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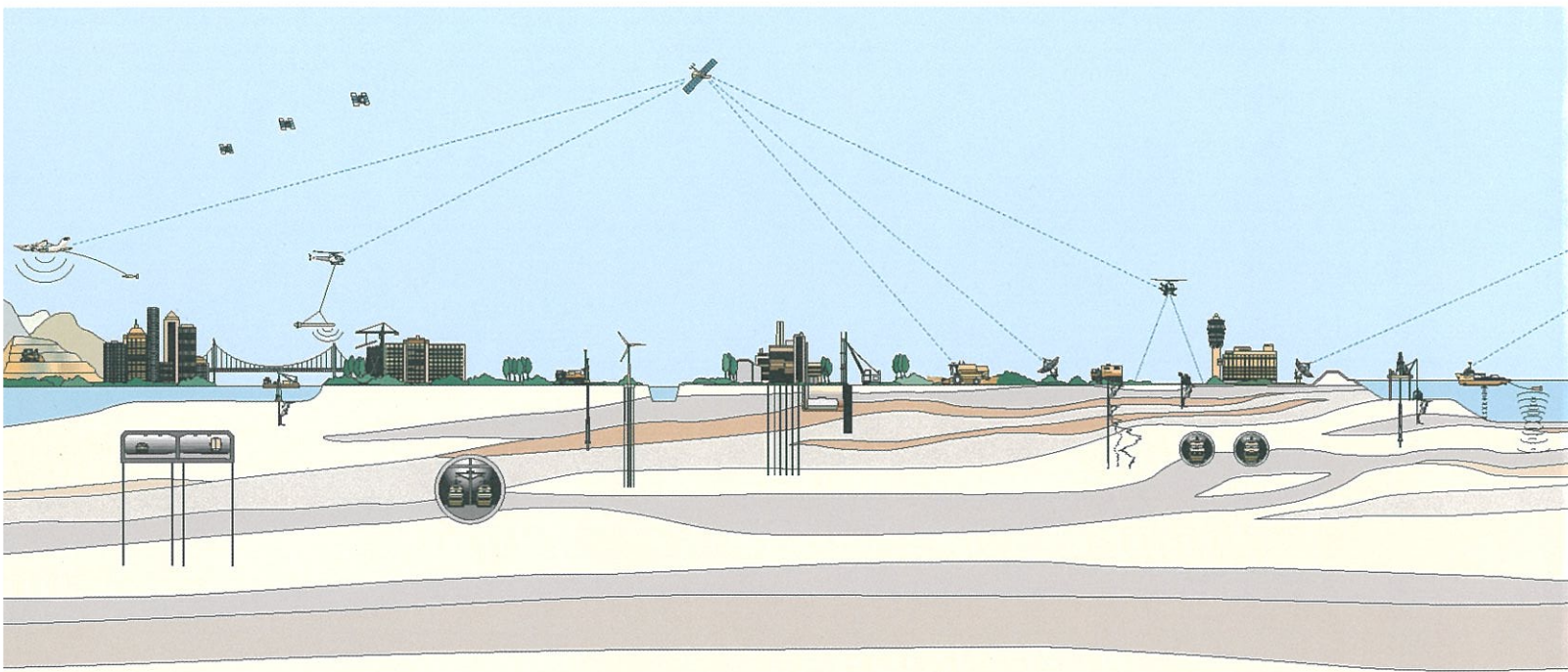
FUGRO WEST, INC.

**FALL 2006 GROUNDWATER MONITORING
REPORT
2250 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA**

Prepared for:
BUTTNER PROPERTIES

February 2007

Fugro Project No. 609.004



February 12, 2007
Project No. 609.004

Buttner Properties
600 West Grand Avenue
Oakland, California 94612

Attention: Ms. Marianne Robison

Subject: Fall 2006 Groundwater Monitoring Report, 2250 Telegraph Avenue,
Oakland, California

Dear Ms. Robison:

Fugro West, Inc., (Fugro) is pleased to present this letter, which records the results of the Fall 2006 groundwater monitoring event conducted in October 2006, for the 2250 Telegraph Avenue Property (Site). The groundwater monitoring program has been implemented in accordance with our February 2004 Work Plan and the Addendum to our Work Plan dated August 5, 2004. The Site location is shown on the Vicinity Map - Plate 1 and the Site Plan is presented on Plate 2.

During this monitoring event, Fugro sampled the four wells located onsite (MW-1, MW-2, MW-3, and MW-4) as well as one well located offsite: MW-5 to the south, within the parking lane. Due traffic restrictions imposed by the City of Oakland's Public Works Department, we were unable to receive permits to block the west bound lanes of the heavily traveled West Grand Avenue to sample MW-6.

BACKGROUND

In August 1990, a 10,000-gallon gasoline underground gasoline storage tank (UST) and one 280-gallon waste oil UST were removed from the Site. Approximately 500 cubic yards of gasoline-impacted soil were excavated from the former UST and pump island areas, and with concurrence from the Alameda County Environmental Health (ACEH) the contaminated soils were aerated onsite in 1990 and 1991 and disposed at a Class III sanitary landfill. The excavations were backfilled with clean imported materials, placed and compacted under engineering supervision, and the area was resurfaced with asphalt pavement.

In February 1994, contaminated soils near the former waste oil tank were over-excavated and removed from the Site. Four groundwater monitoring wells (MW-1 through MW-4) were installed onsite and a groundwater monitoring program was implemented. In May 1996, five temporary well points were installed and grab groundwater samples were obtained as part of a supplemental investigation to assist in determining locations for the



installation of offsite monitoring wells. Two monitoring wells (MW-5 and MW-6) were installed at offsite locations, downgradient from the former UST excavations in June 1997. In response to ACEH letters dated June 16, 1998, and November 8, 1999, all groundwater monitoring wells (MW-1 through MW-6) were monitored and sampled on a semi-annual basis through 2001.

In their letter dated January 16, 2002, the ACEH recommended a risk assessment and sensitive receptor survey be conducted to determine whether the Site may be considered a "low risk site." While in the process of conducting these activities, a subsequent letter from the ACEH dated April 4, 2003, was received by the property owner. The April 2003 letter requested that additional source and site characterization studies, a preferential pathway study, and a well survey be conducted. In response to these requests, Fugro prepared a Preferential Pathway and Preliminary Risk Evaluation report dated February 19, 2004. Fugro conducted research at the City offices to identify the location of preferential pathways in the immediate vicinity and evaluated the presence of sensitive receptors in the area. Fugro also compared detected concentrations to the Environmental Screening Levels established by the Regional Water Quality Control Board (RWQCB) for classification of impacted sites. Results of these studies indicated the following:

- Source material has been removed from the Site and the Site has been restored to allow continued use of the Site;
- Residual concentrations of Total Petroleum Hydrocarbons (TPH) in soil beneath the onsite structure and concentrations in groundwater do not pose an immediate or significant risk to human health or the environment, considering the current commercial use of the Site;
- Groundwater below West Grand Avenue is impacted by commingled petroleum hydrocarbon releases. Methyl tertiary butyl ether (MTBE) was not used onsite as the UST's were removed prior to its introduction, yet MTBE has historically been detected in offsite well MW-6;
- No drinking water wells exist within a half-mile radius of the Site;
- No utility corridors were located on or offsite, which would create a preferential migration pathway for contaminants of concern. City infrastructure maps indicate that storm and sanitary sewer mainlines do not extend below West Grand Avenue, they extend below Telegraph Avenue, situated along the upgradient side of the Site, and below Valley Street further to the east. Only one shallow storm drain connector extends from the southeast corner of the Site to Valley Street, and the connector is located above the groundwater surface;
- Shallow groundwater in the downtown Oakland area is not considered nor currently used as a potable water source; and
- With the exception of possible upward migration of soil gas vapors, no exposure pathways currently exist.



Fugro developed a scope of work (Work Plan, February 2004, and Work Plan Addendum, August 2004) to define the lateral extent of onsite soil and groundwater impacts, and to evaluate the potential for soil gas vapors to impact occupants considering that the Site would be redeveloped in the future. In their letter dated August 19, 2005, ACEH requested further clarification for the proposed scope of services. Fugro provided responses to ACEH comments in the Groundwater Monitoring Report and Supplemental Work Plan Addendum dated October 15, 2005. In accordance with new ACEH requirements, Fugro uploaded PDF copies of our Winter 2005, Spring 2006 and Summer 2006 Groundwater Monitoring Report to the ACEH ftp website. We also sent electronic copies of all attached tables in a Microsoft excel format, to the ACEH case worker. To date, no further written comments or acknowledgement has been received from ACEH.

GROUNDWATER MONITORING – FALL 2006

Fugro conducted this monitoring event on October 27, 2006. Prior to sampling, the presence of free product was checked and the depth to groundwater was measured in all five wells. No free product was observed in any of the wells. Each well was then purged of approximately three casing volumes of water while monitoring for changes in pH, conductivity, and temperature. Once the water levels stabilized, the wells were sampled with clean disposable bailers. Samples were retained in glass containers pre-cleaned by the laboratory in accordance with Environmental Protection Agency (EPA) protocols. The containers were placed in an ice-filled cooler and kept chilled, pending delivery to the laboratory.

The samples for this event were submitted under appropriate chain-of-custody documents to Curtis & Tompkins, Ltd., a laboratory certified by the State of California Department of Health Services for hazardous waste and water testing. A sample from each well was analyzed for the following constituents:

- Total volatile hydrocarbons as gasoline (TVHg), EPA Methods 5030/8015;
- Total extractable hydrocarbons as diesel and motor oil (TEHd and mo), EPA Methods 8015m, using silica gel cleanup;
- Lead scavengers including: dichloroethane and dibromoethane;
- Five fuel oxygenates by EPA Methods 8260 including;
 - Methyl tert butyl ether (MTBE), TBA, DIPE, ETBE, and TAME; and
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX).

Well sampling forms, chain-of-custody documents, and the analytical test reports are attached in Appendix A. Groundwater elevation data are summarized in Table 1. Analytical test results are summarized in Table 2.



The groundwater flow direction for the fall event is presented in the Rose Diagram on Plate 2. The gradient for this event was 0.026 feet/foot directed towards the southeast. Based on the groundwater elevation data presented in Table 1, the groundwater gradient remains generally consistent with previous measurements. Groundwater was encountered at elevations slightly higher in one well (MW-1) and lower in the remaining wells compared to the Summer 2006 event.

Fugro's field geologist noticed hydrocarbon odor during purging and sampling of monitoring wells MW-1, MW-3, and MW-4; however, no free product was observed. Contaminants of concern were detected in wells at concentrations similar to previous events. TVHg was detected during this event in the sample from wells MW-1 (250 µg/l), MW-3 (5,300 µg/l), and MW-4 (2,200 µg/l). TEHd was detected in samples from wells MW-3 (240 µg/l), and MW-4 (2,500 µg/l). TEHmo was detected in the sample from well MW-4 (3,200 µg/l).

Analysis detected benzene concentrations in wells MW-3 (950 µg/l) and MW-4 (0.5 µg/l). Toluene, and ethylbenzene and xylene concentrations of 13 µg/l, 17 µg/l, and 11 µg/l respectively in well MW-3. With the exception of 0.5 µg/l of benzene detected in MW-4, no concentrations of benzene, toluene, ethylbenzene, or total xylenes were detected in any of the remaining samples tested.

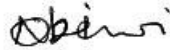
No MTBE concentrations were detected in any of the remaining samples tested during this event. Analysis detected TBA in MW-1 (12 µg/l). None of the lead scavengers or remaining fuel oxygenates were detected in any of the samples analyzed.



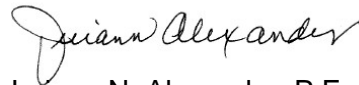
NEXT GROUNDWATER MONITORING EVENT

The next scheduled event will be conducted during the Winter of 2007. If you have any questions, please call either of the undersigned at (510) 268-0461.

Sincerely,
FUGRO WEST, INC.



Obi Nzewi
Project Geologist



Jeriann N. Alexander, P.E., R.E.A.
Project Manager
Civil Engineer 40469 (exp. 3/31/07)
REA 03130 (exp. 7/07)



ON/JNA:ej

Attachments: Table 1 - Groundwater Elevation Data
Table 2 - Chemical Concentrations in Groundwater
Plate 1 - Vicinity Map
Plate 2 - Site Plan with Groundwater Rose Diagram
Appendix A - Well Sampling Forms and Analytical Test Report and Chain of Custody Form

Copies Submitted: (3) Addressee
(1) Mr. Tim Robison, Ph.D.
(1) Mr. Don Hwang, Alameda County Environmental Health



TABLES

Table 1
Groundwater Elevation Data
2250 Telegraph Avenue
Oakland, California

| Monitoring Well | Date | TOC Elevation (feet) MSL | DTW (feet) | Elevation (feet) MSL |
|------------------------|-------------|---------------------------------|-------------------|-----------------------------|
| MW-1 | 3/3/1994 | 20.55 | 10.39 | 10.16 |
| | 3/10/1994 | | 10.54 | 10.01 |
| | 6/6/1994 | | 11.36 | 9.19 |
| | 9/7/1994 | | 11.92 | 8.63 |
| | 12/22/1994 | | 10.83 | 9.72 |
| | 3/17/1995 | | 9.73 | 10.82 |
| | 6/27/1995 | | 10.51 | 10.04 |
| | 9/18/1995 | | 11.12 | 9.43 |
| | 5/30/1996 | | 10.49 | 10.06 |
| | 7/9/1997 | | 11.79 | 8.76 |
| | 8/21/1998 | | 11.00 | 9.55 |
| | 10/6/1998 | | 11.84 | 8.71 |
| | 2/24/1999 | | 9.74 | 10.81 |
| | 6/30/2000 | | 11.28 | 9.27 |
| | 4/27/2001 | | 10.56 | 9.99 |
| | 4/14/2005 | | 10.12 | 10.43 |
| | 8/1/2005 | | 10.56 | 9.99 |
| | 11/9/2005 | | 12.53 | 8.02 |
| | 3/21/2006 | | 9.71 | 10.84 |
| | 8/7/2006 | | 11.40 | 9.15 |
| 10/27/2006 | 11.39 | 9.16 | | |
| MW-2 | 3/3/1994 | 20.03 | 10.37 | 9.66 |
| | 3/10/1994 | | 10.53 | 9.50 |
| | 6/6/1994 | | 11.15 | 8.88 |
| | 9/7/1994 | | 11.72 | 8.31 |
| | 12/22/1994 | | 11.27 | 8.76 |
| | 3/17/1995 | | 9.85 | 10.18 |
| | 6/27/1995 | | 10.70 | 9.33 |
| | 9/18/1995 | | 11.67 | 8.36 |
| | 5/30/1996 | | 11.56 | 8.47 |
| | 7/9/1997 | | 11.52 | 8.51 |
| | 8/21/1998 | | 11.91 | 8.12 |
| | 10/6/1998 | | 11.57 | 8.46 |
| | 2/24/1999 | | 9.91 | 10.12 |
| | 6/30/2000 | | 11.16 | 8.87 |
| | 4/27/2001 | | 11.32 | 8.71 |
| | 4/14/2005 | | 11.00 | 9.03 |
| | 8/1/2005 | | 11.67 | 8.36 |
| | 11/9/2005 | | 11.54 | 8.49 |
| | 3/21/2006 | | 11.02 | 9.01 |
| | 8/7/2006 | | 11.84 | 8.19 |
| 10/27/2006 | 11.92 | 8.11 | | |

