

RECEIVED

R0359



NOV 2 2006

ENVIRONMENTAL SERVICES

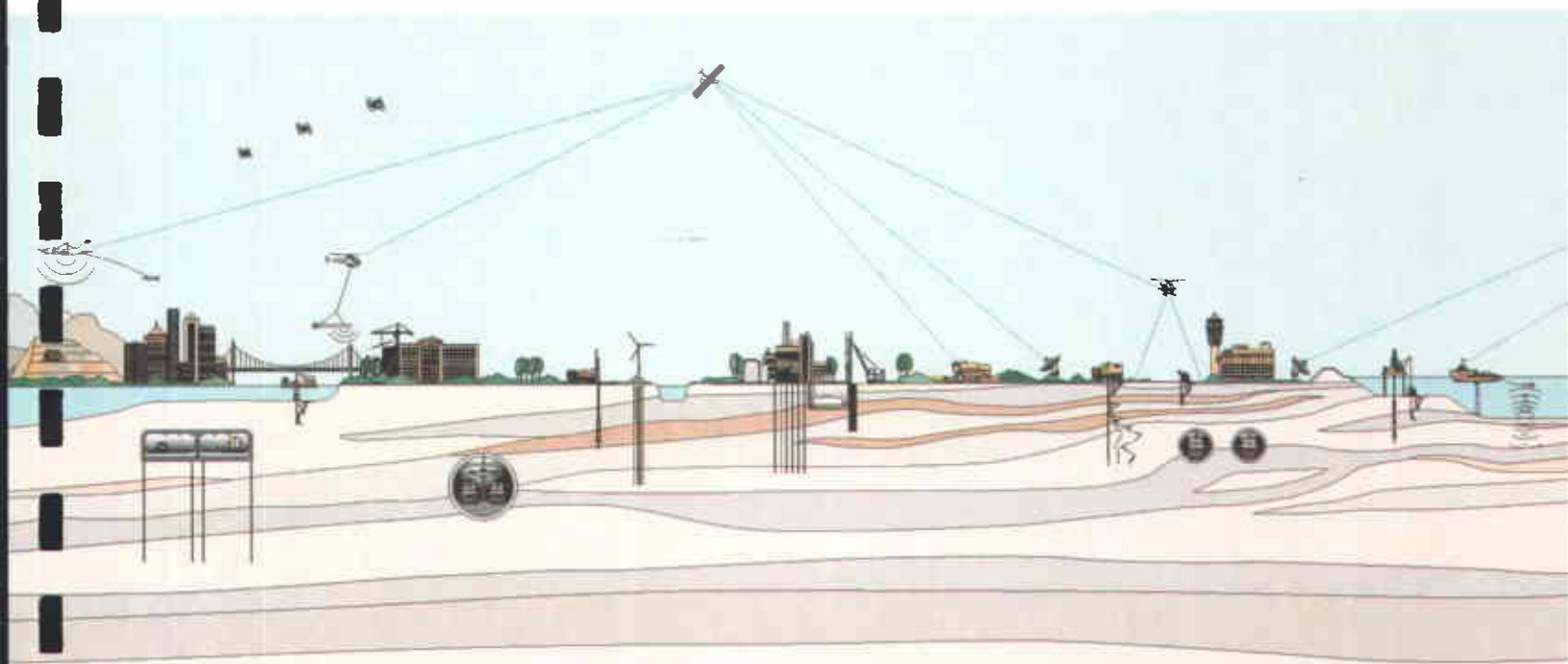
FUGRO WEST, INC.

**QUARTERLY GROUNDWATER MONITORING
REPORT - SUMMER 2006 EVENT
2250 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA**

Prepared for:
BUTTNER PROPERTIES

October 2006

Fugro Project No. 609.004



FUGRO WEST, INC.



1000 Broadway, Suite 200
Oakland, California 94607
Tel: (510) 268-0461
Fax: (510) 268-0137

October 25 2006
Project No. 609.004

Buttner Properties
600 West Grand Avenue
Oakland, California 94612

Attention: Ms. Marianne Robison

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

Alameda County
NOV 02 2006
Environmental Health

Dear Ms. Robison:

Fugro West, Inc., (Fugro) is pleased to present this letter, which records the results of the Summer 2006 groundwater monitoring event 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 events, Fugro sampled the four wells located onsite (MW-1, MW-3, MW-3, and MW-4) as well as two wells located offsite: MW-5 to the south, within the parking lane, and MW-6 within the west bound lanes of the heavily traveled West Grand Avenue.

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." 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 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 and 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 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 and Spring 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 – SUMMER 2006

Fugro conducted this monitoring event on August 7, 2006. Prior to sampling, the presence of free product was checked and the depth to groundwater was measured in all six 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 summer event is presented in the Rose Diagram on Plate 2. The gradient for the August 2006 monitoring event was 0.018 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 depths lower in all wells than the depths measured during the spring 2006 event.

Fugro's field geologist noticed hydrocarbon odor during purging and sampling of monitoring wells MW-3, MW-4 and MW-6; however, no free product was observed. TVHg was detected during this event in the sample from wells MW-1 (720 $\mu\text{g/l}$), MW-3 (4,000 $\mu\text{g/l}$), MW-4 (2,500 $\mu\text{g/l}$), and MW-6 (2,200 $\mu\text{g/l}$). TEHd was detected in samples from wells MW-1 (130 $\mu\text{g/l}$), MW-3 (280 $\mu\text{g/l}$), MW-4 (4,700 $\mu\text{g/l}$), and MW-6 (940 $\mu\text{g/l}$). TEHmo was detected in the sample from well MW-4 (7,200 $\mu\text{g/l}$).

Analysis detected benzene concentrations in wells MW-3 (9 $\mu\text{g/l}$) and MW-4 (0.6 $\mu\text{g/l}$), as well as toluene and ethylbenzene concentrations of 9 $\mu\text{g/l}$ and 31 $\mu\text{g/l}$ in well MW-3. Total xylenes were detected in the sample from wells MW-3 (12 $\mu\text{g/l}$). No concentrations of benzene, toluene, ethylbenzene, or total xylenes were detected in any of the remaining samples tested.

With the exception of 0.5 $\mu\text{g/l}$ detected in well MW-6, no MTBE concentrations were detected in any of the remaining samples tested during this event. Analysis also detected TBA in MW-1 (18 $\mu\text{g/l}$) and MW-3 (18 $\mu\text{g/l}$). None of the lead scavengers or remaining fuel oxygenates were detected in any of the samples analyzed.



NEXT GROUNDWATER MONITORING EVENT

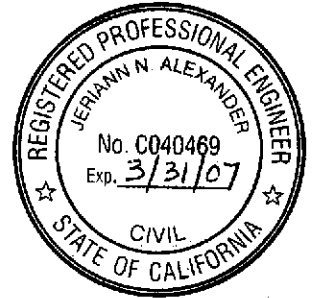
The next scheduled event will be conducted in October or November 2006. If you have any questions, please call either of the undersigned at (510) 268-0461.

