 | 109 | 76-124 | 1 | 0-12 | |
| Tert-Amyl-Methyl Ether (TAME) | 104 | 108 | 82-118 | 4 | 0-11 | |
| Ethanol | 109 | 93 | 59-131 | 15 | 0-21 | |

RPD - Relative Percent Difference, CL - Control Limit



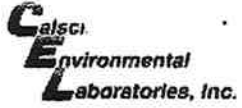
Glossary of Terms and Qualifiers



Work Order Number: 07-11-1266

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





7440 LINCOLN WAY
 GARDEN GROVE, CA 92841-1432
 TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY ORD

DATE: 11-15-07
 PAGE: 1 OF 1

LABORATORY CLIENT: **Exxon Mobil Refining & Supply - Global Remediation**
 ADDRESS: **c/o Environmental Resolutions, Inc. 601 North McDowell Blvd. Petaluma, California 94954**
 TEL: (707) 766-2000 FAX: (707) 789-0414 E-MAIL: norcallabs@eri-us.com

CLIENT PROJECT NAME / NUMBER: **247603X / 7-0234**
 PROJECT CONTACT: **Paula Sime/ERI**
 SAMPLER(S) (SIGNATURE):

P.O. NO.:
 QUOTE NO.:
 LAB USE ONLY:

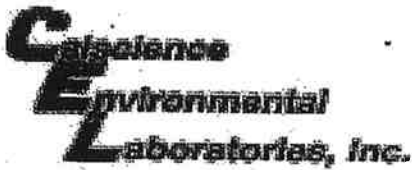
TURNAROUND TIME
 SAME DAY 24 HR 48HR 72 HR 5 DAYS 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
 Send EDF report / Global ID: T06019757161

SPECIAL INSTRUCTIONS
 Use Silica Gel Cleanup for all TPHd analyses.
 Set TBA reporting limit at or below 12 ug/L.
 Oxygenates: MTBE, ETBE, TAME, DIPE, TBA
 Lead Scavengers: 1,2-DCA, EDB

| LAB USE ONLY | SAMPLE ID | LOCATION/ DESCRIPTION | SAMPLING | | Matrix | #Cont | TPHd by 8015B | TPHg by 8015B | Methanol by 8015B | BTEX by 8260B | Oxygenates by 8260B | Lead Scavengers by 8260B | Ethanol by 8260B | Total Lead by 6010B |
|--------------|--------------|-----------------------|----------|------|--------|-------|---------------|---------------|-------------------|---------------|---------------------|--------------------------|------------------|---------------------|
| | | | DATE | TIME | | | | | | | | | | |
| | 1 S-10.5-B15 | B15 | 11-15-07 | 8:05 | S | 1 | X | X | X | X | X | X | | |
| | 2 S-15.5-B15 | B15 | | 8:15 | S | 1 | X | X | X | X | X | X | | |
| | 3 S-20-B15 | B15 | | 8:20 | S | 1 | X | X | X | X | X | X | | |
| | 4 S-25.5-B15 | B15 | | 8:25 | S | 1 | X | X | X | X | X | X | | |
| | 5 S-30.5-B15 | B15 | | 8:35 | S | 1 | X | X | X | X | X | X | | |
| | 6 S-35.5-B15 | B15 | | 8:50 | S | 1 | X | X | X | X | X | X | | |

Relinquished by: (Signature) Received by: (Signature) Date: 11-15-07 Time: 10:55
 Relinquished by: (Signature) Received by: (Signature) Date: 11-16-07 Time: 10:15
 Relinquished by: (Signature) Received by: (Signature) Date: Time:



WORK ORDER #: 07 - 11 - 1266

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: ERI

DATE: 11/16/07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
Chilled, cooler without temperature blank.
Chilled and placed in cooler with wet ice.
Ambient and placed in cooler with wet ice.
Ambient temperature.
°C Temperature blank.

LABORATORY (Other than Calscience Courier):

- 2.1 °C Temperature blank.
°C IR thermometer.
Ambient temperature.

Initial: NC

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact): Not Present: [checked]

Initial: NC

SAMPLE CONDITION:

Table with 4 columns: Description, Yes, No, N/A. Rows include Chain-Of-Custody document(s), Sampler's name, Sample container label(s), Sample container(s) intact, Correct containers and volume, Proper preservation, VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: NC

COMMENTS:

Multiple horizontal lines for handwritten comments.

28 September, 2007

Paula Sime
Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma, CA 94954

RE: Exxon 7-0234
Work Order: MQI0358

Enclosed are the results of analyses for samples received by the laboratory on 09/13/07 16:40. The samples arrived at a temperature of 5° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Tim Rhiney
Project Manager

CA ELAP Certificate #1210

Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma CA, 94954

Project: Exxon 7-0234
Project Number: Exxon 7-0234
Project Manager: Paula Sime

MQI0358
Reported:
09 28 07 15:26

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---------------------|---------------|--------|----------------|----------------|
| SP-1(S-SP1---S-SP4) | MQI0358-01 | Soil | 09 12 07 15:45 | 09 13 07 16:40 |

| | | |
|---|--|---|
| Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954 | Project: Exxon 7-0234 Project Number: Exxon 7-0234 Project Manager: Paula Sime | MQI0358 Reported: 09 28 07 15:26 |
|---|--|---|

SP-1(S-SP1--S-SP4) (MQI0358-01) Soil Sampled: 09/12/07 15:45 Received: 09/13/07 16:40

Purgeable Hydrocarbons by EPA 8015B

TestAmerica - Morgan Hill, CA

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|--------|----------|---------|----------|----------|---------------|-------|
| Gasoline Range Organics (C4-C12) | ND | 0.10 | mg kg | 1 | 7117015 | 09 17 07 | 09 17 07 | EPA 8015B-VOA | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 84 % | 60-145 | | " | " | " | " | |

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Morgan Hill, CA

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Lead | 7.2 | 5.0 | mg kg | 1 | 7118026 | 09 18 07 | 09 19 07 | EPA 6010B | |

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0050 | mg kg | 1 | 7117017 | 09 17 07 | 09 18 07 | EPA 8260B | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| <i>Surrogate: Dibromofluoromethane</i> | | 99 % | 70-120 | | " | " | " | " | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 100 % | 65-135 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 92 % | 75-120 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 80 % | 60-120 | | " | " | " | " | |
| tert-Amyl methyl ether | ND | 0.0050 | " | " | " | " | " | " | |
| tert-Butyl alcohol | ND | 0.020 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 0.0050 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.0050 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.0050 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 0.0050 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 0.0050 | " | " | " | " | " | " | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 100 % | 65-135 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 80 % | 60-120 | | " | " | " | " | |
| <i>Surrogate: Dibromofluoromethane</i> | | 99 % | 70-120 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 92 % | 75-120 | | " | " | " | " | |

TestAmerica - Morgan Hill, CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Environmental Resolutions (Exxon)
601 North McDowell Blvd,
Petaluma CA, 94954

Project: Exxon 7-0234
Project Number: Exxon 7-0234
Project Manager: Paula Sime

MQI0358
Reported:
09 28 07 15:26

Purgeable Hydrocarbons by EPA 8015B - Quality Control TestAmerica - Morgan Hill, CA

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %RBC Limits | RPD | RPD Limit | Notes |
|--|--------|---------------------|-------|----------------|------------------|----------------|-----|--------------|-------|
| Batch 7I17015 - EPA 5030B [P/T] | | | | | | | | | |
| Blank (7I17015-BLK1) | | | | | | | | | |
| Prepared & Analyzed: 09 17 07 | | | | | | | | | |
| Gasoline Range Organics (C4-C12) | ND | 0.05 | mg kg | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0732 | | " | 0.0800 | | 92 | | 60-145 | |
| LCS (7I17015-BS1) | | | | | | | | | |
| Prepared & Analyzed: 09 17 07 | | | | | | | | | |
| Gasoline Range Organics (C4-C12) | 0.220 | 0.10 | mg kg | 0.275 | | 80 | | 70-130 | |
| Surrogate: 4-Bromofluorobenzene | 0.0730 | | " | 0.0800 | | 91 | | 60-145 | |
| Matrix Spike (7I17015-MS1) | | | | | | | | | |
| Source: MQI0358-01 Prepared & Analyzed: 09 17 07 | | | | | | | | | |
| Gasoline Range Organics (C4-C12) | 0.196 | 0.10 | mg kg | 0.275 | ND | 71 | | 70-130 | |
| Surrogate: 4-Bromofluorobenzene | 0.0682 | | " | 0.0800 | | 85 | | 60-145 | |
| Matrix Spike Dup (7I17015-MSD1) | | | | | | | | | |
| Source: MQI0358-01 Prepared & Analyzed: 09 17 07 | | | | | | | | | |
| Gasoline Range Organics (C4-C12) | 0.214 | 0.10 | mg kg | 0.275 | ND | 78 | 9 | 70-130 | 25 |
| Surrogate: 4-Bromofluorobenzene | 0.0713 | | " | 0.0800 | | 89 | | 60-145 | |

| | | |
|---|--|---|
| Environmental Resolutions (Exxon) 601 North McDowell Blvd, Petaluma CA, 94954 | Project: Exxon 7-0234 Project Number: Exxon 7-0234 Project Manager: Paula Sime | MQI0358 Reported: 09 28 07 15:26 |
|---|--|---|

Total Metals by EPA 6000/7000 Series Methods - Quality Control
TestAmerica - Morgan Hill, CA

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|---------------------|-------|----------------|--|----------------|--------|--------------|-------|
| Batch 7I18026 - EPA 3050B | | | | | | | | | |
| Blank (7I18026-BLK1) | | | | | Prepared: 09 18 07 Analyzed: 09 19 07 | | | | |
| Lead | ND | 2.5 | mg kg | | | | | | |
| LCS (7I18026-BS1) | | | | | Prepared: 09 18 07 Analyzed: 09 19 07 | | | | |
| Lead | 47.7 | 5.0 | mg kg | 50.0 | 95 | 80-115 | | | |
| Matrix Spike (7I18026-MS1) | | | | | Source: MQI0405-01 Prepared: 09 18 07 Analyzed: 09 19 07 | | | | |
| Lead | 53.3 | 5.0 | mg kg | 50.0 | 8.65 | 89 | 80-115 | | |
| Matrix Spike Dup (7I18026-MSD1) | | | | | Source: MQI0405-01 Prepared: 09 18 07 Analyzed: 09 19 07 | | | | |
| Lead | 51.2 | 5.0 | mg kg | 50.0 | 8.65 | 85 | 80-115 | 4 | 35 |

Environmental Resolutions (Exxon)
601 North McDowell Blvd,
Petaluma CA, 94954

Project: Exxon 7-0234
Project Number: Exxon 7-0234
Project Manager: Paula Sime

MQI0358
Reported:
09 28 07 15:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control TestAmerica - Morgan Hill, CA

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %RBC | %RBC Limits | RPD | RPD Limit | Notes |
|---------|--------|------------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|------------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 7I17017 - EPA 5030B P/T

Blank (7I17017-BLK1)

Prepared & Analyzed: 09 17 07

| | | | | | | | | | | |
|----------------------------------|---------|--------|-------|---------|--|----|--------|--|--|--|
| tert-Amyl methyl ether | ND | 0.0025 | mg kg | | | | | | | |
| Benzene | ND | 0.0025 | " | | | | | | | |
| tert-Butyl alcohol | ND | 0.01 | " | | | | | | | |
| Di-isopropyl ether | ND | 0.0025 | " | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.0025 | " | | | | | | | |
| 1,2-Dichloroethane | ND | 0.0025 | " | | | | | | | |
| Ethyl tert-butyl ether | ND | 0.0025 | " | | | | | | | |
| Ethylbenzene | ND | 0.0025 | " | | | | | | | |
| Methyl tert-butyl ether | ND | 0.0025 | " | | | | | | | |
| Toluene | ND | 0.0025 | " | | | | | | | |
| Xylenes (total) | ND | 0.0025 | " | | | | | | | |
| <hr/> | | | | | | | | | | |
| Surrogate: Dibromofluoromethane | 0.00472 | | " | 0.00500 | | 94 | 70-120 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.00474 | | " | 0.00500 | | 95 | 65-135 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.00474 | | " | 0.00500 | | 95 | 65-135 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.00422 | | " | 0.00500 | | 84 | 60-120 | | | |
| Surrogate: Toluene-d8 | 0.00468 | | " | 0.00500 | | 94 | 75-120 | | | |
| Surrogate: Dibromofluoromethane | 0.00472 | | " | 0.00500 | | 94 | 70-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.00422 | | " | 0.00500 | | 84 | 60-120 | | | |
| Surrogate: Toluene-d8 | 0.00468 | | " | 0.00500 | | 94 | 75-120 | | | |

LCS (7I17017-BS1)