Table 1
Groundwater Elevation Data
2250 Telegraph Avenue
Oakland, California

| Monitoring Well | Date | TOC Elevation (feet) MSL | DTW (feet) | Elevation (feet) MSL |
|------------------------|-------------|-------------------------------------|-----------------------|---------------------------------|
| MW-3 | 3/3/1994 | 18.97 | 9.50 | 9.47 |
| | 3/10/1994 | | 9.51 | 9.46 |
| | 6/6/1994 | | 10.28 | 8.69 |
| | 9/7/1994 | | 10.75 | 8.22 |
| | 12/22/1994 | | 9.74 | 9.23 |
| | 3/17/1995 | | 8.85 | 10.12 |
| | 6/27/1995 | | 9.94 | 9.03 |
| | 9/18/1995 | | 10.54 | 8.43 |
| | 5/30/1996 | | 9.69 | 9.28 |
| | 7/9/1997 | | 10.60 | 8.37 |
| | 8/21/1998 | | 10.36 | 8.61 |
| | 10/6/1998 | | 10.64 | 8.33 |
| | 2/24/1999 | | 8.58 | 10.39 |
| | 6/30/2000 | | 10.21 | 8.76 |
| | 4/27/2001 | | 9.85 | 9.12 |
| | 4/14/2005 | | 9.58 | 9.39 |
| | 8/1/2005 | | 10.24 | 8.73 |
| | 11/9/2005 | | 10.45 | 8.52 |
| | 3/21/2006 | | 8.77 | 10.20 |
| | 8/7/2006 | | 10.30 | 8.67 |
| 10/27/2006 | 10.63 | 8.34 | | |
| MW-4 | 3/3/1994 | 19.88 | 10.89 | 8.99 |
| | 3/10/1994 | | 11.19 | 8.69 |
| | 6/6/1994 | | 11.85 | 8.03 |
| | 9/7/1994 | | 12.86 | 7.02 |
| | 12/22/1994 | | 12.26 | 7.62 |
| | 3/17/1995 | | 10.10 | 9.78 |
| | 6/27/1995 | | 11.05 | 8.83 |
| | 9/18/1995 | | 11.84 | 8.04 |
| | 5/30/1996 | | 10.97 | 8.91 |
| | 7/9/1997 | | 12.08 | 7.80 |
| | 8/21/1998 | | 11.86 | 8.02 |
| | 10/6/1998 | | 12.84 | 7.04 |
| | 2/24/1999 | | 10.79 | 9.09 |
| | 6/30/2000 | | 12.39 | 7.49 |
| | 4/27/2001 | | 11.26 | 8.62 |
| | 4/14/2005 | | 12.01 | 7.87 |
| | 8/1/2005 | | 11.78 | 8.10 |
| 11/9/2005 | 12.42 | 7.46 | | |
| 3/21/2006 | 10.00 | 9.88 | | |
| 8/7/2006 | 11.90 | 7.98 | | |
| 10/27/2006 | 12.75 | 7.13 | | |

Table 1
Groundwater Elevation Data
2250 Telegraph Avenue
Oakland, California

| Monitoring Well | Date | TOC Elevation (feet) MSL | DTW (feet) | Elevation (feet) MSL |
|------------------------|-------------|-------------------------------------|-----------------------|---------------------------------|
| MW-5 | 6/26/1997 | 16.02 | 8.44 | 7.58 |
| | 7/9/1997 | | 8.48 | 7.54 |
| | 8/21/1998 | | 8.32 | 7.70 |
| | 10/6/1998 | | 8.51 | 7.51 |
| | 2/24/1999 | | 6.86 | 9.16 |
| | 6/30/2000 | | 7.63 | 8.39 |
| | 4/27/2001 | | 7.60 | 8.42 |
| | 4/15/2005 | | 7.20 | 8.82 |
| | 8/1/2005 | | 8.16 | 7.86 |
| | 11/9/2005 | | 7.92 | 8.10 |
| | 3/21/2006 | | 6.58 | 9.44 |
| | 8/7/2006 | | 8.27 | 7.75 |
| | 10/27/2006 | | 8.48 | 7.54 |
| MW-6 | 6/26/1997 | 18.36 | 10.89 | 7.47 |
| | 7/9/1997 | | 10.98 | 7.38 |
| | 8/21/1998 | | 11.00 | 7.36 |
| | 10/6/1998 | | 10.79 | 7.57 |
| | 2/24/1999 | | 9.32 | 9.04 |
| | 6/30/2000 | | 10.37 | 7.99 |
| | 4/27/2001 | | 10.10 | 8.26 |
| | 4/15/2005 | | 9.55 | 8.81 |
| | 8/1/2005 | | 10.54 | 7.82 |
| | 11/9/2005 | | NA | NA |
| | 3/21/2006 | | 9.11 | 9.25 |
| | 8/7/2006 | | 10.59 | 7.77 |
| | NA | | NA | NA |

TOC = Top of Casing

DTW = Depth to Water

Elevation Reference: USGS benchmark W1197, 1969 with a reported elevation of +21.06 feet MSL datum.

NA = Not Accessible During This Sampling Event



Table 2
Chemical Concentrations in Groundwater
2250 Telegraph Avenue
Oakland, California

| Well | Date | Groundwater Elevation MSL (feet) | Petroleum Hydrocarbons | | | | Volatile Organics | | | | | | | | | | | | | | | |
|-------------------|----------|----------------------------------|------------------------|----------------------|--------------------|-----------------------|-------------------|--------------|--------------------|--------------|-----------|-----------------|-----------------|----------|-----------|-----------|-----------|----------------|--------------|--------------|----------|---------------------|
| | | | TVH as Gasoline µg/l | TEH as Kerosene µg/l | TEH as Diesel µg/l | TEH as Motor Oil µg/l | Benzene µg/l | Toluene µg/l | Ethyl-benzene µg/l | Xylenes µg/l | MTBE µg/l | MTBE -8020 µg/l | MTBE -8260 µg/l | TBA µg/l | DIPE µg/l | ETBE µg/l | TAME µg/l | 1,1,1-TCA µg/l | 1,2-DCA µg/l | 1,2-DBA µg/l | PCE µg/l | Chloro-Benzene µg/l |
| Soil Gas ESL* | | | NV | NV | NV | NV | 540 | 380,000 | 170,000 | 160,000 | 24,000 | | | | | | | | | | | |
| Groundwater ESL** | | | 100 | 100 | 100 | 100 | 1 | 40 | 30 | 20 | 5 | | | | | | | | | | | |
| Temp. Well 1 | 5/31/96 | -- | 13,000 | -- | 37,000 | -- | <50 | <50 | <50 | 380 | -- | -- | -- | -- | -- | -- | <1 | <1 | -- | <1 | <1 | |
| Temp. Well 2 | 5/30/96 | -- | 250 | -- | <50 | -- | <0.5 | <0.5 | 13 | 3.4 | -- | -- | -- | -- | -- | -- | <1 | <1 | -- | <1 | <1 | |
| Temp. Well 3 | 5/30/96 | -- | <50 | -- | 83 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- | -- | <1 | 20 | -- | <1 | <1 | |
| Temp. Well 4 | 5/31/96 | -- | 11,000 | -- | 1,900 | -- | 130 | 66 | 340 | 260 | -- | -- | -- | -- | -- | -- | <1 | <1 | -- | <1 | <1 | |
| Temp. Well 5 | 5/30/96 | -- | 70 | -- | 180 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- | -- | <1 | <1 | -- | <1 | <1 | |
| MW-1 | 3/3/94 | 10.16 | 300 | <50 | <50 | <500 | 1.3 | <0.5 | 2.7 | 3.1 | -- | -- | -- | -- | -- | -- | <0.5 | 5.5 | -- | <0.5 | <0.5 | |
| | 6/6/94 | 9.19 | 430 | 180+ | <50 | <500 | 10 | 2.2 | 6.1 | 7.6 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | <0.5 | <0.5 | |
| | 9/7/94 | 8.63 | 410 | <50 | <50 | <500 | 6.4 | 0.8 | 2.6 | 3.8 | -- | -- | -- | -- | -- | -- | <0.5 | 3.8 | -- | <0.5 | <0.5 | |
| | 12/22/94 | 9.72 | 130 | <50 | <50 | <500 | 0.7 | <0.5 | 0.6 | 0.8 | -- | -- | -- | -- | -- | -- | <0.5 | 3.4 | -- | <0.5 | <0.5 | |
| | 3/17/95 | 10.82 | 1,600 | 170 | <50 | <500 | 29 | <0.5 | 9.1 | 6.9 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | <0.5 | <0.5 | |
| | 6/27/95 | 10.04 | 1,100 | <50 | <50 | <500 | 14 | <0.5 | 7.1 | 5 | -- | -- | -- | -- | -- | -- | <0.5 | 3.3 | -- | <0.5 | <0.5 | |
| | 9/18/95 | 9.43 | 370 | -- | 110+ | -- | 4.4 | 0.6 | 2 | 1.4 | -- | -- | -- | -- | -- | -- | <0.5 | 2.4 | -- | <0.5 | <0.5 | |
| | 8/21/98 | 9.55 | 170 | -- | 62+ | -- | <0.5 | 0.76 | 0.79 | <0.5 | <2.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 2/24/99 | 10.81 | 20 | -- | 280+ | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <2.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 6/30/00 | 13.47 | 240 | -- | <50 | -- | 0.7 | 0.8 | <0.5 | 0.74 | 4.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 4/27/01 | 9.99 | 160 | -- | <50 | -- | 3.3 | <0.5 | 0.86 | <0.50 | <2.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 4/15/05 | 10.43 | 520 | -- | 99 ^{LY} | <300 | 3.3 ^C | 1.8 | <0.5 | 4.6 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | 0.6 | <0.5 | -- | -- | |
| | 8/1/05 | 9.99 | 480 | -- | 62 ^{LY} | <300 | <0.5 | <0.5 | <0.5 | 2.3 | -- | <0.5 | 18 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | |
| | 11/9/05 | 8.02 | 290 ^Y | -- | <50 | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | 14 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | |
| | 3/21/06 | 10.84 | 390 | -- | 97 ^{LY} | <300 | 1 | <0.5 | 0.6 | <0.5 | -- | <0.5 | 16 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | |
| | 8/7/06 | 9.15 | 720 | -- | 130 ^{LY} | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | 18 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | |
| 10/27/06 | 9.16 | 250 | -- | <50 | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | 12 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | | |
| MW-2 | 3/3/94 | 9.66 | 110 | <50 | <50 | <500 | <0.5 | 1.7 | 0.58 | 2.7 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | <0.5 | <0.5 | |
| | 6/6/94 | 8.88 | 100 | <50 | <50 | <500 | 11 | <0.5 | 0.7 | 1.1 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | <0.5 | <0.5 | |
| | 9/7/94 | 8.31 | <50 | <50 | <50 | <500 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | <0.5 | <0.5 | |
| | 12/22/94 | 8.76 | <50 | <50 | <50 | <500 | 0.8 | <0.5 | <0.5 | 0.8 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | <0.5 | <0.5 | |
| | 3/17/95 | 10.18 | 180 | 100 | <50 | <500 | 31 | <0.5 | 1 | 1.8 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | <0.5 | <0.5 | |
| | 6/27/95 | 9.33 | 80 | <50 | <50 | <500 | 6 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | <0.5 | <0.5 | |
| | 9/18/95 | 8.36 | <50 | -- | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | <0.5 | <0.5 | |
| | 8/21/98 | 8.12 | <50 | -- | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 2/24/99 | 10.12 | <50 | -- | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <2.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 6/30/00 | 14.24 | <50 | -- | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | 2.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 4/27/01 | 8.71 | <50 | -- | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 4/15/05 | 9.03 | <50 | -- | <50 | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | |
| | 8/1/05 | 8.36 | <50 | -- | <50 | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | |
| | 11/9/05 | 8.49 | <50 | -- | <50 | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | |
| | 3/21/06 | 9.01 | <50 | -- | <50 | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | |
| | 8/7/06 | 8.19 | <50 | -- | <50 | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | |
| 10/27/06 | 8.11 | <50 | -- | <50 | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | | |
| MW-3 | 3/3/94 | 9.47 | 85 | <50 | <50 | <500 | <0.5 | 0.77 | <0.5 | 3.7 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | <0.5 | <0.5 | |
| | 6/6/94 | 8.69 | 100 | 110+ | <50 | <500 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- | -- | 2.5 | 0.8 | -- | 2.1 | <0.5 | |
| | 9/7/94 | 8.22 | 220 | <50 | <50 | <500 | 11 | 1.8 | 2.6 | 3.5 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | 0.6 | <0.5 | |
| | 12/22/94 | 9.23 | 130 | 95+ | <50 | <500 | 3.8 | 0.5 | 0.6 | 1.2 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | <0.5 | <0.5 | |
| | 3/17/95 | 10.12 | 1,500 | 270 | <50 | <500 | 83 | 6 | 10 | 15 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | <0.5 | <0.5 | |





