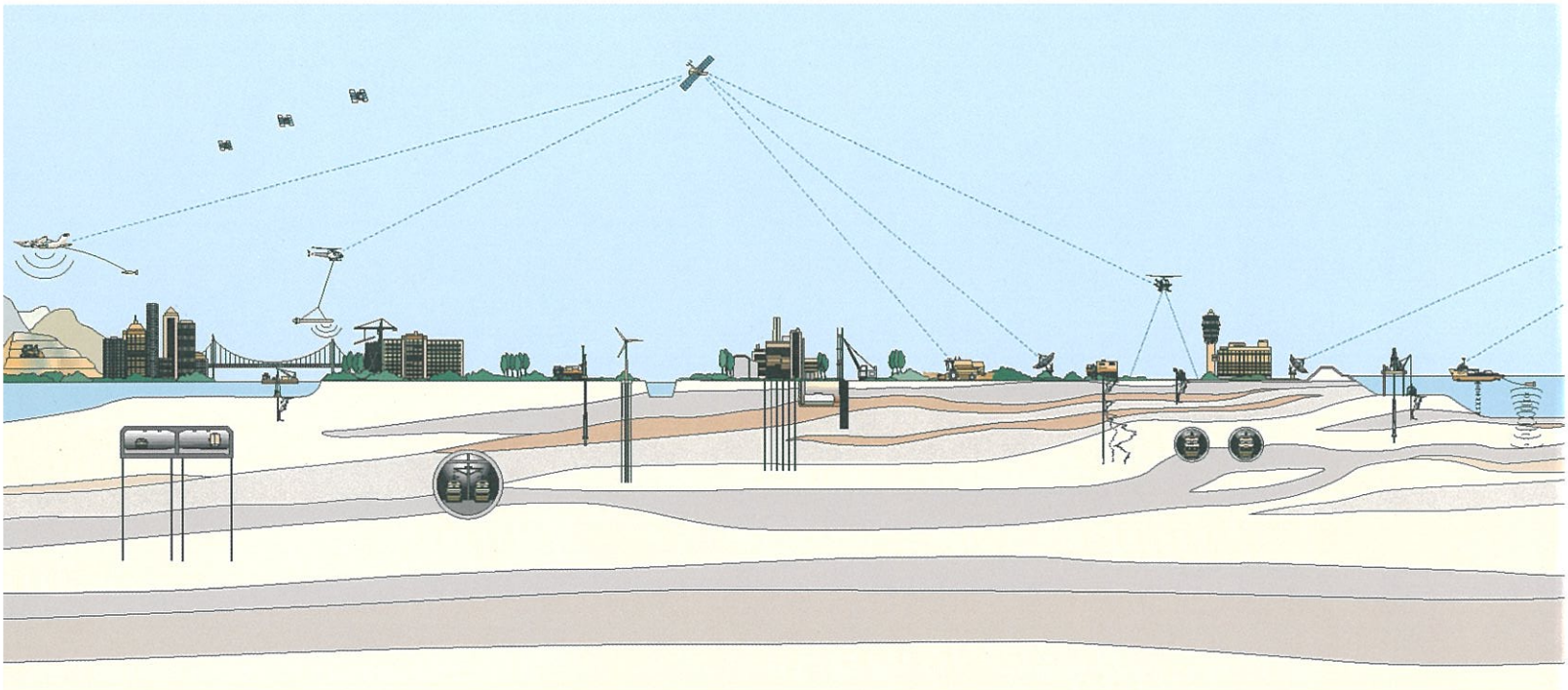
FUGRO WEST, INC.

SPRING 2009 GROUNDWATER MONITORING REPORT 2250 TELEGRAPH AVENUE OAKLAND, CALIFORNIA

Prepared for:
BUTTNER PROPERTIES

April 2009
Fugro Project No. 609.004



FUGRO WEST, INC.

1000 Broadway, Suite 440
Oakland, California 94607
Tel: (510) 268-0461
Fax: (510) 268-0545

April 28, 2009
Project No. 609.004

Buttner Properties
600 West Grand Avenue
Oakland, California 94612

Attention: Ms. Marianne Robison

Subject: Spring 2009 Groundwater Monitoring Report, 2250 Telegraph Avenue, Oakland, California

Dear Ms. Robison:

Fugro West, Inc., (Fugro) is pleased to present this report, which records the results of the Spring 2009 groundwater monitoring event conducted in March 2009, for the 2250 Telegraph Avenue property (Site). The groundwater monitoring program has been implemented in general accordance with a February 2004 Work Plan and addendums to the Work Plan dated August 5, 2004 and October 14, 2005. The Site location is shown on the Vicinity Map - Plate 1, and the Site Plan is presented on Plate 2.

Monitoring is currently conducted on a semi-annual basis. During this monitoring event, Fugro sampled the four wells located onsite (MW-1, MW-2, MW-3, and MW-4), as well as two wells located offsite (MW-5 located south of the Site, within a parking lane and MW-6 located south of the Site, in the eastbound lanes of the heavily traveled West Grand Avenue).

BACKGROUND

In August 1990, a 10,000-gallon underground storage tank (UST) and one 280-gallon waste oil UST were removed from the Site. Approximately 500 cubic yards of gasoline-impacted soil was excavated from the former UST and pump island areas, and with concurrence from Alameda County Environmental Health (ACEH), the contaminated soil was aerated onsite 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 two offsite monitoring wells. Wells MW-5 and MW-6 were installed at offsite locations, downgradient from the former UST excavations in June 1997. Groundwater monitoring events conducted in August 1998, February 1999, and April 2001 showed no significant changes in the onsite plume.

In their letter dated January 16, 2002, ACEH recommended a risk assessment and sensitive receptor survey be conducted to determine whether the Site might qualify as a "low risk site." While in the process of conducting these activities, a subsequent letter from 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 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. These Site 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 from various sources;
- No drinking water wells exist within a half-mile radius of the Site;
- No storm drain or sanitary sewer 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, but rather 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 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. Given the current commercial use of the Site, as well as the fact that the Site is completely paved and/or covered by concrete slabs, soil vapor migration is not a completed exposure pathway.

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 current and future 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 their letter, dated July 31, 2008, the ACEH approved the scope of work, however in subsequent discussions with Ms. Barbara Jakub of ACEH in late October and November 2008, ACEH has requested that the scope of work be

revised. A new scope of work was submitted to ACEH for comment and review in January 2009. No response has been received from the ACEH as of the date of this report.

GROUNDWATER MONITORING – SPRING 2009

Fugro conducted this monitoring event on March 2 and 3, 2009. City permits were obtained and a traffic control plan was submitted and approved to allow work within the street right-of-way. Prior to sampling, the presence of free product was checked and the depth to groundwater was measured in all six wells. Fugro's field personnel noticed hydrocarbon odor during purging and sampling of monitoring wells MW-1, MW-3, MW-4, and MW-6; however, no free product was observed. 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 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 presented in Appendix A. Groundwater elevation data are summarized in Table 1. Analytical test results are summarized in Table 2.

The historic groundwater flow directions for this Site are presented in the Rose Diagram on Plate 2. The gradient for this event was 0.04 feet/feet[1] directed towards the northeast. Based on the groundwater elevation data presented in Table 1, the groundwater gradient remains generally consistent with previous measurements. Groundwater was generally encountered at higher elevations compared to the August 2008 event, which is expected given that this monitoring event was conducted during the rainy season.

[1] Data based on current measurements in wells MW-1, MW-2, MW-3, and MW-4. Data from wells MW-5 and MW-6 are not judged to be representative of site conditions.

TVHg was detected during this event in samples from wells MW-1 (73 μg/l), MW-3 (170 μg/l), MW-4 (1,300 μg/l) and MW-6 (990 μg/l). TEHd was detected in samples from wells MW-1 (93 μg/l), MW-4 (880 μg/l) and MW-6 (230 μg/l). TEHmo was detected in one of the samples collected from well MW-4 (850 μg/l). Concentrations of the analytes detected during this sampling event are generally within the historic range of data.

Analysis detected benzene and total xylenes in monitoring well MW-3 at concentrations of 16 μg/l and 2.4 μg/l, respectively. 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 samples tested during this event. None of the lead scavengers or fuel oxygenates were detected in any of the samples analyzed.

REPORTING REQUIREMENTS

In accordance with reporting requirements, Fugro has uploaded PDF copies of our 2005 through 2009 Groundwater Monitoring Reports to the ACEH ftp website. We have also sent electronic copies of all attached tables in a Microsoft excel format to ACEH. Copies of required reports, tables and site plans have also been uploaded to the Geotracker database.

FUTURE SITE INVESTIGATION

The property owner has been requested by the UST Cleanup FUND to submit a long-range (18 month) investigation schedule for regulatory required studies for their review. Fugro has included the requested information in our Workplan for Additional Site Investigation, dated January 16, 2009, which is currently being reviewed by ACEH. The scope of work applies only to work being performed on the existing property. Completion of the field work will be slated for sometime in the summer to fall 2009 time frame to ensure that all approvals are received from ACEH and the UST Cleanup FUND, and to provide sufficient time for the existing tenant to prepare the Site for ease of access.

The next scheduled monitoring event will be conducted during the summer of 2009. If you have any questions, please call either of the undersigned at (510) 268-0461.

Sincerely,

FUGRO WEST, INC.

Hanako Zeidenberg
Staff Engineer

Jeriann N. Alexander, P.E., R.E.A.
Project Manager
Civil Engineer 40469 (exp. 3/31/11)
REA 03130 (exp. 7/10)

HZ/JNA:rh

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, Analytical Test Report and Chain of Custody Form

Copies Submitted:
(1) Addressee
(PDF) Mr. Tim Robison, Ph.D.
(PDF) Ms. Helen Robison
(PDF) Alameda County Environmental Health FTP site

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
	3/20/2007		10.94	9.61
	8/8/2007		11.21	9.34
	2/5/2008		9.52	11.03
	8/14/2008		11.00	9.55
	3/3/2009		9.69	10.86
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
	3/20/2007		12.52	7.51
	8/8/2007		12.82	7.21
	2/5/2008		10.39	9.64
	8/14/2008		9.10	10.93
	3/3/2009		12.31	7.72

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
	3/20/2007		9.72	9.25
	8/8/2007		10.48	8.49
	2/5/2008		8.61	10.36
	8/14/2008		10.53	8.44
	3/2/2009		8.11	10.86
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
	3/20/2007		11.20	8.68
	8/8/2007		12.00	7.88
	2/5/2008		10.40	9.48
	8/14/2008		11.47	8.41
	3/2/2009		11.13	8.75

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
	3/20/2007		7.67	8.35
	8/8/2007		8.43	7.59
	2/5/2008		6.76	9.26
	8/14/2008		8.31	7.71
	3/2/2009		6.20	9.82
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
	3/20/2007		10.10	8.26
	8/8/2007		10.85	7.51
	2/5/2008		9.27	9.09
	8/14/2008		10.71	7.65
	3/3/2009		8.60	9.76