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:tn

- 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



Table 1
Groundwater Elevation Data
2250 Telegraph Avenue
Oakland, California

<u>Monitoring Well</u>	<u>Date</u>	<u>TOC Elevation (feet) MSL</u>	<u>DTW (feet)</u>	<u>Elevation (feet) MSL</u>
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
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		



**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
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	



**Table 1
Groundwater Elevation Data
2250 Telegraph Avenue
Oakland, California**

<u>Monitoring Well</u>	<u>Date</u>	<u>TOC Elevation (feet) MSL</u>	<u>DTW (feet)</u>	<u>Elevation (feet) MSL</u>
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
	MW-6		6/26/1997	18.36
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		

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
Buttner Properties
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	Ethylbenzene 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										
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	<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	--		
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	<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	--		
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
Buttner Properties
Oakland, California

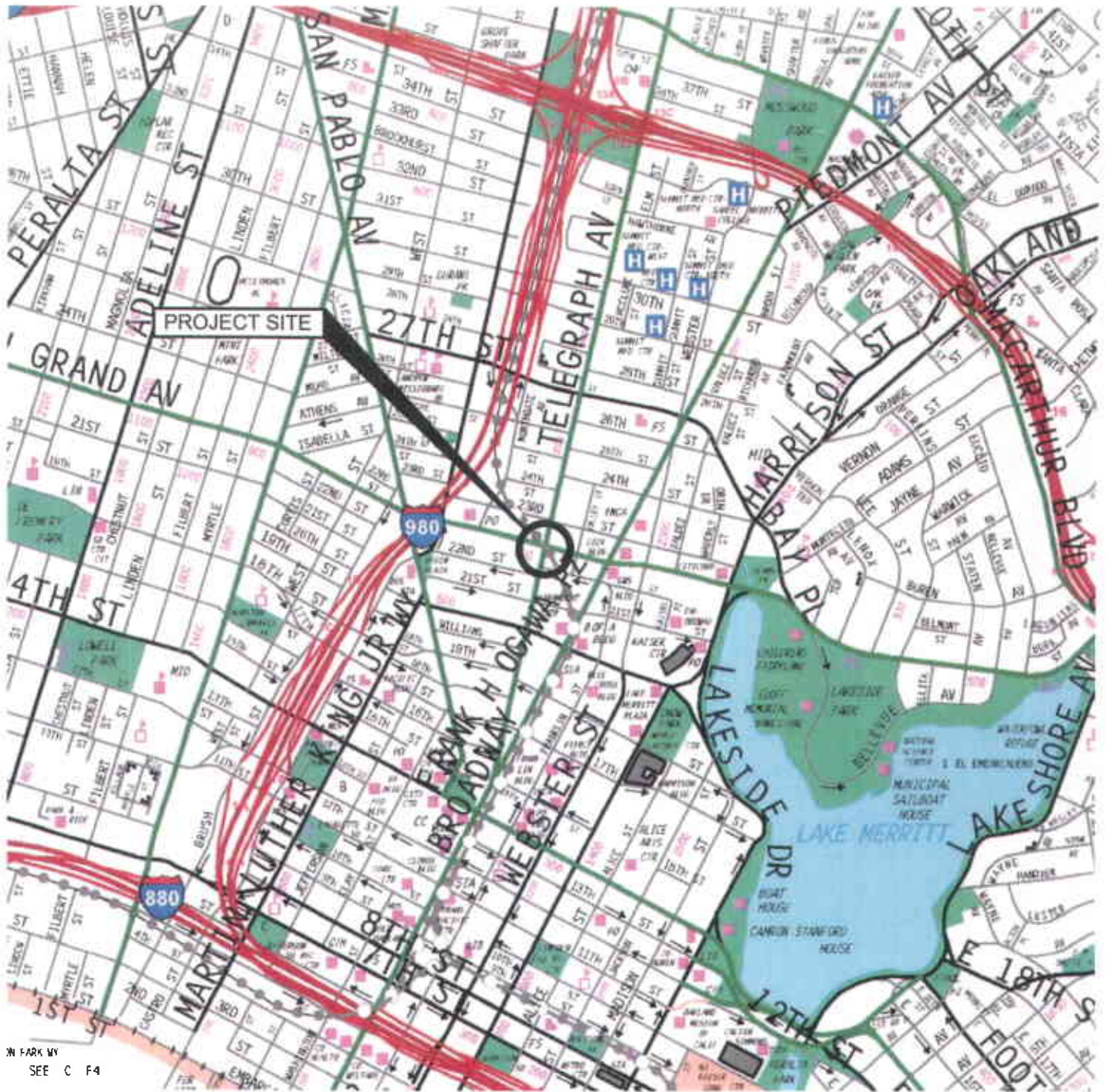
Well	Date	Groundwater Elevation MSL (feet)	Petroleum Hydrocarbons				Volatile Organics														
			TVH as Gasoline µg/l	TEH as Kerosene µg/l	TEH as Diesel µg/l	TEH as Motor Oil µg/l	Benzene µg/l	Toluene µg/l	Ethyl-benzene µg/l	Xylenes µg/l	MTBE -8020 µg/l	MTBE -8260 µg/l	TBA µg/l	DIPE µg/l	ETBE 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-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	0.87c	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	8.52	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	10.20	4,000 ^Y	--	280 ^{LY}	<300	630	9	31	12	--	<0.5	18	<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 ^{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	5.8c	--	<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	--	--	
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	--	--
		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	--	--

Table 2
Chemical Concentrations in Groundwater
Buttner Properties
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 -802D 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
	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	--	--

Notes

- DCA = Dichloroethane
 DBA = Dibromoethane
 TCA = Trichloroethane
 PCE = Tetrachloroethene
 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 specific
 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

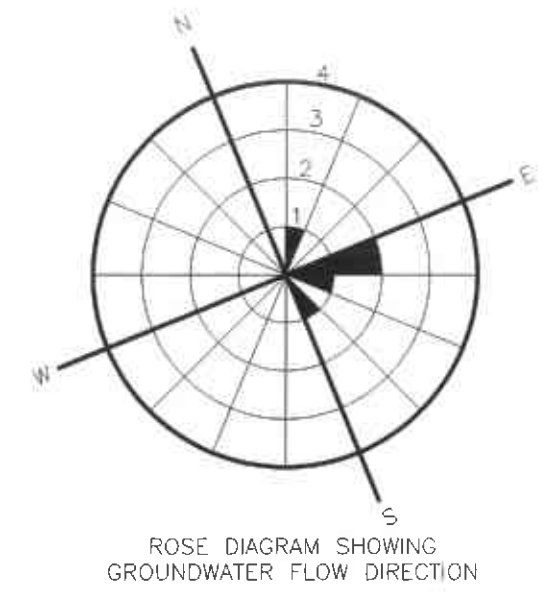
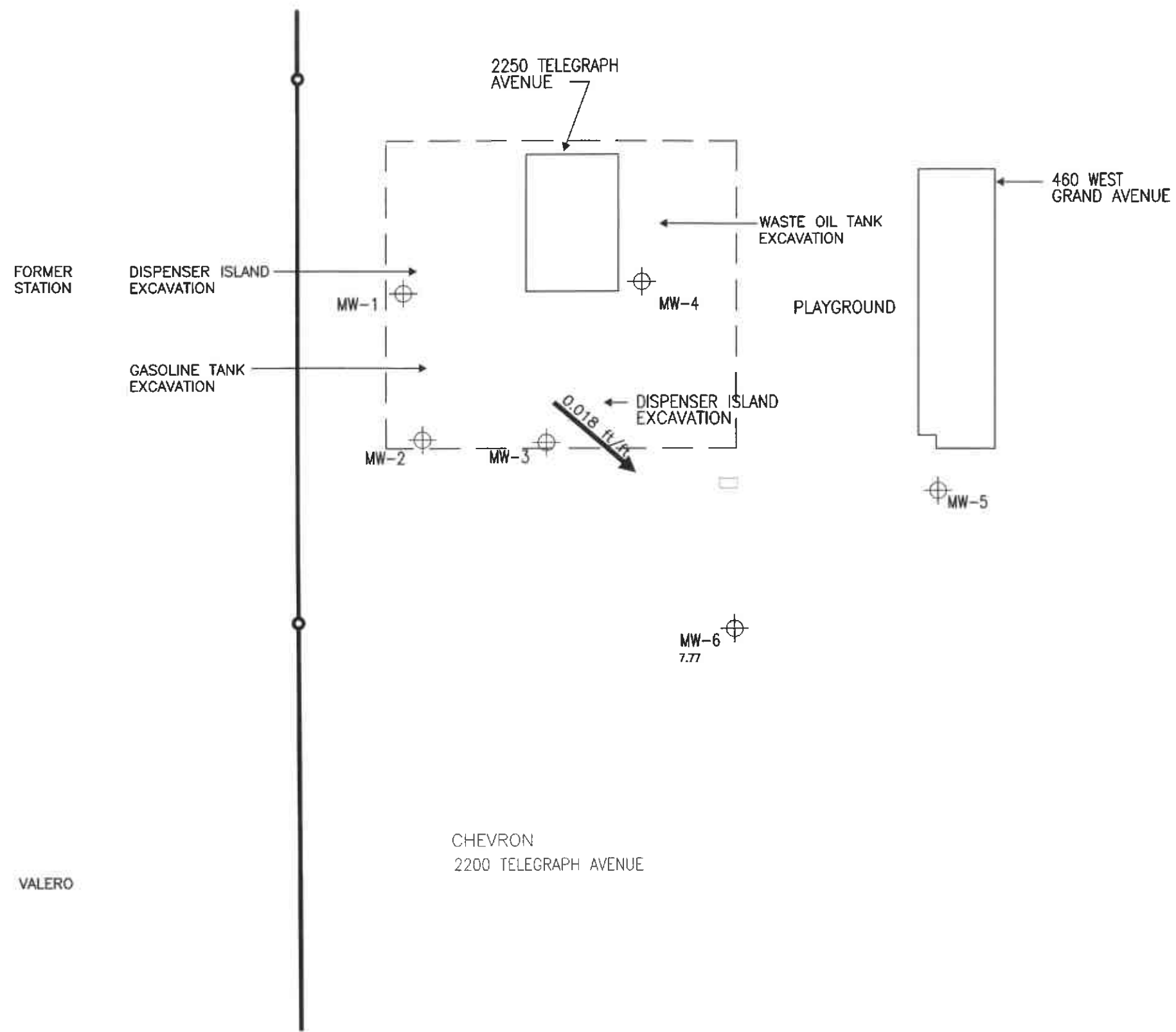