Prepared & Analyzed: 09 17 07

| | | | | | | | | | | |
|-------------------------|--------|--------|-------|--------|--|----|--------|--|--|--|
| tert-Amyl methyl ether | 0.0178 | 0.0050 | mg kg | 0.0200 | | 89 | 70-130 | | | |
| Benzene | 0.0179 | 0.0050 | " | 0.0200 | | 90 | 70-130 | | | |
| tert-Butyl alcohol | 0.358 | 0.020 | " | 0.400 | | 89 | 70-130 | | | |
| Di-isopropyl ether | 0.0178 | 0.0050 | " | 0.0200 | | 89 | 70-130 | | | |
| 1,2-Dibromoethane (EDB) | 0.0181 | 0.0050 | " | 0.0200 | | 91 | 70-130 | | | |
| 1,2-Dichloroethane | 0.0180 | 0.0050 | " | 0.0200 | | 90 | 70-130 | | | |
| Ethyl tert-butyl ether | 0.0182 | 0.0050 | " | 0.0200 | | 91 | 70-130 | | | |
| Ethylbenzene | 0.0194 | 0.0050 | " | 0.0200 | | 97 | 70-130 | | | |
| Methyl tert-butyl ether | 0.0176 | 0.0050 | " | 0.0200 | | 88 | 70-130 | | | |
| Toluene | 0.0188 | 0.0050 | " | 0.0200 | | 94 | 70-130 | | | |

TestAmerica - Morgan Hill, CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma CA, 94954

Project: Exxon 7-0234
Project Number: Exxon 7-0234
Project Manager: Paula Sime

MQI0358
Reported:
09 28 07 15:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control TestAmerica - Morgan Hill, CA

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|------------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|------------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 7I17017 - EPA 5030B P/T

LCS (7I17017-BS1)

Prepared & Analyzed: 09 17 07

| | | | | | | | | | | |
|----------------------------------|---------|--------|-------|---------|--|----|--------|--|--|--|
| Xylenes (total) | 0.0592 | 0.0050 | mg kg | 0.0600 | | 99 | 70-130 | | | |
| Surrogate: Dibromofluoromethane | 0.00496 | | " | 0.00500 | | 99 | 70-120 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.00492 | | " | 0.00500 | | 98 | 65-135 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.00492 | | " | 0.00500 | | 98 | 65-135 | | | |
| Surrogate: Toluene-d8 | 0.00478 | | " | 0.00500 | | 96 | 75-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.00470 | | " | 0.00500 | | 94 | 60-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.00470 | | " | 0.00500 | | 94 | 60-120 | | | |
| Surrogate: Dibromofluoromethane | 0.00496 | | " | 0.00500 | | 99 | 70-120 | | | |
| Surrogate: Toluene-d8 | 0.00478 | | " | 0.00500 | | 96 | 75-120 | | | |

Matrix Spike (7I17017-MS1)

Source: MQI0406-01

Prepared & Analyzed: 09 17 07

| | | | | | | | | | | |
|----------------------------------|---------|--------|-------|---------|-----------|-----|--------|--|--|--|
| tert-Amyl methyl ether | 0.0213 | 0.0050 | mg kg | 0.0200 | ND | 107 | 70-130 | | | |
| Benzene | 0.0188 | 0.0050 | " | 0.0200 | 0.0000800 | 94 | 70-130 | | | |
| tert-Butyl alcohol | 0.373 | 0.020 | " | 0.400 | ND | 93 | 70-130 | | | |
| Di-isopropyl ether | 0.0201 | 0.0050 | " | 0.0200 | ND | 100 | 70-130 | | | |
| 1,2-Dibromoethane (EDB) | 0.0195 | 0.0050 | " | 0.0200 | ND | 98 | 70-130 | | | |
| 1,2-Dichloroethane | 0.0197 | 0.0050 | " | 0.0200 | ND | 99 | 70-130 | | | |
| Ethyl tert-butyl ether | 0.0202 | 0.0050 | " | 0.0200 | ND | 101 | 70-130 | | | |
| Ethylbenzene | 0.0206 | 0.0050 | " | 0.0200 | ND | 103 | 70-130 | | | |
| Methyl tert-butyl ether | 0.0209 | 0.0050 | " | 0.0200 | 0.000420 | 103 | 70-130 | | | |
| Toluene | 0.0196 | 0.0050 | " | 0.0200 | ND | 98 | 70-130 | | | |
| Xylenes (total) | 0.0633 | 0.0050 | " | 0.0600 | ND | 105 | 70-130 | | | |
| Surrogate: Dibromofluoromethane | 0.00496 | | " | 0.00500 | | 99 | 70-120 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.00498 | | " | 0.00500 | | 100 | 65-135 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.00498 | | " | 0.00500 | | 100 | 65-135 | | | |
| Surrogate: Toluene-d8 | 0.00490 | | " | 0.00500 | | 98 | 75-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.00464 | | " | 0.00500 | | 93 | 60-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.00464 | | " | 0.00500 | | 93 | 60-120 | | | |
| Surrogate: Dibromofluoromethane | 0.00496 | | " | 0.00500 | | 99 | 70-120 | | | |
| Surrogate: Toluene-d8 | 0.00490 | | " | 0.00500 | | 98 | 75-120 | | | |

TestAmerica - Morgan Hill, CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Environmental Resolutions (Exxon)
601 North McDowell Blvd,
Petaluma CA, 94954

Project: Exxon 7-0234
Project Number: Exxon 7-0234
Project Manager: Paula Sime

MQI0358
Reported:
09 28 07 15:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control TestAmerica - Morgan Hill, CA

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|------------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|------------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 7I17017 - EPA 5030B P/T

Matrix Spike Dup (7I17017-MSD1)

Source: MQI0406-01

Prepared & Analyzed: 09 17 07

| | | | | | | | | | | |
|----------------------------------|---------|--------|-------|---------|-----------|-----|--------|-----|----|--|
| tert-Amyl methyl ether | 0.0202 | 0.0050 | mg kg | 0.0200 | ND | 101 | 70-130 | 6 | 25 | |
| Benzene | 0.0188 | 0.0050 | " | 0.0200 | 0.0000800 | 94 | 70-130 | 0.2 | 25 | |
| tert-Butyl alcohol | 0.390 | 0.020 | " | 0.400 | ND | 98 | 70-130 | 4 | 25 | |
| Di-isopropyl ether | 0.0193 | 0.0050 | " | 0.0200 | ND | 96 | 70-130 | 4 | 25 | |
| 1,2-Dibromoethane (EDB) | 0.0180 | 0.0050 | " | 0.0200 | ND | 90 | 70-130 | 8 | 25 | |
| 1,2-Dichloroethane | 0.0186 | 0.0050 | " | 0.0200 | ND | 93 | 70-130 | 6 | 25 | |
| Ethyl tert-butyl ether | 0.0194 | 0.0050 | " | 0.0200 | ND | 97 | 70-130 | 4 | 25 | |
| Ethylbenzene | 0.0205 | 0.0050 | " | 0.0200 | ND | 102 | 70-130 | 0.7 | 25 | |
| Methyl tert-butyl ether | 0.0189 | 0.0050 | " | 0.0200 | 0.000420 | 92 | 70-130 | 10 | 25 | |
| Toluene | 0.0192 | 0.0050 | " | 0.0200 | ND | 96 | 70-130 | 2 | 25 | |
| Xylenes (total) | 0.0626 | 0.0050 | " | 0.0600 | ND | 104 | 70-130 | 1 | 25 | |
| Surrogate: Dibromofluoromethane | 0.00376 | | " | 0.00500 | | 75 | 70-120 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.00484 | | " | 0.00500 | | 97 | 65-135 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.00484 | | " | 0.00500 | | 97 | 65-135 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.00452 | | " | 0.00500 | | 90 | 60-120 | | | |
| Surrogate: Toluene-d8 | 0.00484 | | " | 0.00500 | | 97 | 75-120 | | | |
| Surrogate: Dibromofluoromethane | 0.00376 | | " | 0.00500 | | 75 | 70-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.00452 | | " | 0.00500 | | 90 | 60-120 | | | |
| Surrogate: Toluene-d8 | 0.00484 | | " | 0.00500 | | 97 | 75-120 | | | |

Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma CA, 94954

Project: Exxon 7-0234
Project Number: Exxon 7-0234
Project Manager: Paula Sime

MQ10358
Reported:
09 28 07 15:26

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

CHAIN OF CUSTODY RECORD

MQI0358



408-776-9600

Morgan Hill Division

885 Jarvis Drive

Morgan Hill, CA 95037



Consultant Name: Environmental Resolutions, Inc.

Address: 601 North McDowell Boulevard

City/State/Zip: Petaluma, California 94954

Project Manager: Paula Sime

Telephone Number: 707-766-2000

ERI Job Number: 247603X

Sampler Name: (Print) Rebekah Westrup

Sampler Signature: *Rebekah Westrup*

ExxonMobil Engineer Jennifer C. Sedlachek

Telephone Number (510) 547-8196

Account #: 10228

PO #:

Facility ID # 7-0234

Global ID#

Site Address 3450 35th Ave

City, State Zip OAKLAND, CA

Shipping Method: Lab Courier Hand Deliver Commercial Express Other:

TAT
 24 hour 72 hour
 48 hour 96 hour
 8 day

PROVIDE:
EDF Report

Special Instructions:
COMPOSITE S-SP1, S-SP2, S-SP3 and
S-SP4 into sample SP-1

| Sample ID / Description | DATE | TIME | COMP | GRAB | PRESERV | NUMBER | Matrix | | | | Analyze For: | | | | | | | | |
|-------------------------|---------|-------|------|------|---------|--------|--------|------|-------|--|--------------|---|---|---|---|--|--|--|--|
| | | | | | | | Water | Soil | Vapor | | | | | | | | | | |
| SP-1 / SP-1 | | | | | | | | | | | | | | | | | | | |
| SP-1 (S-SP1 - S-SP4) | 9-12-07 | 15:45 | | | ICE | 4 | X | | | | | X | X | X | X | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

Relinquished by: *Paula Sime* Date 9-13-07 Time 07:00 Received by: *Jennifer C. Sedlachek* (TAMH) Time 1240
 Relinquished by: *Sam* Date 9-13-07 Time 1640 Received by TestAmerica: *[Signature]* Time 1640

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

01

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: F.R.I.
 REC. BY (PRINT) DV.
 WORKORDER: MOI0358

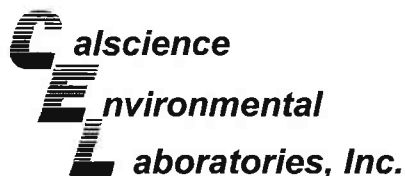
DATE REC'D AT LAB: 9/13/07
 TIME REC'D AT LAB: 1640
 DATE LOGGED IN: 9/14/07

For Regulatory Purposes?
 DRINKING WATER YES / **NO**
 WASTE WATER YES / NO

| CIRCLE THE APPROPRIATE RESPONSE | LAB SAMPLE # | CLIENT ID | CONTAINER DESCRIPTION | PRESERVATIVE | pH | SAMPLE MATRIX | DATE SAMPLED | REMARKS: CONDITION (ETC.) |
|---|--------------|-----------|-----------------------|--------------|----|---------------|--------------|---------------------------|
| 1. Custody Seal(s) Present / Absent Intact / Broken* | | | | | | | | / |
| 2. Chain-of-Custody Present / Absent* | | | | | | | | |
| 3. Traffic Reports or Packing List: Present / Absent | | | | | | | | |
| 4. Airbill: Airbill / Sticker Present / Absent | | | | | | | | |
| 5. Airbill #: | | | | | | | | |
| 6. Sample Labels: Present / Absent | | | | | | | | |
| 7. Sample IDs: Listed / Not Listed on Chain-of-Custody | | | | | | | | |
| 8. Sample Condition: Intact / Broken* / Leaking* | | | | | | | | |
| 9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No* | | | | | | | | |
| 10. Sample received within hold time? Yes / No* | | | | | | | | |
| 11. Adequate sample volume received? Yes / No* | | | | | | | | |
| 12. Proper preservatives used? Yes / No* | | | | | | | | |
| 13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No * | | | | | | | | |
| 14. Read Temp: <u>4.6°</u> Corrected Temp: <u>✓</u> Is corrected temp 4 +/-2°C? Yes / No** | | | | | | | | |

SACCO
9/13/07
DV

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.



November 14, 2007

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



Subject: Calscience Work Order No.: 07-11-0904
Client Reference: ExxonMobil 7-0234

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/13/2007 and analyzed in accordance with the attached chain-of-custody.