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

			Petroleum Hydrocarbons				Volatile Organics													
Well	**Date**	**Groundwater Elevation MSL (feet)**	**TVH as Gasoline µg/l**	**TEH as Kerosene µg/l**	**TEH as Diesel µg/l**	**TEH as Motor Oil ug/l**	**Benzene µg/l**	**Toluene µg/l**	**Ethyl-benzene µg/l**	**Total 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**	**NE**	**540**	**380,000**	**170,000**	**160,000**	**24,000**	**24,000**	**NV**	**NE**	**NE**	**NE**	**130,000**	**200**	**150**	**120**	**13,000**
Groundwater ESL**			**100**	**100**	**100**	**100**	**1**	**40**	**30**	**20**	**5**	**5**	**NE**	**NE**	**NE**	**NE**	**200**	**0.5**	**0.05**	**5**	**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**	--	--	--	--	--	--	<0.5	**3.3**	--	<0.5	<0.5
	9/18/95	9.43	**370**	--	**110+**	--	**4.4**	**0.6**	**2.0**	**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**	<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	--	--
	3/20/07	9.61	**290**[Y]	--	**74**[LY]	<300	<0.5	<0.5	**0.58**	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	8/8/07	9.34	**300**[LY]	--	**95**[LY]	<300	<0.5	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	2/5/08	11.03	**100**[Y]	--	**62**[Y]	<300	<0.5	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	8/14/08	9.55	**71**[Y]	--	<50	<300	<0.5	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	3/3/09	10.86	**73**[Y]	--	**93**[Y]	<300	<0.5	<0.5	<0.5	<1.0	--	<0.5	<10	<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	**1.0**	**1.8**	--	--	--	--	--	--	<0.5	<0.5	--	<0.5	<0.5
	6/27/95	9.33	**80**	<50	<50	<500	**6.0**	<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	--	--
	3/20/07	7.51	<50	--	<50	<300	<0.5	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	8/8/07	7.21	<50	--	<50	<300	<0.5	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	2/5/08	9.64	<50	--	<50	<300	<0.5	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	8/14/08	10.93	<50	--	<50	<300	<0.5	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	3/3/09	7.72	<50	--	<50	<300	<0.5	<0.5	<0.5	<1.0	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--

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

			Petroleum Hydrocarbons				Volatile Organics													
Well	**Date**	**Groundwater Elevation MSL (feet)**	**TVH as Gasoline µg/l**	**TEH as Kerosene µg/l**	**TEH as Diesel µg/l**	**TEH as Motor Oil ug/l**	**Benzene µg/l**	**Toluene µg/l**	**Ethyl-benzene µg/l**	**Total 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**	**NE**	**540**	**380,000**	**170,000**	**160,000**	**24,000**	**24,000**	**NV**	**NE**	**NE**	**NE**	**130,000**	**200**	**150**	**120**	**13,000**
Groundwater ESL**			**100**	**100**	**100**	**100**	**1**	**40**	**30**	**20**	**5**	**5**	**NE**	**NE**	**NE**	**NE**	**200**	**0.5**	**0.05**	**5**	**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**	**6.0**	**10**	**15**	--	--	--	--	--	--	<0.5	<0.5	--	<0.5	<0.5
	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** [HLY]	**750**	**17**	<0.5	**0.87c**	**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	--	--
	3/20/07	9.25	**1,000**[LY]	--	**180**[LY]	<300	**100**	**1.5**	**2.1**	**3.3**	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	8/8/07	8.49	**2,100**[LY]	--	**130**[LY]	<300	**260**	**5.1**	**5.8**	**3.6**	--	<2.0	<40	<2.0	<2.0	<2.0	--	<2.0	<2.0	--	--
	2/5/08	10.36	**100**	--	**50**[Y]	<300	**7.6**	<0.5	<0.5	**0.5**	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	8/14/08	8.44	**1,400**	--	**200**[Y]	<300	**510**	**8.2**	**22**	**7.2**	--	<3.6	<71	<3.6	<3.6	<3.6	--	<3.6	<3.6	--	--
	3/2/09	10.86	**170**[Y]	--	<50	<300	**16**	<0.5	<0.5	**2.4**	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
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** [HLY]	**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** [HLY]	**3400**[L]	<0.5	<0.5	<0.5	**5.8c**	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	11/9/05	7.46	**2,000Y**	--	**1,900**[HLY]	**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**[HLY]	**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**[HLY]	**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**[HLY]	**3,200**[L]	**0.5**	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	3/20/07	8.68	**2,700**	--	**2,900**[HLY]	**3,500**[L]	**0.77**	<0.5	<0.5	**0.67**	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	8/8/07	7.88	**6,100**[LY]	--	**9,200**[HL]	**12,000**[HL]	**0.7**	<0.5	<0.5	**0.5**	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	2/5/08	9.48	**2,100**	--	**2,100**[Y]	**2,200**	<0.5	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	8/14/08	8.41	**1,900**[Y]	--	**370**[Y]	<300	**1.4**	**0.59**	<0.5	**0.85**	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	3/2/09	8.75	**1,300**[Y]	--	**880**[Y]	**850**	<0.5	<0.5	<0.5	<1.0	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--

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

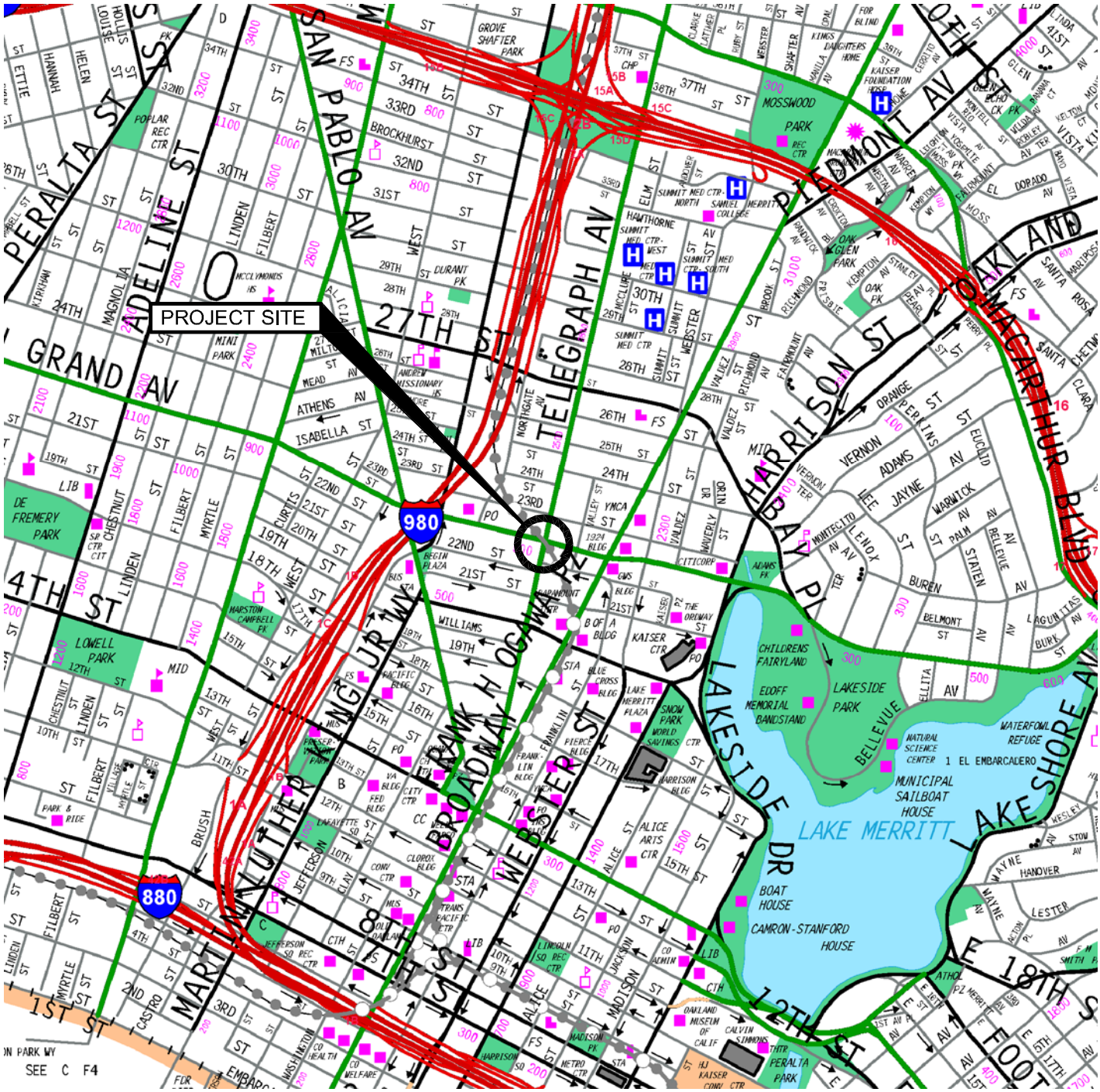
			Petroleum Hydrocarbons				Volatile Organics													
Well	**Date**	**Groundwater Elevation MSL (feet)**	**TVH as Gasoline µg/l**	**TEH as Kerosene µg/l**	**TEH as Diesel µg/l**	**TEH as Motor Oil ug/l**	**Benzene µg/l**	**Toluene µg/l**	**Ethyl-benzene µg/l**	**Total Xylenes µg/l**	**MTBE -8020 µg/l**	**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**	**NE**	**540**	**380,000**	**170,000**	**160,000**	**24,000**	**24,000**	**NV**	**NE**	**NE**	**NE**	**130,000**	**200**	**150**	**120**	**13,000**
Groundwater ESL**			**100**	**100**	**100**	**100**	**1**	**40**	**30**	**20**	**5**	**5**	**NE**	**NE**	**NE**	**NE**	**200**	**0.5**	**0.05**	**5**	**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	--	--
	3/20/07	8.35	<50	--	<50	<300	<0.5	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	8/8/07	7.59	<50	--	<50	<300	<0.5	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	2/5/08	9.26	<50	--	<50	<300	<0.5	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	8/14/08	7.71	<50	--	<50	<300	<0.5	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	3/2/09	9.82	<50	--	<50	<300	<0.5	<0.5	<0.5	<1.0	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
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**	**3.0**	**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
	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
	3/20/07	8.26	**2,000**[Y]	--	**670L**[Y]	<300	<0.5	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	8/8/07	7.51	**2,100**[HLY]	--	**680**[LY]	<300	<0.5	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	2/5/08	9.09	**1,400**	--	**560**[Y]	<300	<0.5	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	8/14/08	7.65	**1,100**[Y]	--	**390**[Y]	<300	<0.5	<0.5	<0.5	<0.5	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--
	3/3/09	9.76	**990**[Y]	--	**230**[Y]	<300	<0.5	<0.5	<0.5	<1.0	--	<0.5	<10	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--

Notes:

TVH = Total Volatile Hydrocarbons
TEH = Total Extractable Hydrocarbons
DCA = Dichloroethane
DBA = Dibromoethane
TCA = Trichloroethane
PCE = Tetrachloroethene
MTBE = tert-Butyl methyl ether
TBA = Tert butyl alcohol
DIPE = Isopropyl Ether
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

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 colums 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
NE = Not Evaluated
NV = No Value

PLATES



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.