IN PARK WY
SEE C F4

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.

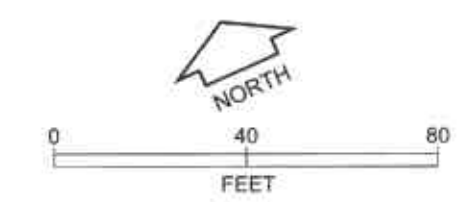


VICINITY MAP
2250 Telegraph Avenue
Oakland, California



EXPLANATION

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



SITE PLAN
 2250 Telegraph Avenue
 Oakland, California

G:\jobdocs\609\609.004\Drawings\B609_004_01_rev2.dwg 10-25-06 02:53:43 PM rkanadh

VALERO



WELL SAMPLING FORM

PROJECT NAME: 2250 Telegraph Ave
PROJECT NO.: 609.004
SAMPLED BY: Obi Nzewi
DATE: 8/7/2006
WEATHER: mild, overcast

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

TOTAL DEPTH OF CASING (BTOC): 18.31 FEET
DEPTH TO GROUNDWATER (BTGC): 11.40 FEET
FEET OF WATER IN WELL: 6.91 FEET

CALCULATED PURGE VOLUME: 3.4 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

FREE PRODUCT: NA
PURGE METHOD: Disposable Bailer

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER

FIELD MEASUREMENTS

Table with 9 columns: GALLONS REMOVED, TIME, Temp, pH, CONDUCTIVITY (µS/CM), TDS (g/L), ORP (mV), DO (mg/l), COMMENTS. Includes data for Downhole (Pre-Purge) at 2, 3-5 gallons removed.

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTGC): TIME SAMPLED: 1028

SAMPLING METHOD Bailer

CONTAINERS / PRESERVATIVE: 6 / HCL 40 ML LITER
Poly OTHER

ANALYSES: (Note if any samples are field filtered)

- X TEHd, TEHmo (8015 w/ Silica gel)
X TVHg, BTEX, MTBE (8015/8020)
X 5 Fuel Oxygenates (8260)
X Lead Scavengers (8260)
Title 22 Metals (6010/9000)
Pesticides (8080)
PCBs (8080)
Sulfate (300.0)
Nitrate (300.0)
Fe 2+ - Field Filtered

MISC FIELD OBSERVATION:



WELL SAMPLING FORM

PROJECT NAME: 2250 Telegraph Ave
PROJECT NO.: 609.004
SAMPLED BY: Obi Nzewi
DATE: 8/7/2006
WEATHER: mild overcast

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

TOTAL DEPTH OF CASING (BTOC): 16.85 FEET
DEPTH TO GROUNDWATER (BTOC): 11.84 FEET
FEET OF WATER IN WELL: 5.01 FEET

CALCULATED PURGE VOLUME: 2.5 gallons
FREE PRODUCT: NA
PURGE METHOD: Disposable Bailers

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER

FIELD MEASUREMENTS

Table with 9 columns: GALLONS REMOVED, TIME, Temp, pH, CONDUCTIVITY (uS/CM), TDS (g/L), ORP (mV), DO (mg/l), COMMENTS. Contains 3 rows of data for downhole samples.

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC):
SAMPLING METHOD: Bailers
TIME SAMPLED: 0950

CONTAINERS / PRESERVATIVE: 6 / HCL 40 ML
1 / none LITER
Poly OTHER

- ANALYSES: (Note if any samples are field filtered)
[X] TEHd, TEHmo (8015 w/ Silica gel)
[X] TVHg, BTEX, MTBE (8015/8020)
[X] 5 Fuel Oxygenates (8260)
[X] Lead Scavengers (8260)
Title 22 Metals (6010/9000)
Pesticides (8080)
PCBs (8080)
Sulfate (300.0)
Nitrate (300.0)
Fe2+ - Field Filtered

MISC FIELD OBSERVATION:



WELL SAMPLING FORM

PROJECT NAME: 2250 Telegraph Ave
PROJECT NO.: 609.004
SAMPLED BY: Obi Nzewi
DATE: 8/7/2006
WEATHER: Mid, Overcast

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

TOTAL DEPTH OF CASING (BTOC): 16.30 FEET
DEPTH TO GROUNDWATER (BTGC): 10.30 FEET
FEET OF WATER IN WELL: 6-0 FEET

CALCULATED PURGE VOLUME: 2.9 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

FREE PRODUCT: NA
PURGE METHOD: Disposable Bailer

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER

FIELD MEASUREMENTS

Table with 9 columns: GALLONS REMOVED, TIME, Temp, pH, CONDUCTIVITY (µS/CM), TDS (g/L), ORP (mV), DO (mg/l), COMMENTS. Includes data for Downhole (Pre-Purge) samples 2 and 3.

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTGC): TIME SAMPLED: 0903

SAMPLING METHOD Bailer

CONTAINERS / PRESERVATIVE: 6 / HCL 40 ML, 1 / none LITER, Poly, OTHER

- ANALYSES: (Note if any samples are field filtered)
[X] TEHd, TEHmo (8015 w/ Silica gel)
[X] TVHg, BTEX, MTBE (8015/8020)
[X] 5 Fuel Oxygenates (8260)
[X] Lead Scavengers (8260)
Title 22 Metals (6010/9000)
Pesticides (8080)
PCBs (8080)
Sulfate (300.0)
Nitrate (300.0)
Fe 2+ - Field Filtered

DISC FIELD OBSERVATION: Well nearly purged dry.



WELL SAMPLING FORM

PROJECT NAME: 2250 Telegraph Ave
PROJECT NO.: 609.004
SAMPLED BY: Obi Nzewi
DATE: 8/7/2006
WEATHER: mild, overcast

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

TOTAL DEPTH OF CASING (BTCC): 18.30 FEET
DEPTH TO GROUNDWATER (BTCC): 11.90 FEET
FEET OF WATER IN WELL: 6.40 FEET

CALCULATED PURGE VOLUME: 3.1 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

FREE PRODUCT: NA
PURGE METHOD:

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 for downhole samples.