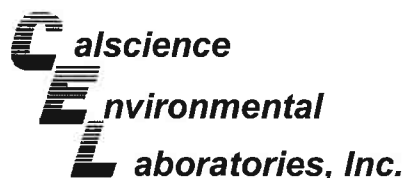
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows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

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

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager



Analytical Report



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

Date Received: 11/13/07
Work Order No: 07-11-0904
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|---------------------|-----------------|----------------|--------------|-----------------|-----------------|------------------|
| W-38-B18 | 07-11-0904-1 | 11/12/07 | Aqueous | GC 30 | 11/13/07 | 11/13/07 | 071113B02 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|------------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as Gasoline | 4300 | 1000 | 20 | | ug/L |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 99 | 38-134 | | | |

| | | | | | | | |
|-----------------|---------------------|-----------------|----------------|--------------|-----------------|-----------------|------------------|
| W-40-B13 | 07-11-0904-2 | 11/12/07 | Aqueous | GC 30 | 11/13/07 | 11/13/07 | 071113B02 |
|-----------------|---------------------|-----------------|----------------|--------------|-----------------|-----------------|------------------|

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|------------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as Gasoline | ND | 50 | 1 | | ug/L |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 92 | 38-134 | | | |

| | | | | | | | |
|---------------------|-------------------------|------------|----------------|--------------|-----------------|-----------------|------------------|
| Method Blank | 099-12-436-1,124 | N/A | Aqueous | GC 30 | 11/13/07 | 11/13/07 | 071113B02 |
|---------------------|-------------------------|------------|----------------|--------------|-----------------|-----------------|------------------|

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|------------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as Gasoline | ND | 50 | 1 | | ug/L |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 92 | 38-134 | | | |

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

Analytical Report

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

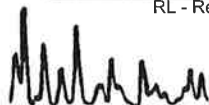
Date Received: 11/13/07
Work Order No: 07-11-0904
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

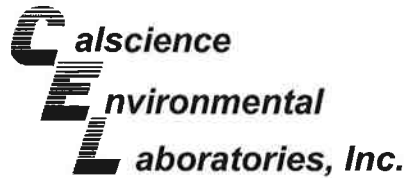
Project: ExxonMobil 7-0234

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID | | |
|-----------------------|-----------------------|-----------------|----------------|----------------|-------------------------------|-----------------|------------------|-----------|-------------|
| W-38-B18 | 07-11-0904-1 | 11/12/07 | Aqueous | GC/MS L | 11/14/07 | 11/14/07 | 071114L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | 52 | 12 | 25 | | Methyl-t-Butyl Ether (MTBE) | 1400 | 50 | 100 | |
| 1,2-Dibromoethane | ND | 12 | 25 | | Tert-Butyl Alcohol (TBA) | ND | 250 | 25 | |
| 1,2-Dichloroethane | ND | 12 | 25 | | Diisopropyl Ether (DIPE) | ND | 12 | 25 | |
| Ethylbenzene | 56 | 12 | 25 | | Ethyl-t-Butyl Ether (ETBE) | ND | 12 | 25 | |
| Toluene | ND | 12 | 25 | | Tert-Amyl-Methyl Ether (TAME) | ND | 12 | 25 | |
| Xylenes (total) | 96 | 12 | 25 | | Ethanol | ND | 1200 | 25 | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control</u> | | <u>Qual</u> | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control</u> | | <u>Qual</u> |
| | | <u>Limits</u> | | | | | <u>Limits</u> | | |
| 1,2-Dichloroethane-d4 | 126 | 73-157 | | | Dibromofluoromethane | 109 | 82-142 | | |
| Toluene-d8 | 104 | 82-112 | | | 1,4-Bromofluorobenzene | 106 | 75-105 | | 2 |
| W-40-B13 | 07-11-0904-2 | 11/12/07 | Aqueous | GC/MS L | 11/14/07 | 11/14/07 | 071114L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.50 | 1 | | Methyl-t-Butyl Ether (MTBE) | 0.53 | 0.50 | 1 | |
| 1,2-Dibromoethane | ND | 0.50 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 10 | 1 | |
| 1,2-Dichloroethane | ND | 0.50 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.50 | 1 | |
| Ethylbenzene | ND | 0.50 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.50 | 1 | |
| Toluene | ND | 0.50 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.50 | 1 | |
| Xylenes (total) | ND | 0.50 | 1 | | Ethanol | ND | 50 | 1 | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control</u> | | <u>Qual</u> | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control</u> | | <u>Qual</u> |
| | | <u>Limits</u> | | | | | <u>Limits</u> | | |
| 1,2-Dichloroethane-d4 | 123 | 73-157 | | | Dibromofluoromethane | 111 | 82-142 | | |
| Toluene-d8 | 104 | 82-112 | | | 1,4-Bromofluorobenzene | 102 | 75-105 | | |
| Method Blank | 099-10-025-414 | N/A | Aqueous | GC/MS L | 11/14/07 | 11/14/07 | 071114L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.50 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.50 | 1 | |
| 1,2-Dibromoethane | ND | 0.50 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 10 | 1 | |
| 1,2-Dichloroethane | ND | 0.50 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.50 | 1 | |
| Ethylbenzene | ND | 0.50 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.50 | 1 | |
| Toluene | ND | 0.50 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.50 | 1 | |
| Xylenes (total) | ND | 0.50 | 1 | | Ethanol | ND | 50 | 1 | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control</u> | | <u>Qual</u> | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control</u> | | <u>Qual</u> |
| | | <u>Limits</u> | | | | | <u>Limits</u> | | |
| 1,2-Dichloroethane-d4 | 120 | 73-157 | | | Dibromofluoromethane | 110 | 82-142 | | |
| Toluene-d8 | 103 | 82-112 | | | 1,4-Bromofluorobenzene | 94 | 75-105 | | |

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





Quality Control - Spike/Spike Duplicate

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

Date Received: 11/13/07
Work Order No: 07-11-0904
Preparation: EPA 5030B
Method: EPA 8015B (M)

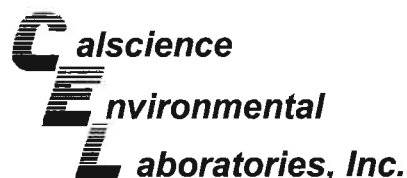
Project ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 07-11-0871-1 | Aqueous | GC 30 | 11/13/07 | 11/13/07 | 071113S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|---------|----------|---------|-----|--------|------------|
| TPH as Gasoline | 95 | 98 | 68-122 | 4 | 0-18 | |

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate

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

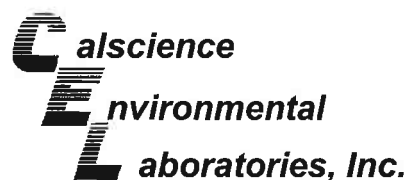
Date Received: 11/13/07
Work Order No: 07-11-0904
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| W-40-B13 | Aqueous | GC/MS L | 11/14/07 | 11/14/07 | 071114S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene | 108 | 107 | 86-122 | 1 | 0-8 | |
| Carbon Tetrachloride | 110 | 117 | 78-138 | 6 | 0-9 | |
| Chlorobenzene | 105 | 110 | 90-120 | 5 | 0-9 | |
| 1,2-Dibromoethane | 116 | 128 | 70-130 | 10 | 0-30 | |
| 1,2-Dichlorobenzene | 109 | 109 | 89-119 | 0 | 0-10 | |
| 1,1-Dichloroethene | 98 | 99 | 52-142 | 1 | 0-23 | |
| Ethylbenzene | 111 | 116 | 70-130 | 5 | 0-30 | |
| Toluene | 115 | 117 | 85-127 | 2 | 0-12 | |
| Trichloroethene | 107 | 106 | 78-126 | 1 | 0-10 | |
| Vinyl Chloride | 98 | 105 | 56-140 | 7 | 0-21 | |
| Methyl-t-Butyl Ether (MTBE) | 116 | 112 | 64-136 | 4 | 0-28 | |
| Tert-Butyl Alcohol (TBA) | 136 | 167 | 27-183 | 21 | 0-60 | |
| Diisopropyl Ether (DIPE) | 112 | 108 | 78-126 | 3 | 0-16 | |
| Ethyl-t-Butyl Ether (ETBE) | 117 | 115 | 67-133 | 1 | 0-21 | |
| Tert-Amyl-Methyl Ether (TAME) | 122 | 121 | 63-141 | 0 | 0-21 | |
| Ethanol | 13 | 158 | 11-167 | 169 | 0-64 | 4 |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate

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

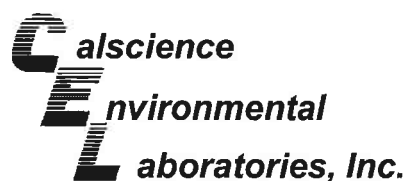
Date Received: N/A
Work Order No: 07-11-0904
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-12-436-1,124 | Aqueous | GC 30 | 11/13/07 | 11/13/07 | 071113B02 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|----------|-----------|---------|-----|--------|------------|
| TPH as Gasoline | 96 | 98 | 78-120 | 1 | 0-10 | |

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 07-11-0904
Preparation: EPA 5030B
Method: EPA 8260B

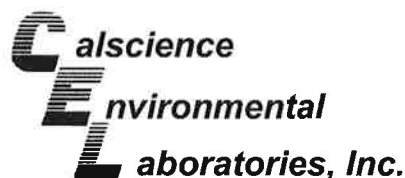
Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-10-025-414 | Aqueous | GC/MS L | 11/14/07 | 11/14/07 | 071114L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene | 101 | 102 | 87-117 | 1 | 0-7 | |
| Carbon Tetrachloride | 115 | 119 | 78-132 | 3 | 0-8 | |
| Chlorobenzene | 106 | 106 | 88-118 | 0 | 0-8 | |
| 1,2-Dibromoethane | 114 | 120 | 80-120 | 5 | 0-20 | |
| 1,2-Dichlorobenzene | 108 | 110 | 88-118 | 2 | 0-8 | |
| 1,1-Dichloroethene | 102 | 105 | 71-131 | 3 | 0-14 | |
| Ethylbenzene | 110 | 109 | 80-120 | 0 | 0-20 | |
| Toluene | 109 | 108 | 85-127 | 1 | 0-7 | |
| Trichloroethene | 106 | 105 | 85-121 | 1 | 0-11 | |
| Vinyl Chloride | 90 | 96 | 64-136 | 7 | 0-10 | |
| Methyl-t-Butyl Ether (MTBE) | 110 | 123 | 67-133 | 11 | 0-16 | |
| Tert-Butyl Alcohol (TBA) | 123 | 133 | 34-154 | 7 | 0-19 | |
| Diisopropyl Ether (DIPE) | 98 | 103 | 80-122 | 5 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 112 | 114 | 73-127 | 2 | 0-11 | |
| Tert-Amyl-Methyl Ether (TAME) | 119 | 127 | 69-135 | 7 | 0-12 | |
| Ethanol | 91 | 97 | 34-124 | 6 | 0-44 | |

RPD - Relative Percent Difference , CL - Control Limit





Glossary of Terms and Qualifiers

Work Order Number: 07-11-0904

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

A handwritten signature in black ink, appearing to be "M. M. M.", is located at the bottom left of the page.

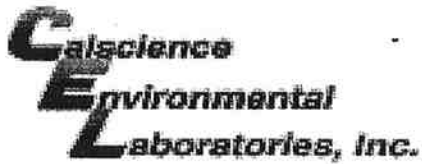


7440 LINCOLN WAY
 GARDEN GROVE, CA 92841-1432
 TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE: _____
 PAGE: 1 OF 1

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------|-------------------------------|---------------|--|--------|-----------------------------|---|--------------------------------|---|-----------------------|--------------------------|-------------------|---------------------|---------------------|--------------------------|------------------|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| LABORATORY CLIENT: Exxon Mobil Refining & Supply - Global Remediation | | | | CLIENT PROJECT NAME / NUMBER: 247603X / 7-0234 | | | | P.O. NO.: | | | | | | | | | | | | | | | | | | | | | | |
| ADDRESS: c/o Environmental Resolutions, Inc. 601 North McDowell Blvd. Petaluma, California 94954 | | | | PROJECT CONTACT: Paula Sime/ERI | | | | QUOTE NO.: | | | | | | | | | | | | | | | | | | | | | | |
| TEL: (707) 766-2000 | | FAX: (707) 789-0414 | | E-MAIL: norcallabs@eri-us.com | | SAMPLER(S) (SIGNATURE): | | LAB USE ONLY 11-0904 | | | | | | | | | | | | | | | | | | | | | | |
| TURNAROUND TIME <input type="checkbox"/> SAME DAY <input checked="" type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS | | | | REQUESTED ANALYSIS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) Send EDF report / Global ID: T06019757161 | | | | <table style="width:100%; border-collapse: collapse;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">TPHd by 8015B</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">TPHg by 8015B</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">Methanol by 8015B</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">BTEX by 8260B</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">Oxygenates by 8260B</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">Lead Scavengers by 8260B</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">Ethanol by 8260B</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">Total Lead by 6010B</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> | | | | | | TPHd by 8015B | TPHg by 8015B | Methanol by 8015B | BTEX by 8260B | Oxygenates by 8260B | Lead Scavengers by 8260B | Ethanol by 8260B | Total Lead by 6010B | | | | | | | | | | | | | |
| TPHd by 8015B | TPHg by 8015B | Methanol by 8015B | BTEX by 8260B | | | | | | | Oxygenates by 8260B | Lead Scavengers by 8260B | Ethanol by 8260B | Total Lead by 6010B | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS Use Silica Gel Cleanup for all TPHd analyses. Set TBA reporting limit at or below 12 ug/L. Oxygenates: MTBE, ETBE, TAME, DIPE, TBA Lead Scavengers: 1,2-DCA, EDB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAB USE ONLY | SAMPLE ID | LOCATION/ DESCRIPTION | SAMPLING | | Matrix | #Cont | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | W-38-B18 | B18 | 11-12-07 | 13:40 | W | 6/62 | X | | X | X | X | | | | | | | | | | | | | | | | | | | |
| | W-40-B13 | B13 | 11-12-07 | 14:00 | W | 6/62 | X | | X | X | X | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | Received by: (Signature) | | | | Date: 11-12-07 | | Time: 14:35 | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) PA Sime (to G750) | | | | Received by: (Signature) Sharoname (Co) | | | | Date: 11-13-07 | | Time: 10:40 | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | Received by: (Signature) | | | | Date: | | Time: | | | | | | | | | | | | | | | | | | | | |



WORK ORDER #: 07 - 11 - 0904

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: ERI

DATE: 11-13-07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
Chilled, cooler without temperature blank.
Chilled and placed in cooler with wet ice.
Ambient and placed in cooler with wet ice.
Ambient temperature.
°C Temperature blank.