NORTH

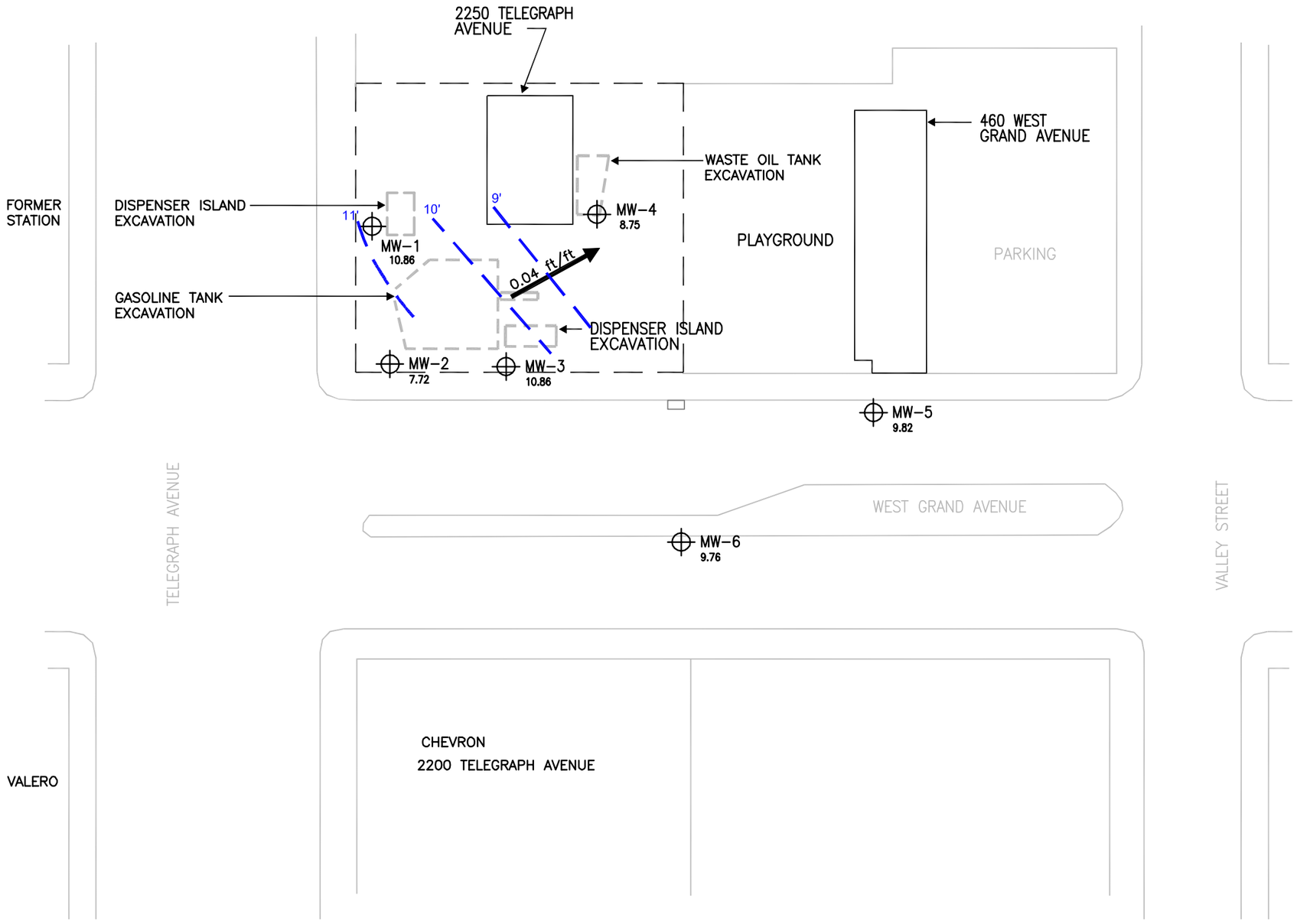
0 1500 3000

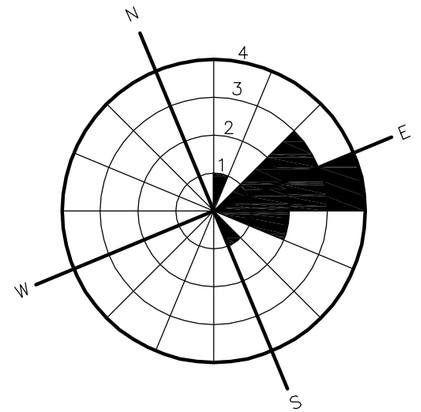
FEET

VICINITY MAP
2250 Telegraph Avenue
Oakland, California

PLATE 1

G: \jobdocs\609\609.004\Drawings\A609_004_01.dwg 4-27-09 10:25:16 AM vtong





ROSE DIAGRAM SHOWING
GROUNDWATER FLOW DIRECTION

EXPLANATION

- EXISTING STRUCTURE
- LIMITS OF EXCAVATIONS
- MONITORING WELL LOCATION
- 7.72 GROUNDWATER ELEVATION
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- GROUNDWATER ELEVATION CONTOUR

NORTH

0 40 80

FEET

SITE PLAN
2250 Telegraph Avenue
Oakland, California

PLATE 2

G:\jobdocs\609\609.004\Drawings\B609_004_01_rev7.dwg 4-27-09 10:23:20 AM vtong

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

ES-F50 WELL SAMPLING FORM

PROJECT NAME: Telegraph Avenue (2250)
PROJECT NO.: 609.004.11
SAMPLED BY: Heid
DATE: 3/3/09
WEATHER: Rainy, very rainy

WELL NO.: MW-1
WELL CASING DIAMETER: 2"
TOC ELEVATION: 20.55

TOTAL DEPTH OF CASING (BTOC): 18.31 FEET
DEPTH TO GROUNDWATER (BTOC): 9.69 FEET
FEET OF WATER IN WELL: 8.62 FEET

CALCULATED PURGE VOLUME: 4.22 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

FREE PRODUCT: none
PURGE METHOD: disposable bailer

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER _____

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	Temp	pH	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
Downhole (Pre-Purge)	1306	18.17	6.99	936	0.693	69.8	3.08	
2	1315	18.51	6.72	948	0.697	54.7	3.98	slight odor light brown
3	1315	18.33	6.74	947	0.697	22.2	5.38	
4.25	1323	17.53	6.86	5.06	0.372	9.5	5.59	" "

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 9.60 TIME SAMPLED: 1200

SAMPLING METHOD disposable bailer

CONTAINERS / PRESERVATIVE: 6 / HCl (40 ML) 1 / No Preserve (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)
_____ Pesticides (8080)
_____ PCBs (8080)
_____ Sulfate (300.0)
_____ Nitrate (300.0)
_____ Fe^{2+} - Field Filtered

MISC FIELD OBSERVATION: _____

Equipment	Serial No.	Calibration
Conductivity		YSI-600, Equipco
pH		
Turbidity		
Temperature		

ES-F50 WELL SAMPLING FORM

PROJECT NAME: Telegraph Avenue (2250)
PROJECT NO.: 609.0014
SAMPLED BY: HEd.
DATE: 3/3/09
WEATHER: pouring rain

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

TOTAL DEPTH OF CASING (BTOC): 16.85 FEET
DEPTH TO GROUNDWATER (BTOC): 12.31 FEET
FEET OF WATER IN WELL: 4.54 FEET

CALCULATED PURGE VOLUME: 2.22 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)
FREE PRODUCT: none
PURGE METHOD: disposable bailer

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER _____

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	Temp	pH	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
Downhole (Pre-Purge)	1235	16.00	6.95	590	0.372	132.1	50.2	light brown,
1.5	1245	16.43	7.06	492	0.382	127.5	6.89	no odor
2	1255	18.54	6.29	537	0.379	140.6	5.81	↓ ↓
2.5	1300	18.94	7.00	519	0.385	142.2	4.42	

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 3/3/09 12.04 TIME SAMPLED: 1145

SAMPLING METHOD disposable bailer

CONTAINERS / PRESERVATIVE:
6 / HCl — 40 ML
1 / No preserv — 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)
- _____ Pesticides (8080)
- _____ PCBs (8080)
- _____ Sulfate (300.0)
- _____ Nitrate (300.0)
- _____ Fe $^{2+}$ - Field Filtered

MISC FIELD OBSERVATION: _____

Equipment	Serial No.	Calibration
Conductivity		YSI-600-Equipco
pH		
Turbidity		
Temperature		

ES-F50 WELL SAMPLING FORM

PROJECT NAME: 2250 Telegraph Avenue
PROJECT NO.: 609.04
SAMPLED BY: HL
DATE: 12-3/3/09
WEATHER: pouring (3/2) / sprinkle (3/3)

WELL NO.: MW-3
WELL CASING DIAMETER: 2
TOC ELEVATION: 18.97

TOTAL DEPTH OF CASING (BTOC): 16.30 FEET

DEPTH TO GROUNDWATER (BTOC): 8.11 FEET

FEET OF WATER IN WELL: 8.19 FEET

CALCULATED PURGE VOLUME: 4.009 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

FREE PRODUCT: none

PURGE METHOD: disposable bailer

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER _____

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	Temp	pH	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
Downhole (Pre-Purge)	12:12	19.16	6.57	511	0.273	98.2	0.85	diesel, gray odor
1.2	12:19	18.75	6.57	503	0.373	99.2	4.95	
3.0	12:23	18.78	6.55	527	0.384	108.5	3.28	
4.0	12:26	18.17	6.55	602	0.385	115.6	4.17	

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 3/3/09 8.04 TIME SAMPLED: 11^00

SAMPLING METHOD disposable bailer

CONTAINERS / PRESERVATIVE:

6 / HCl — 40 ML

/ — Poly

/ — LITER (NP Preservative)

/ — 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)
- _____ Pesticides (8080)
- _____ PCBs (8080)
- _____ Sulfate (300.0)
- _____ Nitrate (300.0)
- _____ Fe $^{2+}$ - Field Filtered

MISC FIELD OBSERVATION: _____

Equipment	Serial No.	Calibration
Conductivity		YSI-600
pH		
Turbidity		Equipped
Temperature		

ES-F50 WELL SAMPLING FORM

PROJECT NAME: 2250 Telegraph
PROJECT NO.: 609.004
SAMPLED BY: H Reid.
DATE: 3/2/09 3/3/09
WEATHER: very rainy (3/2)

WELL NO.: MW-4
WELL CASING DIAMETER: 2"
TOC ELEVATION: 19.08

TOTAL DEPTH OF CASING (BTOC): 18.30 FEET
DEPTH TO GROUNDWATER (BTOC): 11.13 FEET
FEET OF WATER IN WELL: 7.17 FEET

CALCULATED PURGE VOLUME: 3.5 l gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)
FREE PRODUCT: none
PURGE METHOD: disposable bailer

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER _____

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	Temp	pH	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
Downhole (Pre-Purge)	11.50	20.0	6.95	1915	1.372	164.2	49.5	diesel odor,
1.5	11.57	19.40	6.90	1528	1.114	-92.4	79.4	light gray
2.2	1205	19.24	7.02	1535	1.124	-53.8	3.26	↓
3.5	1210	19.32	6.98	1072	1.114	-112.7	3.83	

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 11.45 TIME SAMPLED: 1040

SAMPLING METHOD disposable bailer

CONTAINERS / PRESERVATIVE: 6 / HCl (40 ML) 1 / N, Preservative (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)
- _____ Pesticides (8080)
- _____ PCBs (8080)
- _____ Sulfate (300.0)
- _____ Nitrate (300.0)
- _____ Fe $^{2+}$ - Field Filtered

MISC FIELD OBSERVATION: sheen in groundwater

Equipment	Serial No.	Calibration
Conductivity		YSI-600 -
pH		Equipco
Turbidity		
Temperature		

ES-F50 WELL SAMPLING FORM

PROJECT NAME: 2250 Telegraph Ave.
PROJECT NO.: 609.004
SAMPLED BY: Reid 3-2 and 3/3/09
DATE:
WEATHER: pouring rain (3/2/09) / sprinkling (3/3/09)

WELL NO.: MW-5
WELL CASING DIAMETER: 2"
TOC ELEVATION: 16.82

TOTAL DEPTH OF CASING (BTOC): 17.40 FEET

DEPTH TO GROUNDWATER (BTOC): 6.20 FEET

FEET OF WATER IN WELL: 11.20 FEET

CALCULATED PURGE VOLUME: 5.48 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