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTCC): TIME SAMPLED: 1115

SAMPLING METHOD: Bailer

CONTAINERS / PRESERVATIVE: 40 ML (HCL), LITER (none), OTHER (Poly)

- ANALYSES: (Note if any samples are field filtered)
[X] TEHd, TEHmo (8015 w/ Silica gel)
[X] TVHg, BTEX, MTBE (8015/8020)
[X] 5 Fuel Oxygenates (8260)
[X] Lead Scavengers (8260)
Title 22 Metals (8010/9000)
Pesticides (8080)
PCBs (8080)
Sulfate (300.0)
Nitrate (300.0)
Fe 2+ - Field Filtered

SC FIELD OBSERVATION: slight sheen



WELL SAMPLING FORM

PROJECT NAME: 2250 Telegraph Ave
PROJECT NO.: 609.004
SAMPLED BY: Obi Nzewi
DATE: 8/7/2006
WEATHER: Mild overcast

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

TOTAL DEPTH OF CASING (BTCC): 17.4 FEET
DEPTH TO GROUNDWATER (BTCC): 8.27 FEET
FEET OF WATER IN WELL: 9.13 FEET

CALCULATED PURGE VOLUME: 4.5 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

FREE PRODUCT: NA

PURGE METHOD: Disposable Bailers

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER

FIELD MEASUREMENTS

Table with 9 columns: GALLONS REMOVED, TIME, Temp, pH, CONDUCTIVITY (uS/CM), TDS (g/L), ORP (mV), DO (mg/l), COMMENTS. Includes data for Downhole (Pre-Purge) and 2 samples.

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTCC): TIME SAMPLED: 0653

SAMPLING METHOD: Bailers

CONTAINERS / PRESERVATIVE: 6 / HCL / 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)
5 Fuel Oxygenates (8260)
Lead Scavengers (8260)
Title 22 Metals (6010/9000)
Pesticides (8080)
PCBs (8080)
Sulfate (300.0)
Nitrate (300.0)
Fe 2+ - Field Filtered

FIELD OBSERVATION:



WELL SAMPLING FORM

PROJECT NAME: 2250 Telegraph Ave
PROJECT NO.: 609.004
SAMPLED BY: Obi Nzewi
DATE: 8/7/2006
WEATHER: overcast wind mild

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

TOTAL DEPTH OF CASING (BTOC): 18.95 FEET
DEPTH TO GROUNDWATER (BTOC): 10.59 FEET
FEET OF WATER IN WELL: 8.36 FEET
CALCULATED PURGE VOLUME: 4.09 gallons
FREE PRODUCT: NA
PURGE METHOD: Disposable Bailer

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER

FIELD MEASUREMENTS

Table with 9 columns: GALLONS REMOVED, TIME, Temp, pH, CONDUCTIVITY (uS/CM), TDS (g/L), ORP (mV), DO (mg/l), COMMENTS. Contains 3 rows of data for downhole samples.

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): TIME SAMPLED: 0550

SAMPLING METHOD Bailer

CONTAINERS / PRESERVATIVE: 5 / none HCL 40 ML LITER OTHER

- ANALYSES: (Note if any samples are field filtered)
[X] TEHd, TEHmo (8015 w/ Silica gel)
[X] TVHg, BTEX, MTBE (8015/8020)
[X] 5 Fuel Oxygenates (8260)
[X] Lead Scavengers (8260)
Title 22 Metals (6010/9000)
Pesticides (8080)
PCBs (8080)
Sulfate (300.0)
Nitrate (300.0)
Fe 2+ - Field Filtered

DISC FIELD OBSERVATION:

**ANALYTICAL TEST REPORT
AND CHAIN OF CUSTODY FORM**



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

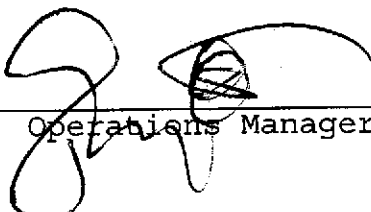
Prepared for:

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

Date: 28-AUG-06
Lab Job Number: 188575
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: 
Project Manager

Reviewed by: 
Operations Manager

This package may be reproduced only in its entirety.

CASE NARRATIVE

Laboratory number: 188575
Client: Fugro West Inc.
Project: 609.004
Location: 2250 Telgraph Av. Oakland
Request Date: 08/07/06
Samples Received: 08/07/06

This hardcopy data package contains sample and QC results for six water samples, requested for the above referenced project on 08/07/06. The samples were received cold and intact.

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

High surrogate recoveries were observed for trifluorotoluene (FID) in MW-4 (lab # 188575-004) and MW-6 (lab # 188575-006); the corresponding bromofluorobenzene (FID) surrogate recoveries were within limits. No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

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

No analytical problems were encountered.

1805 15

CHAIN OF CUSTODY

PROJECT NAME: 2250 Telegraph Ave
 PROJECT NO.: 609.004 LAB: C&T
 PROJECT CONTACT: Obi Nzewi TURNAROUND: Standard
 SAMPLED BY: Obi Nzewi


ANALYSIS REQUESTED					
TPHg (8015m)	TPHd and mo (8015m w/silica gel)	BTEX (8260)	5 Fuel Oxygenates (8260)	Lead Scavengers (8260)	
X	X	X	X	X	
X	X	X	X	X	
X	X	X	X	X	
X	X	X	X	X	
X	X	X	X	X	

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX				CONTAINERS				PRESERVATIVE					SAMPLING DATE				NOTES							
		WATER	SOIL	AIR		VOA	LITER	PINT	TUBE	HCL	H ₂ SO ₄	HNO ₃	ICE	OTHER	NONE	MONTH	DAY	YEAR		TIME						
-1	MW-1	X				6	1			X			X		X	0	8	0	7	0	6	1	0	2	8	
-2	MW-2	X				6	1			X			X		X	0	8	0	7	0	6	0	9	5	0	
-3	MW-3	X				6	1			X			X		X	0	8	0	7	0	6	0	9	0	3	
-4	MW-4	X				6	1			X			X		X	0	8	0	7	0	6	1	1	1	5	
-5	MW-5	X				6	1			X			X		X	0	8	0	7	0	6	0	6	5	3	
-6	MW-6	X				6	1			X			X		X	0	8	0	7	0	6	0	5	5	0	

CHAIN OF CUSTODY RECORD			
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
<i>Obi Nzewi</i>	8/7/06 1:50	<i>[Signature]</i>	8/7/06 1:50 pm
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

COMMENTS & NOTES:

PCD intact, on ice



FUGRO WEST, INC.
 1000 Broadway, Suite 200
 Oakland, California 94607
 Tel: 510.268.0461 Fax: 510.268.0137



Total Volatile Hydrocarbons

Lab #:	188575	Location:	2250 Telegraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	08/07/06
Units:	ug/L	Received:	08/07/06
Diln Fac:	1.000	Analyzed:	08/07/06
Batch#:	116117		

Field ID: MW-1 Lab ID: 188575-001
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	720 Y	50
Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	69-137
Bromofluorobenzene (FID)	121	80-133

Field ID: MW-2 Lab ID: 188575-002
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50
Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	69-137
Bromofluorobenzene (FID)	96	80-133

Field ID: MW-3 Lab ID: 188575-003
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	4,000 Y	50
Surrogate	%REC	Limits
Trifluorotoluene (FID)	82	69-137
Bromofluorobenzene (FID)	125	80-133

Field ID: MW-4 Lab ID: 188575-004
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	2,500 Y	50
Surrogate	%REC	Limits
Trifluorotoluene (FID)	208 *	69-137
Bromofluorobenzene (FID)	127	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