Table 2
Chemical Concentrations in Groundwater
2250 Telegraph Avenue
Oakland, California

| Well | Date | Groundwater Elevation MSL (feet) | Petroleum Hydrocarbons | | | | Volatile Organics | | | | | | | | | | | | | | | | | | |
|-------------------|----------|----------------------------------|------------------------|----------------------|---------------------|-----------------------|-------------------|--------------|--------------------|------------------|-----------|-----------------|-----------------|----------|-----------|-----------|-----------|----------------|--------------|--------------|----------|---------------------|----|--|--|
| | | | TVH as Gasoline µg/l | TEH as Kerosene µg/l | TEH as Diesel µg/l | TEH as Motor Oil µg/l | Benzene µg/l | Toluene µg/l | Ethyl-benzene µg/l | Xylenes µg/l | MTBE µg/l | MTBE -8020 µg/l | MTBE -8260 µg/l | TBA µg/l | DIPE µg/l | ETBE µg/l | TAME µg/l | 1,1,1-TCA µg/l | 1,2-DCA µg/l | 1,2-DBA µg/l | PCE µg/l | Chloro-Benzene µg/l | | | |
| Soil Gas ESL* | | | NV | NV | NV | NV | 540 | 380,000 | 170,000 | 160,000 | 24,000 | | | | | | | | | | | | | | |
| Groundwater ESL** | | | 100 | 100 | 100 | 100 | 1 | 40 | 30 | 20 | 5 | | | | | | | | | | | | | | |
| MW-3 Contd | 6/27/95 | 9.03 | 2,500 | <50 | <50 | <500 | 330 | 8.9 | 8.1 | 20 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | <0.5 | <0.5 | | | | |
| | 9/18/95 | 8.43 | 1,500 | -- | 770+ | -- | 400 | 11 | 2.2 | 3.3 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | <0.5 | <0.5 | | | | |
| | 8/21/98 | 8.61 | 2,300 | -- | 600+ | -- | 410 | 9.3 | 36 | 25 | <10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| | 2/24/99 | 10.39 | 55 | -- | 110+ | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <2.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| | 6/30/00 | 10.83 | 110 | -- | 83+ | -- | <0.5 | <0.5 | 0.51 | <0.5 | <2.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| | 4/27/01 | 8.67 | <50 | -- | 690+ | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| | 4/14/05 | 9.12 | <50 | -- | <50 | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | -- | | | |
| | 8/1/05 | 9.39 | 410 | -- | 150 ^{HL} | 750 | 17 | <0.5 | 0.87 ^c | 1.4 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | -- | -- | | |
| | 11/9/05 | 8.73 | 1,100 ^Y | -- | 110 ^{LY} | <300 | 150 | 3.4 | 6.1 | 3.8 | -- | <0.5 | 13 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | -- | -- | | |
| | 3/21/06 | 10.20 | 100 | -- | 61 ^Y | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | 12 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | -- | -- | | |
| 8/7/06 | 8.67 | 4,000 ^Y | -- | 280 ^{LY} | <300 | 630 | 9 | 31 | 12 | -- | <0.5 | 18 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | -- | -- | | | |
| | 10/27/06 | 8.34 | 5,300 | -- | 240 ^{LY} | <300 | 950 | 13 | 17 | 11 | -- | <10 | <200 | <10 | <10 | <10 | -- | <10 | <10 | -- | -- | -- | -- | | |
| MW-4 | 3/3/94 | 8.99 | 4,300 | <50 | 240 | <500 | 220 | 20 | 7.5 | 17 | -- | -- | -- | -- | -- | -- | <0.5 | 5.9 | -- | <0.5 | 4.4 | | | | |
| | 6/6/94 | 8.03 | 4,400 | <50 | 800+ | <500 | 140 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | <0.5 | <0.5 | | | | |
| | 9/7/94 | 7.02 | 10,000 | 490+ | 280+ | <500 | 84 | <0.5 | 42 | 69 | -- | -- | -- | -- | -- | -- | <0.5 | 4.4 | -- | 0.5 | 4.3 | | | | |
| | 12/22/94 | 7.62 | 2,400 | 450+ | 54+ | <500 | 11 | <0.5 | 7.1 | 11 | -- | -- | -- | -- | -- | -- | <0.5 | 3.6 | -- | 3.6 | <0.5 | | | | |
| | 3/17/95 | 9.78 | 2,200 | 380 | 160+ | <500 | <0.5 | <0.5 | 7.9 | 10 | -- | -- | -- | -- | -- | -- | <0.5 | 1.7 | -- | <0.5 | 4.5 | | | | |
| | 6/27/95 | 8.83 | 3,100 | <50 | 82 | <500 | <0.5 | <0.5 | 13 | 19 | -- | -- | -- | -- | -- | -- | <0.5 | 2.3 | -- | <0.5 | 4.8 | | | | |
| | 9/18/95 | 8.04 | 3,000 | -- | 1,231+ | -- | 12 | <0.7 | 6.9 | 8.3 | -- | -- | -- | -- | -- | -- | <0.5 | 1.9 | -- | <0.5 | 4.0 | | | | |
| | 8/21/98 | 8.02 | 1,700 | -- | 600+ | -- | 8.2 | 12 | 13 | 5.2 | <2.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| | 2/24/99 | 9.09 | 2,700 | -- | 2,100+ | -- | 4.3 | 0.64 | <0.5 | 0.54 | -- | <2.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| | 6/30/00 | 11.74 | 6,700 | -- | 3,200+ | -- | 3.1 | 1.7 | 11 | 16.7 | 27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| | 4/27/01 | 8.62 | 1,900 | -- | 710 | -- | <0.5 | <0.5 | <0.5 | <0.5 | 14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| | 4/14/05 | 7.87 | 2,900 | -- | 2,200 ^{HL} | 2,500 | <0.5 | <0.5 | <0.5 | 5.1 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | -- | | | |
| | 8/1/05 | 8.10 | 2,000 | -- | 2,100 ^{HL} | 3400 ^L | <0.5 | <0.5 | <0.5 | 5.8 ^c | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | -- | | | |
| 11/9/05 | 7.46 | 2,000 ^Y | -- | 1,900 ^{HL} | 2,300 ^L | 1.2 | <0.5 | <0.5 | 0.8 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | -- | | | | |
| 3/21/06 | 9.88 | 2,200 | -- | 2,800 ^{HL} | 4,000 ^L | 1.2 | <0.5 | <0.5 | 0.7 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | -- | | | | |
| 8/7/06 | 7.98 | 2,500 ^Y | -- | 4,700 ^{HL} | 7,200 ^L | 0.6 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | -- | | | | |
| | 10/27/06 | 7.13 | 2,200 ^Y | -- | 2,500 ^{HL} | 3,200 ^L | 0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | -- | | | |
| MW-5 | 6/26/97 | 7.58 | 120 | -- | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | 1.6 | <0.5 | | | | |
| | 8/21/98 | 7.70 | <50 | -- | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| | 2/24/99 | 9.16 | <50 | -- | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <2.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| | 6/30/00 | 8.39 | <50 | -- | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | 5.1 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| | 4/27/01 | 8.42 | <50 | -- | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| | 4/14/05 | 8.82 | <50 | -- | <50 | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | | | | |
| | 8/1/05 | 7.86 | <50 | -- | <50 | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | | | | |
| | 11/9/05 | 8.10 | <50 | -- | <50 | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | | | | |
| | 3/21/06 | 9.44 | <50 | -- | <50 | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | | | | |
| | 8/7/06 | 7.75 | <50 | -- | <50 | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | | | | |
| | 10/27/06 | 7.54 | <50 | -- | <50 | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | | | | |



Table 2
Chemical Concentrations in Groundwater
2250 Telegraph Avenue
Oakland, California

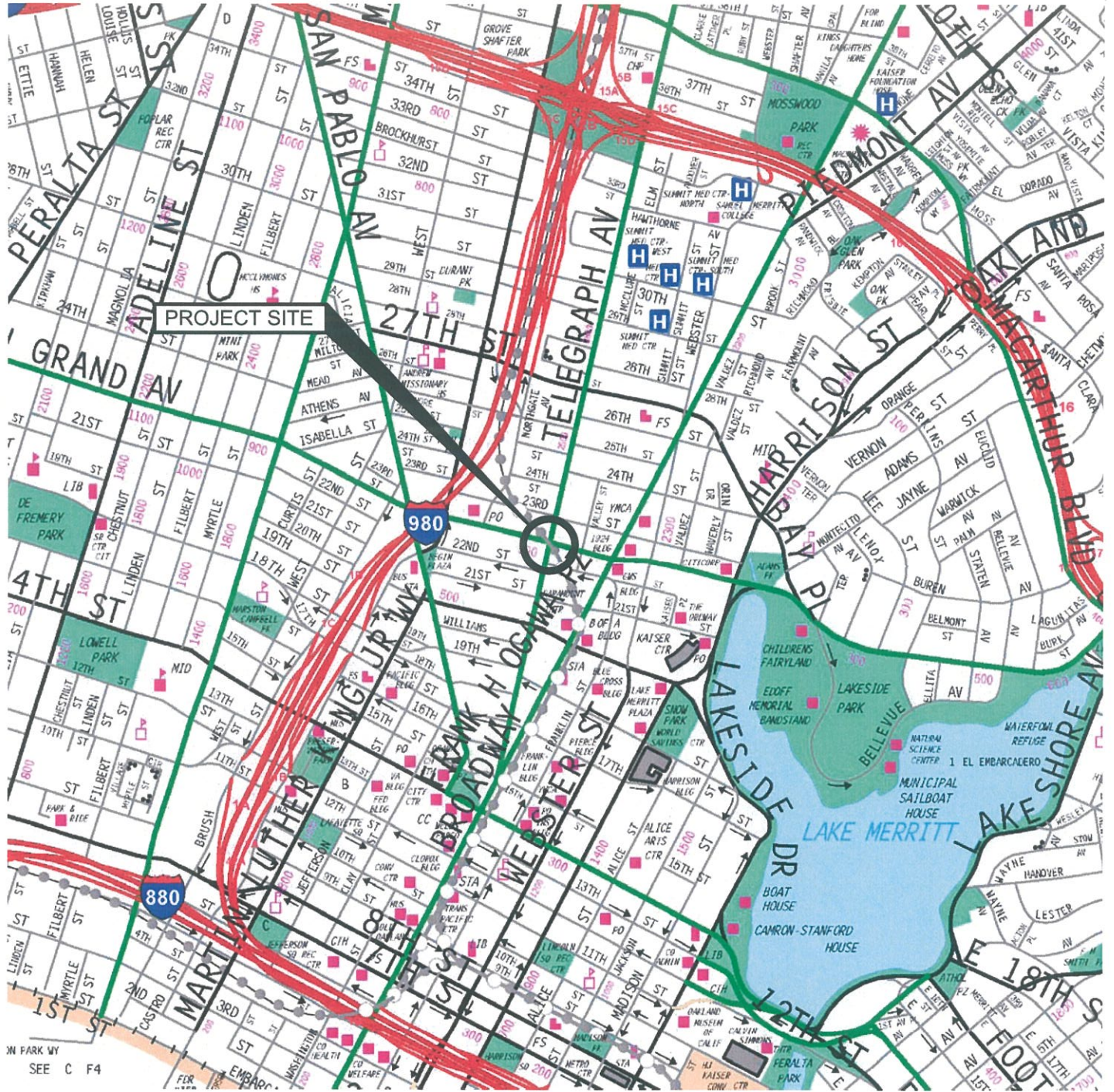
| Well | Date | Groundwater Elevation MSL (feet) | Petroleum Hydrocarbons | | | | Volatile Organics | | | | | | | | | | | | | | | | | | | |
|-------------------|---------|----------------------------------|------------------------|----------------------|--------------------|-----------------------|-------------------|--------------|--------------------|--------------|-----------------|-----------------|----------|-----------|-----------|-----------|----------------|--------------|--------------|----------|---------------------|----|--|--|--|--|
| | | | TVH as Gasoline µg/l | TEH as Kerosene µg/l | TEH as Diesel µg/l | TEH as Motor Oil µg/l | Benzene µg/l | Toluene µg/l | Ethyl-benzene µg/l | Xylenes µg/l | MTBE -8020 µg/l | MTBE -8260 µg/l | TBA µg/l | DIPE µg/l | ETBE µg/l | TAME µg/l | 1,1,1-TCA µg/l | 1,2-DCA µg/l | 1,2-DBA µg/l | PCE µg/l | Chloro-Benzene µg/l | | | | | |
| Soil Gas ESL* | | | NV | NV | NV | NV | 540 | 380,000 | 170,000 | 160,000 | 24,000 | | | | | | | | | | | | | | | |
| Groundwater ESL** | | | 100 | 100 | 100 | 100 | 1 | 40 | 30 | 20 | 5 | | | | | | | | | | | | | | | |
| MW-6 | 6/26/97 | 7.47 | 1,500+ | -- | 450+ | -- | <0.5 | <0.5 | 11 | <0.5 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | -- | <0.5 | 1.7 | | | | | |
| | 8/21/98 | 7.36 | 1,400 | -- | 540+ | -- | <0.5 | 3.6 | 5.6 | 0.4 | 5.7 | 3.2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| | 2/24/99 | 9.04 | 1,600 | -- | 600+ | -- | <0.5 | <0.5 | 0.56 | <0.5 | -- | 2.3 | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| | 6/30/00 | 8.04 | 1,900 | -- | 360+ | -- | 0.56 | 3 | 5.4 | 3.5 | 30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| | 4/27/01 | 8.26 | 1,600 | -- | 440 | -- | <0.5 | <0.5 | <0.5 | <0.5 | 3.3 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| | 4/14/05 | 8.81 | 2,100 | -- | 890 ^{LY} | <300 | <0.5 | <0.5 | <0.5 | 5.9 | -- | 0.7 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | | | | | |
| | 8/1/05 | 7.82 | 2,100 | -- | 670 ^{LY} | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | | | | | |
| | 11/9/05 | NA | NA | -- | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | 3/21/06 | 9.25 | 1,900 | -- | 850 ^{LY} | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | 0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | | | | | |
| | 8/7/06 | 7.77 | 2,200 ^y | -- | 940 ^{LY} | <300 | <0.5 | <0.5 | <0.5 | <0.5 | -- | 0.5 | <10 | <0.5 | <0.5 | <0.5 | -- | <0.5 | <0.5 | -- | -- | | | | | |
| 10/27/06 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | |

Notes

DCA = Dichloroethane
 DBA = Dibromoethane
 TCA = Trichloroethane
 PCE = Tetrachloroethane
 MTBE = Methyl tert butyl ether
 TBA = Tert butyl alcohol
 DIPE = Isopropyl alcohol
 ETBE = Ethyl tert butyl ether
 TAME = Methyl tert amyl ether
 -- = Chemical not tested for
 NR = Hydrocarbon range not reported by laboratory
 + = Uncategorized hydrocarbons quantified in ranges specified
 mg/l = milligrams per liter = parts per million

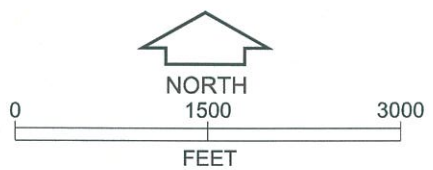
µg/l = micrograms per liter = parts per billion
 <1 = Chemical not present at a concentration greater than the laboratory detection limit shown or stated on test reports
 C = Presence Confirmed, but RPD between columns exceeds 40%
 Y = Sample exhibits chromatographic pattern which does not resemble standard
 H = Heavier hydrocarbon contributed to the quantitation
 L = Lighter hydrocarbon contributed to the quantitation
 * = Environmental Screening Levels established by the San Francisco Bay Regional Water Quality Control Board Table E-1 Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion Concerns
 ** = Environmental Screening Levels established by the San Francisco Bay Regional Water Quality Control Board Table F-1a Groundwater Screening Levels (groundwater is a current potential drinking water resource)
 NA = Not Accessible During This Sampling Event
 -- = Not Analyzed