FREE PRODUCT: none

PURGE METHOD: disposable bailer

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER _____

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	Temp	pH	CONDUCTIVITY (uMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
Downhole (Pre-Purge)	1120	19.06	6.66	475	0.349	134.4		
2.5	1128	18.22	6.68	465	0.376	156.6	11.06	no odor, light
3.5	1132	18.64	6.62	470	0.348	164.3	7.47	brown
5.5	1136	18.44	6.80	471	0.351	157.7	—	↓ ↓

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 3/3/09 5.62 TIME SAMPLED: 1015

SAMPLING METHOD disposable bailer

CONTAINERS / PRESERVATIVE: 6/HCl (40 ML) / 1 / Amber (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)
- _____ Pesticides (8080)
- _____ PCBs (8080)
- _____ Sulfate (300.0)
- _____ Nitrate (300.0)
- _____ Fe $^{2+}$ - Field Filtered

MISC FIELD OBSERVATION: _____

Equipment	Serial No.	Calibration
Conductivity		YSI-600, Equipco
pH		
Turbidity		
Temperature		

ES-F50 WELL SAMPLING FORM

PROJECT NAME: 2250 Telegraph Avenue
PROJECT NO.: 609.009
SAMPLED BY: [illegible]
DATE: 3/3/09
WEATHER: overcast

WELL NO.: MW-6
WELL CASING DIAMETER: 2"
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 18.95 FEET
DEPTH TO GROUNDWATER (BTOC): 8.60 FEET
FEET OF WATER IN WELL: 10.35 FEET
MEASUREMENT METHOD: ELECTRONIC SOUNDER (circled) or OTHER

CALCULATED PURGE VOLUME: 5.07 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)
FREE PRODUCT: none
PURGE METHOD: disposable bailer

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	Temp	pH	CONDUCTIVITY (μMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
Downhole (Pre-Purge)	833	20.12	7.28	786	0.636	-74.2	0.97	slight odor
2	842	19.35	7.49	859	0.64	-41.3	6.66	↓
4	845	[illegible]	7.25	[illegible]	[illegible]	-48.8	8.25	↓
5	849	19.23	7.22	880	0.640	-47.2	2.82	↓

Revised 3-13-09

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 8.60 TIME SAMPLED: 855

SAMPLING METHOD: disposable bailer

CONTAINERS / PRESERVATIVE:
6 / HCl — 40 ML
1 / No Preservative — 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)
- ____ Pesticides (8080)
- ____ PCBs (8080)
- ____ Sulfate (300.0)
- ____ Nitrate (300.0)
- ____ Fe^{2+} - Field Filtered

MISC FIELD OBSERVATION:

Equipment	Serial No.	Calibration
Conductivity		YSI-600, Equipco
pH		
Turbidity		
Temperature		


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 210402
ANALYTICAL REPORT

Fugro West Inc.	Project : 609.004
1000 Broadway	Location : 2250 Telgraph Av. Oakland
Oakland, CA 94607	Level : II

Sample ID	Lab ID
MW-6	210402-001
MW-5	210402-002
MW-4	210402-003
MW-3	210402-004
MW-2	210402-005
MW-1	210402-006

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 03/12/2009
Project Manager

Signature: _____ Date: 03/16/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**210402**
Client:	**Fugro West Inc.**
Project:	**609.004**
Location:	**2250 Telgraph Av. Oakland**
Request Date:	**03/03/09**
Samples Received:	**03/03/09**

This data package contains sample and QC results for six water samples, requested for the above referenced project on 03/03/09. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
Low response was observed for tert-butyl alcohol (TBA) in the CCV analyzed 03/10/09 12:56; this analyte met minimum response criteria, and affected data was qualified with "b". Low recovery was observed for tert-butyl alcohol (TBA) in the MS for batch 148655; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits. Low recovery was observed for tert-butyl alcohol (TBA) in the MSD for batch 148655; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits. MW-3 (lab # 210402-004) had pH greater than 2. No other analytical problems were encountered.

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

Page _____ of _____

C & T LOGIN #: 210402

Project No.: 609.004
Project Name: Telegraph Avenue
Project P.O.:
Turnaround Time: Standard

Sampler: Hana Zeidenberg
Report To: Glenn S. Young
Company: Fugro West Inc.
Telephone: 510 610 5416
Fax: /

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste	# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE
1	MW-6	3/3/09 0855	X			7	6			X
2	MW-5	3/3/09 1015	X			7	6			X
3	MW-4	3/3/09 1040	X			7	6			X
4	MW-3	3/3/09 1100	X			7	6			X
5	MW-2	3/3/09 1145	X			7	6			X
6	MW-1	3/3/09 1200	X			7	6			X

Analysis

MSTN
TPHg, BTEX, MTBE - 8260 (2)
Fuel Oxygenates → 8260
THHd/MO w/ Si clean up
Lead Scavengers → 8260

Notes: MSTN
TEMP w/ ice
60

SAMPLE RECEIPT
☒ Intact ☒ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
SIGNATURE — 3/3/09 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
3/3/09 DATE / TIME
DATE / TIME
DATE / TIME

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 210402 Date Received 3/3/09 Number of coolers 1
Client Fugro West Inc Project Telegraph Avenue

Date Opened 3/3/09 By (print) phuong (sign)
Date Logged in 3/4/09 By (print) C. Evans (sign)

1. Did cooler come with a shipping slip (airbill, etc) YES (NO)
   Shipping info
2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☑ NO
   How many Name Date
2B. Were custody seals intact upon arrival? YES NO (N/A)
3. Were custody papers dry and intact when received? (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) (YES) NO
6. Indicate the packing in cooler: (if other, describe)

   ☐ Bubble Wrap ☑ Foam blocks ☑ Bags ☐ None
   ☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

   Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C) 5.8

   ☐ Samples Received on ice & cold without a temperature blank

   ☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? YES (NO)
   If YES, what time were they transferred to freezer?
9. Did all bottles arrive unbroken/unopened? (YES) NO
10. Are samples in the appropriate containers for indicated tests? (YES) NO
11. Are sample labels present, in good condition and complete? (YES) NO
12. Do the sample labels agree with custody papers? (YES) NO
13. Was sufficient amount of sample sent for tests requested? (YES) NO
14. Are the samples appropriately preserved? (YES) NO N/A
15. Are bubbles > 6mm absent in VOA samples? (YES) NO N/A
16. Was the client contacted concerning this sample delivery? YES NO
   If YES, Who was called? By Date:

COMMENTS
Sample TP#1 - does not have label ID Logged in based on bottle caps written (MW-6)

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 3520C
Project#:	609.004	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/03/09
Units:	ug/L	Received:	03/03/09
Diln Fac:	1.000	Prepared:	03/04/09
Batch#:	148537		

Field ID: MW-6
Type: SAMPLE
Lab ID: 210402-001
Analyzed: 03/06/09
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	230 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	72	61-127

Field ID: MW-5
Type: SAMPLE
Lab ID: 210402-002
Analyzed: 03/06/09
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	92	61-127

Field ID: MW-4
Type: SAMPLE
Lab ID: 210402-003
Analyzed: 03/09/09
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	880 Y	50
Motor Oil C24-C36	850	300

Surrogate	%REC	Limits
o-Terphenyl	105	61-127

Field ID: MW-3
Type: SAMPLE
Lab ID: 210402-004
Analyzed: 03/06/09
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	70	61-127

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 3520C
Project#:	609.004	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/03/09
Units:	ug/L	Received:	03/03/09
Diln Fac:	1.000	Prepared:	03/04/09
Batch#:	148537		

Field ID: MW-2 Analyzed: 03/06/09
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 210402-005

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	94	61-127

Field ID: MW-1 Analyzed: 03/06/09
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 210402-006

Analyte	Result	RL
Diesel C10-C24	93 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	88	61-127

Type: BLANK Analyzed: 03/05/09
Lab ID: QC485938 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	103	61-127

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 3520C
Project#:	609.004	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC485939	Batch#:	148537
Matrix:	Water	Prepared:	03/04/09
Units:	ug/L	Analyzed:	03/05/09

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,015	81	50-120

Surrogate	%REC	Limits
o-Terphenyl	96	61-127

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 3520C
Project#:	609.004	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	148537
MSS Lab ID:	210380-002	Sampled:	03/02/09
Matrix:	Water	Received:	03/02/09
Units:	ug/L	Prepared:	03/04/09
Diln Fac:	1.000	Analyzed:	03/05/09

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC485940

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<14.96	2,500	1,845	74	38-127

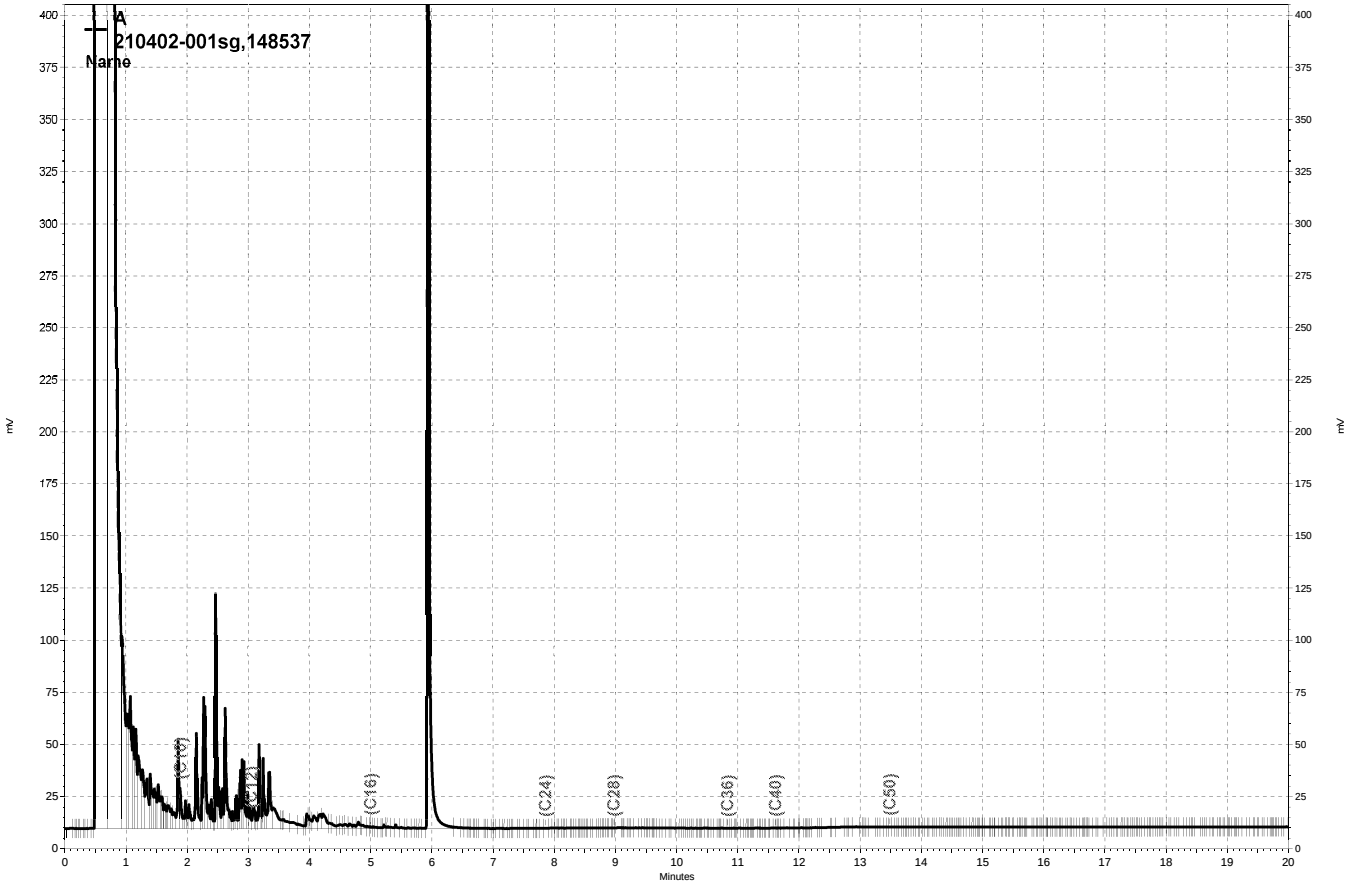
Surrogate	%REC	Limits
o-Terphenyl	88	61-127