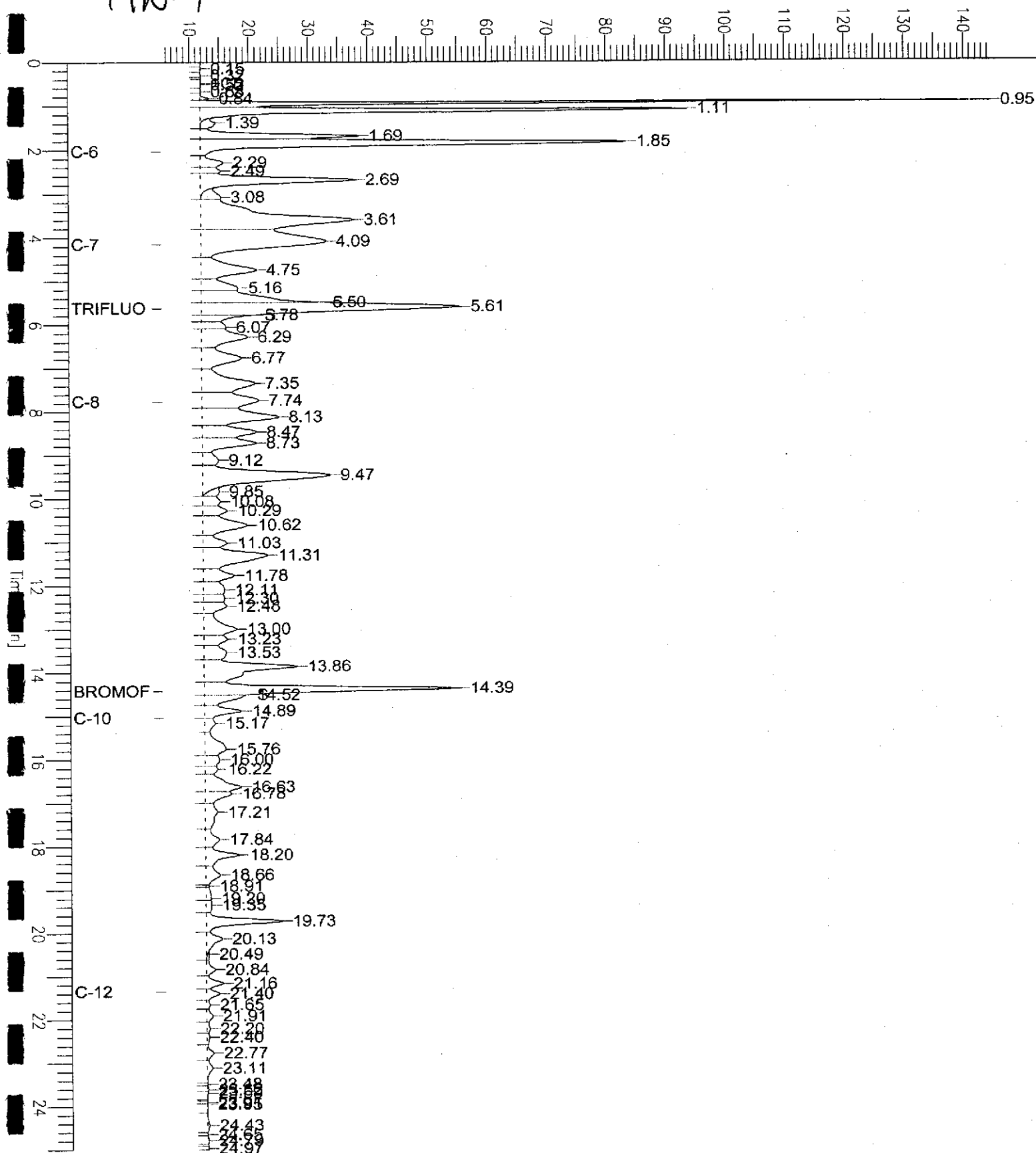
Chromatogram

Sample Name : 188575-001,116117, tvh only
File Name : G:\GC05\DATA\219G006.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor : 1.0 Plot Offset: 5 mV

Sample #: a1.0 Page 1 of 1
Date : 8/8/06 02:10 PM
Time of Injection: 8/7/06 05:12 PM
Low Point : 5.18 mV High Point : 144.56 mV
Plot Scale: 139.4 mV

MW-1

Response [mV]



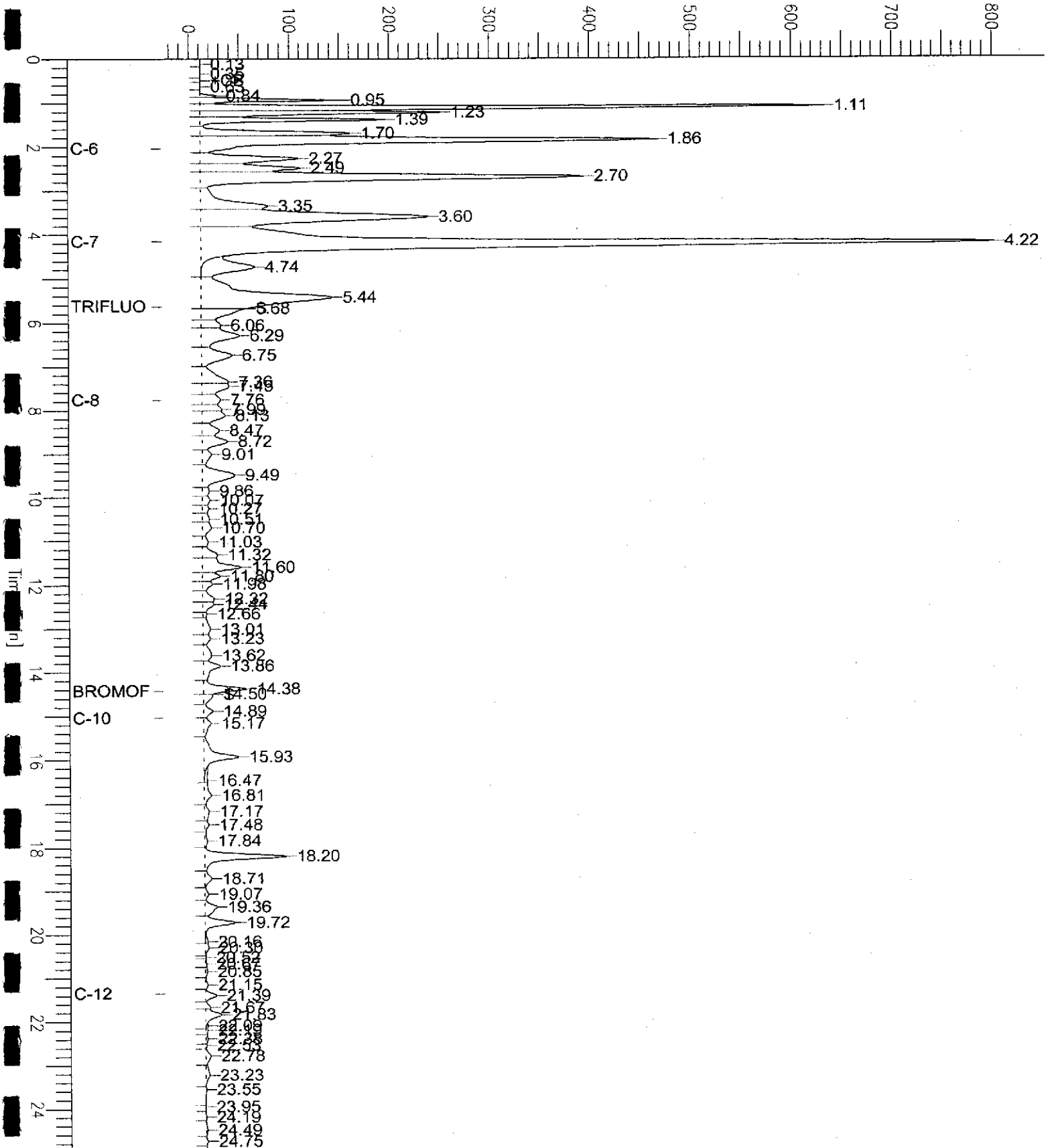
Chromatogram

Sample Name : 188575-003,116117,tvh only
File Name : G:\GC05\DATA\219G007.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor : 1.0 Plot Offset : -28 mV