PLATES



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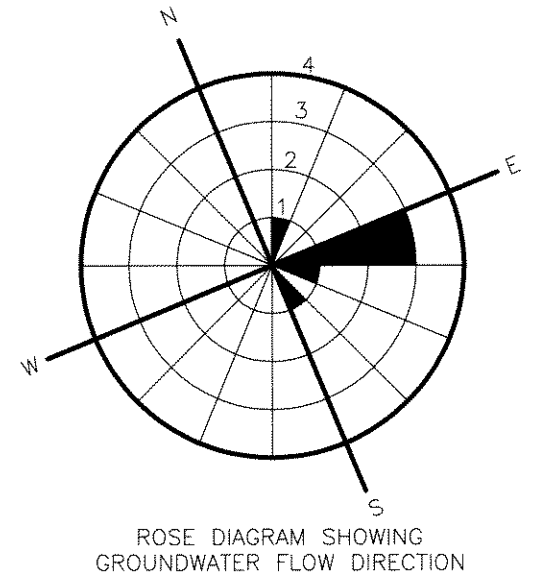
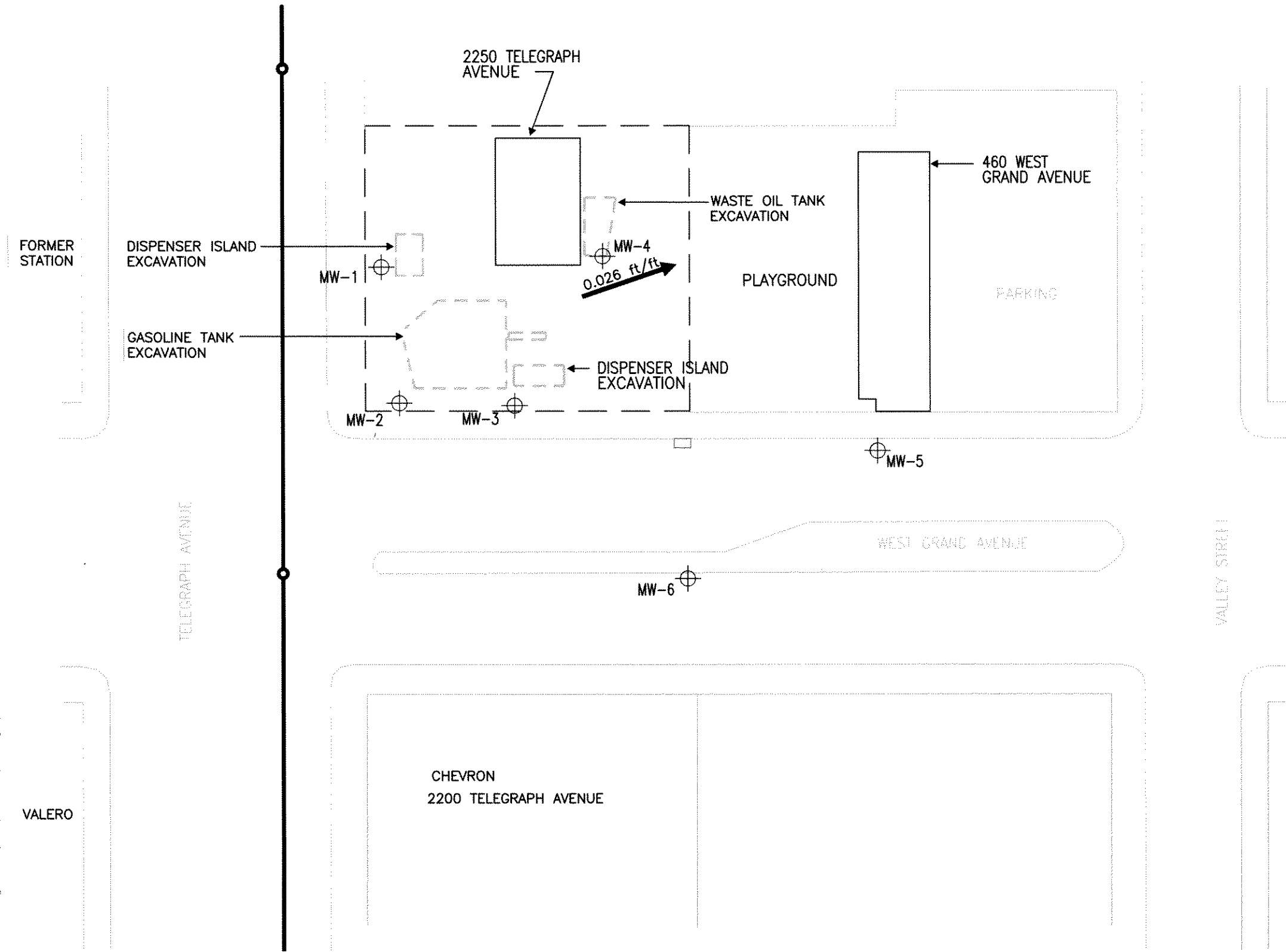
SOURCE: This Site Vicinity Map is based on The Thomas Guide Digital Edition 2003, Bay Area Metro, Alameda, Contra Costa, Marin, San Francisco, San Mateo, and Santa Clara Counties.



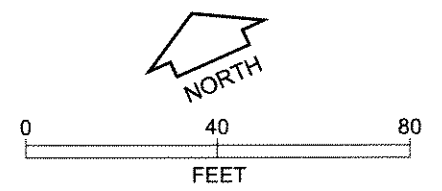
VICINITY MAP
2250 Telegraph Avenue
Oakland, California



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- EXPLANATION
- EXISTING STRUCTURE
 - LIMITS OF EXCAVATIONS
 - MONITORING WELL LOCATION
 - APPROXIMATE GROUNDWATER FLOW DIRECTION



SITE PLAN
2250 Telegraph Avenue
Oakland, California



APPENDIX A
WELL SAMPLING FORMS AND ANALYTICAL TEST REPORT AND CHAIN OF CUSTODY FORM



WELL SAMPLING FORM

PROJECT NAME: 2250 Telegraph Avenue
PROJECT NO.: 609.004
SAMPLED BY: Obi Nzewi
DATE: 10/27/2006
WEATHER: Bright Sunny warm

WELL NO.: MW-1
WELL CASING DIAMETER: 2"
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTCC): 18.31 FEET
CALCULATED PURGE VOLUME: 3.4 gallons
DEPTH TO GROUNDWATER (BTCC): 11.39 FEET
FREE PRODUCT: N/A
FEET OF WATER IN WELL: 6.92 FEET
PURGE METHOD: Disposable Bailer

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER

FIELD MEASUREMENTS

Table with 8 columns: GALLONS REMOVED, TIME, Temp, pH, CONDUCTIVITY (µS/CM), TDS (g/L), ORP (mV), DO (mg/l), COMMENTS. Contains 3 rows of data with handwritten values.

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTCC): TIME SAMPLED: 1100

SAMPLING METHOD Bailer

CONTAINERS / PRESERVATIVE: 4 / HCL none 40 ML 1 / none LITER Poly OTHER

- ANALYSES: (Note if any samples are field filtered)
TEHd, TEHmo (8015 w/ Silica gel)
TVHg, BTEX, MTBE (8015/8020)
VOCs (8260)
HVOCs (8260)
Title 22 Metals (6010/9000)
Fuel Oxy & Pb scavengers
Pesticides (8080)
PCBs (8080)
Sulfate (300.0)
Nitrate (300.0)
Fe 2+ - Field Filtered

MISC FIELD OBSERVATION:



WELL SAMPLING FORM

PROJECT NAME: 2250 Telegraph Avenue
 PROJECT NO.: 609.004
 SAMPLED BY: Obi Nzewi
 DATE: 10/27/2006
 WEATHER: Bright Sunny Warm

WELL NO.: MW-2
 WELL CASING DIAMETER: 2"
 TOC ELEVATION: _____

TOTAL DEPTH OF CASING (BTOC): 16.85 FEET
 DEPTH TO GROUNDWATER (BTOC): 11.92 FEET
 FEET OF WATER IN WELL: 4.93 FEET
 CALCULATED PURGE VOLUME: 2.4 gallons
 (feet of water * casing dia² * .0408 * # of Volumes)
 FREE PRODUCT: NA
 PURGE METHOD: Disposable Bailer

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER _____

FIELD MEASUREMENTS

| GALLONS REMOVED | TIME | Temp | pH | CONDUCTIVITY (µS/CM) | TDS (g/L) | ORP (mV) | DO (mg/l) | COMMENTS (odor, color, ...) |
|----------------------|------|-------|------|-------------------------|-----------|-------------|----------------------|--------------------------------|
| Downhole (Pre-Purge) | 1002 | 20.56 | 6.86 | 568 | 0.404 | 56.6 | 1.85 | |
| 1 | 1010 | 20.39 | 7.07 | 581 581 | 0.416 | 74.2 | 1.85 3.07 | |
| 2-5 | 1015 | 20.42 | 7.01 | 580 | 0.417 | 74.2 | 3.03 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): _____ TIME SAMPLED: 1020

SAMPLING METHOD Bailer

CONTAINERS / PRESERVATIVE: 4 / HCL none
40 ML LITER

Poly OTHER

ANALYSES: (Note if any samples are field filtered)
 TEHd, TEHmo (8015 w/ Silica gel) _____ Pesticides (8080) _____
 TVHg, BTEX, MTBE (8015/8020) _____ PCBs (8080) _____
 _____ VOCs (8260) _____ Sulfate (300.0) _____
 _____ HVOCs (8260) _____ Nitrate (300.0) _____
 _____ Title 22 Metals (6010/9000) _____ Fe²⁺ - Field Filtered _____
 5 fuel Oxy & Pb scavengers

MISC FIELD OBSERVATION: _____



WELL SAMPLING FORM

PROJECT NAME: 2250 Telegraph Avenue
 PROJECT NO.: 609.004
 SAMPLED BY: Obi Nzewi
 DATE: 10/27/2006
 WEATHER: Bright sunny mild

WELL NO.: MW-3
 WELL CASING DIAMETER: 2"
 TOC ELEVATION: _____

TOTAL DEPTH OF CASING (BTOC): 16.30 FEET
 DEPTH TO GROUNDWATER (BTOC): 10.63 FEET
 FEET OF WATER IN WELL: 5.67 FEET
 CALCULATED PURGE VOLUME: 2.78 gallons
 (feet of water * casing dia² * .0408 * # of Volumes)
 FREE PRODUCT: NA
 PURGE METHOD: Disposable Bailer

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER _____

FIELD MEASUREMENTS

| GALLONS REMOVED | TIME | Temp | pH | CONDUCTIVITY (µS/CM) | TDS (g/L) | ORP (mV) | DO (mg/l) | COMMENTS (odor, color, ...) |
|----------------------|------|-------|------|-------------------------|-----------|-------------|--------------|--------------------------------|
| Downhole (Pre-Purge) | 0925 | 20.48 | 6.53 | 926 | 0.659 | 29.6 | 1.45 | Slight hydrocarbon odor |
| 1 | 0932 | 20.48 | 6.71 | 1027 | 0.732 | -32.5 | 0.09 | 11 |
| 3 | 0934 | 20.36 | 6.72 | 1038 | 0.740 | -34.0 | 0.386 | 11 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): _____ TIME SAMPLED: 0945

SAMPLING METHOD Bailer

CONTAINERS / PRESERVATIVE: 4 / HCL / ~~none~~
 40 ML LITER
 _____ / _____
 Poly OTHER

- ANALYSES: (Note if any samples are field filtered)
- TEHd, TEHmo (8015 w/ Silica gel)
 - TVHg, BTEX, MTBE (8015/8020)
 - ____ VOCs (8260)
 - ____ HVOCs (8260)
 - ____ Title 22 Metals (6010/9000)
 - met Oxy & lead scan
 - ____ Pesticides (8080)
 - ____ PCBs (8080)
 - ____ Sulfate (300.0)
 - ____ Nitrate (300.0)
 - ____ Fe²⁺ - Field Filtered

MISC FIELD OBSERVATION: _____



WELL SAMPLING FORM

PROJECT NAME: 2250 Telegraph Avenue
 PROJECT NO.: 609.004
 SAMPLED BY: Obi Nzewi
 DATE: 10/27/2006
 WEATHER: Bright sunny warm

WELL NO.: MW-4
 WELL CASING DIAMETER: 2"
 TOC ELEVATION: _____

TOTAL DEPTH OF CASING (BTOC): 18.30 FEET
 DEPTH TO GROUNDWATER (BTOC): 12.75 FEET
 FEET OF WATER IN WELL: 5.55 FEET

CALCULATED PURGE VOLUME: 2.7 gallons
 (feet of water * casing dia² * .0408 * # of Volumes)

FREE PRODUCT: NA
 PURGE METHOD: _____

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER _____

FIELD MEASUREMENTS

| GALLONS REMOVED | TIME | Temp | pH | CONDUCTIVITY (µS/CM) | TDS (g/L) | ORP (mV) | DO (mg/l) | COMMENTS (odor, color, ...) |
|----------------------|------|-------|------|----------------------|-----------|----------|-----------|-----------------------------|
| Downhole (Pre-Purge) | 1115 | 20.2 | 6.71 | 618 | 0.439 | -87.6 | 1.24 | Hydrocarbon Odor |
| 2 | 1120 | 20.58 | 6.85 | 682 | 0.484 | -95.9 | 3.18 | " |
| 3 | 1124 | 20.64 | 6.87 | 696 | 0.493 | -96.2 | 3.13 | " |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): _____ TIME SAMPLED: 1130

SAMPLING METHOD Bailer

CONTAINERS / PRESERVATIVE: 4 / HCL
40 ML / none
Poly / LITER
 _____ / OTHER

ANALYSES: (Note if any samples are field filtered)

| | | |
|--|---|-------|
| <input checked="" type="checkbox"/> TEHd, TEHmo (8015 w/ Silica gel) | _____ Pesticides (8080) | _____ |
| <input checked="" type="checkbox"/> TVHg, BTEX, MTBE (8015/8020) | _____ PCBs (8080) | _____ |
| _____ VOCs (8260) | _____ Sulfate (300.0) | _____ |
| _____ HVOCs (8260) | _____ Nitrate (300.0) | _____ |
| _____ Title 22 Metals (6010/9000) | _____ Fe ²⁺ - Field Filtered | _____ |

MISC FIELD OBSERVATION: fuel Oxy & Pb scavengers.
Light steen visible on surface at purge water



WELL SAMPLING FORM

PROJECT NAME: 2250 Telegraph Avenue
 PROJECT NO.: 609.004
 SAMPLED BY: Obi Nzewi
 DATE: 10/27/2006
 WEATHER: Bright Sunny mild

WELL NO.: MW-5
 WELL CASING DIAMETER: 2"
 TOC ELEVATION: _____

TOTAL DEPTH OF CASING (BTOC): 17.4 FEET
 DEPTH TO GROUNDWATER (BTOC): 8.48 FEET
 FEET OF WATER IN WELL: 8.92 FEET
 CALCULATED PURGE VOLUME: 4.37 gallons
 (feet of water * casing dia² * .0408 * # of Volumes)
 FREE PRODUCT: NA
 PURGE METHOD: P. Disposable Bailter
 MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER _____

FIELD MEASUREMENTS

| GALLONS REMOVED | TIME | Temp | pH | CONDUCTIVITY (µS/CM) | TDS (g/L) | ORP (mV) | DO (mg/l) | COMMENTS (odor, color, ...) |
|----------------------|------|-------|------|----------------------|-----------|----------|-----------|--------------------------------|
| Downhole (Pre-Purge) | 0830 | 21.68 | 6.26 | H22 | 0.295 | 191.6 | 2.36 | slight yellow color |
| 2 | 0842 | 21.05 | 6.54 | H26 | 0.300 | 194.6 | 3.81 | turbid |
| 4.5 | 0850 | 20.99 | 6.52 | H28 | 0.302 | 186.7 | 3.56 | " |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

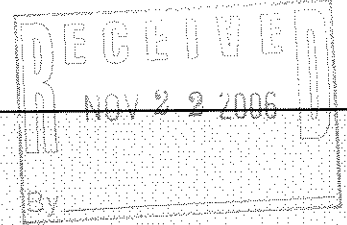
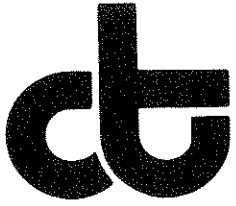
ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): _____ TIME SAMPLED: 0900

SAMPLING METHOD Bailer

CONTAINERS / PRESERVATIVE: 4 / HCL none
 40 ML LITER
 Poly OTHER

ANALYSES: (Note if any samples are field filtered)
 TEHd, TEHmo (8015 w/ Silica gel) _____ Pesticides (8080) _____
 TVHg, BTEX, MTBE (8015/8020) _____ PCBs (8080) _____
 _____ VOCs (8260) _____ Sulfate (300.0) _____
 _____ HVOCs (8260) _____ Nitrate (300.0) _____
 _____ Title 22 Metals (6010/9000) _____ Fe²⁺ - Field Filtered _____
 Fuel Oxygenates & lead Scav

MISC FIELD OBSERVATION: _____



ANALYTICAL REPORT

Prepared for:

Fugro West Inc.
1000 Broadway
Suite 440
Oakland, CA 94607

Date: 10-NOV-06
Lab Job Number: 190393
Project ID: 609.004
Location: 2250 Telgraph Av. Oakland

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: *Robert Butcher SES*
Project Manager

Reviewed by: *[Signature]*
Operations Manager

This package may be reproduced only in its entirety

CASE NARRATIVE

Laboratory number: 190393
Client: Fugro West Inc.
Project: 609.004
Location: 2250 Telgraph Av. Oakland
Request Date: 10/27/06
Samples Received: 10/27/06

This hardcopy data package contains sample and QC results for five water samples, requested for the above referenced project on 10/27/06. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):

High surrogate recoveries were observed for bromofluorobenzene (FID) and trifluorotoluene (FID) in MW-3 (lab # 190393-003) and MW-4 (lab # 190393-004), due to interference from coeluting hydrocarbon peaks. No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

Low recovery was observed for isopropyl ether (DIPE) in the MS for batch 118994; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. No other analytical problems were encountered.