LABORATORY (Other than Calscience Courier):

- 3.1 °C Temperature blank.
°C IR thermometer.
Ambient temperature.

Initial: SF

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact): Not Present: Initial: SF

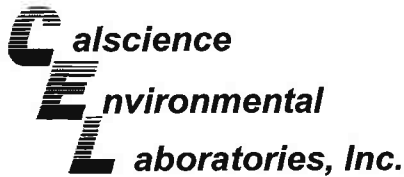
SAMPLE CONDITION:

Table with 4 columns: Description, Yes, No, N/A. Rows include Chain-Of-Custody document(s), Sampler's name, Sample container label(s), Sample container(s) intact, Correct containers and volume, Proper preservation, VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: SF

COMMENTS:

Blank lines for handwritten comments.



November 15, 2007

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



Subject: CalScience Work Order No.: 07-11-0994
Client Reference: ExxonMobil 7-0234

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/14/2007 and analyzed in accordance with the attached chain-of-custody.

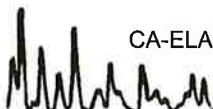
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows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

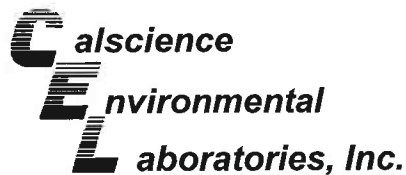
Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

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

Sincerely,

CalScience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager





Analytical Report



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

Date Received: 11/14/07
Work Order No: 07-11-0994
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|------------|---------------|---------------|-------------|
| W-15-B12 | 07-11-0994-1 | 11/13/07 | Aqueous | GC 4 | 11/14/07 | 11/14/07 | 071113B02 |

| Parameter | Result | RL | DF | Qual | Units |
|------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | 8400 | 250 | 5 | | ug/L |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 122 | 38-134 | | | |

| | | | | | | | |
|----------|--------------|----------|---------|------|----------|----------|-----------|
| W-15-B14 | 07-11-0994-2 | 11/13/07 | Aqueous | GC 4 | 11/14/07 | 11/14/07 | 071113B02 |
|----------|--------------|----------|---------|------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | 2500 | 50 | 1 | | ug/L |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 131 | 38-134 | | | |

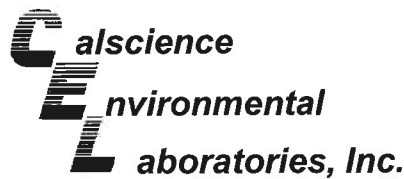
| | | | | | | | |
|----------|--------------|----------|---------|------|----------|----------|-----------|
| W-37-B17 | 07-11-0994-3 | 11/13/07 | Aqueous | GC 4 | 11/14/07 | 11/14/07 | 071113B02 |
|----------|--------------|----------|---------|------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | 630 | 50 | 1 | | ug/L |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 115 | 38-134 | | | |

| | | | | | | | |
|--------------|------------------|-----|---------|------|----------|----------|-----------|
| Method Blank | 099-12-436-1,128 | N/A | Aqueous | GC 4 | 11/13/07 | 11/14/07 | 071113B02 |
|--------------|------------------|-----|---------|------|----------|----------|-----------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 50 | 1 | | ug/L |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 85 | 38-134 | | | |

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



Analytical Report

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

Date Received: 11/14/07
Work Order No: 07-11-0994
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 7-0234

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID | | |
|-----------------------|---------------------|-----------------------|----------------|----------------|-------------------------------|-----------------|-----------------------|-----------|-------------|
| W-15-B12 | 07-11-0994-1 | 11/13/07 | Aqueous | GC/MS L | 11/15/07 | 11/15/07 | 071115L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | 67 | 5.0 | 10 | | Methyl-t-Butyl Ether (MTBE) | 78 | 5.0 | 10 | |
| 1,2-Dibromoethane | ND | 5.0 | 10 | | Tert-Butyl Alcohol (TBA) | ND | 100 | 10 | |
| 1,2-Dichloroethane | ND | 5.0 | 10 | | Diisopropyl Ether (DIPE) | ND | 5.0 | 10 | |
| Ethylbenzene | 140 | 5.0 | 10 | | Ethyl-t-Butyl Ether (ETBE) | ND | 5.0 | 10 | |
| Toluene | ND | 5.0 | 10 | | Tert-Amyl-Methyl Ether (TAME) | ND | 5.0 | 10 | |
| Xylenes (total) | 150 | 5.0 | 10 | | Ethanol | ND | 500 | 10 | |
| <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> |
| 1,2-Dichloroethane-d4 | 120 | 73-157 | | | Dibromofluoromethane | 104 | 82-142 | | |
| Toluene-d8 | 106 | 82-112 | | | 1,4-Bromofluorobenzene | 105 | 75-105 | | |
| W-15-B14 | 07-11-0994-2 | 11/13/07 | Aqueous | GC/MS L | 11/14/07 | 11/14/07 | 071114L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | 1.7 | 1.0 | 2 | | Methyl-t-Butyl Ether (MTBE) | 16 | 1.0 | 2 | |
| 1,2-Dibromoethane | ND | 1.0 | 2 | | Tert-Butyl Alcohol (TBA) | ND | 20 | 2 | |
| 1,2-Dichloroethane | ND | 1.0 | 2 | | Diisopropyl Ether (DIPE) | ND | 1.0 | 2 | |
| Ethylbenzene | 26 | 1.0 | 2 | | Ethyl-t-Butyl Ether (ETBE) | ND | 1.0 | 2 | |
| Toluene | 3.0 | 1.0 | 2 | | Tert-Amyl-Methyl Ether (TAME) | ND | 1.0 | 2 | |
| Xylenes (total) | 13 | 1.0 | 2 | | Ethanol | ND | 100 | 2 | |
| <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> |
| 1,2-Dichloroethane-d4 | 116 | 73-157 | | | Dibromofluoromethane | 108 | 82-142 | | |
| Toluene-d8 | 111 | 82-112 | | | 1,4-Bromofluorobenzene | 103 | 75-105 | | |
| W-37-B17 | 07-11-0994-3 | 11/13/07 | Aqueous | GC/MS L | 11/14/07 | 11/14/07 | 071114L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | 1.8 | 0.50 | 1 | | Methyl-t-Butyl Ether (MTBE) | 2200 | 50 | 100 | |
| 1,2-Dibromoethane | ND | 0.50 | 1 | | Tert-Butyl Alcohol (TBA) | 58 | 10 | 1 | |
| 1,2-Dichloroethane | ND | 0.50 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.50 | 1 | |
| Ethylbenzene | 4.1 | 0.50 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.50 | 1 | |
| Toluene | ND | 0.50 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.50 | 1 | |
| Xylenes (total) | 1.4 | 0.50 | 1 | | Ethanol | ND | 50 | 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> |
| 1,2-Dichloroethane-d4 | 121 | 73-157 | | | Dibromofluoromethane | 107 | 82-142 | | |
| Toluene-d8 | 106 | 82-112 | | | 1,4-Bromofluorobenzene | 102 | 75-105 | | |

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



Analytical Report



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

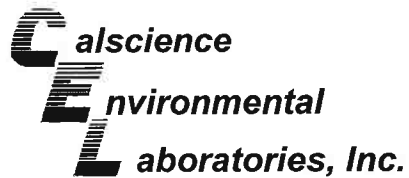
Date Received: 11/14/07
Work Order No: 07-11-0994
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 7-0234

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID | | |
|-----------------------|-----------------------|-----------------------|----------------|----------------|-------------------------------|-----------------|-----------------------|-----------|-------------|
| Method Blank | 099-10-025-414 | N/A | Aqueous | GC/MS L | 11/14/07 | 11/14/07 | 071114L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.50 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.50 | 1 | |
| 1,2-Dibromoethane | ND | 0.50 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 10 | 1 | |
| 1,2-Dichloroethane | ND | 0.50 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.50 | 1 | |
| Ethylbenzene | ND | 0.50 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.50 | 1 | |
| Toluene | ND | 0.50 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.50 | 1 | |
| Xylenes (total) | ND | 0.50 | 1 | | Ethanol | ND | 50 | 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> |
| 1,2-Dichloroethane-d4 | 120 | 73-157 | | | Dibromofluoromethane | 110 | 82-142 | | |
| Toluene-d8 | 103 | 82-112 | | | 1,4-Bromofluorobenzene | 94 | 75-105 | | |
| Method Blank | 099-10-025-415 | N/A | Aqueous | GC/MS L | 11/15/07 | 11/14/07 | 071115L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.50 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.50 | 1 | |
| 1,2-Dibromoethane | ND | 0.50 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 10 | 1 | |
| 1,2-Dichloroethane | ND | 0.50 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.50 | 1 | |
| Ethylbenzene | ND | 0.50 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.50 | 1 | |
| Toluene | ND | 0.50 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.50 | 1 | |
| Xylenes (total) | ND | 0.50 | 1 | | Ethanol | ND | 50 | 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> |
| 1,2-Dichloroethane-d4 | 120 | 73-157 | | | Dibromofluoromethane | 110 | 82-142 | | |
| Toluene-d8 | 103 | 82-112 | | | 1,4-Bromofluorobenzene | 94 | 75-105 | | |

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



Quality Control - Spike/Spike Duplicate



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

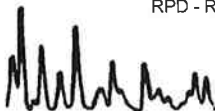
Date Received: 11/14/07
Work Order No: 07-11-0994
Preparation: EPA 5030B
Method: EPA 8015B (M)

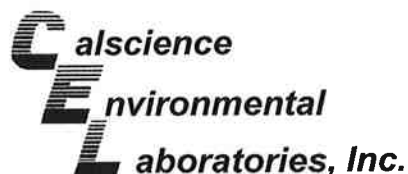
Project ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 07-11-0927-16 | Aqueous | GC 4 | 11/13/07 | 11/14/07 | 071113S02 |

| <u>Parameter</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 Gasoline | 106 | 110 | 68-122 | 4 | 0-18 | |

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Environmental Resolutions, Inc.
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Petaluma, CA 94954-2312

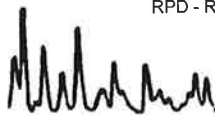
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Work Order No: 07-11-0994
Preparation: EPA 5030B
Method: EPA 8260B

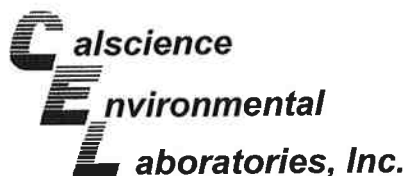
Project ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 07-11-0904-2 | Aqueous | GC/MS L | 11/14/07 | 11/14/07 | 071114S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene | 108 | 107 | 86-122 | 1 | 0-8 | |
| Carbon Tetrachloride | 110 | 117 | 78-138 | 6 | 0-9 | |
| Chlorobenzene | 105 | 110 | 90-120 | 5 | 0-9 | |
| 1,2-Dibromoethane | 116 | 128 | 70-130 | 10 | 0-30 | |
| 1,2-Dichlorobenzene | 109 | 109 | 89-119 | 0 | 0-10 | |
| 1,1-Dichloroethene | 98 | 99 | 52-142 | 1 | 0-23 | |
| Ethylbenzene | 111 | 116 | 70-130 | 5 | 0-30 | |
| Toluene | 115 | 117 | 85-127 | 2 | 0-12 | |
| Trichloroethene | 107 | 106 | 78-126 | 1 | 0-10 | |
| Vinyl Chloride | 98 | 105 | 56-140 | 7 | 0-21 | |
| Methyl-t-Butyl Ether (MTBE) | 116 | 112 | 64-136 | 4 | 0-28 | |
| Tert-Butyl Alcohol (TBA) | 136 | 167 | 27-183 | 21 | 0-60 | |
| Diisopropyl Ether (DIPE) | 112 | 108 | 78-126 | 3 | 0-16 | |
| Ethyl-t-Butyl Ether (ETBE) | 117 | 115 | 67-133 | 1 | 0-21 | |
| Tert-Amyl-Methyl Ether (TAME) | 122 | 121 | 63-141 | 0 | 0-21 | |
| Ethanol | 13 | 158 | 11-167 | 169 | 0-64 | 4 |

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.
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Petaluma, CA 94954-2312