Sample #: a1.0 Page 1 of 1
Date : 8/8/06 02:10 PM
Time of Injection: 8/7/06 05:44 PM
Low Point : -27.74 mV High Point : 803.09 mV
Plot Scale: 830.8 mV

MW-3

Response [mV]



Chromatogram

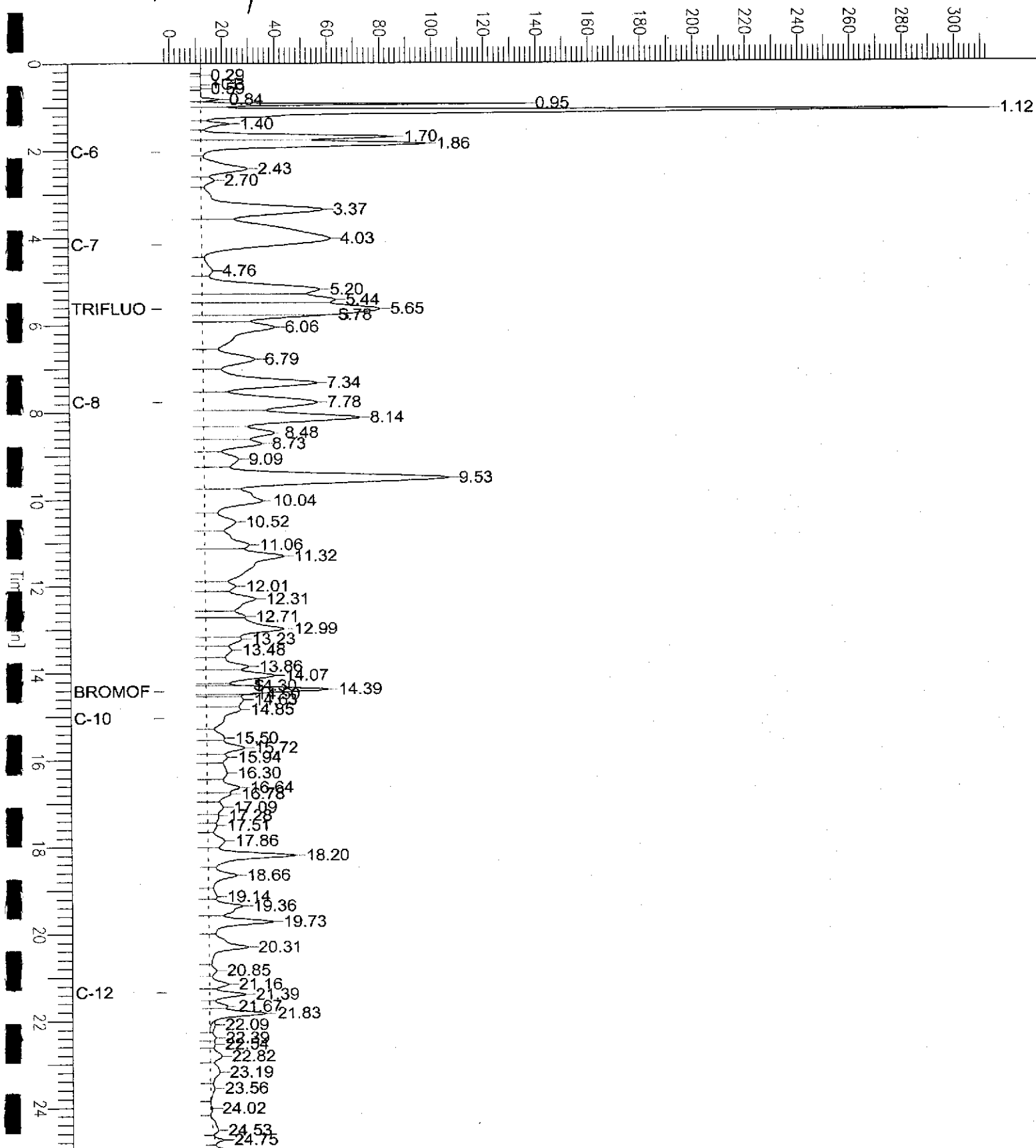
Sample Name : 188575-004,116117,tvh only
File Name : G:\GC05\DATA\219G010.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor : 1.0 Plot Offset : -3 mV

Sample #: a1.0
Date : 8/8/06 02:10 PM
Time of Injection: 8/7/06 07:19 PM
Low Point : -3.24 mV High Point : 313.45 mV
Plot Scale: 316.7 mV

Page 1 of 1

MW-4

Response [mV]