Total Volatile Hydrocarbons

| | | | |
|-----------|-----------------|-----------|---------------------------|
| Lab #: | 190393 | Location: | 2250 Telgraph Av. Oakland |
| Client: | Fugro West Inc. | Prep: | EPA 5030B |
| Project#: | 609.004 | Analysis: | EPA 8015B |
| Matrix: | Water | Batch#: | 118818 |
| Units: | ug/L | Sampled: | 10/27/06 |
| Diln Fac: | 1.000 | Received: | 10/27/06 |

| | | | |
|-----------|--------|-----------|------------|
| Field ID: | MW-1 | Lab ID: | 190393-001 |
| Type: | SAMPLE | Analyzed: | 10/28/06 |

| Analyte | Result | RL |
|-----------------|--------|----|
| Gasoline C7-C12 | 250 Y | 50 |

| Surrogate | %REC | Limits |
|--------------------------|------|--------|
| Trifluorotoluene (FID) | 113 | 69-137 |
| Bromofluorobenzene (FID) | 118 | 80-133 |

| | | | |
|-----------|--------|-----------|------------|
| Field ID: | MW-2 | Lab ID: | 190393-002 |
| Type: | SAMPLE | Analyzed: | 10/28/06 |

| Analyte | Result | RL |
|-----------------|--------|----|
| Gasoline C7-C12 | ND | 50 |

| Surrogate | %REC | Limits |
|--------------------------|------|--------|
| Trifluorotoluene (FID) | 101 | 69-137 |
| Bromofluorobenzene (FID) | 99 | 80-133 |

| | | | |
|-----------|--------|-----------|------------|
| Field ID: | MW-3 | Lab ID: | 190393-003 |
| Type: | SAMPLE | Analyzed: | 10/28/06 |

| Analyte | Result | RL |
|-----------------|--------|----|
| Gasoline C7-C12 | 5,300 | 50 |

| Surrogate | %REC | Limits |
|--------------------------|-------|--------|
| Trifluorotoluene (FID) | 103 | 69-137 |
| Bromofluorobenzene (FID) | 151 * | 80-133 |

*= Value outside of QC limits; see narrative

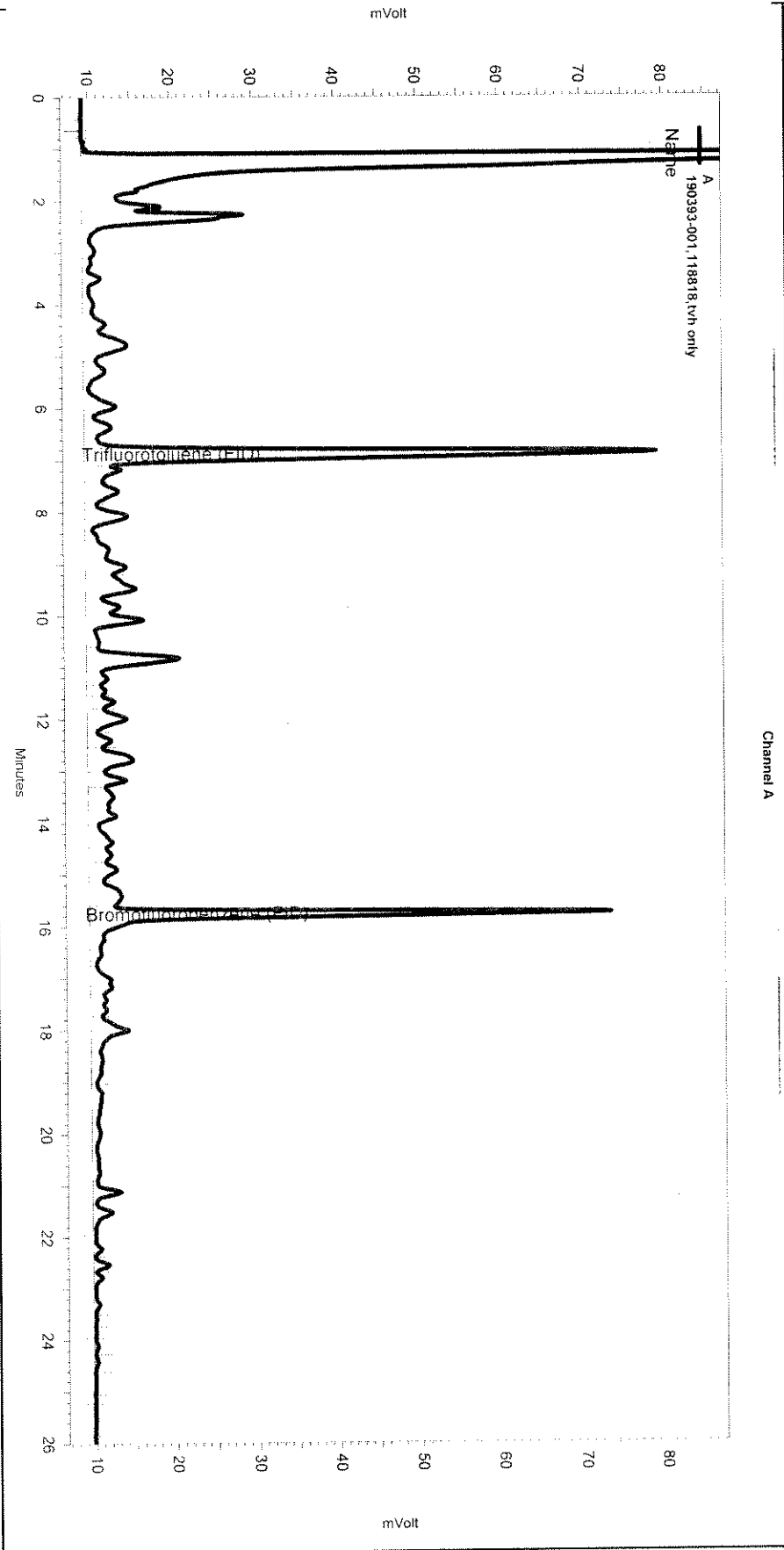
Y= Sample exhibits chromatographic pattern which does not resemble standard

ND= Not Detected

RL= Reporting Limit

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\300.seq
 Sample Name: 190393-001,118818,tvh only
 Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\300_028
 Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tvhbx298.met

Software Version 3.1.7
 Run Date: 10/28/2006 2:33:03 AM
 Analysis Date: 10/30/2006 9:45:14 AM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: b1.3



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---------|------------|-----------------|----------------|-------|
| Yes | Width | 0 | 0 | 0.2 |
| Yes | Threshold | 0 | 0 | 50 |

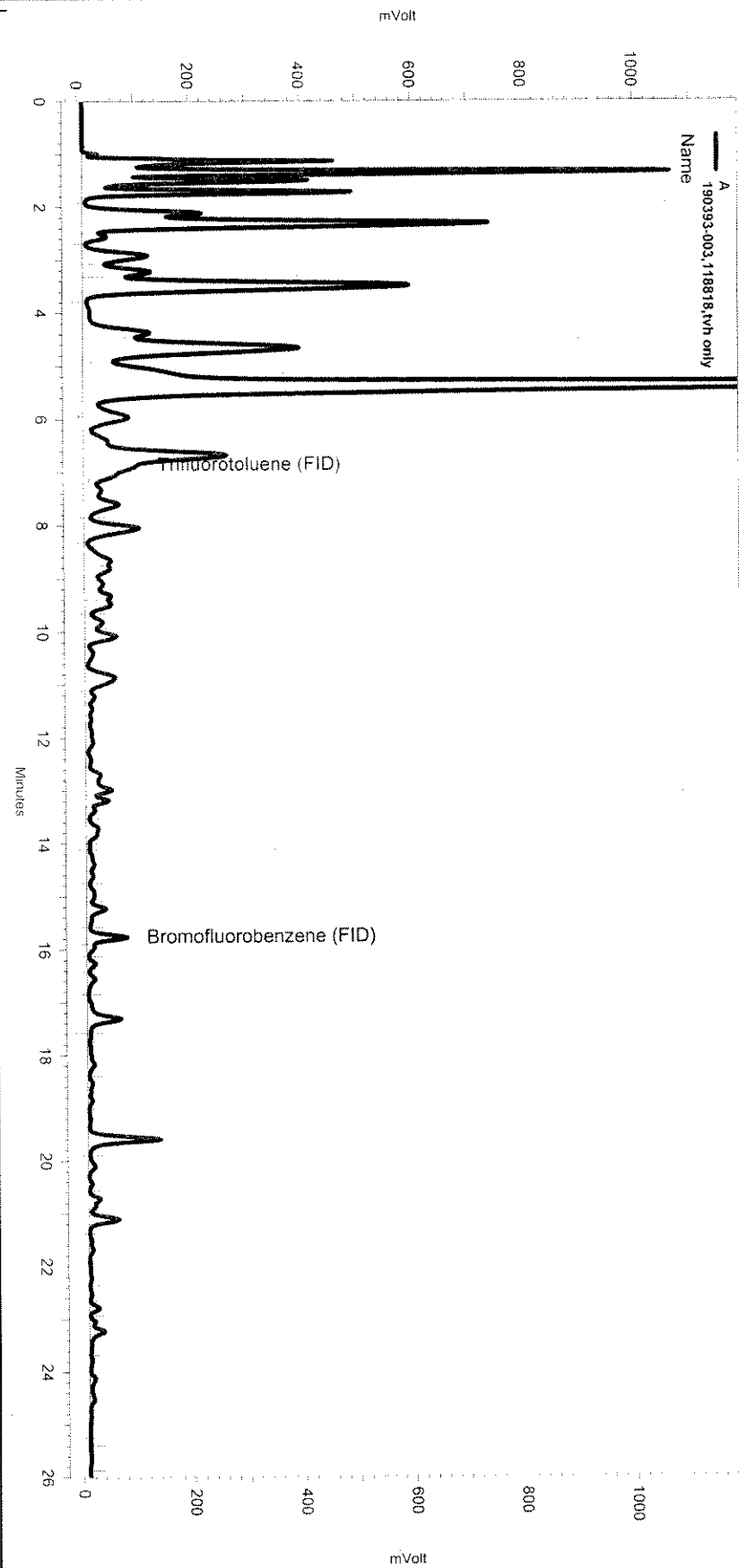
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\300_028

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---------|------------|-----------------|----------------|-------|
| Yes | Split Peak | 15.928 | 0 | 0 |

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\300.seq
 Sample Name: 190393-003,118818.tvh only
 Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\300_030
 Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2. Analyst: (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tvhbtxe298.met

Software Version 3.1.7
 Run Date: 10/28/2006 3:48:13 AM
 Analysis Date: 10/30/2006 9:45:23 AM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: b1.3



<< General Method Parameters >>

No items selected for this section

<< A >>

No items selected for this section

Integration Events

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---------|------------|-----------------|----------------|-------|
| Yes | Width | 0 | 0 | 0.2 |
| Yes | Threshold | 0 | 0 | 50 |

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\300_030

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---------|----------------------------------|-----------------|----------------|-------|
| Yes | Lowest Point Horizontal Baseline | 0 | 26.017 | 0 |
| Yes | Split Peak | 6.854 | 0 | 0 |
| Yes | Split Peak | 6.985 | 0 | 0 |
| Yes | Split Peak | 15.904 | 0 | 0 |

Channel A

Total Volatile Hydrocarbons

| | | | |
|-----------|-----------------|-----------|---------------------------|
| Lab #: | 190393 | Location: | 2250 Telgraph Av. Oakland |
| Client: | Fugro West Inc. | Prep: | EPA 5030B |
| Project#: | 609.004 | Analysis: | EPA 8015B |
| Matrix: | Water | Batch#: | 118818 |
| Units: | ug/L | Sampled: | 10/27/06 |
| Diln Fac: | 1.000 | Received: | 10/27/06 |

| | |
|----------------|--------------------|
| Field ID: MW-4 | Lab ID: 190393-004 |
| Type: SAMPLE | Analyzed: 10/28/06 |

| Analyte | Result | RL |
|-----------------|---------|----|
| Gasoline C7-C12 | 2,200 Y | 50 |

| Surrogate | %REC | Limits |
|--------------------------|-------|--------|
| Trifluorotoluene (FID) | 172 * | 69-137 |
| Bromofluorobenzene (FID) | 164 * | 80-133 |

| | |
|----------------|--------------------|
| Field ID: MW-5 | Lab ID: 190393-005 |
| Type: SAMPLE | Analyzed: 10/28/06 |

| Analyte | Result | RL |
|-----------------|--------|----|
| Gasoline C7-C12 | ND | 50 |

| Surrogate | %REC | Limits |
|--------------------------|------|--------|
| Trifluorotoluene (FID) | 112 | 69-137 |
| Bromofluorobenzene (FID) | 103 | 80-133 |

| | |
|------------------|--------------------|
| Type: BLANK | Analyzed: 10/27/06 |
| Lab ID: QC361930 | |

| Analyte | Result | RL |
|-----------------|--------|----|
| Gasoline C7-C12 | ND | 50 |

| Surrogate | %REC | Limits |
|--------------------------|------|--------|
| Trifluorotoluene (FID) | 110 | 69-137 |
| Bromofluorobenzene (FID) | 109 | 80-133 |