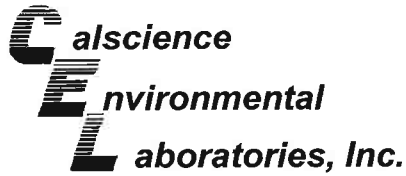
Date Received: 11/14/07
Work Order No: 07-11-0994
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 07-11-1124-4 | Aqueous | GC/MS L | 11/15/07 | 11/15/07 | 071115S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene | 104 | 108 | 86-122 | 3 | 0-8 | |
| Carbon Tetrachloride | 111 | 115 | 78-138 | 3 | 0-9 | |
| Chlorobenzene | 105 | 106 | 90-120 | 1 | 0-9 | |
| 1,2-Dibromoethane | 124 | 126 | 70-130 | 2 | 0-30 | |
| 1,2-Dichlorobenzene | 108 | 110 | 89-119 | 2 | 0-10 | |
| 1,1-Dichloroethene | 96 | 99 | 52-142 | 4 | 0-23 | |
| Ethylbenzene | 111 | 111 | 70-130 | 0 | 0-30 | |
| Toluene | 110 | 115 | 85-127 | 4 | 0-12 | |
| Trichloroethene | 105 | 110 | 78-126 | 4 | 0-10 | |
| Vinyl Chloride | 99 | 103 | 56-140 | 4 | 0-21 | |
| Methyl-t-Butyl Ether (MTBE) | 130 | 139 | 64-136 | 7 | 0-28 | 3 |
| Tert-Butyl Alcohol (TBA) | 140 | 155 | 27-183 | 10 | 0-60 | |
| Diisopropyl Ether (DIPE) | 115 | 117 | 78-126 | 2 | 0-16 | |
| Ethyl-t-Butyl Ether (ETBE) | 129 | 134 | 67-133 | 3 | 0-21 | 3 |
| Tert-Amyl-Methyl Ether (TAME) | 134 | 135 | 63-141 | 1 | 0-21 | |
| Ethanol | 94 | 112 | 11-167 | 17 | 0-64 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

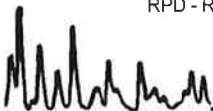
Date Received: N/A
Work Order No: 07-11-0994
Preparation: EPA 5030B
Method: EPA 8015B (M)

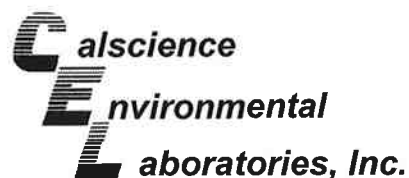
Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-12-436-1,128 | Aqueous | GC 4 | 11/13/07 | 11/14/07 | 071113B02 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|----------|-----------|---------|-----|--------|------------|
| TPH as Gasoline | 107 | 106 | 78-120 | 1 | 0-10 | |

RPD - Relative Percent Difference, CL - Control Limit





Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 07-11-0994
Preparation: EPA 5030B
Method: EPA 8260B

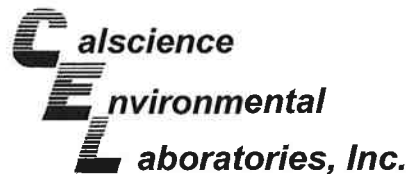
Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-10-025-414 | Aqueous | GC/MS L | 11/14/07 | 11/14/07 | 071114L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene | 101 | 102 | 87-117 | 1 | 0-7 | |
| Carbon Tetrachloride | 115 | 119 | 78-132 | 3 | 0-8 | |
| Chlorobenzene | 106 | 106 | 88-118 | 0 | 0-8 | |
| 1,2-Dibromoethane | 114 | 120 | 80-120 | 5 | 0-20 | |
| 1,2-Dichlorobenzene | 108 | 110 | 88-118 | 2 | 0-8 | |
| 1,1-Dichloroethene | 102 | 105 | 71-131 | 3 | 0-14 | |
| Ethylbenzene | 110 | 109 | 80-120 | 0 | 0-20 | |
| Toluene | 109 | 108 | 85-127 | 1 | 0-7 | |
| Trichloroethene | 106 | 105 | 85-121 | 1 | 0-11 | |
| Vinyl Chloride | 90 | 96 | 64-136 | 7 | 0-10 | |
| Methyl-t-Butyl Ether (MTBE) | 110 | 123 | 67-133 | 11 | 0-16 | |
| Tert-Butyl Alcohol (TBA) | 123 | 133 | 34-154 | 7 | 0-19 | |
| Diisopropyl Ether (DIPE) | 98 | 103 | 80-122 | 5 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 112 | 114 | 73-127 | 2 | 0-11 | |
| Tert-Amyl-Methyl Ether (TAME) | 119 | 127 | 69-135 | 7 | 0-12 | |
| Ethanol | 91 | 97 | 34-124 | 6 | 0-44 | |

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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

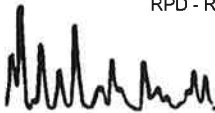
Date Received: N/A
Work Order No: 07-11-0994
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-10-025-415 | Aqueous | GC/MS L | 11/15/07 | 11/15/07 | 071115L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene | 109 | 107 | 87-117 | 2 | 0-7 | |
| Carbon Tetrachloride | 120 | 116 | 78-132 | 3 | 0-8 | |
| Chlorobenzene | 109 | 106 | 88-118 | 2 | 0-8 | |
| 1,2-Dibromoethane | 118 | 111 | 80-120 | 6 | 0-20 | |
| 1,2-Dichlorobenzene | 114 | 108 | 88-118 | 6 | 0-8 | |
| 1,1-Dichloroethene | 108 | 105 | 71-131 | 3 | 0-14 | |
| Ethylbenzene | 113 | 111 | 80-120 | 1 | 0-20 | |
| Toluene | 115 | 114 | 85-127 | 1 | 0-7 | |
| Trichloroethene | 110 | 107 | 85-121 | 3 | 0-11 | |
| Vinyl Chloride | 99 | 95 | 64-136 | 4 | 0-10 | |
| Methyl-t-Butyl Ether (MTBE) | 127 | 110 | 67-133 | 15 | 0-16 | |
| Tert-Butyl Alcohol (TBA) | 138 | 117 | 34-154 | 16 | 0-19 | |
| Diisopropyl Ether (DIPE) | 114 | 105 | 80-122 | 8 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 125 | 111 | 73-127 | 11 | 0-11 | |
| Tert-Amyl-Methyl Ether (TAME) | 128 | 115 | 69-135 | 10 | 0-12 | |
| Ethanol | 84 | 102 | 34-124 | 20 | 0-44 | |

RPD - Relative Percent Difference, CL - Control Limit





Work Order Number: 07-11-0994

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



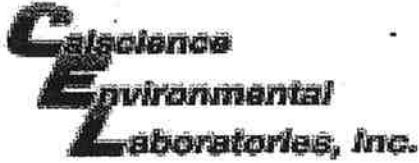


7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5484 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE: _____
PAGE: 1 OF 1

| LABORATORY CLIENT: Exxon Mobil Refining & Supply - Global Remediation | | | | | | CLIENT PROJECT NAME / NUMBER: 247603X / 7-0234 | | | | | | P.O. NO.: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------|-------------------------------|------------------------------|---|--------------------------|--|----------|-------|---|---|--|--|---------------------|-------------------|---------------|---------------------|--------------------------|------------------|---------------------|--|--|--|--|--|--|--|--|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|
| ADDRESS: c/o Environmental Resolutions, Inc. 601 North McDowell Blvd. Petaluma, California 94954 | | | | | | PROJECT CONTACT: Paula Sime/ERI | | | | | | QUOTE NO.: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEL: (707) 766-2000 | | FAX: (707) 789-0414 | | E-MAIL: norcallabs@eri-us.com | | SAMPLER(S): (SIGNATURE) | | | | | | LAB USE ONLY <table border="1" style="width:100%; text-align: center;"> <tr> <td style="width:20px;">1</td> <td style="width:20px;">1</td> <td style="width:20px;">0</td> <td style="width:20px;">9</td> <td style="width:20px;">9</td> <td style="width:20px;">4</td> </tr> </table> | | 1 | 1 | 0 | 9 | 9 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1 | 0 | 9 | 9 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TURNAROUND TIME <input type="checkbox"/> SAME DAY <input checked="" type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS | | | | | | REQUESTED ANALYSIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) Send EDF report / Global ID: T06019757161 | | | | | | <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">TPHd by 8015B</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">TPHg by 8015B</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Methanol by 8015B</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX by 8260B</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Oxygenates by 8260B</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Lead Scavengers by 8260B</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Ethanol by 8260B</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Lead by 6010B</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | TPHd by 8015B | TPHg by 8015B | Methanol by 8015B | BTEX by 8260B | Oxygenates by 8260B | Lead Scavengers by 8260B | Ethanol by 8260B | Total Lead by 6010B | | | | | | | | | X | X | X | X | X | X | | | | | | | | | | | X | X | X | X | X | X | | | | | | | | | | | X | X | X | X | X | X | | | | | | | | | | | | |
| TPHd by 8015B | TPHg by 8015B | Methanol by 8015B | BTEX by 8260B | Oxygenates by 8260B | Lead Scavengers by 8260B | | | | | | | Ethanol by 8260B | Total Lead by 6010B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS Use Silica Gel Cleanup for all TPHd analyses. Set TBA reporting limit at or below 12 ug/L. Oxygenates: MTBE, ETBE, TAME, DIPE, TBA Lead Scavengers: 1,2-DCA, EDB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAB USE ONLY | SAMPLE ID | LOCATION/ DESCRIPTION | SAMPLING | | Matrix | #Cont | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | W-15-B12 | B12 | 11-13-07 | 8:30 | W | 6 VOA | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | W-15-B14 | B14 | 11-13-07 | 10:20 | W | 6 VOA | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | W-37-B17 | B17 | 11-13-07 | 13:45 | W | 6 VOA | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Relinquished by: (Signature) | | | Received by: (Signature) | | | | Date: | Time: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | Received by: (Signature) | | | | 11/13/07 | 1924 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | Received by: (Signature) | | | | 11/14/07 | 0930 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



WORK ORDER #: 07 - 11 - 0994

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: ERI

DATE: 11/14/07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
Chilled, cooler without temperature blank.
Chilled and placed in cooler with wet ice.
Ambient and placed in cooler with wet ice.
Ambient temperature.
C Temperature blank.

LABORATORY (Other than Calscience Courier):

- 3.8 C Temperature blank.
C IR thermometer.
Ambient temperature.

Initial: [Signature]

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact): Not Present: [check]

Initial: [Signature]

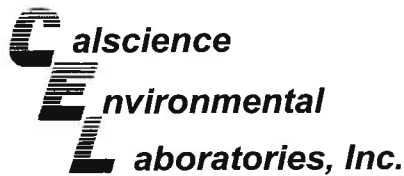
SAMPLE CONDITION:

Table with 4 columns: Item, Yes, No, N/A. Rows include Chain-Of-Custody document(s), Sampler's name, Sample container label(s), Sample container(s) intact, Correct containers and volume, Proper preservation, VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: [Signature]

COMMENTS:

Blank lines for handwritten comments.



November 16, 2007

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

Subject: **Calscience Work Order No.: 07-11-1130**
Client Reference: **ExxonMobil 7-0234**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/15/2007 and analyzed in accordance with the attached chain-of-custody.

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

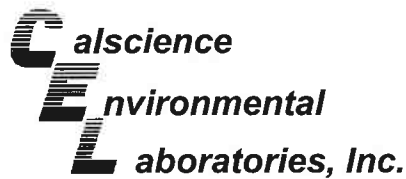
Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Cecile deGuia".