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC485941

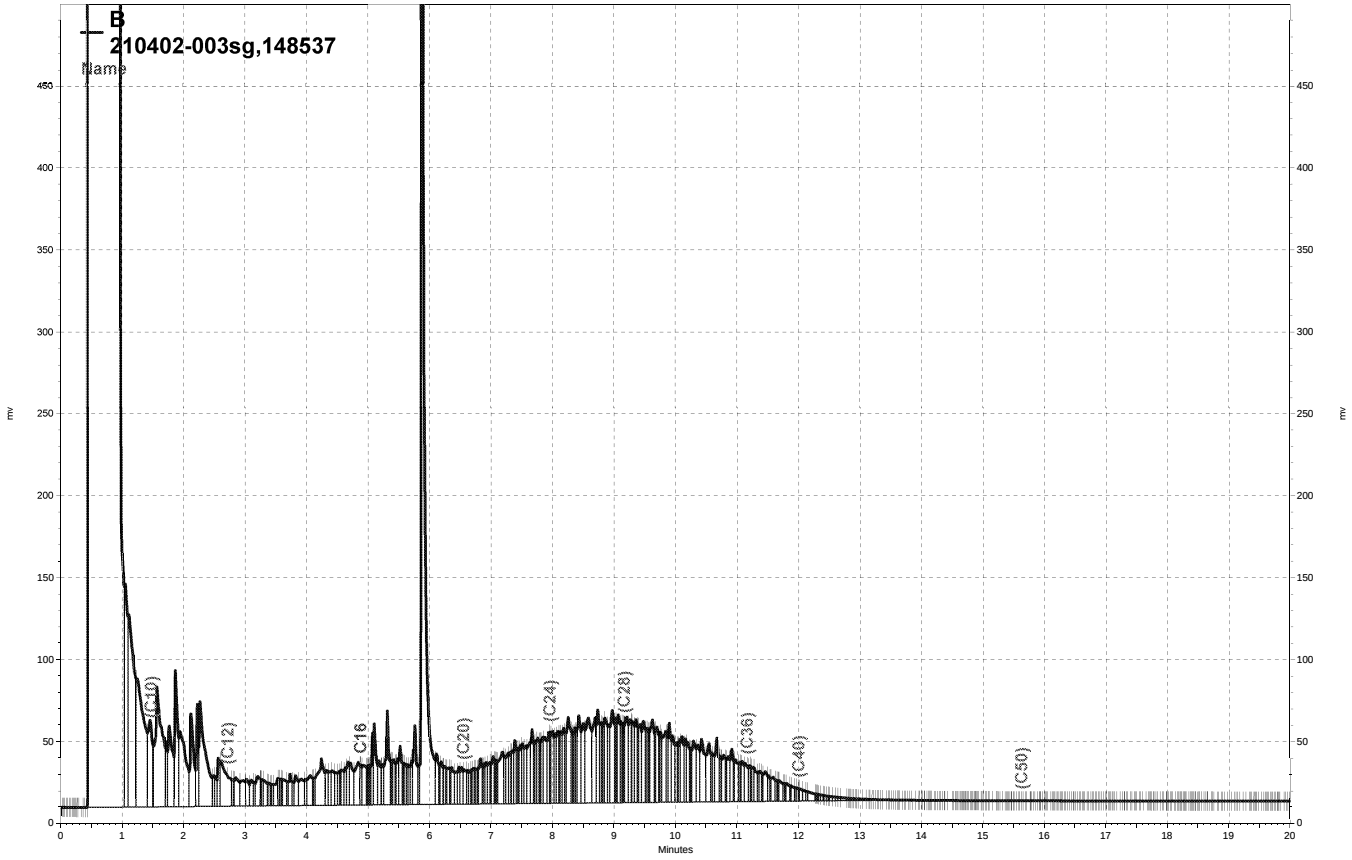
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,853	74	38-127	0	37

Surrogate	%REC	Limits
o-Terphenyl	87	61-127

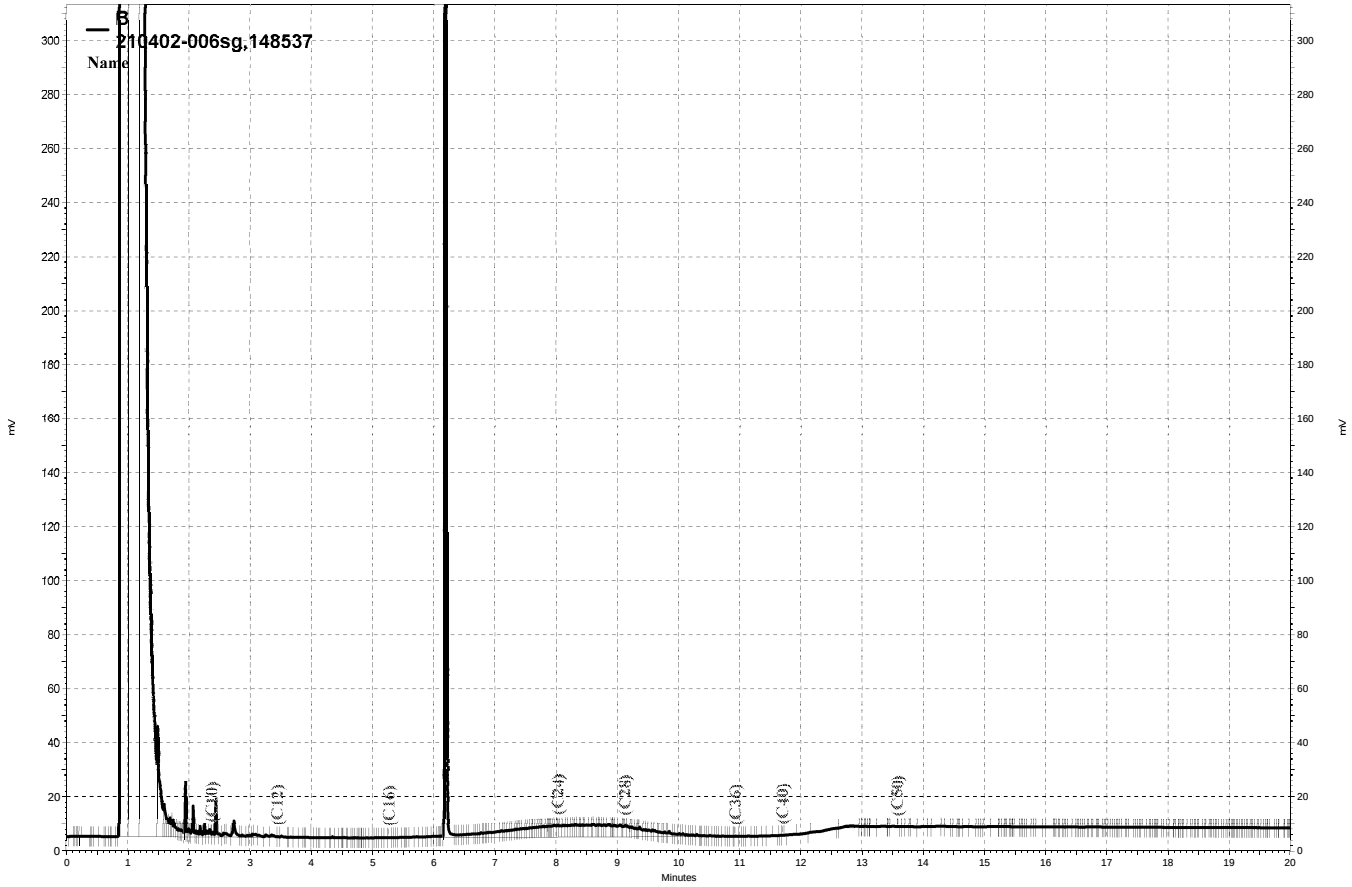
RPD= Relative Percent Difference



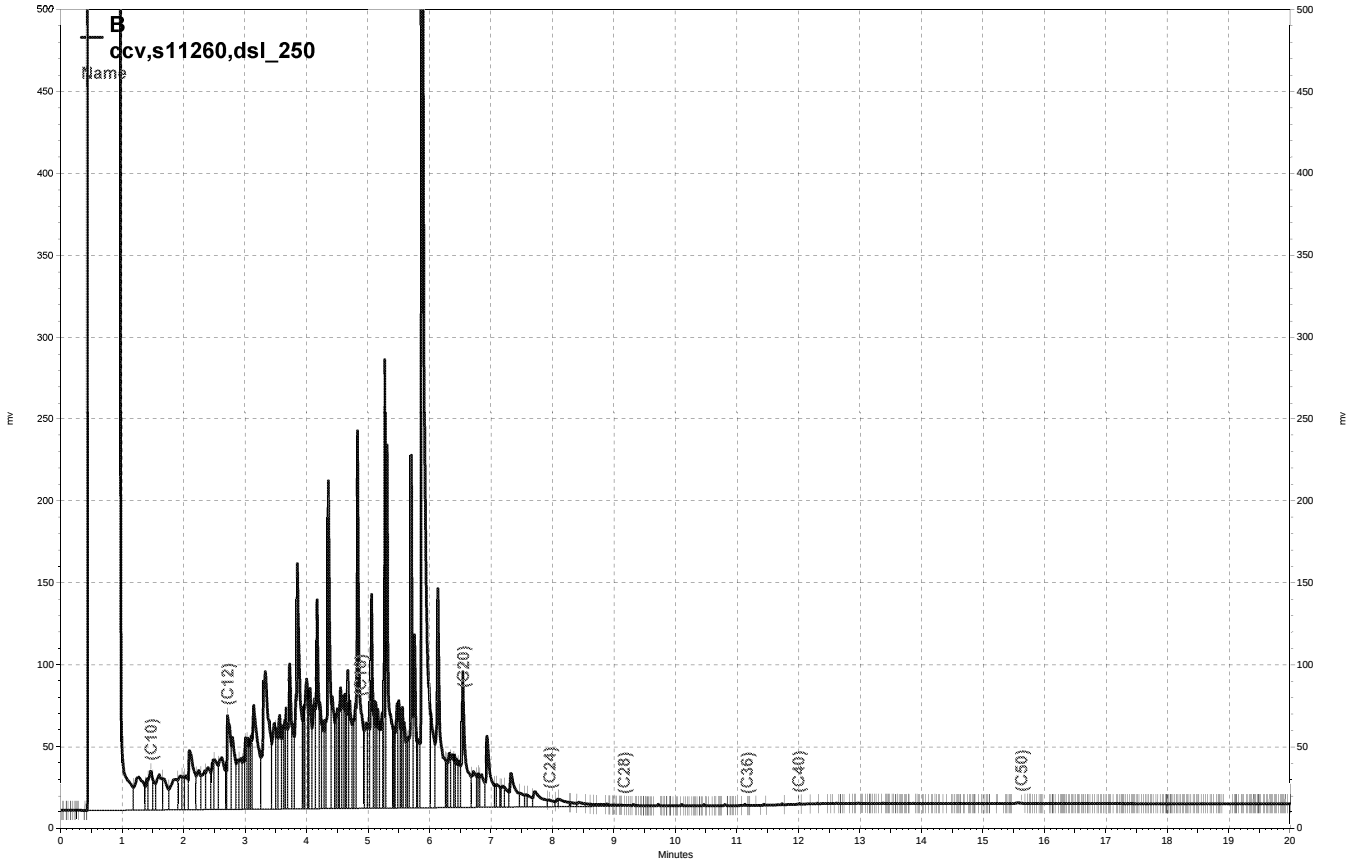
\\Lims\gdrive\ezchrom\Projects\GC26\Data\065a010, A