*= Value outside of QC limits; see narrative

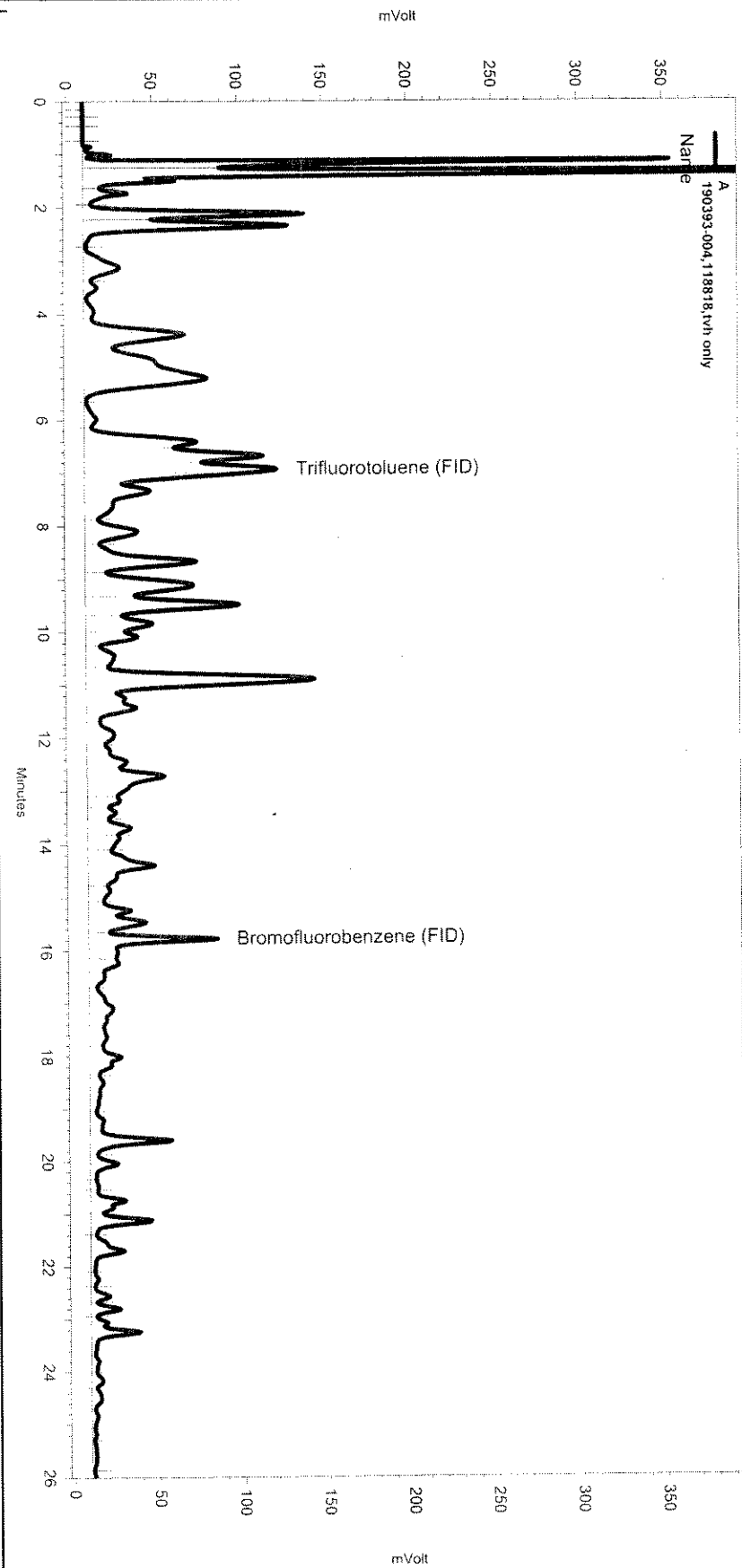
Y= Sample exhibits chromatographic pattern which does not resemble standard

ND= Not Detected

RL= Reporting Limit

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\300.seq
 Sample Name: 190393-004,118818,tvh only
 Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\300_031
 Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2. Analyst (jims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tvhbtxe298.met

Software Version 3.1.7
 Run Date: 10/28/2006 4:25:53 AM
 Analysis Date: 10/30/2006 9:45:27 AM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: b1.6



<< General Method Parameters >>

No items selected for this section

<< A >>

No items selected for this section

Integration Events

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---------|------------|-----------------|----------------|-------|
| Yes | Width | 0 | 0 | 0.2 |
| Yes | Threshold | 0 | 0 | 50 |

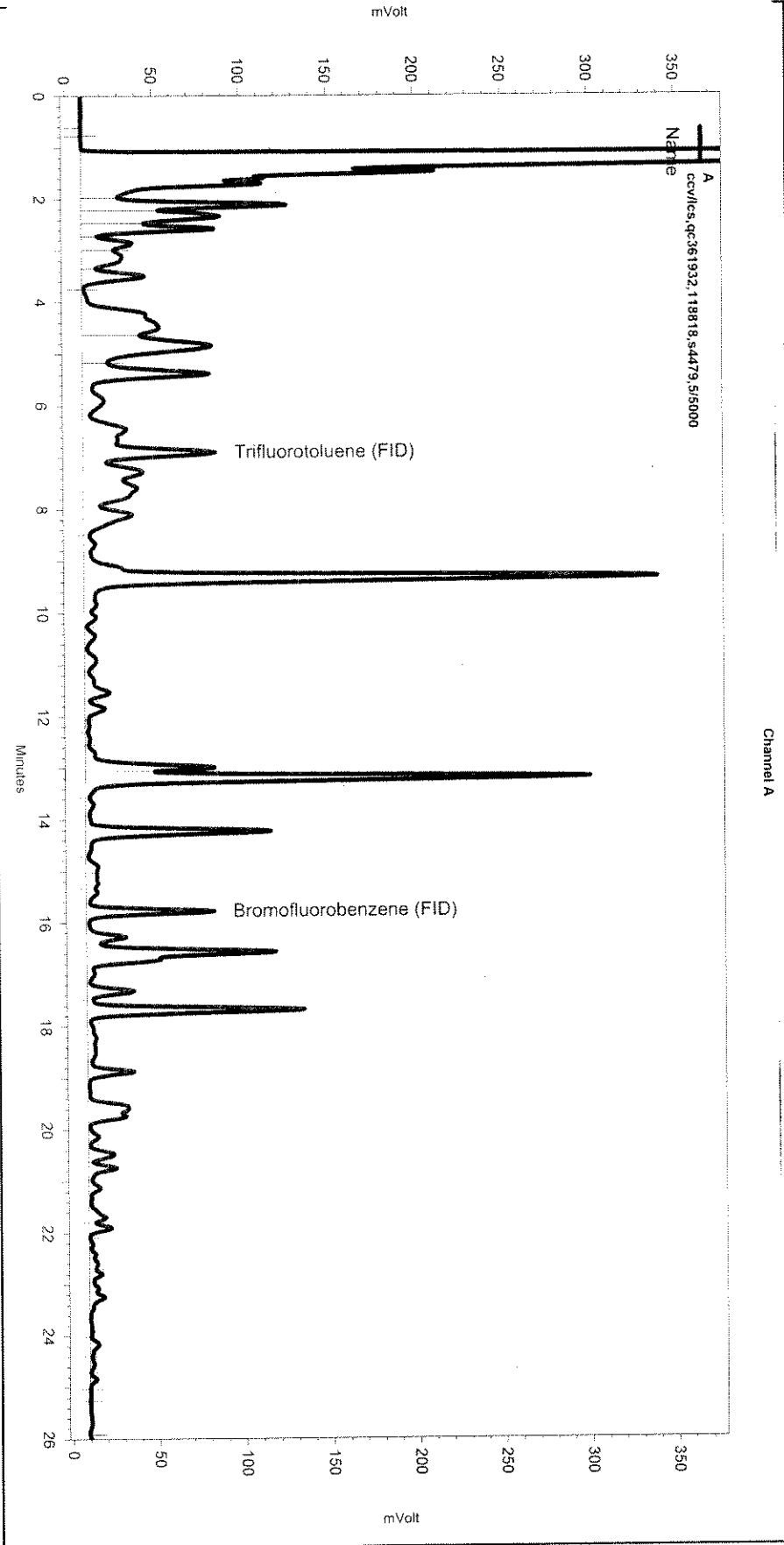
Manual integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\300_031

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---------|--------------------------------|-----------------|----------------|-------|
| Yes | Lowest Point Horizontal Baseli | 0 | 26.017 | 0 |
| Yes | Split Peak | 7.004 | 0 | 0 |

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\300.seq
 Sample Name: ccv/lcs,qc361932,118818,s4479,5/5000
 Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\300_003
 Instrument: GC19 (Offline) Vial: N/A Operator: Tyh 2. Analyst (lms2k3\tyh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tyhbtxe298.met

Software Version 3.1.7
 Run Date: 10/27/2006 10:31:59 AM
 Analysis Date: 10/30/2006 9:43:31 AM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: (Data Description)



<< General Method Parameters >>

No items selected for this section

<< A >>

No items selected for this section

Integration Events

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---------|------------|-----------------|----------------|-------|
| Yes | Width | 0 | 0 | 0.2 |
| Yes | Threshold | 0 | 0 | 50 |

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\300_003

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---------|------------|-----------------|----------------|-------|
| Yes | Split Peak | 6.779 | 0 | 0 |
| Yes | Split Peak | 15.897 | 0 | 0 |

gasoline

Batch QC Report

| Total Volatile Hydrocarbons | | | |
|-----------------------------|-----------------|-----------|---------------------------|
| Lab #: | 190393 | Location: | 2250 Telgraph Av. Oakland |
| Client: | Fugro West Inc. | Prep: | EPA 5030B |
| Project#: | 609.004 | Analysis: | EPA 8015B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC361932 | Batch#: | 118818 |
| Matrix: | Water | Analyzed: | 10/27/06 |
| Units: | ug/L | | |

| Analyte | Spiked | Result | %REC | Limits |
|-----------------|--------|--------|------|--------|
| Gasoline C7-C12 | 2,000 | 1,869 | 93 | 80-120 |

| Surrogate | %REC | Limits |
|--------------------------|------|--------|
| Trifluorotoluene (FID) | 123 | 69-137 |
| Bromofluorobenzene (FID) | 128 | 80-133 |

Batch QC Report

| Total Volatile Hydrocarbons | | | |
|-----------------------------|-----------------|-----------|---------------------------|
| Lab #: | 190393 | Location: | 2250 Telgraph Av. Oakland |
| Client: | Fugro West Inc. | Prep: | EPA 5030B |
| Project#: | 609.004 | Analysis: | EPA 8015B |
| Field ID: | ZZZZZZZZZZ | Batch#: | 118818 |
| MSS Lab ID: | 190232-001 | Sampled: | 10/19/06 |
| Matrix: | Water | Received: | 10/20/06 |
| Units: | ug/L | Analyzed: | 10/28/06 |
| Diln Fac: | 1.000 | | |

Type: MS Lab ID: QC361979

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|-----------------|------------|--------|--------|------|--------|
| Gasoline C7-C12 | <27.03 | 2,000 | 1,973 | 99 | 80-120 |

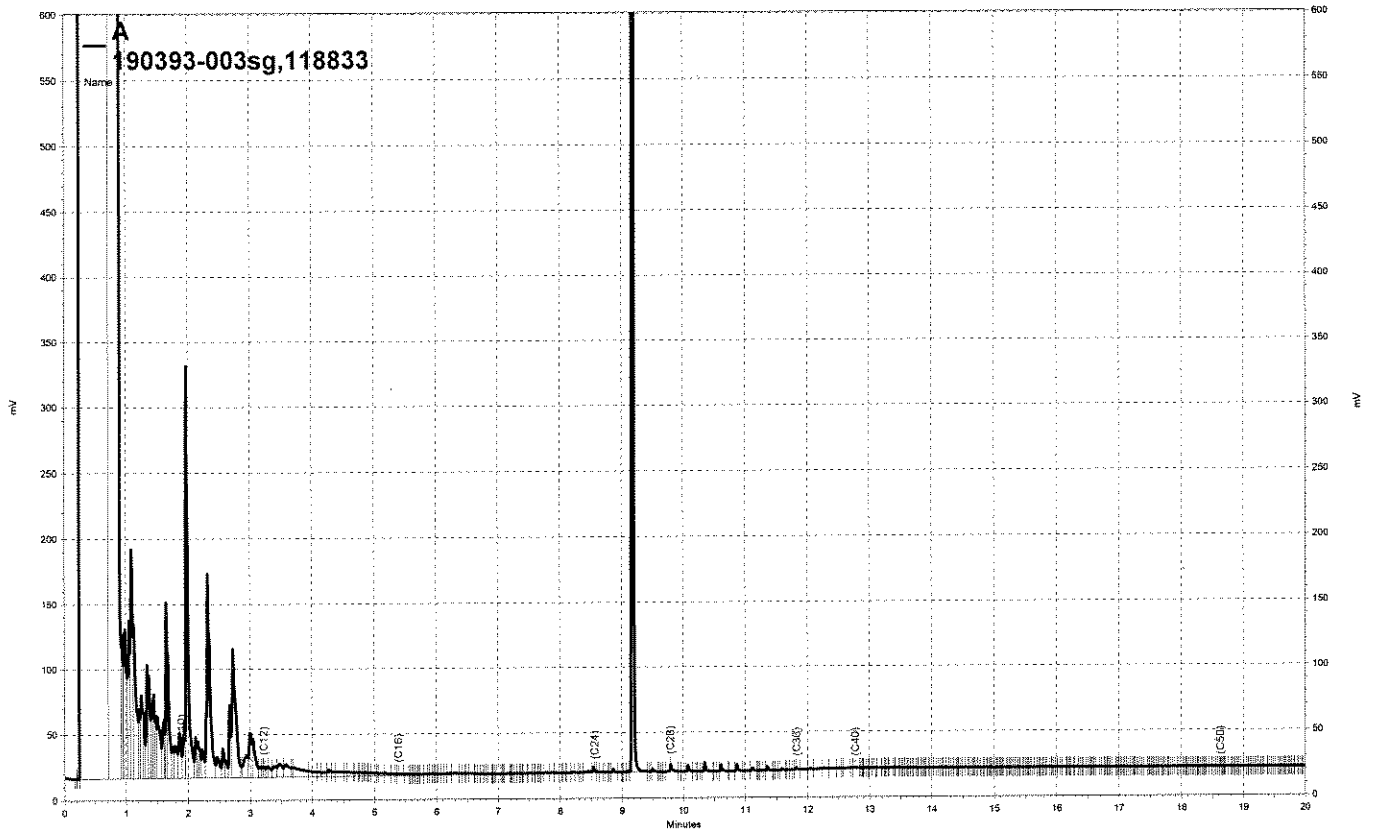
| Surrogate | %REC | Limits |
|--------------------------|------|--------|
| Trifluorotoluene (FID) | 122 | 69-137 |
| Bromofluorobenzene (FID) | 127 | 80-133 |

Type: MSD Lab ID: QC361980

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|-----------------|--------|--------|------|--------|-----|-----|
| Gasoline C7-C12 | 2,000 | 1,932 | 97 | 80-120 | 2 | 20 |