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager

**Analytical Report**

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

Date Received: 11/15/07
Work Order No: 07-11-1130
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|------------|---------------|---------------|-------------|
| W-38-B11 | 07-11-1130-1 | 11/14/07 | Aqueous | GC 30 | 11/15/07 | 11/15/07 | 071115B03 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|------------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as Gasoline | ND | 50 | 1 | | ug/L |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 82 | 38-134 | | | |

| | | | | | | | |
|---------------------|-------------------------|------------|----------------|--------------|-----------------|-----------------|------------------|
| Method Blank | 099-12-436-1,134 | N/A | Aqueous | GC 30 | 11/15/07 | 11/15/07 | 071115B03 |
|---------------------|-------------------------|------------|----------------|--------------|-----------------|-----------------|------------------|

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|------------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as Gasoline | ND | 50 | 1 | | ug/L |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 96 | 38-134 | | | |

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



Analytical Report

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

Date Received: 11/15/07
Work Order No: 07-11-1130
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 7-0234

Page 1 of 1

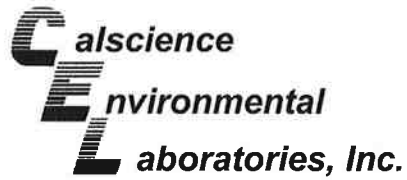
| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|------------|---------------|---------------|-------------|
| W-38-B11 | 07-11-1130-1 | 11/14/07 | Aqueous | GC/MS L | 11/16/07 | 11/16/07 | 071116L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|-----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.50 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.50 | 1 | |
| 1,2-Dibromoethane | ND | 0.50 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 10 | 1 | |
| 1,2-Dichloroethane | ND | 0.50 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.50 | 1 | |
| Ethylbenzene | ND | 0.50 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.50 | 1 | |
| Toluene | ND | 0.50 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.50 | 1 | |
| Xylenes (total) | ND | 0.50 | 1 | | Ethanol | ND | 50 | 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> |
| 1,2-Dichloroethane-d4 | 129 | 73-157 | | | Dibromofluoromethane | 109 | 82-142 | | |
| Toluene-d8 | 105 | 82-112 | | | 1,4-Bromofluorobenzene | 100 | 75-105 | | |

| Method Blank | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|--------------|-------------------|----------------|---------|------------|---------------|---------------|-------------|
| | 099-10-025-417 | N/A | Aqueous | GC/MS L | 11/16/07 | 11/16/07 | 071116L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|-----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene | ND | 0.50 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.50 | 1 | |
| 1,2-Dibromoethane | ND | 0.50 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 10 | 1 | |
| 1,2-Dichloroethane | ND | 0.50 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.50 | 1 | |
| Ethylbenzene | ND | 0.50 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.50 | 1 | |
| Toluene | ND | 0.50 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.50 | 1 | |
| Xylenes (total) | ND | 0.50 | 1 | | Ethanol | ND | 50 | 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> |
| 1,2-Dichloroethane-d4 | 123 | 73-157 | | | Dibromofluoromethane | 107 | 82-142 | | |
| Toluene-d8 | 103 | 82-112 | | | 1,4-Bromofluorobenzene | 99 | 75-105 | | |

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



Quality Control - Spike/Spike Duplicate

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

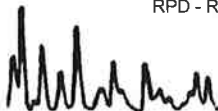
Date Received: 11/15/07
Work Order No: 07-11-1130
Preparation: EPA 5030B
Method: EPA 8015B (M)

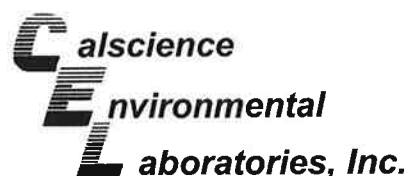
Project ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 07-11-1093-2 | Aqueous | GC 30 | 11/15/07 | 11/15/07 | 071115S02 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|---------|----------|---------|-----|--------|------------|
| TPH as Gasoline | 97 | 97 | 68-122 | 0 | 0-18 | |

RPD - Relative Percent Difference, CL - Control Limit





Quality Control - Spike/Spike Duplicate

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

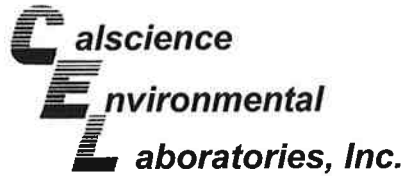
Date Received: 11/15/07
Work Order No: 07-11-1130
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| W-38-B11 | Aqueous | GC/MS L | 11/16/07 | 11/16/07 | 071116S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene | 95 | 95 | 86-122 | 1 | 0-8 | |
| Carbon Tetrachloride | 123 | 120 | 78-138 | 3 | 0-9 | |
| Chlorobenzene | 99 | 98 | 90-120 | 1 | 0-9 | |
| 1,2-Dibromoethane | 102 | 115 | 70-130 | 12 | 0-30 | |
| 1,2-Dichlorobenzene | 97 | 101 | 89-119 | 4 | 0-10 | |
| 1,1-Dichloroethene | 102 | 97 | 52-142 | 5 | 0-23 | |
| Ethylbenzene | 108 | 103 | 70-130 | 5 | 0-30 | |
| Toluene | 104 | 103 | 85-127 | 2 | 0-12 | |
| Trichloroethene | 101 | 100 | 78-126 | 1 | 0-10 | |
| Vinyl Chloride | 90 | 92 | 56-140 | 2 | 0-21 | |
| Methyl-t-Butyl Ether (MTBE) | 97 | 116 | 64-136 | 18 | 0-28 | |
| Tert-Butyl Alcohol (TBA) | 94 | 124 | 27-183 | 27 | 0-60 | |
| Diisopropyl Ether (DIPE) | 86 | 94 | 78-126 | 10 | 0-16 | |
| Ethyl-t-Butyl Ether (ETBE) | 94 | 109 | 67-133 | 15 | 0-21 | |
| Tert-Amyl-Methyl Ether (TAME) | 98 | 110 | 63-141 | 12 | 0-21 | |
| Ethanol | 66 | 64 | 11-167 | 4 | 0-64 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

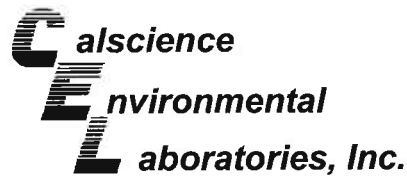
Date Received: N/A
Work Order No: 07-11-1130
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-12-436-1,134 | Aqueous | GC 30 | 11/15/07 | 11/15/07 | 071115B03 |

| <u>Parameter</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 | 98 | 97 | 78-120 | 0 | 0-10 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 07-11-1130
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 7-0234

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-10-025-417 | Aqueous | GC/MS L | 11/16/07 | 11/16/07 | 071116L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene | 92 | 96 | 87-117 | 4 | 0-7 | |
| Carbon Tetrachloride | 117 | 117 | 78-132 | 0 | 0-8 | |
| Chlorobenzene | 101 | 101 | 88-118 | 1 | 0-8 | |
| 1,2-Dibromoethane | 106 | 116 | 80-120 | 9 | 0-20 | |
| 1,2-Dichlorobenzene | 104 | 104 | 88-118 | 0 | 0-8 | |
| 1,1-Dichloroethene | 99 | 99 | 71-131 | 0 | 0-14 | |
| Ethylbenzene | 105 | 107 | 80-120 | 2 | 0-20 | |
| Toluene | 102 | 103 | 85-127 | 1 | 0-7 | |
| Trichloroethene | 99 | 100 | 85-121 | 1 | 0-11 | |
| Vinyl Chloride | 91 | 93 | 64-136 | 2 | 0-10 | |
| Methyl-t-Butyl Ether (MTBE) | 101 | 107 | 67-133 | 6 | 0-16 | |
| Tert-Butyl Alcohol (TBA) | 106 | 117 | 34-154 | 10 | 0-19 | |
| Diisopropyl Ether (DIPE) | 91 | 92 | 80-122 | 1 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 96 | 106 | 73-127 | 10 | 0-11 | |
| Tert-Amyl-Methyl Ether (TAME) | 103 | 111 | 69-135 | 7 | 0-12 | |
| Ethanol | 75 | 80 | 34-124 | 6 | 0-44 | |

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 07-11-1130

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

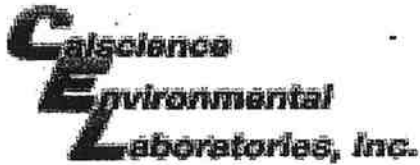




7440 LINCOLN WAY
 GARDEN GROVE, CA 92841-1432
 TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY **ORD**
 DATE:
 PAGE: 1 OF 1

| | | | | | | | | | | | | | | | | | | | | |
|--|-----------|-------------------------------|---|---|------|--|--------|---------------|---------------|-------------------|---------------|--|--------------------------|------------------|---------------------|---|---|---|--|--|
| LABORATORY CLIENT: Exxon Mobil Refining & Supply - Global Remediation | | | | | | CLIENT PROJECT NAME / NUMBER: 247603X / 7-0234 | | | | | | P.O. NO.: | | | | | | | | |
| ADDRESS: c/o Environmental Resolutions, Inc. 601 North McDowell Blvd. Petaluma, California 94954 | | | | | | PROJECT CONTACT: Paula Sime/ERI | | | | | | QUOTE NO.: | | | | | | | | |
| TEL: (707) 766-2000 | | FAX: (707) 789-0414 | | E-MAIL: norcallabs@eri-us.com | | SAMPLER(S) / (SIGNATURE) <i>Michael J. Walker</i> | | | | | | LAB USE ONLY <table border="1" style="width:100%; text-align: center;"> <tr><td style="width: 15px;">1</td><td style="width: 15px;">1</td><td style="width: 15px;">1</td><td style="width: 15px;">3</td><td style="width: 15px;">0</td></tr> </table> | | 1 | 1 | 1 | 3 | 0 | | |
| 1 | 1 | 1 | 3 | 0 | | | | | | | | | | | | | | | | |
| TURNAROUND TIME <input type="checkbox"/> SAME DAY <input checked="" type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS | | | | | | REQUESTED ANALYSIS | | | | | | | | | | | | | | |
| SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) Send EDF report / Global ID: T06019757161 | | | | | | TPHd by 8015B TPHg by 8015B Methanol by 8015B BTEX by 8260B Oxygenates by 8260B Lead Scavengers by 8260B Ethanol by 8260B Total Lead by 6010B | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS Use Silica Gel Cleanup for all TPHd analyses. Set TBA reporting limit at or below 12 ug/L. Oxygenates: MTBE, ETBE, TAME, DIPE, TBA Lead Scavengers: 1,2-DCA, EDB | | | | | | | | | | | | | | | | | | | | |
| LAB USE ONLY | SAMPLE ID | LOCATION/ DESCRIPTION | | SAMPLING DATE TIME | | Matrix | #Cont | TPHd by 8015B | TPHg by 8015B | Methanol by 8015B | BTEX by 8260B | Oxygenates by 8260B | Lead Scavengers by 8260B | Ethanol by 8260B | Total Lead by 6010B | | | | | |
| 1 | W-38-B11 | B11 | | 11-14-07 | 9:15 | W | 5 VOAS | X | X | X | X | X | | | | | | | | |
| Relinquished by: (Signature) <i>Michael J. Walker</i> | | | | | | Received by: (Signature) <i>[Signature]</i> | | | | | | Date: 11-14-07 | Time: 15:30 | | | | | | | |
| Relinquished by: (Signature) <i>[Signature] to GSD</i> | | | | | | Received by: (Signature) <i>[Signature]</i> | | | | | | Date: 11/15/07 | Time: 0915 | | | | | | | |
| Relinquished by: (Signature) | | | | | | Received by: (Signature) | | | | | | Date: | Time: | | | | | | | |



WORK ORDER #: 07 - 11 - 1130

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: ERI

DATE: 11/15/07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
Chilled, cooler without temperature blank.
Chilled and placed in cooler with wet ice.
Ambient and placed in cooler with wet ice.
Ambient temperature.
C Temperature blank.

LABORATORY (Other than CalScience Courier):

- 4.3 C Temperature blank.
C IR thermometer.
Ambient temperature.

Initial: [Signature]

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact): Not Present: [checked]

Initial: [Signature]

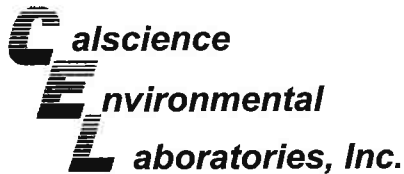
SAMPLE CONDITION:

Table with 4 columns: Item, Yes, No, N/A. Rows include Chain-Of-Custody document(s), Sampler's name, Sample container label(s), Sample container(s) intact, Correct containers and volume, Proper preservation, VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: [Signature]

COMMENTS:

Blank lines for handwritten comments.



November 19, 2007

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

Subject: **Calscience Work Order No.: 07-11-1267**
Client Reference: **ExxonMobil 7-0234 / 247603X**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/16/2007 and analyzed in accordance with the attached chain-of-custody.

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

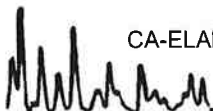
Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

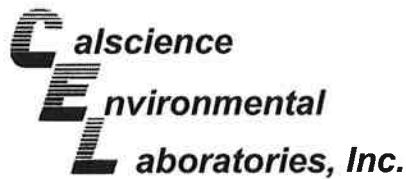
If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Cecile deGuia".