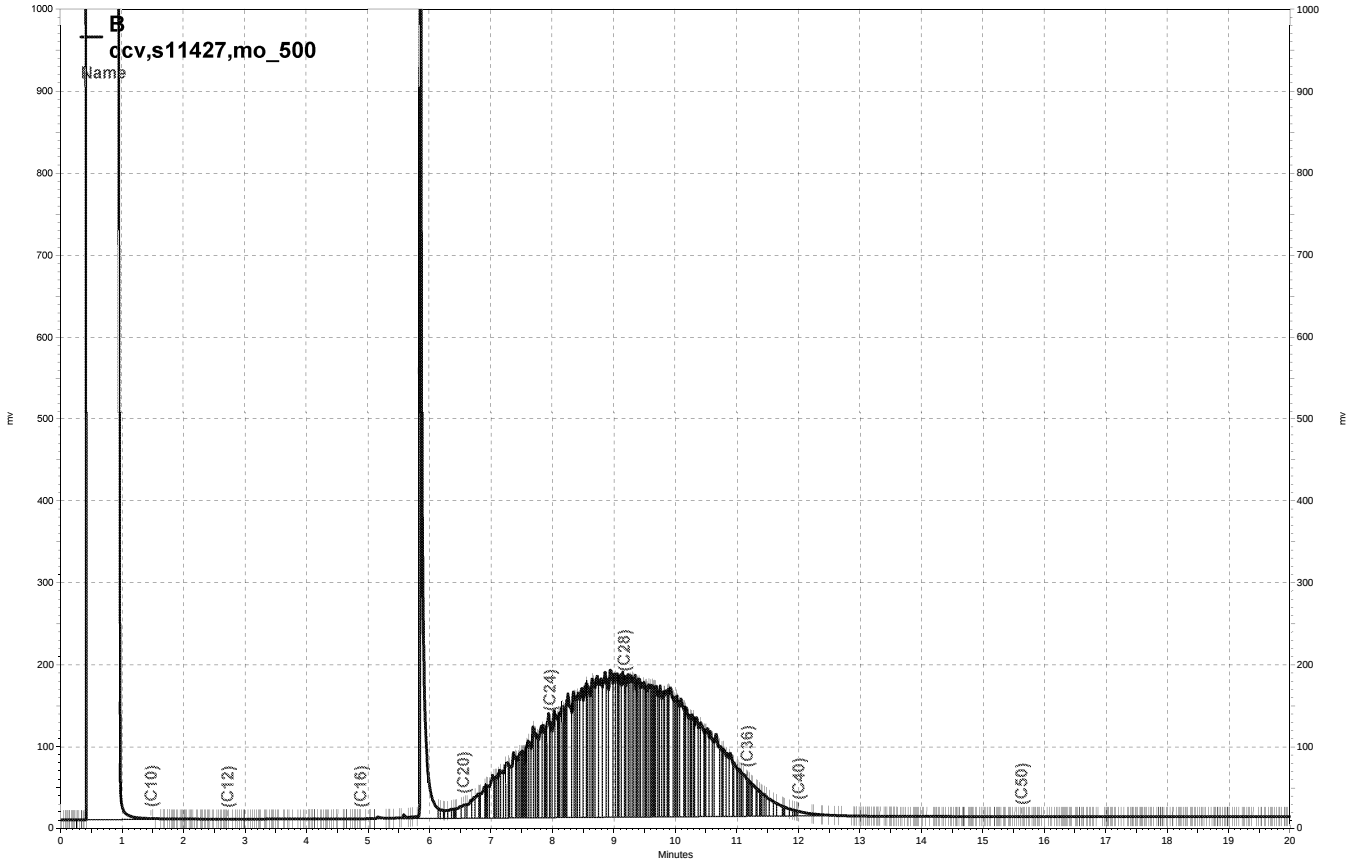
\\Lims\gdrive\ezchrom\Projects\GC15B\Data\067b040, B



\\Lims\gdrive\ezchrom\Projects\GC26\Data\065b014, B



\\Lims\gdrive\ezchrom\Projects\GC15B\Data\067b033, B



\\Lims\gdrive\ezchrom\Projects\GC15B\Data\067b034, B

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Field ID:	MW-6	Batch#:	148655
Lab ID:	210402-001	Sampled:	03/03/09
Matrix:	Water	Received:	03/03/09
Units:	ug/L	Analyzed:	03/10/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	990 Y	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-122
1,2-Dichloroethane-d4	113	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-125

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Field ID:	MW-5	Batch#:	148655
Lab ID:	210402-002	Sampled:	03/03/09
Matrix:	Water	Received:	03/03/09
Units:	ug/L	Analyzed:	03/10/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-122
1,2-Dichloroethane-d4	109	77-137
Toluene-d8	98	80-120
Bromofluorobenzene	97	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Field ID:	MW-4	Batch#:	148655
Lab ID:	210402-003	Sampled:	03/03/09
Matrix:	Water	Received:	03/03/09
Units:	ug/L	Analyzed:	03/10/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	1,300 Y	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-122
1,2-Dichloroethane-d4	107	77-137
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-125

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Field ID:	MW-3	Batch#:	148720
Lab ID:	210402-004	Sampled:	03/03/09
Matrix:	Water	Received:	03/03/09
Units:	ug/L	Analyzed:	03/10/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	170 Y	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	16	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	2.4	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-122
1,2-Dichloroethane-d4	112	77-137
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-125

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	148655
Lab ID:	210402-005	Sampled:	03/03/09
Matrix:	Water	Received:	03/03/09
Units:	ug/L	Analyzed:	03/10/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-122
1,2-Dichloroethane-d4	111	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	98	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	148655
Lab ID:	210402-006	Sampled:	03/03/09
Matrix:	Water	Received:	03/03/09
Units:	ug/L	Analyzed:	03/10/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	73 Y	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-122
1,2-Dichloroethane-d4	113	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	93	80-125

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	210402	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:	QC486409	Batch#:	148655
Matrix:	Water	Analyzed:	03/09/09
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-122
1,2-Dichloroethane-d4	114	77-137
Toluene-d8	98	80-120
Bromofluorobenzene	98	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	210402	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:	QC486410	Batch#:	148655
Matrix:	Water	Analyzed:	03/09/09
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-122
1,2-Dichloroethane-d4	114	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	96	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	148655
Units:	ug/L	Analyzed:	03/09/09
Diln Fac:	1.000		

Type: BS Lab ID: QC486411

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	100.0	59.93	60	55-151
Isopropyl Ether (DIPE)	20.00	19.88	99	65-131
Ethyl tert-Butyl Ether (ETBE)	20.00	18.08	90	75-128
Methyl tert-Amyl Ether (TAME)	20.00	18.72	94	80-121
MTBE	20.00	15.50	78	73-122
1,2-Dichloroethane	20.00	17.19	86	73-141
Benzene	20.00	20.85	104	80-120
Toluene	20.00	20.44	102	80-120
1,2-Dibromoethane	20.00	20.06	100	80-120
Ethylbenzene	20.00	21.83	109	80-121
m,p-Xylenes	40.00	44.48	111	80-122
o-Xylene	20.00	20.92	105	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-122
1,2-Dichloroethane-d4	109	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	96	80-125

Type: BSD Lab ID: QC486412

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	100.0	60.64	61	55-151	1	21
Isopropyl Ether (DIPE)	20.00	19.79	99	65-131	0	20
Ethyl tert-Butyl Ether (ETBE)	20.00	18.31	92	75-128	1	20
Methyl tert-Amyl Ether (TAME)	20.00	18.42	92	80-121	2	20
MTBE	20.00	15.47	77	73-122	0	20
1,2-Dichloroethane	20.00	17.19	86	73-141	0	20
Benzene	20.00	20.04	100	80-120	4	20
Toluene	20.00	20.13	101	80-120	2	20
1,2-Dibromoethane	20.00	19.62	98	80-120	2	20
Ethylbenzene	20.00	21.47	107	80-121	2	20
m,p-Xylenes	40.00	44.16	110	80-122	1	20
o-Xylene	20.00	21.13	106	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-122
1,2-Dichloroethane-d4	107	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	96	80-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	148655
Units:	ug/L	Analyzed:	03/09/09
Diln Fac:	1.000		

Type: BS Lab ID: QC486413

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	900.0	854.8	95	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-122
1,2-Dichloroethane-d4	108	77-137
Toluene-d8	98	80-120
Bromofluorobenzene	97	80-125

Type: BSD Lab ID: QC486414

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	900.0	841.1	93	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-122
1,2-Dichloroethane-d4	108	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	96	80-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	148655
MSS Lab ID:	210289-006	Sampled:	02/25/09
Matrix:	Water	Received:	02/25/09
Units:	ug/L	Analyzed:	03/09/09
Diln Fac:	16.67		

Type: MS Lab ID: QC486438

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<33.33	2,083	1,233	59 *	62-140
Isopropyl Ether (DIPE)	<1.667	416.7	413.8	99	71-131
Ethyl tert-Butyl Ether (ETBE)	<1.667	416.7	373.7	90	78-130
Methyl tert-Amyl Ether (TAME)	<1.667	416.7	374.3	90	80-121
MTBE	<1.667	416.7	316.0	76	73-124
1,2-Dichloroethane	<2.028	416.7	371.8	89	80-139
Benzene	<1.667	416.7	441.7	106	80-122
Toluene	41.30	416.7	486.6	107	80-121
1,2-Dibromoethane	<1.706	416.7	427.0	102	80-120
Ethylbenzene	<2.542	416.7	464.3	111	80-121
m,p-Xylenes	<1.667	833.3	950.8	114	80-120
o-Xylene	<1.667	416.7	453.9	109	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-122
1,2-Dichloroethane-d4	110	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	95	80-125

Type: MSD Lab ID: QC486439

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	2,083	1,305	63	62-140	6	20
Isopropyl Ether (DIPE)	416.7	410.1	98	71-131	1	20
Ethyl tert-Butyl Ether (ETBE)	416.7	377.5	91	78-130	1	20
Methyl tert-Amyl Ether (TAME)	416.7	375.4	90	80-121	0	20
MTBE	416.7	319.1	77	73-124	1	20
1,2-Dichloroethane	416.7	359.1	86	80-139	3	20
Benzene	416.7	425.8	102	80-122	4	20
Toluene	416.7	474.2	104	80-121	3	20
1,2-Dibromoethane	416.7	425.8	102	80-120	0	20
Ethylbenzene	416.7	453.5	109	80-121	2	20
m,p-Xylenes	833.3	928.8	111	80-120	2	20
o-Xylene	416.7	449.8	108	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-122
1,2-Dichloroethane-d4	110	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	96	80-125

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

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	148655
MSS Lab ID:	210307-001	Sampled:	02/24/09
Matrix:	Water	Received:	02/26/09
Units:	ug/L	Analyzed:	03/10/09
Diln Fac:	1.000		