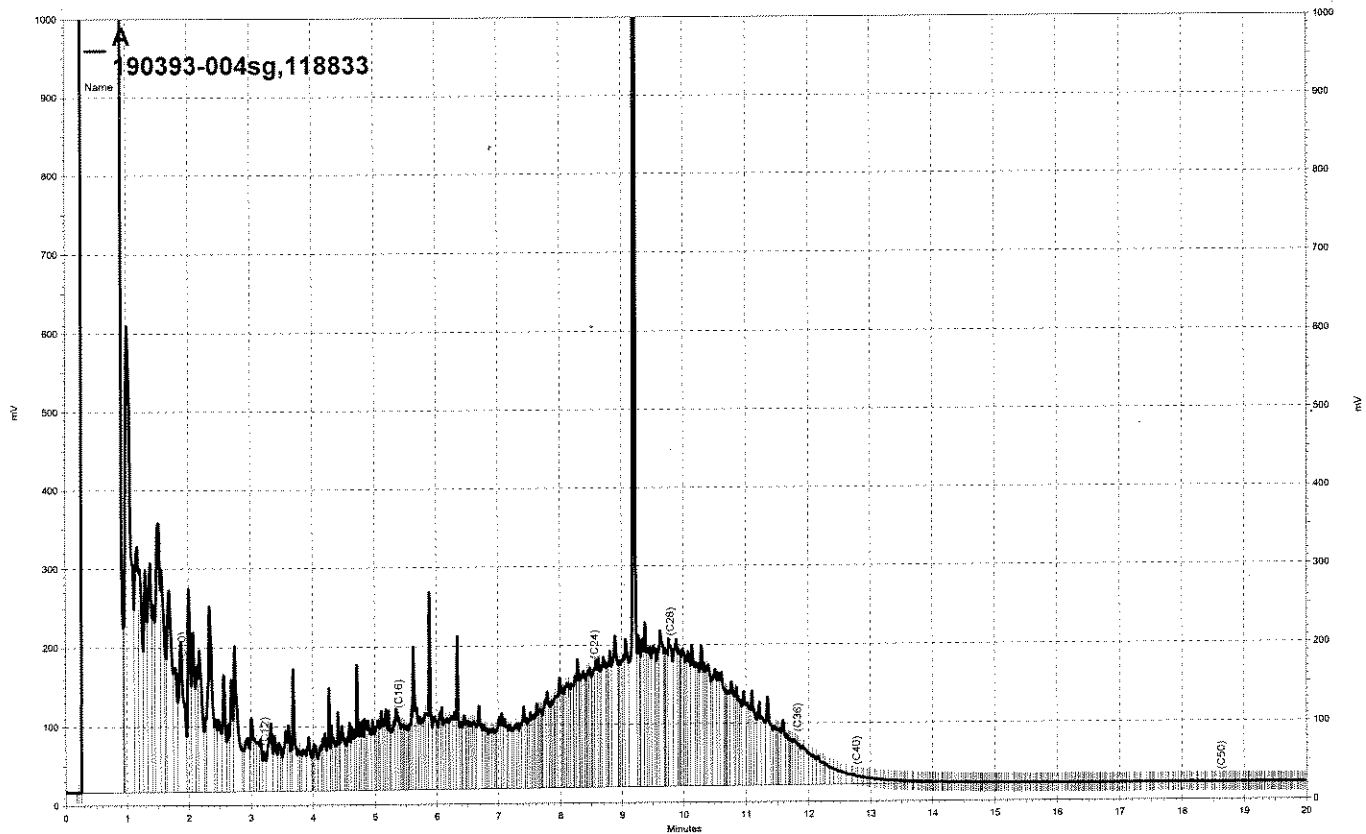
| Surrogate | %REC | Limits |
|--------------------------|------|--------|
| Trifluorotoluene (FID) | 131 | 69-137 |
| Bromofluorobenzene (FID) | 129 | 80-133 |

RPD= Relative Percent Difference



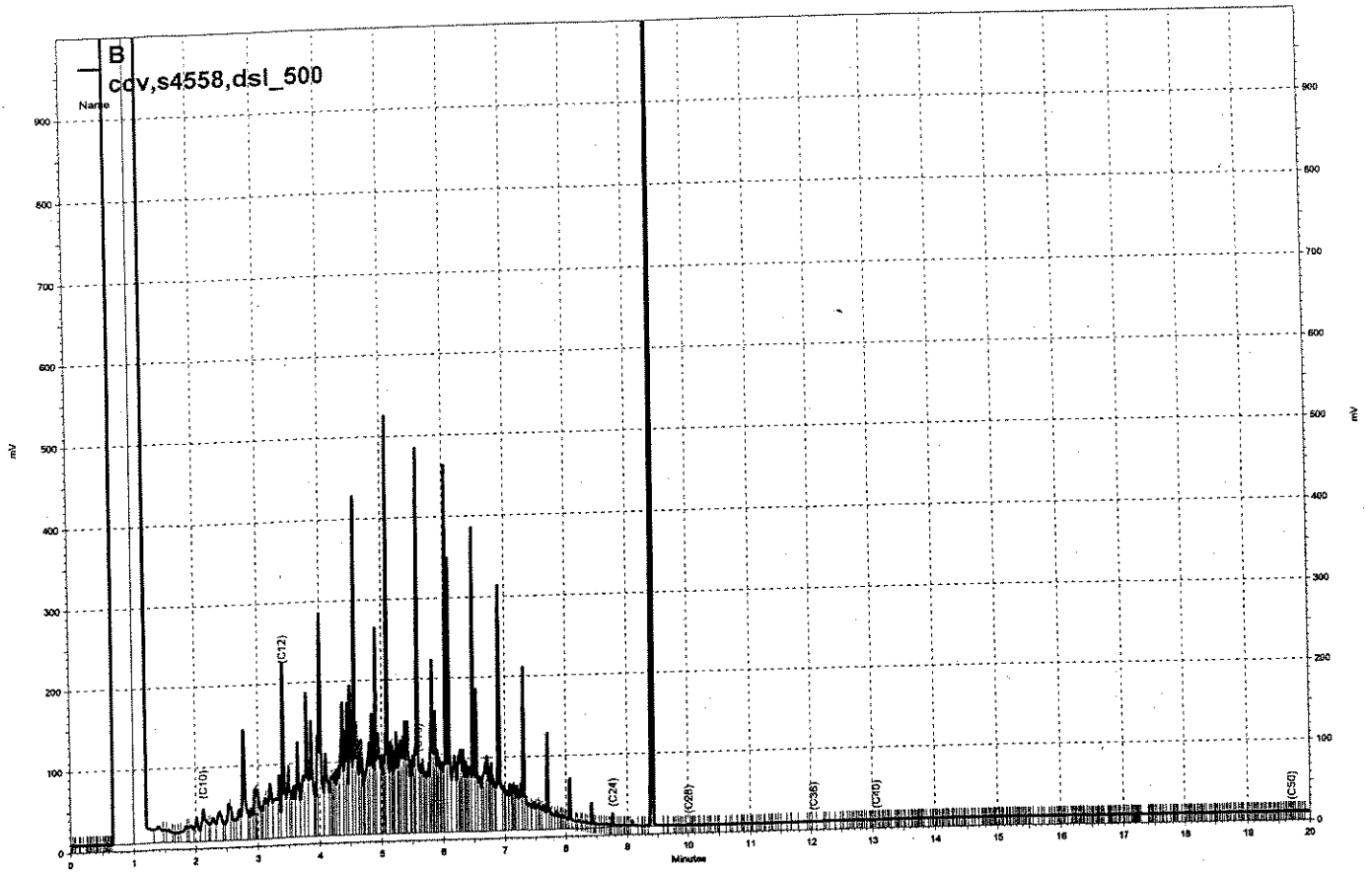
\\Lims\gdrive\ezchrom\Projects\GC11A\Data\303a049, A

MW-3

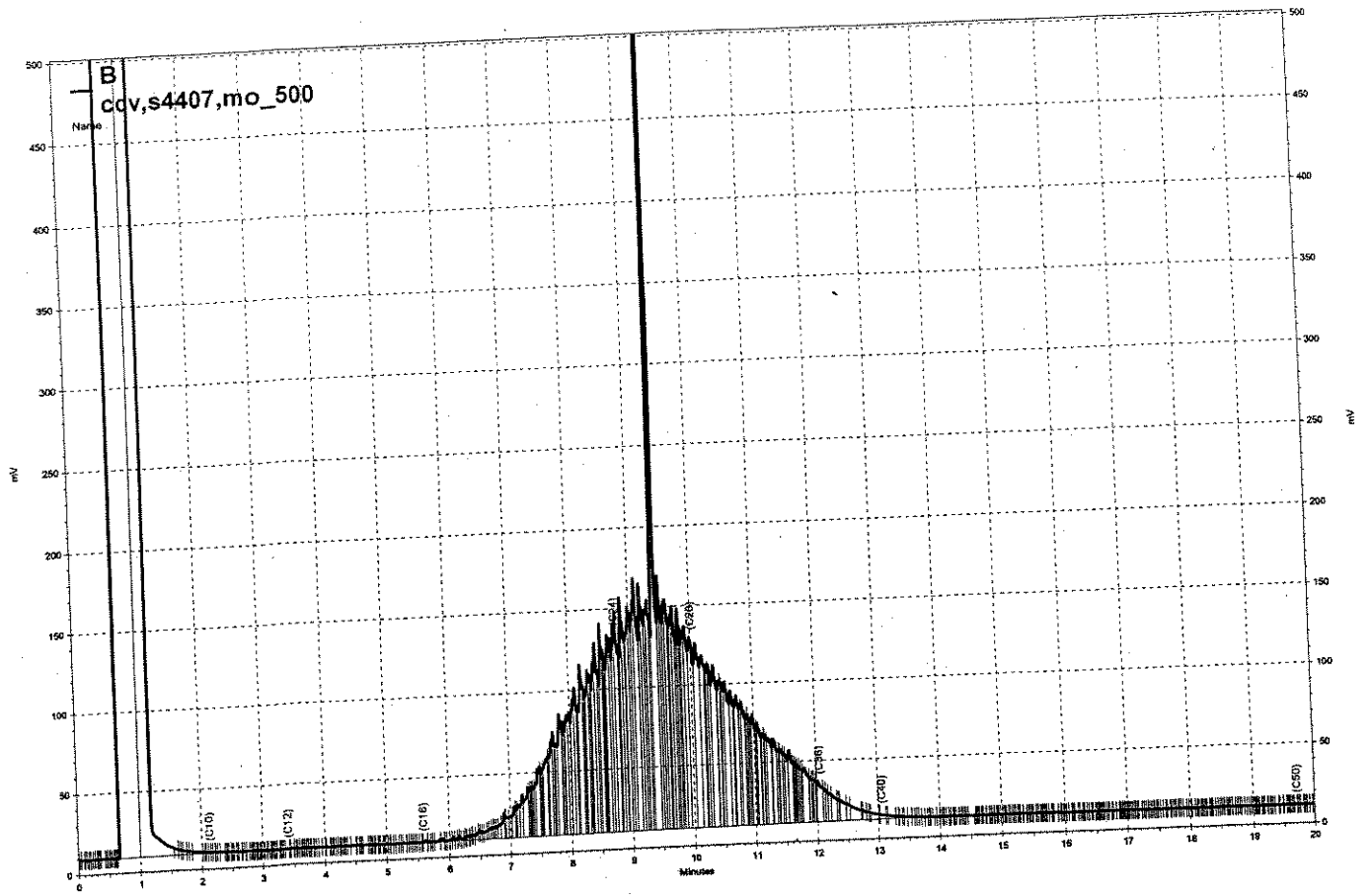


\\Lims\gdrive\ezchrom\Projects\GC11A\Data\303a050, A

MW-4



diesel



motor oil

Batch QC Report

| Total Extractable Hydrocarbons | | | |
|--------------------------------|-----------------|-----------|---------------------------|
| Lab #: | 190393 | Location: | 2250 Telgraph Av. Oakland |
| Client: | Fugro West Inc. | Prep: | EPA 3520C |
| Project#: | 609.004 | Analysis: | EPA 8015B |
| Matrix: | Water | Batch#: | 118833 |
| Units: | ug/L | Prepared: | 10/27/06 |
| Diln Fac: | 1.000 | Analyzed: | 10/30/06 |

Type: BS
Lab ID: QC361977

Cleanup Method: EPA 3630C

| Analyte | Spiked | Result | %REC | Limits |
|----------------|--------|--------|------|--------|
| Diesel C10-C24 | 2,500 | 2,193 | 88 | 61-133 |

| Surrogate | %REC | Limits |
|------------|------|--------|
| Hexacosane | 93 | 65-130 |

Type: BSD
Lab ID: QC361978

Cleanup Method: EPA 3630C

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|----------------|--------|--------|------|--------|-----|-----|
| Diesel C10-C24 | 2,500 | 2,157 | 86 | 61-133 | 2 | 31 |

| Surrogate | %REC | Limits |
|------------|------|--------|
| Hexacosane | 89 | 65-130 |

RPD= Relative Percent Difference

| BTXE & Oxygenates | | | |
|-------------------|-----------------|-----------|---------------------------|
| Lab #: | 190393 | Location: | 2250 Telgraph Av. Oakland |
| Client: | Fugro West Inc. | Prep: | EPA 5030B |
| Project#: | 609.004 | Analysis: | EPA 8260B |
| Field ID: | MW-1 | Batch#: | 118994 |
| Lab ID: | 190393-001 | Sampled: | 10/27/06 |
| Matrix: | Water | Received: | 10/27/06 |
| Units: | ug/L | Analyzed: | 11/02/06 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|-------------------------------|--------|-----|
| tert-Butyl Alcohol (TBA) | 12 | 10 |
| MTBE | ND | 0.5 |
| Isopropyl Ether (DIPE) | ND | 0.5 |
| Ethyl tert-Butyl Ether (ETBE) | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | ND | 0.5 |
| Methyl tert-Amyl Ether (TAME) | ND | 0.5 |
| Toluene | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 113 | 80-120 |
| 1,2-Dichloroethane-d4 | 112 | 80-130 |
| Toluene-d8 | 100 | 80-120 |
| Bromofluorobenzene | 103 | 80-122 |

ND= Not Detected
 RL= Reporting Limit

BTXE & Oxygenates

| | | | |
|-----------|-----------------|-----------|---------------------------|
| Lab #: | 190393 | Location: | 2250 Telgraph Av. Oakland |
| Client: | Fugro West Inc. | Prep: | EPA 5030B |
| Project#: | 609.004 | Analysis: | EPA 8260B |
| Field ID: | MW-2 | Batch#: | 118994 |
| Lab ID: | 190393-002 | Sampled: | 10/27/06 |
| Matrix: | Water | Received: | 10/27/06 |
| Units: | ug/L | Analyzed: | 11/02/06 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|-------------------------------|--------|-----|
| tert-Butyl Alcohol (TBA) | ND | 10 |
| MTBE | ND | 0.5 |
| Isopropyl Ether (DIPE) | ND | 0.5 |
| Ethyl tert-Butyl Ether (ETBE) | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | ND | 0.5 |
| Methyl tert-Amyl Ether (TAME) | ND | 0.5 |
| Toluene | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 114 | 80-120 |
| 1,2-Dichloroethane-d4 | 111 | 80-130 |
| Toluene-d8 | 96 | 80-120 |
| Bromofluorobenzene | 105 | 80-122 |