Chromatogram

Sample Name : 188575-006,116117,tvh only

Sample #: a1.0

Page 1 of 1

FileName : G:\GC05\DATA\219G009.raw

Date : 8/8/06 02:10 PM

Method : TVHBTXE

Time of Injection: 8/7/06 06:47 PM

Start Time : 0.00 min

End Time : 25.00 min

Low Point : -1.05 mV

High Point : 270.81 mV

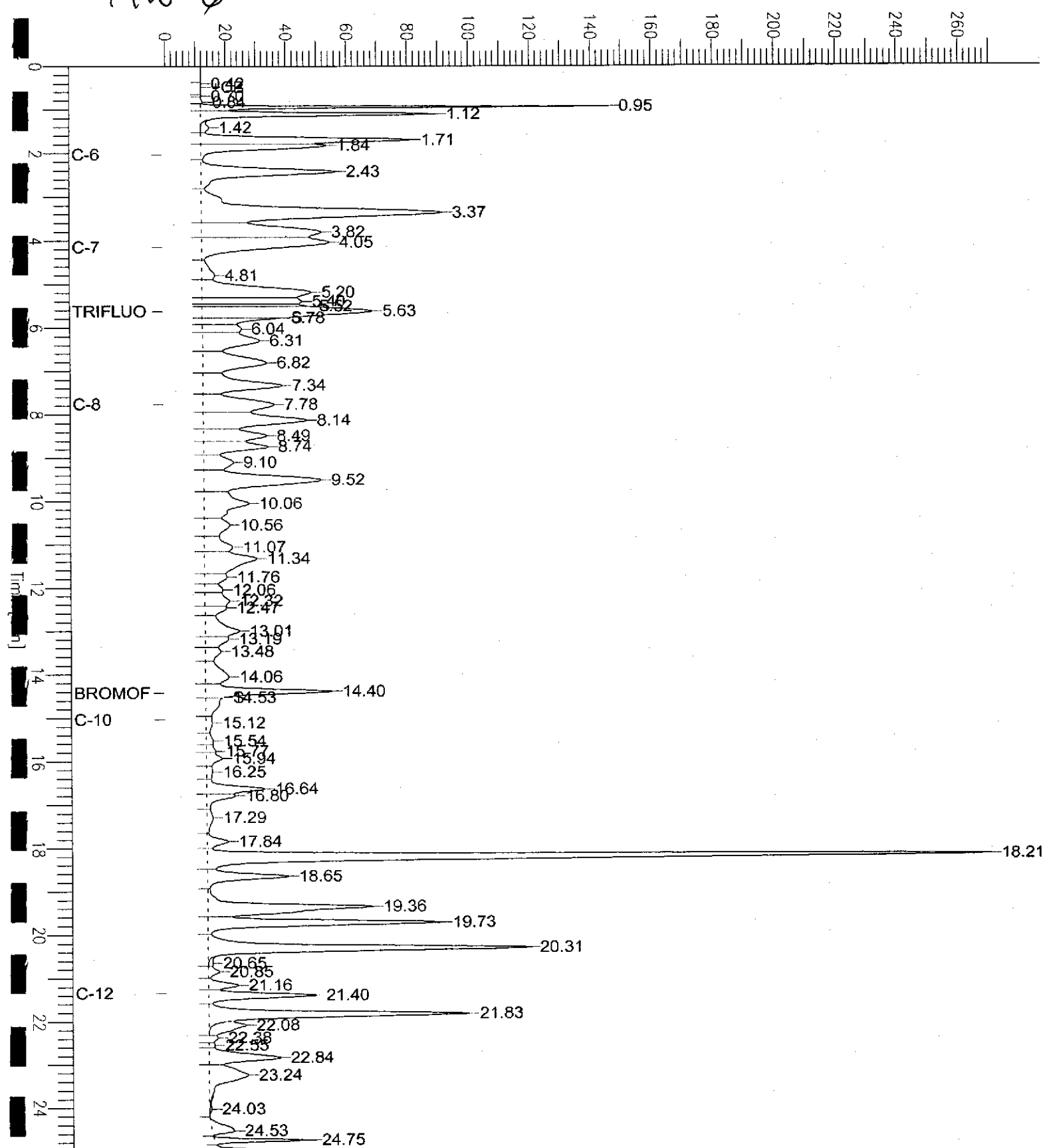
Scale Factor: 1.0

Plot Offset: -1 mV

Plot Scale: 271.9 mV

MW-6

Response [mV]

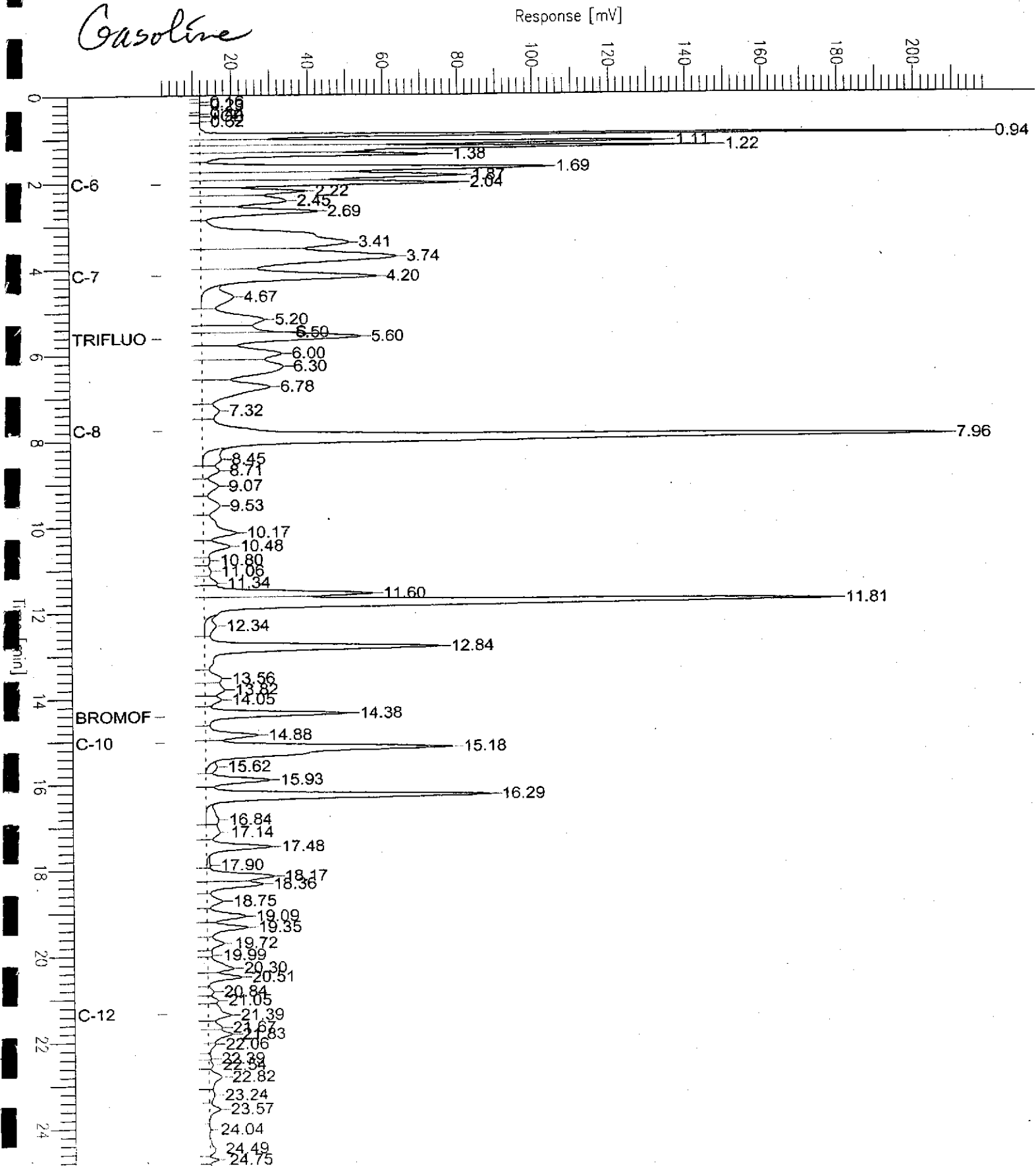


Chromatogram

Sample Name : ccv/lcs,qc350689,116117,s3982,5/5000
File Name : G:\GC05\DATA\219G003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor : 1.0 Plot Offset : 2 mV

Sample # :
Date : 8/8/06 02:10 PM
Time of Injection : 8/7/06 02:57 PM
Low Point : 1.50 mV High Point : 218.59 mV
Plot Scale : 217.1 mV

Page 1 of 1



Batch QC Report

Total Volatile Hydrocarbons

Lab #:	188575	Location:	2250 Telegraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC350689	Batch#:	116117
Matrix:	Water	Analyzed:	08/07/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,952	98	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	98	69-137
Bromofluorobenzene (FID)	103	80-133

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	188575	Location:	2250 Telegraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8015B
Field ID:	MW-2	Batch#:	116117
MSS Lab ID:	188575-002	Sampled:	08/07/06
Matrix:	Water	Received:	08/07/06
Units:	ug/L	Analyzed:	08/07/06
Diln Fac:	1.000		

Type: MS Lab ID: QC350759

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	18.60	2,000	1,887	93	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	69-137
Bromofluorobenzene (FID)	106	80-133

Type: MSD Lab ID: QC350760

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,884	93	80-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	69-137
Bromofluorobenzene (FID)	103	80-133

RPD= Relative Percent Difference

Total Extractable Hydrocarbons

Lab #:	188575	Location:	2250 Telegraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 3520C
Project#:	609.004	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	08/07/06
Units:	ug/L	Received:	08/07/06
Diln Fac:	1.000	Prepared:	08/09/06
Batch#:	116217		

Field ID: MW-1	Analyzed: 08/10/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 188575-001	

Analyte	Result	RL
Diesel C10-C24	130 L Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	114	65-130

Field ID: MW-2	Analyzed: 08/10/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 188575-002	

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

Surrogate	%REC	Limits
Hexacosane	98	65-130

Field ID: MW-3	Analyzed: 08/10/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 188575-003	