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager





Analytical Report



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

Date Received: 11/16/07
Work Order No: 07-11-1267
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|---------------------|-----------------|----------------|-------------|-----------------|-----------------|------------------|
| W-40-B16 | 07-11-1267-1 | 11/15/07 | Aqueous | GC 1 | 11/16/07 | 11/16/07 | 071116B01 |

| Parameter | Result | RL | DF | Qual | Units |
|------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 50 | 1 | | ug/L |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 105 | 38-134 | | | |

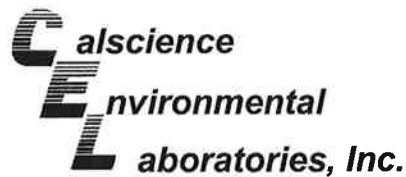
| | | | | | | | |
|-----------------|---------------------|-----------------|----------------|-------------|-----------------|-----------------|------------------|
| W-38-B15 | 07-11-1267-2 | 11/15/07 | Aqueous | GC 1 | 11/16/07 | 11/16/07 | 071116B01 |
|-----------------|---------------------|-----------------|----------------|-------------|-----------------|-----------------|------------------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | 18000 | 500 | 10 | | ug/L |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 109 | 38-134 | | | |

| | | | | | | | |
|---------------------|-------------------------|------------|----------------|-------------|-----------------|-----------------|------------------|
| Method Blank | 099-12-436-1,138 | N/A | Aqueous | GC 1 | 11/16/07 | 11/16/07 | 071116B01 |
|---------------------|-------------------------|------------|----------------|-------------|-----------------|-----------------|------------------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline | ND | 50 | 1 | | ug/L |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | | <u>Qual</u> | |
| 1,4-Bromofluorobenzene | 103 | 38-134 | | | |

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



Analytical Report

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

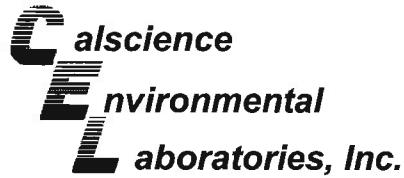
Date Received: 11/16/07
Work Order No: 07-11-1267
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 7-0234 / 247603X

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Instrument | Date Prepared | Date Analyzed | QC Batch ID | | |
|-----------------------|-----------------------|-----------------------|----------------|----------------|-------------------------------|-----------------|-----------------------|-----------|-------------|
| W-40-B16 | 07-11-1267-1 | 11/15/07 | Aqueous | GC/MS L | 11/16/07 | 11/16/07 | 071116L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.50 | 1 | | Methyl-t-Butyl Ether (MTBE) | 7.7 | 0.50 | 1 | |
| 1,2-Dibromoethane | ND | 0.50 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 10 | 1 | |
| 1,2-Dichloroethane | ND | 0.50 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.50 | 1 | |
| Ethylbenzene | ND | 0.50 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.50 | 1 | |
| Toluene | ND | 0.50 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.50 | 1 | |
| Xylenes (total) | ND | 0.50 | 1 | | Ethanol | 85 | 50 | 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> |
| 1,2-Dichloroethane-d4 | 141 | 73-157 | | | Dibromofluoromethane | 117 | 82-142 | | |
| Toluene-d8 | 105 | 82-112 | | | 1,4-Bromofluorobenzene | 102 | 75-105 | | |
| W-38-B15 | 07-11-1267-2 | 11/15/07 | Aqueous | GC/MS L | 11/16/07 | 11/16/07 | 071116L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | 3400 | 250 | 500 | | Methyl-t-Butyl Ether (MTBE) | 12000 | 250 | 500 | |
| 1,2-Dibromoethane | ND | 25 | 50 | | Tert-Butyl Alcohol (TBA) | 1900 | 500 | 50 | |
| 1,2-Dichloroethane | ND | 25 | 50 | | Diisopropyl Ether (DIPE) | ND | 25 | 50 | |
| Ethylbenzene | 330 | 25 | 50 | | Ethyl-t-Butyl Ether (ETBE) | ND | 25 | 50 | |
| Toluene | 2500 | 250 | 500 | | Tert-Amyl-Methyl Ether (TAME) | ND | 25 | 50 | |
| Xylenes (total) | 2000 | 25 | 50 | | Ethanol | ND | 2500 | 50 | |
| <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> |
| 1,2-Dichloroethane-d4 | 129 | 73-157 | | | Dibromofluoromethane | 108 | 82-142 | | |
| Toluene-d8 | 102 | 82-112 | | | 1,4-Bromofluorobenzene | 105 | 75-105 | | |
| Method Blank | 099-10-025-417 | N/A | Aqueous | GC/MS L | 11/16/07 | 11/16/07 | 071116L01 | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> | <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qual</u> |
| Benzene | ND | 0.50 | 1 | | Methyl-t-Butyl Ether (MTBE) | ND | 0.50 | 1 | |
| 1,2-Dibromoethane | ND | 0.50 | 1 | | Tert-Butyl Alcohol (TBA) | ND | 10 | 1 | |
| 1,2-Dichloroethane | ND | 0.50 | 1 | | Diisopropyl Ether (DIPE) | ND | 0.50 | 1 | |
| Ethylbenzene | ND | 0.50 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 0.50 | 1 | |
| Toluene | ND | 0.50 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 0.50 | 1 | |
| Xylenes (total) | ND | 0.50 | 1 | | Ethanol | ND | 50 | 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> |
| 1,2-Dichloroethane-d4 | 123 | 73-157 | | | Dibromofluoromethane | 107 | 82-142 | | |
| Toluene-d8 | 103 | 82-112 | | | 1,4-Bromofluorobenzene | 99 | 75-105 | | |

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



Quality Control - Spike/Spike Duplicate



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

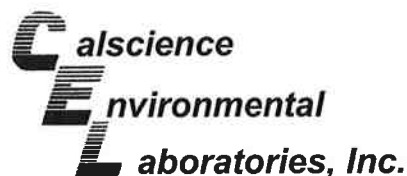
Date Received: 11/16/07
Work Order No: 07-11-1267
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 07-11-1265-1 | Aqueous | GC 1 | 11/16/07 | 11/16/07 | 071116S01 |

| <u>Parameter</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 Gasoline | 85 | 84 | 68-122 | 1 | 0-18 | |

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

Date Received: 11/16/07
Work Order No: 07-11-1267
Preparation: EPA 5030B
Method: EPA 8260B

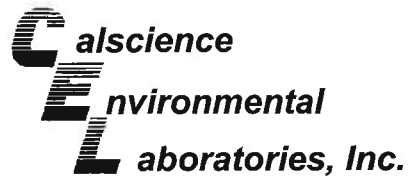
Project ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 07-11-1130-1 | Aqueous | GC/MS L | 11/16/07 | 11/16/07 | 071116S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene | 95 | 95 | 86-122 | 1 | 0-8 | |
| Carbon Tetrachloride | 123 | 120 | 78-138 | 3 | 0-9 | |
| Chlorobenzene | 99 | 98 | 90-120 | 1 | 0-9 | |
| 1,2-Dibromoethane | 102 | 115 | 70-130 | 12 | 0-30 | |
| 1,2-Dichlorobenzene | 97 | 101 | 89-119 | 4 | 0-10 | |
| 1,1-Dichloroethene | 102 | 97 | 52-142 | 5 | 0-23 | |
| Ethylbenzene | 108 | 103 | 70-130 | 5 | 0-30 | |
| Toluene | 104 | 103 | 85-127 | 2 | 0-12 | |
| Trichloroethene | 101 | 100 | 78-126 | 1 | 0-10 | |
| Vinyl Chloride | 90 | 92 | 56-140 | 2 | 0-21 | |
| Methyl-t-Butyl Ether (MTBE) | 97 | 116 | 64-136 | 18 | 0-28 | |
| Tert-Butyl Alcohol (TBA) | 94 | 124 | 27-183 | 27 | 0-60 | |
| Diisopropyl Ether (DIPE) | 86 | 94 | 78-126 | 10 | 0-16 | |
| Ethyl-t-Butyl Ether (ETBE) | 94 | 109 | 67-133 | 15 | 0-21 | |
| Tert-Amyl-Methyl Ether (TAME) | 98 | 110 | 63-141 | 12 | 0-21 | |
| Ethanol | 66 | 64 | 11-167 | 4 | 0-64 | |

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate

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

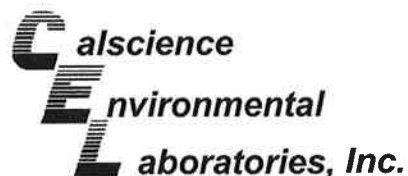
Date Received: N/A
Work Order No: 07-11-1267
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-12-436-1,138 | Aqueous | GC 1 | 11/16/07 | 11/16/07 | 071116B01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|----------|-----------|---------|-----|--------|------------|
| TPH as Gasoline | 86 | 85 | 78-120 | 2 | 0-10 | |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 07-11-1267
Preparation: EPA 5030B
Method: EPA 8260B

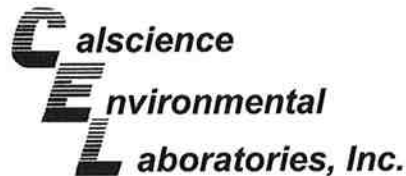
Project: ExxonMobil 7-0234 / 247603X

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-10-025-417 | Aqueous | GC/MS L | 11/16/07 | 11/16/07 | 071116L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene | 92 | 96 | 87-117 | 4 | 0-7 | |
| Carbon Tetrachloride | 117 | 117 | 78-132 | 0 | 0-8 | |
| Chlorobenzene | 101 | 101 | 88-118 | 1 | 0-8 | |
| 1,2-Dibromoethane | 106 | 116 | 80-120 | 9 | 0-20 | |
| 1,2-Dichlorobenzene | 104 | 104 | 88-118 | 0 | 0-8 | |
| 1,1-Dichloroethene | 99 | 99 | 71-131 | 0 | 0-14 | |
| Ethylbenzene | 105 | 107 | 80-120 | 2 | 0-20 | |
| Toluene | 102 | 103 | 85-127 | 1 | 0-7 | |
| Trichloroethene | 99 | 100 | 85-121 | 1 | 0-11 | |
| Vinyl Chloride | 91 | 93 | 64-136 | 2 | 0-10 | |
| Methyl-t-Butyl Ether (MTBE) | 101 | 107 | 67-133 | 6 | 0-16 | |
| Tert-Butyl Alcohol (TBA) | 106 | 117 | 34-154 | 10 | 0-19 | |
| Diisopropyl Ether (DIPE) | 91 | 92 | 80-122 | 1 | 0-8 | |
| Ethyl-t-Butyl Ether (ETBE) | 96 | 106 | 73-127 | 10 | 0-11 | |
| Tert-Amyl-Methyl Ether (TAME) | 103 | 111 | 69-135 | 7 | 0-12 | |
| Ethanol | 75 | 80 | 34-124 | 6 | 0-44 | |

RPD - Relative Percent Difference, CL - Control Limit





Glossary of Terms and Qualifiers

Work Order Number: 07-11-1267

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

A handwritten signature in black ink, appearing to be "M. J. ...", is located at the bottom left of the page.



Calscience Environmental Laboratories, Inc.

SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

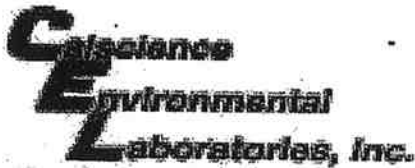
CHAIN OF CUSTODY RECORD

Date 11-15-07
Page 1 of 1

| LABORATORY CLIENT: Exxon Mobil Refining & Supply - Global Remediation | | | | | CLIENT PROJECT NAME / NUMBER: 247603X / 70234 | | | | | P.O. NO.: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------------|---|----------------------------|--------------|--|--------------|---------|---|---------|----------------------------|---|--------------------|----------------------------------|---------------|--------------------|---------------------------------|------------------------|----------------------------|---------------------------------|--------------------------|-------------------------|---------------------------------|--------------------------|-----------------|------------------------|-------------------------|---------------------------------|--------------------------|-----------------|-----------------------|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|---|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|---|
| ADDRESS: 40 ERI 601 N McDowell Blvd | | | | | PROJECT CONTACT: PAULA SIME (ERI) | | | | | 11-1267 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CITY: Petaluma | | | STATE: CA | | ZIP: 94954 | | | SAMPLER(S): (PRINT) <i>[Signature]</i> | | | COELT LOG CODE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | COOLER RECEIPT TEMP= _____ °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEL: 707-766-2000 | | E-MAIL: norcallabs@eri-us.com | | | REQUESTED ANALYSES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input checked="" type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING FORMS <input checked="" type="checkbox"/> COELT EDF <input type="checkbox"/> <u>T06019757161</u> | | | | | <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>TPH (g)</th> <th>TPH (d) or (C7-C36) or (C7-C44)</th> <th>TPH (l)</th> <th>BTEX / MTBE (8260B) or ()</th> <th>VOCs (8260B)</th> <th>Oxygenates (8260B)</th> <th>Encore Prep (5035)</th> <th>SVOCs (8270C)</th> <th>Pesticides (8081A)</th> <th>PCBs (8082)</th> <th>PNAs (8310) or (8270C)</th> <th>T22 Metals (6010B/747X)</th> <th>Cr(VI) (7196A or 7199 or 218.6)</th> <th>VOCs (TO-14A) or (TO-15)</th> <th>TPH (g) (TO-3)*</th> <th>Lead Scavengers 8260B</th> </tr> </thead> <tbody> <tr> <td>X</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> </tbody> </table> | | | | | | | | | | TPH (g) | TPH (d) or (C7-C36) or (C7-C44) | TPH (l) | BTEX / MTBE (8260B) or () | VOCs (8260B) | Oxygenates (8260B) | Encore Prep (5035) | SVOCs (8270C) | Pesticides (8081A) | PCBs (8082) | PNAs (8310) or (8270C) | T22 Metals (6010B/747X) | Cr(VI) (7196A or 7199 or 218.6) | VOCs (TO-14A) or (TO-15) | TPH (g) (TO-3)* | Lead Scavengers 8260B | X | | | X | X | X | | | | | | | | | | X | X | | | X | X | X | | | | | | | | | | X |
| TPH (g) | TPH (d) or (C7-C36) or (C7-C44) | TPH (l) | BTEX / MTBE (8260B) or () | VOCs (8260B) | | | | | | | | | | | Oxygenates (8260B) | Encore Prep (5035) | SVOCs (8270C) | Pesticides (8081A) | PCBs (8082) | PNAs (8310) or (8270C) | T22 Metals (6010B/747X) | Cr(VI) (7196A or 7199 or 218.6) | VOCs (TO-14A) or (TO-15) | TPH (g) (TO-3)* | Lead Scavengers 8260B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | X | X | X | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | X | X | X | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS: TBA R.L < 12 ug/L OXYS = MTBE, ETBE, TAME, TBA, DIPE Lead scavengers = 1,2-DCA, EDB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAE USE ONLY | SAMPLE ID | FIELD POINT NAME (FOR COELT EDF) | SAMPLING | | MATRIX | NO. OF CONT. | TPH (g) | TPH (d) or (C7-C36) or (C7-C44) | TPH (l) | BTEX / MTBE (8260B) or () | VOCs (8260B) | Oxygenates (8260B) | Encore Prep (5035) | SVOCs (8270C) | Pesticides (8081A) | PCBs (8082) | PNAs (8310) or (8270C) | T22 Metals (6010B/747X) | Cr(VI) (7196A or 7199 or 218.6) | VOCs (TO-14A) or (TO-15) | TPH (g) (TO-3)* | Lead Scavengers 8260B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | W-40-B16 | B16 | 11-15-07 | 7:40 | W | 6 VOA | X | | | X | X | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | W-38-B15 | B15 | 11-15-07 | 9:05 | W | 6 VOA | X | | | X | X | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|---|--|--------------------------|----------------------|
| Relinquished by: (Signature) <i>[Signature]</i> | Received by: (Signature/Affiliation) <i>[Signature]</i> CEC | Date: 11-15-07 | Time: 1055 |
| Relinquished by: (Signature) <i>[Signature]</i> TO GSD | Received by: (Signature/Affiliation) <i>[Signature]</i> CEC | Date: 11-16-07 | Time: 1015 |
| Relinquished by: (Signature) | Received by: (Signature/Affiliation) | Date: | Time: |