Type: MS Lab ID: QC486440

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<2.000	125.0	76.89	62	62-140
Isopropyl Ether (DIPE)	<0.1000	25.00	25.64	103	71-131
Ethyl tert-Butyl Ether (ETBE)	<0.1000	25.00	22.50	90	78-130
Methyl tert-Amyl Ether (TAME)	<0.1000	25.00	22.61	90	80-121
MTBE	<0.1000	25.00	19.17	77	73-124
1,2-Dichloroethane	<0.1217	25.00	22.19	89	80-139
Benzene	<0.1000	25.00	26.19	105	80-122
Toluene	<0.1000	25.00	26.04	104	80-121
1,2-Dibromoethane	<0.1024	25.00	25.40	102	80-120
Ethylbenzene	<0.1525	25.00	27.67	111	80-121
m,p-Xylenes	<0.1000	50.00	56.09	112	80-120
o-Xylene	<0.1000	25.00	26.98	108	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-122
1,2-Dichloroethane-d4	110	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	95	80-125

Type: MSD Lab ID: QC486441

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	76.61	61 *	62-140	0	20
Isopropyl Ether (DIPE)	25.00	25.58	102	71-131	0	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.30	93	78-130	3	20
Methyl tert-Amyl Ether (TAME)	25.00	22.86	91	80-121	1	20
MTBE	25.00	19.93	80	73-124	4	20
1,2-Dichloroethane	25.00	21.74	87	80-139	2	20
Benzene	25.00	25.50	102	80-122	3	20
Toluene	25.00	25.32	101	80-121	3	20
1,2-Dibromoethane	25.00	24.93	100	80-120	2	20
Ethylbenzene	25.00	26.85	107	80-121	3	20
m,p-Xylenes	50.00	55.62	111	80-120	1	20
o-Xylene	25.00	26.53	106	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-122
1,2-Dichloroethane-d4	108	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-125

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

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	210402	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:	QC486683	Batch#:	148720
Matrix:	Water	Analyzed:	03/10/09
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-122
1,2-Dichloroethane-d4	113	77-137
Toluene-d8	98	80-120
Bromofluorobenzene	98	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	148720
Units:	ug/L	Analyzed:	03/10/09
Diln Fac:	1.000		

Type: BS Lab ID: QC486684

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	100.0	73.21 b	73	55-151
Isopropyl Ether (DIPE)	20.00	19.28	96	65-131
Ethyl tert-Butyl Ether (ETBE)	20.00	17.28	86	75-128
Methyl tert-Amyl Ether (TAME)	20.00	17.15	86	80-121
MTBE	20.00	14.99	75	73-122
1,2-Dichloroethane	20.00	17.20	86	73-141
Benzene	20.00	20.02	100	80-120
Toluene	20.00	20.39	102	80-120
1,2-Dibromoethane	20.00	19.81	99	80-120
Ethylbenzene	20.00	21.47	107	80-121
m,p-Xylenes	40.00	44.22	111	80-122
o-Xylene	20.00	21.12	106	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-122
1,2-Dichloroethane-d4	108	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-125

Type: BSD Lab ID: QC486685

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	100.0	63.95 b	64	55-151	14	21
Isopropyl Ether (DIPE)	20.00	18.95	95	65-131	2	20
Ethyl tert-Butyl Ether (ETBE)	20.00	17.19	86	75-128	1	20
Methyl tert-Amyl Ether (TAME)	20.00	17.41	87	80-121	1	20
MTBE	20.00	14.69	73	73-122	2	20
1,2-Dichloroethane	20.00	16.71	84	73-141	3	20
Benzene	20.00	19.50	97	80-120	3	20
Toluene	20.00	19.55	98	80-120	4	20
1,2-Dibromoethane	20.00	20.07	100	80-120	1	20
Ethylbenzene	20.00	21.53	108	80-121	0	20
m,p-Xylenes	40.00	43.79	109	80-122	1	20
o-Xylene	20.00	21.09	105	80-120	0	20

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-122
1,2-Dichloroethane-d4	108	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	98	80-125

b= See narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	148720
Units:	ug/L	Analyzed:	03/10/09
Diln Fac:	1.000		

Type: BS Lab ID: QC486686

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	850.0	817.1	96	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-122
1,2-Dichloroethane-d4	109	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	95	80-125

Type: BSD Lab ID: QC486687

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	850.0	816.1	96	80-120	0	20

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-122
1,2-Dichloroethane-d4	109	77-137
Toluene-d8	84	80-120
Bromofluorobenzene	96	80-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	210402	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	148720
MSS Lab ID:	210429-001	Sampled:	03/04/09
Matrix:	Water	Received:	03/04/09
Units:	ug/L	Analyzed:	03/11/09
Diln Fac:	1.000		

Type: MS Lab ID: QC486688

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	7.674	125.0	96.26	71	62-140
Isopropyl Ether (DIPE)	<0.1000	25.00	25.66	103	71-131
Ethyl tert-Butyl Ether (ETBE)	<0.1000	25.00	23.59	94	78-130
Methyl tert-Amyl Ether (TAME)	<0.1000	25.00	24.01	96	80-121
MTBE	<0.1000	25.00	20.88	84	73-124
1,2-Dichloroethane	<0.1217	25.00	20.85	83	80-139
Benzene	<0.1000	25.00	25.33	101	80-122
Toluene	<0.1000	25.00	26.36	105	80-121
1,2-Dibromoethane	<0.1024	25.00	26.17	105	80-120
Ethylbenzene	<0.1525	25.00	28.84	115	80-121
m,p-Xylenes	<0.1000	50.00	58.08	116	80-120
o-Xylene	<0.1000	25.00	28.22	113	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	90	80-122
1,2-Dichloroethane-d4	103	77-137
Toluene-d8	96	80-120
Bromofluorobenzene	96	80-125

Type: MSD Lab ID: QC486689

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	99.72	74	62-140	4	20
Isopropyl Ether (DIPE)	25.00	24.98	100	71-131	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.14	93	78-130	2	20
Methyl tert-Amyl Ether (TAME)	25.00	24.00	96	80-121	0	20
MTBE	25.00	20.12	80	73-124	4	20
1,2-Dichloroethane	25.00	20.66	83	80-139	1	20
Benzene	25.00	24.86	99	80-122	2	20
Toluene	25.00	25.62	102	80-121	3	20
1,2-Dibromoethane	25.00	25.83	103	80-120	1	20
Ethylbenzene	25.00	27.36	109	80-121	5	20
m,p-Xylenes	50.00	55.53	111	80-120	4	20
o-Xylene	25.00	27.13	109	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-122
1,2-Dichloroethane-d4	105	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	96	80-125

RPD= Relative Percent Difference

Data File: \\Gcmsserver\DD\chem\MSVOA08.i\030909.b\HC926TVH.D

Date : 10-MAR-2009 00:14

Client ID: DYNA P&T

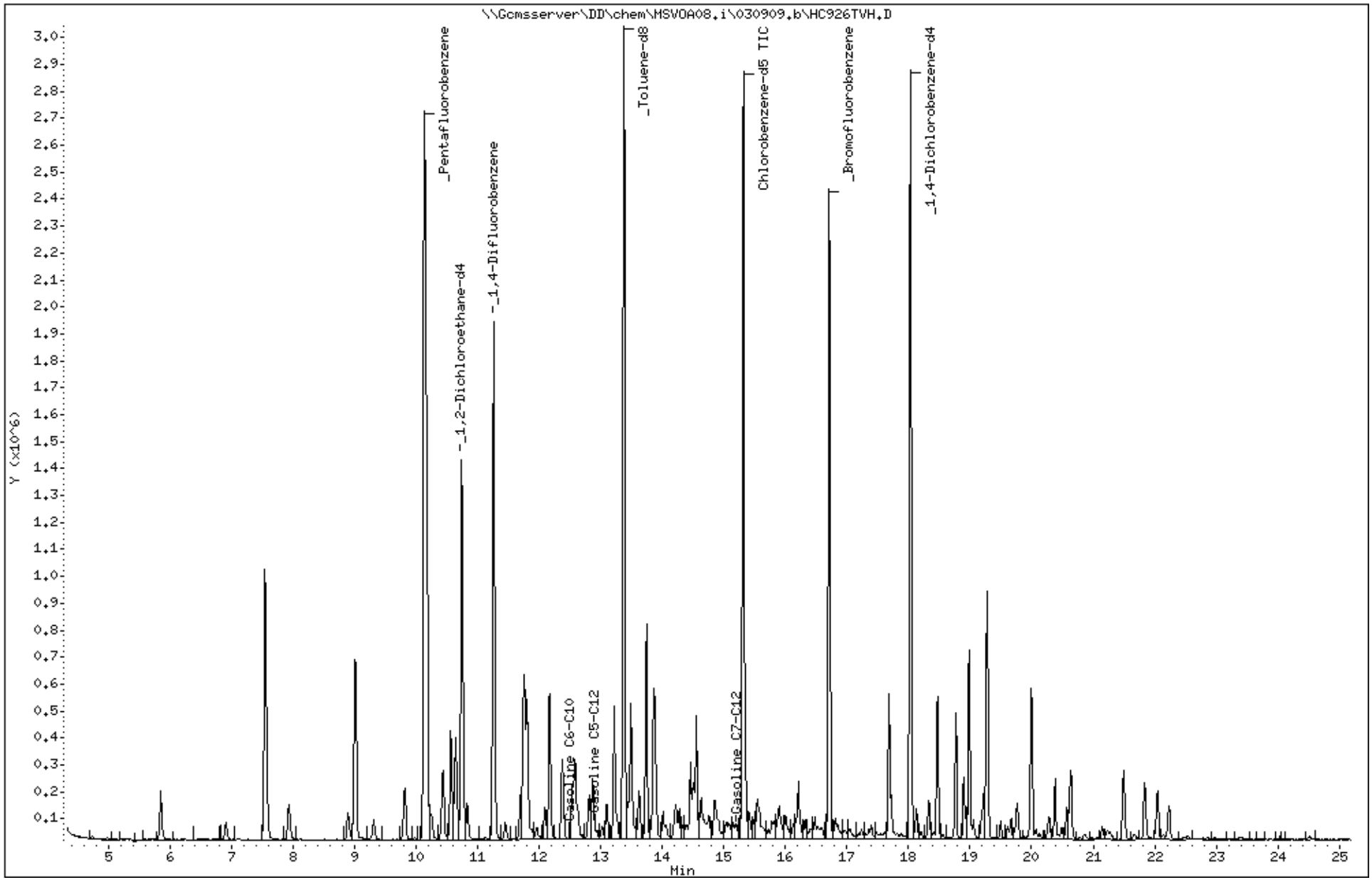
Instrument: MSVOA08.i

Sample Info: S,210402-001

Operator: voc

Column phase:

Column diameter: 2.00



Data File: \\Gcmsserver\DD\chem\MSVOA08.i\030909.b\HC928TVH.D

Date : 10-MAR-2009 01:26

Client ID: DYNA P&T

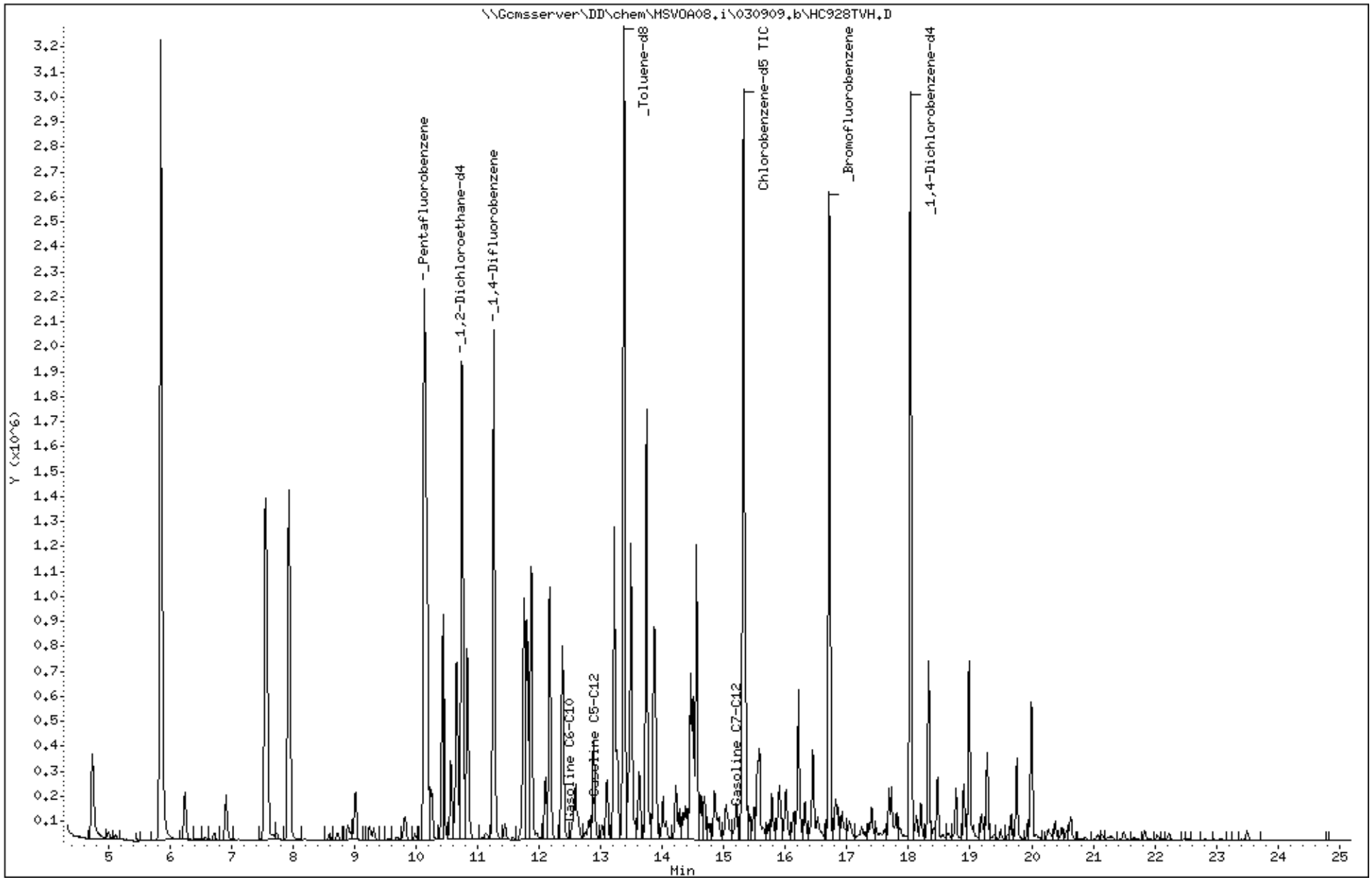
Instrument: MSVOA08.i

Sample Info: S,210402-003

Operator: voc

Column phase:

Column diameter: 2.00



Data File: \\Gcmsserver\DD\chem\MSVOA08.i\031009.b\HCA22TVH.D

Date : 10-MAR-2009 22:31

Client ID: DYNA P&T

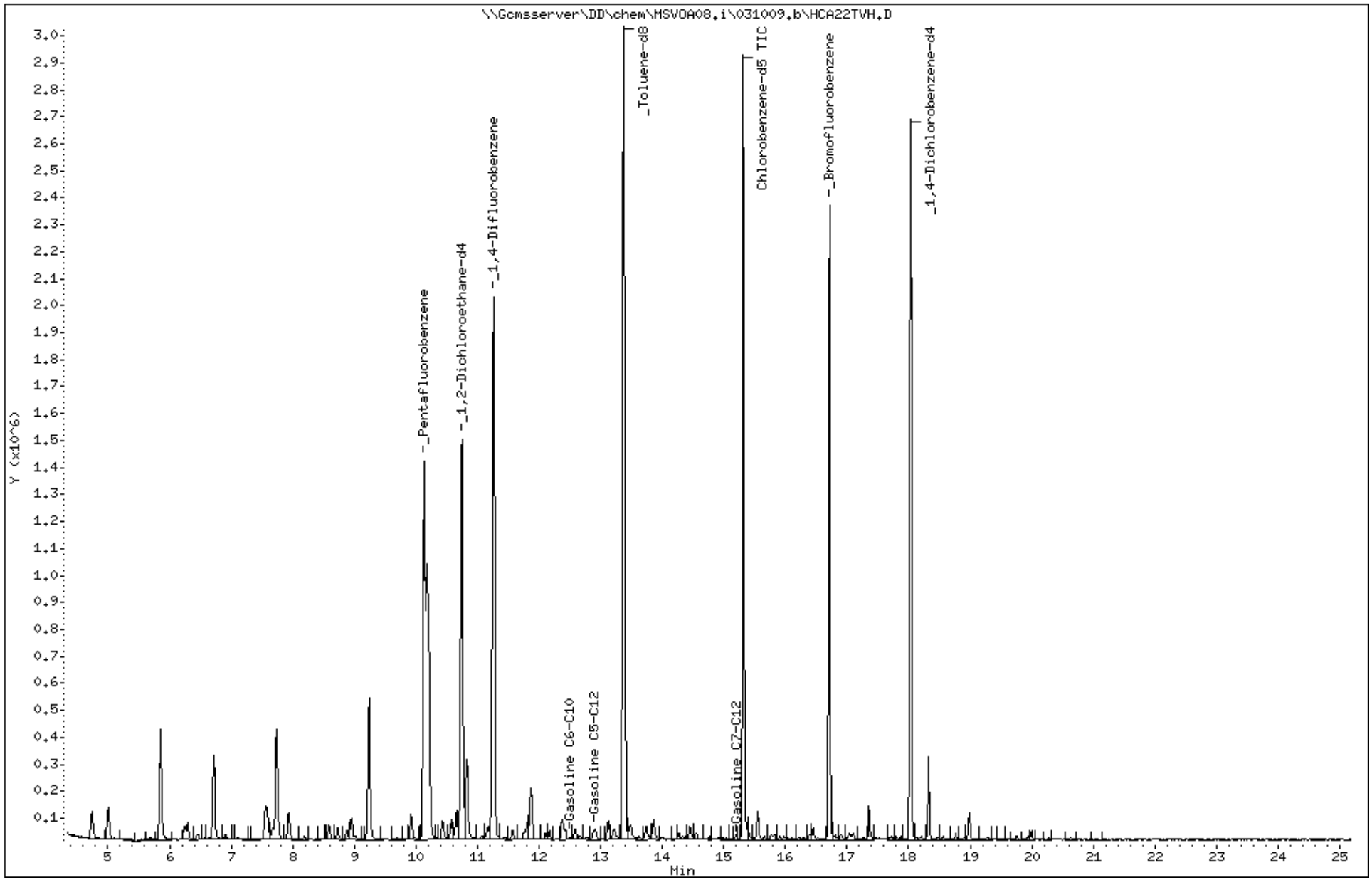
Instrument: MSVOA08.i

Sample Info: S,210402-004

Operator: voc

Column phase:

Column diameter: 2.00



Data File: \\Gcmsserver\DD\chem\MSVOA08.i\030909.b\HC930TVH.D

Date : 10-MAR-2009 02:39

Client ID: DYNA P&T

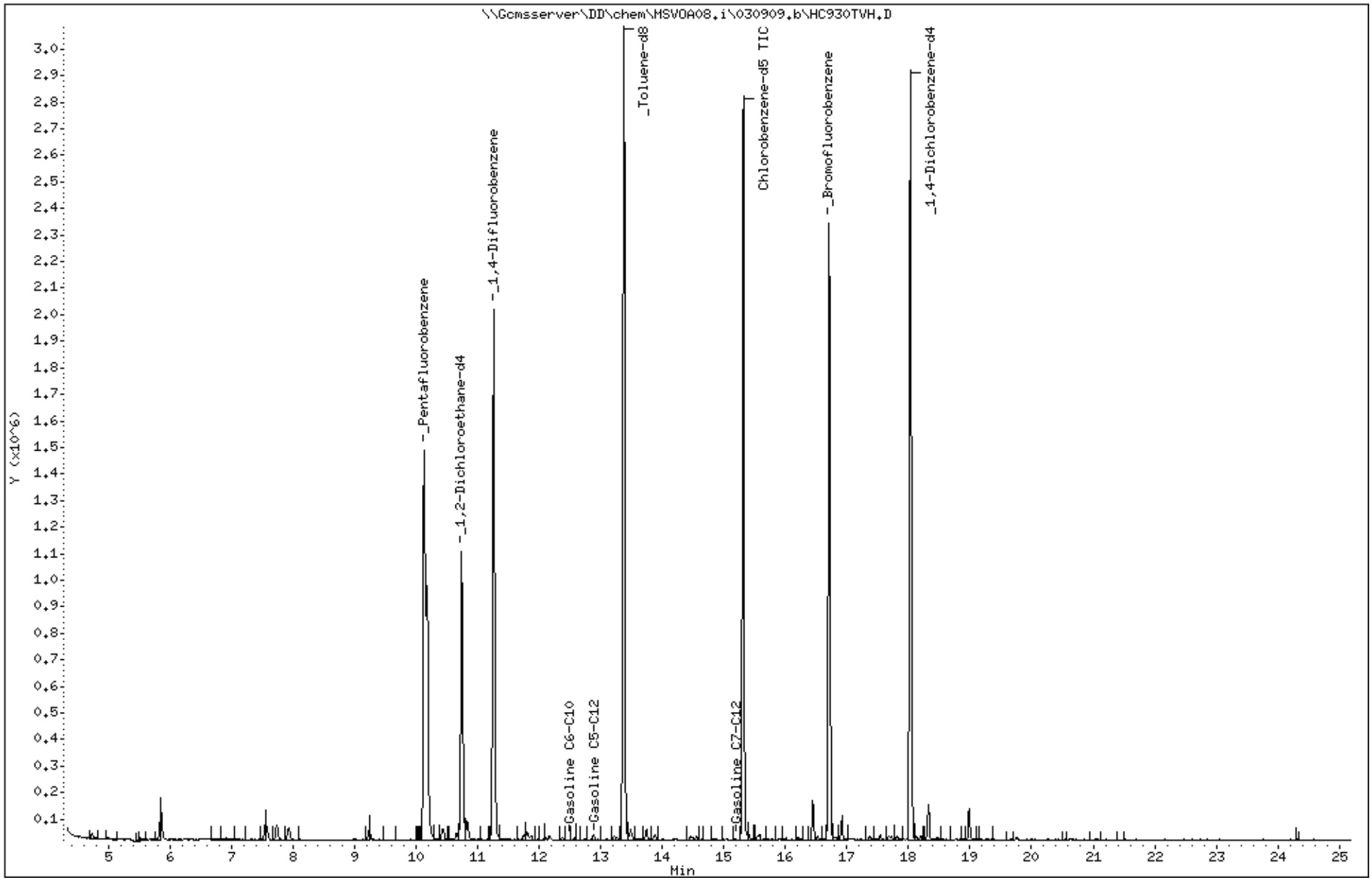
Instrument: MSVOA08.i

Sample Info: S,210402-006

Operator: voc

Column phase:

Column diameter: 2.00



Data File: \\Gcmsserver\DD\chem\MSVOA08.i\030909.b\HC907TVH.D

Date : 09-MAR-2009 13:22

Client ID: DYNA P&T

Instrument: MSVOA08.i

Sample Info: CCV/BS,QC486413,148655,S10867,0.009/100

Operator: voc

Column phase:

Column diameter: 2.00