ND= Not Detected
 RL= Reporting Limit

BTXE & Oxygenates

| | | | |
|-----------|-----------------|-----------|---------------------------|
| Lab #: | 190393 | Location: | 2250 Telgraph Av. Oakland |
| Client: | Fugro West Inc. | Prep: | EPA 5030B |
| Project#: | 609.004 | Analysis: | EPA 8260B |
| Field ID: | MW-3 | Batch#: | 118994 |
| Lab ID: | 190393-003 | Sampled: | 10/27/06 |
| Matrix: | Water | Received: | 10/27/06 |
| Units: | ug/L | Analyzed: | 11/02/06 |
| Diln Fac: | 20.00 | | |

| Analyte | Result | RL |
|-------------------------------|--------|-----|
| tert-Butyl Alcohol (TBA) | ND | 200 |
| MTBE | ND | 10 |
| Isopropyl Ether (DIPE) | ND | 10 |
| Ethyl tert-Butyl Ether (ETBE) | ND | 10 |
| 1,2-Dichloroethane | ND | 10 |
| Benzene | 950 | 10 |
| Methyl tert-Amyl Ether (TAME) | ND | 10 |
| Toluene | 13 | 10 |
| 1,2-Dibromoethane | ND | 10 |
| Ethylbenzene | 17 | 10 |
| m,p-Xylenes | 11 | 10 |
| o-Xylene | ND | 10 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 110 | 80-120 |
| 1,2-Dichloroethane-d4 | 103 | 80-130 |
| Toluene-d8 | 94 | 80-120 |
| Bromofluorobenzene | 106 | 80-122 |

ND= Not Detected

RL= Reporting Limit

| BTXE & Oxygenates | | | |
|-------------------|-----------------|-----------|---------------------------|
| Lab #: | 190393 | Location: | 2250 Telgraph Av. Oakland |
| Client: | Fugro West Inc. | Prep: | EPA 5030B |
| Project#: | 609.004 | Analysis: | EPA 8260B |
| Field ID: | MW-4 | Batch#: | 118994 |
| Lab ID: | 190393-004 | Sampled: | 10/27/06 |
| Matrix: | Water | Received: | 10/27/06 |
| Units: | ug/L | Analyzed: | 11/02/06 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|-------------------------------|--------|-----|
| tert-Butyl Alcohol (TBA) | ND | 10 |
| MTBE | ND | 0.5 |
| Isopropyl Ether (DIPE) | ND | 0.5 |
| Ethyl tert-Butyl Ether (ETBE) | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | 0.5 | 0.5 |
| Methyl tert-Amyl Ether (TAME) | ND | 0.5 |
| Toluene | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 112 | 80-120 |
| 1,2-Dichloroethane-d4 | 107 | 80-130 |
| Toluene-d8 | 97 | 80-120 |
| Bromofluorobenzene | 108 | 80-122 |

ND= Not Detected
 RL= Reporting Limit

BTXE & Oxygenates

| | | | |
|-----------|-----------------|-----------|---------------------------|
| Lab #: | 190393 | Location: | 2250 Telgraph Av. Oakland |
| Client: | Fugro West Inc. | Prep: | EPA 5030B |
| Project#: | 609.004 | Analysis: | EPA 8260B |
| Field ID: | MW-5 | Batch#: | 119026 |
| Lab ID: | 190393-005 | Sampled: | 10/27/06 |
| Matrix: | Water | Received: | 10/27/06 |
| Units: | ug/L | Analyzed: | 11/03/06 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|-------------------------------|--------|-----|
| tert-Butyl Alcohol (TBA) | ND | 10 |
| MTBE | ND | 0.5 |
| Isopropyl Ether (DIPE) | ND | 0.5 |
| Ethyl tert-Butyl Ether (ETBE) | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | ND | 0.5 |
| Methyl tert-Amyl Ether (TAME) | ND | 0.5 |
| Toluene | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 110 | 80-120 |
| 1,2-Dichloroethane-d4 | 111 | 80-130 |
| Toluene-d8 | 102 | 80-120 |
| Bromofluorobenzene | 99 | 80-122 |

ND= Not Detected

RL= Reporting Limit

Batch QC Report

| BTXE & Oxygenates | | | |
|-------------------|-----------------|-----------|---------------------------|
| Lab #: | 190393 | Location: | 2250 Telgraph Av. Oakland |
| Client: | Fugro West Inc. | Prep: | EPA 5030B |
| Project#: | 609.004 | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC362684 | Batch#: | 118994 |
| Matrix: | Water | Analyzed: | 11/02/06 |
| Units: | ug/L | | |

| Analyte | Result | RL |
|-------------------------------|--------|-----|
| tert-Butyl Alcohol (TBA) | ND | 10 |
| MTBE | ND | 0.5 |
| Isopropyl Ether (DIPE) | ND | 0.5 |
| Ethyl tert-Butyl Ether (ETBE) | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | ND | 0.5 |
| Methyl tert-Amyl Ether (TAME) | ND | 0.5 |
| Toluene | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 109 | 80-120 |
| 1,2-Dichloroethane-d4 | 108 | 80-130 |
| Toluene-d8 | 98 | 80-120 |
| Bromofluorobenzene | 106 | 80-122 |

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

| BTXE & Oxygenates | | | |
|-------------------|-----------------|-----------|---------------------------|
| Lab #: | 190393 | Location: | 2250 Telgraph Av. Oakland |
| Client: | Fugro West Inc. | Prep: | EPA 5030B |
| Project#: | 609.004 | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC362815 | Batch#: | 119026 |
| Matrix: | Water | Analyzed: | 11/03/06 |
| Units: | ug/L | | |

| Analyte | Result | RL |
|-------------------------------|--------|-----|
| tert-Butyl Alcohol (TBA) | ND | 10 |
| MTBE | ND | 0.5 |
| Isopropyl Ether (DIPE) | ND | 0.5 |
| Ethyl tert-Butyl Ether (ETBE) | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | ND | 0.5 |
| Methyl tert-Amyl Ether (TAME) | ND | 0.5 |
| Toluene | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 106 | 80-120 |
| 1,2-Dichloroethane-d4 | 107 | 80-130 |
| Toluene-d8 | 100 | 80-120 |
| Bromofluorobenzene | 99 | 80-122 |

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

| BTXE & Oxygenates | | | |
|-------------------|-----------------|-----------|---------------------------|
| Lab #: | 190393 | Location: | 2250 Telgraph Av. Oakland |
| Client: | Fugro West Inc. | Prep: | EPA 5030B |
| Project#: | 609.004 | Analysis: | EPA 8260B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC362683 | Batch#: | 118994 |
| Matrix: | Water | Analyzed: | 11/02/06 |
| Units: | ug/L | | |

| Analyte | Spiked | Result | %REC | Limits |
|-------------------------------|--------|--------|------|--------|
| tert-Butyl Alcohol (TBA) | 125.0 | 134.6 | 108 | 64-141 |
| MTBE | 25.00 | 24.51 | 98 | 72-120 |
| Isopropyl Ether (DIPE) | 25.00 | 18.57 | 74 | 68-123 |
| Ethyl tert-Butyl Ether (ETBE) | 25.00 | 25.42 | 102 | 77-129 |
| 1,2-Dichloroethane | 25.00 | 23.72 | 95 | 77-120 |
| Benzene | 25.00 | 20.15 | 81 | 80-120 |
| Methyl tert-Amyl Ether (TAME) | 25.00 | 21.71 | 87 | 77-120 |
| Toluene | 25.00 | 21.14 | 85 | 80-120 |
| 1,2-Dibromoethane | 25.00 | 23.49 | 94 | 80-120 |
| Ethylbenzene | 25.00 | 21.43 | 86 | 80-120 |
| m,p-Xylenes | 50.00 | 42.28 | 85 | 80-121 |
| o-Xylene | 25.00 | 21.61 | 86 | 80-120 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 110 | 80-120 |
| 1,2-Dichloroethane-d4 | 106 | 80-130 |
| Toluene-d8 | 97 | 80-120 |
| Bromofluorobenzene | 107 | 80-122 |

Batch QC Report

| BTXE & Oxygenates | | | |
|-------------------|-----------------|-----------|---------------------------|
| Lab #: | 190393 | Location: | 2250 Telgraph Av. Oakland |
| Client: | Fugro West Inc. | Prep: | EPA 5030B |
| Project#: | 609.004 | Analysis: | EPA 8260B |
| Matrix: | Water | Batch#: | 119026 |
| Units: | ug/L | Analyzed: | 11/03/06 |
| Diln Fac: | 1.000 | | |

Type: BS Lab ID: QC362813

| Analyte | Spiked | Result | %REC | Limits |
|-------------------------------|--------|--------|------|--------|
| tert-Butyl Alcohol (TBA) | 125.0 | 134.5 | 108 | 64-141 |
| MTBE | 25.00 | 23.84 | 95 | 72-120 |
| Isopropyl Ether (DIPE) | 25.00 | 20.59 | 82 | 68-123 |
| Ethyl tert-Butyl Ether (ETBE) | 25.00 | 26.78 | 107 | 77-129 |
| 1,2-Dichloroethane | 25.00 | 27.08 | 108 | 77-120 |
| Benzene | 25.00 | 25.20 | 101 | 80-120 |
| Methyl tert-Amyl Ether (TAME) | 25.00 | 23.96 | 96 | 77-120 |
| Toluene | 25.00 | 26.94 | 108 | 80-120 |
| 1,2-Dibromoethane | 25.00 | 26.73 | 107 | 80-120 |
| Ethylbenzene | 25.00 | 27.84 | 111 | 80-120 |
| m,p-Xylenes | 50.00 | 53.37 | 107 | 80-121 |
| o-Xylene | 25.00 | 26.31 | 105 | 80-120 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 104 | 80-120 |
| 1,2-Dichloroethane-d4 | 105 | 80-130 |
| Toluene-d8 | 101 | 80-120 |
| Bromofluorobenzene | 98 | 80-122 |

Type: BSD Lab ID: QC362814

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|-------------------------------|--------|--------|------|--------|-----|-----|
| tert-Butyl Alcohol (TBA) | 125.0 | 139.7 | 112 | 64-141 | 4 | 22 |
| MTBE | 25.00 | 24.22 | 97 | 72-120 | 2 | 20 |
| Isopropyl Ether (DIPE) | 25.00 | 20.73 | 83 | 68-123 | 1 | 20 |
| Ethyl tert-Butyl Ether (ETBE) | 25.00 | 27.53 | 110 | 77-129 | 3 | 20 |
| 1,2-Dichloroethane | 25.00 | 26.84 | 107 | 77-120 | 1 | 20 |
| Benzene | 25.00 | 25.12 | 100 | 80-120 | 0 | 20 |
| Methyl tert-Amyl Ether (TAME) | 25.00 | 24.72 | 99 | 77-120 | 3 | 20 |
| Toluene | 25.00 | 26.45 | 106 | 80-120 | 2 | 20 |
| 1,2-Dibromoethane | 25.00 | 26.54 | 106 | 80-120 | 1 | 20 |
| Ethylbenzene | 25.00 | 26.65 | 107 | 80-120 | 4 | 20 |
| m,p-Xylenes | 50.00 | 51.67 | 103 | 80-121 | 3 | 20 |
| o-Xylene | 25.00 | 25.90 | 104 | 80-120 | 2 | 20 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 105 | 80-120 |
| 1,2-Dichloroethane-d4 | 107 | 80-130 |
| Toluene-d8 | 102 | 80-120 |
| Bromofluorobenzene | 98 | 80-122 |

RPD= Relative Percent Difference

Batch QC Report

| BTXE & Oxygenates | | | |
|-------------------|-----------------|-----------|---------------------------|
| Lab #: | 190393 | Location: | 2250 Telgraph Av. Oakland |
| Client: | Fugro West Inc. | Prep: | EPA 5030B |
| Project#: | 609.004 | Analysis: | EPA 8260B |
| Field ID: | ZZZZZZZZZZ | Batch#: | 118994 |
| MSS Lab ID: | 190279-007 | Sampled: | 10/23/06 |
| Matrix: | Water | Received: | 10/23/06 |
| Units: | ug/L | Analyzed: | 11/02/06 |
| Diln Fac: | 1.000 | | |

Type: MS Lab ID: QC362694

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|-------------------------------|------------|--------|--------|------|--------|
| tert-Butyl Alcohol (TBA) | <1.601 | 125.0 | 125.5 | 100 | 68-148 |
| MTBE | <0.07387 | 25.00 | 24.19 | 97 | 75-120 |
| Isopropyl Ether (DIPE) | <0.06972 | 25.00 | 18.26 | 73 * | 74-125 |
| Ethyl tert-Butyl Ether (ETBE) | <0.04508 | 25.00 | 26.03 | 104 | 80-131 |
| 1,2-Dichloroethane | <0.08786 | 25.00 | 25.10 | 100 | 80-124 |
| Benzene | <0.04131 | 25.00 | 21.90 | 88 | 80-122 |
| Methyl tert-Amyl Ether (TAME) | <0.1297 | 25.00 | 21.53 | 86 | 78-120 |
| Toluene | <0.08342 | 25.00 | 22.93 | 92 | 80-120 |
| 1,2-Dibromoethane | <0.06100 | 25.00 | 24.88 | 100 | 80-120 |
| Ethylbenzene | <0.07640 | 25.00 | 23.85 | 95 | 80-121 |
| m,p-Xylenes | <0.2248 | 50.00 | 45.77 | 92 | 80-121 |
| o-Xylene | <0.05810 | 25.00 | 22.73 | 91 | 80-120 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 110 | 80-120 |
| 1,2-Dichloroethane-d4 | 108 | 80-130 |
| Toluene-d8 | 99 | 80-120 |
| Bromofluorobenzene | 100 | 80-122 |

Type: MSD Lab ID: QC362695

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|-------------------------------|--------|--------|------|--------|-----|-----|
| tert-Butyl Alcohol (TBA) | 125.0 | 127.1 | 102 | 68-148 | 1 | 23 |
| MTBE | 25.00 | 26.32 | 105 | 75-120 | 8 | 20 |
| Isopropyl Ether (DIPE) | 25.00 | 18.38 | 74 | 74-125 | 1 | 20 |
| Ethyl tert-Butyl Ether (ETBE) | 25.00 | 26.22 | 105 | 80-131 | 1 | 20 |
| 1,2-Dichloroethane | 25.00 | 25.55 | 102 | 80-124 | 2 | 20 |
| Benzene | 25.00 | 22.35 | 89 | 80-122 | 2 | 20 |
| Methyl tert-Amyl Ether (TAME) | 25.00 | 21.88 | 88 | 78-120 | 2 | 20 |
| Toluene | 25.00 | 22.81 | 91 | 80-120 | 1 | 20 |
| 1,2-Dibromoethane | 25.00 | 24.73 | 99 | 80-120 | 1 | 20 |
| Ethylbenzene | 25.00 | 24.30 | 97 | 80-121 | 2 | 20 |
| m,p-Xylenes | 50.00 | 45.92 | 92 | 80-121 | 0 | 20 |
| o-Xylene | 25.00 | 23.06 | 92 | 80-120 | 1 | 20 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 111 | 80-120 |
| 1,2-Dichloroethane-d4 | 108 | 80-130 |
| Toluene-d8 | 98 | 80-120 |
| Bromofluorobenzene | 105 | 80-122 |

 *= Value outside of QC limits; see narrative
 RPD= Relative Percent Difference