DISTRIBUTION: White with final report, Green and Yellow to Client. Please note that pages 1 and 2 of 2 of our TICs are printed on the reverse side of the Green and Yellow copies respectively.



WORK ORDER #: 07 - 11 - 1267

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: ERI

DATE: 11/16/07

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
- Chilled, cooler without temperature blank.
- Chilled and placed in cooler with wet ice.
- Ambient and placed in cooler with wet ice.
- Ambient temperature.
- °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- 2.4 °C Temperature blank.
- °C IR thermometer.
- Ambient temperature.

Initial: NC

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present:

Initial: NC

SAMPLE CONDITION:

| | Yes | No | N/A |
|---|-------------------------------------|--------------------------|-------------------------------------|
| Chain-Of-Custody document(s) received with samples..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sampler's name indicated on COC..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container label(s) consistent with custody papers..... | <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"/> |
| Correct containers and volume for analyses requested..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Proper preservation noted on sample label(s)..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| VOA vial(s) free of headspace. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Tedlar bag(s) free of condensation..... | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Initial: NC

COMMENTS:

ATTACHMENT F
WASTE DISPOSAL DOCUMENTATION

NO. 148300

CLEANHARBORS BUTTONWILLOW, LLC WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster witness whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed in Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER CLEANHARBORS BUTTONWILLOW, LLC

| | | |
|---|--|---------------------|
| PROFILE NO. <i>CH 7006</i> | GROSS WT. BY: <i>[Signature]</i> DEPUTY | DATE <i>11/7/19</i> |
| DISPOSAL LOCATION <i>SP4</i> | TARE WT. BY: <i>[Signature]</i> DEPUTY | DATE <i>11/7/19</i> |
| DRIVER'S NAME PRINTED <i>P. [Signature]</i> | WEIGHING LOCATION: 2500 W. LOKERN ROAD BUTTONWILLOW, CA 93208 | |
| DRIVER'S NAME SIGNATURE <i>[Signature]</i> | GENERATOR <i>[Signature]</i> | |
| TRACTOR NO. <i>195</i> | TRANSPORTER <i>[Signature]</i> | |
| TRACTOR LIC. NO. <i>11774823</i> | MANIFEST NO. <i>117707A</i> | |
| TRAILER LIC. NO. <i>W0</i> | SERVICE ORDER NO. <i>1737692849</i> | |
| BIN NUMBERS: <i>410</i> | BIN TRACKING | |

200 1000 10 GROSS
200 1000 10 TARE
200 1000 10 NET

- END DUMP TRANSFER VACUUM VAN
 ROLL OFF - FLAT BED

| VIS | pH | SUL | CYA | FL | FLASH | 20% | <i>Residue #11</i> |
|----------|----|-----|-----|----|-------|-----|--------------------|
| <i>+</i> | | | | | | | |
| OTHER: | | | | | | | |

| IG | CR | PR | LAB 1 | SOLID BULK | B.W. W.B. | LAND TRACK | B-SCAN | W.T. SCAN | MAN-SCAN | RE-SCAN |
|--------------------|----|----|-------|------------|-----------|------------|--------|-----------|----------|---------|
| <i>[Signature]</i> | | | | | | | | | | |

DRUM NUMBER: _____

COMMENTS: _____

BIN DROP FULL: _____

MOVE BY TO: _____ DATE: _____ BY: _____

NO.

CLEANHARBORS BUTTONWILLOW, LLC WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster witness whose signature is on this certificate who is a recognized authority of accuracy, as prescribed in Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture

WEIGHMASTER CLEANHARBORS BUTTONWILLOW, LLC

| | | | |
|-------------------------|--------------------|---|------|
| PROFILE NO | GROSS WT. BY | DEPUTY | DATE |
| DISPOSAL LOCATION | TARE WT. BY | DEPUTY | DATE |
| DRIVER'S NAME PRINTED | WEIGHING LOCATION: | 2500 W. LOKERN ROAD BUTTONWILLOW, CA 93206 | |
| DRIVER'S NAME SIGNATURE | GENERATOR | | |
| TRACTOR NO. | TRANSPORTER | | |
| TRACTOR LIC. NO. | MANIFEST NO. | | |
| TRAILER LIC. NO. | SERVICE ORDER NO. | | |
| BIN NUMBERS | BIN TRACKING | | |

END DUMP TRANSFER VACUUM VAN
 ROLL OFF - _____ FLAT BED _____

| | | | | | | | | | | |
|--------|----|-----|-------|------------|-----------|------------|--------|-----------|----------|---------|
| VIS | pH | SUL | CYA | FL | FLASH | 20% | | | | |
| | | | | | | | | | | |
| OTHER: | | | | | | | | | | |
| IC | CR | PR | LAB 1 | SOLID BULK | B.W. W.B. | LAND TRACK | B-SCAN | W.T. SCAN | MAN-SCAN | RE SCAN |
| | | | | | | | | | | |

DRUM NUMBER

COMMENTS



BIN DROP FULL

MOVE
BIN TO

DATE

BY

REPUBLIC SERVICES VASCO ROAD, LLC
4000 N. Vasco Road, Livermore, California 94551 • (925) 447-0491

A 623375

0 0 0 0 0
0 0 0 0 0 0 0
0 0 0 0 0 0 0

0 0 0 0 0 0 0
0 0 0 0 0 0 0
0 0 0 0 0 0 0

Customer Name: [Faint text]
Address: [Faint text]
City: [Faint text] State: [Faint text] Zip: [Faint text]
Phone: [Faint text] Fax: [Faint text]
E-mail: [Faint text]

CUSTOMER

OCT 8 2007

WEIGHMASTER CERTIFICATE
THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution. All children must remain in vehicles. Absolutely no salvaging allowed.

REPUBLIC SERVICES VASCO RO

4001 N. Vasco Road, Livermore, California 94551

642783

Vasco Road Landfill

J & S

RECEIVED

NOV 29 2007

By _____

748400
11/28/2007
11:29-11:30

5007814/DILLARD ENVIRONME

50 195
DUMP TRUCK

0 LB In Scale
0 LB OutScale
0 LB Tons: 0.00

Haul Cust:

500008/OAKLAND - SOED/Soil Drums 12.00

Units Units



CUSTOMER

RAY YULO - Vasco

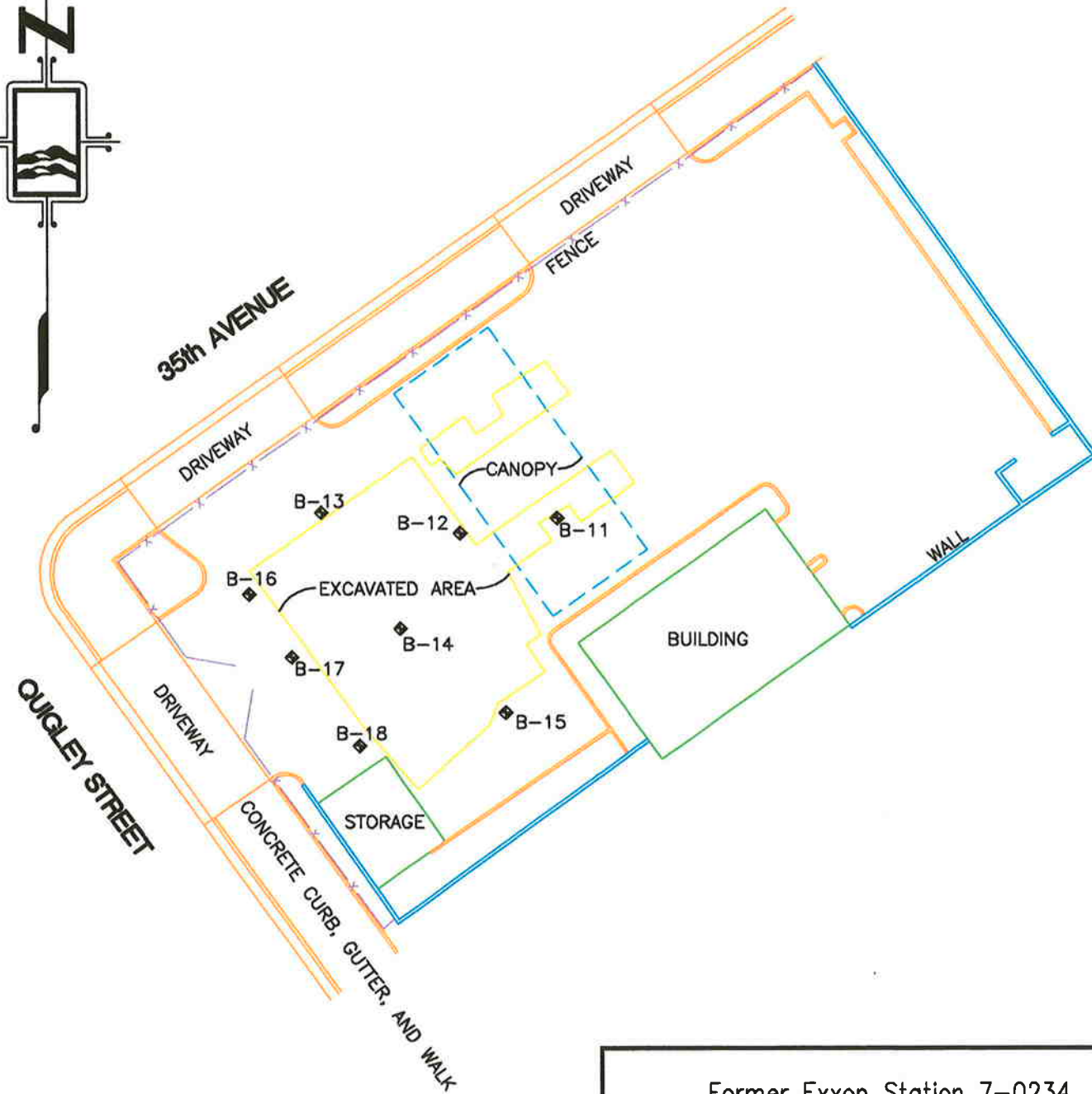
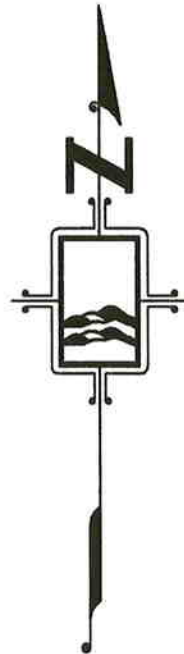
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WEIGHMASTER CERTIFICATE
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ATTACHMENT G
SURVEY REPORT

Monitoring Well Exhibit

Prepared For:
Environmental Resolutions, Inc.



| DESCRIPTION | NORTHING | EASTING | LATITUDE | LONGITUDE | 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 |

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.

J:\2476\SPICIALITY\2476 11-27-07 MORROW.dwg, mkjones



Former Exxon Station 7-0234
3450 35th Avenue
Oakland
Alameda County
California



1450 Harbor Blvd. Ste. D
West Sacramento
California 95691
(916) 372-8124
paulg@morrrowsurveying.com

Date: 11-27-07
Scale: 1" = 30'
Sheet 1 of 1
Revised:
Field Book: MW-38
Dwg. No. 1873-139 PG