Analyte	Result	RL
Diesel C10-C24	280 L Y	50
Motor Oil C24-C36	ND	300

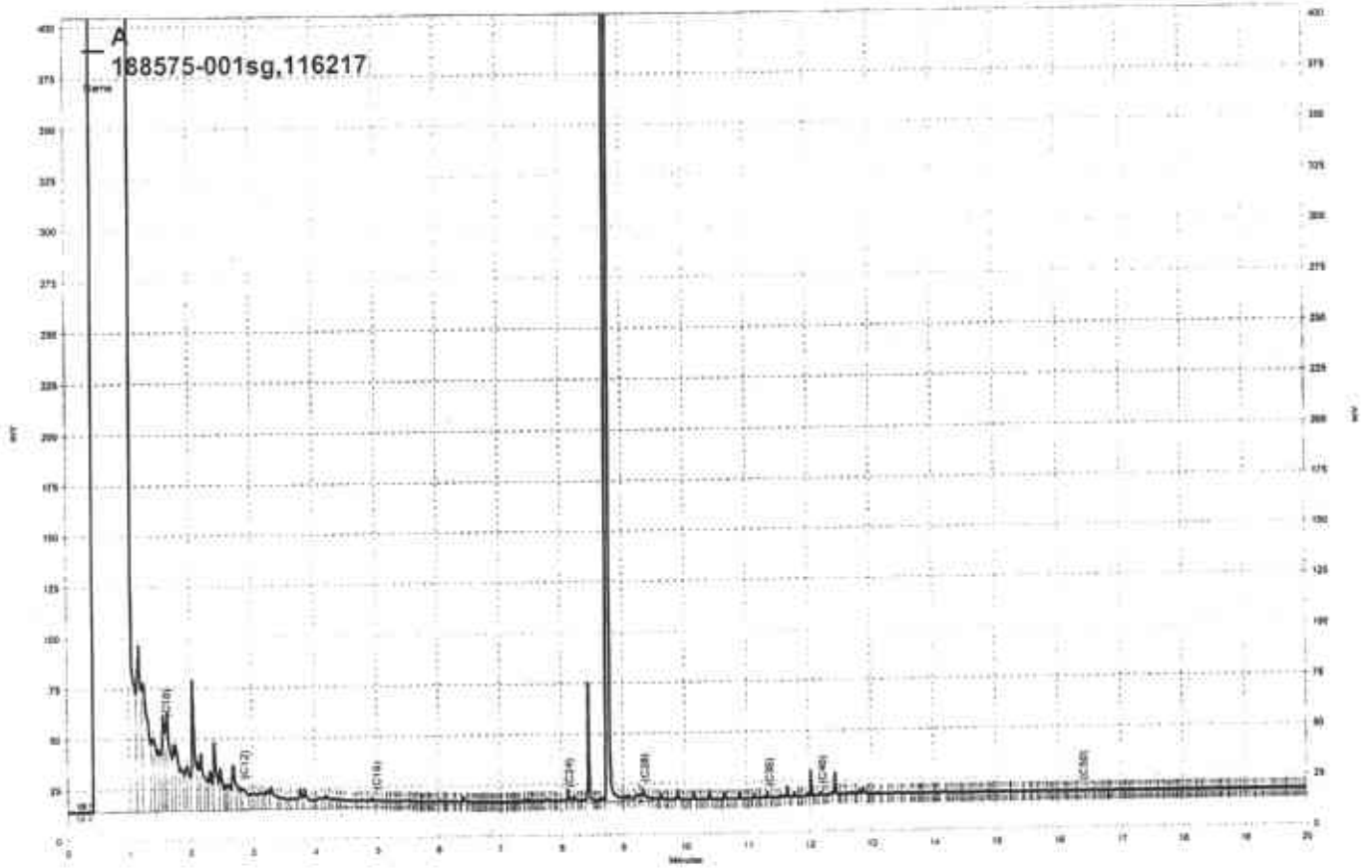
Surrogate	%REC	Limits
Hexacosane	106	65-130

Field ID: MW-4	Analyzed: 08/10/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 188575-004	

Analyte	Result	RL
Diesel C10-C24	4,700 H L Y	50
Motor Oil C24-C36	7,200 L	300

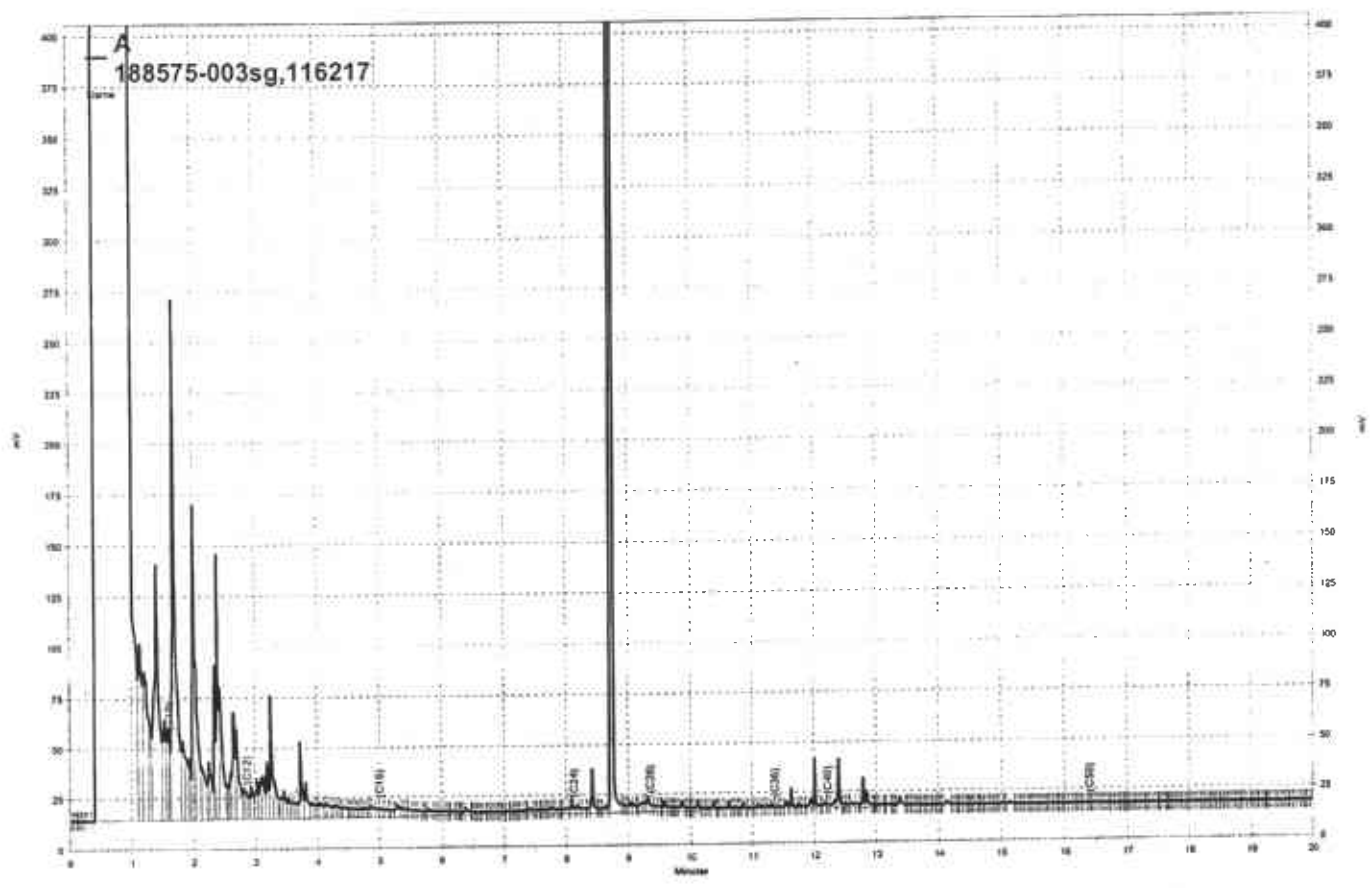
Surrogate	%REC	Limits
Hexacosane	92	65-130

H= Heavier hydrocarbons contributed to the quantitation
 L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit



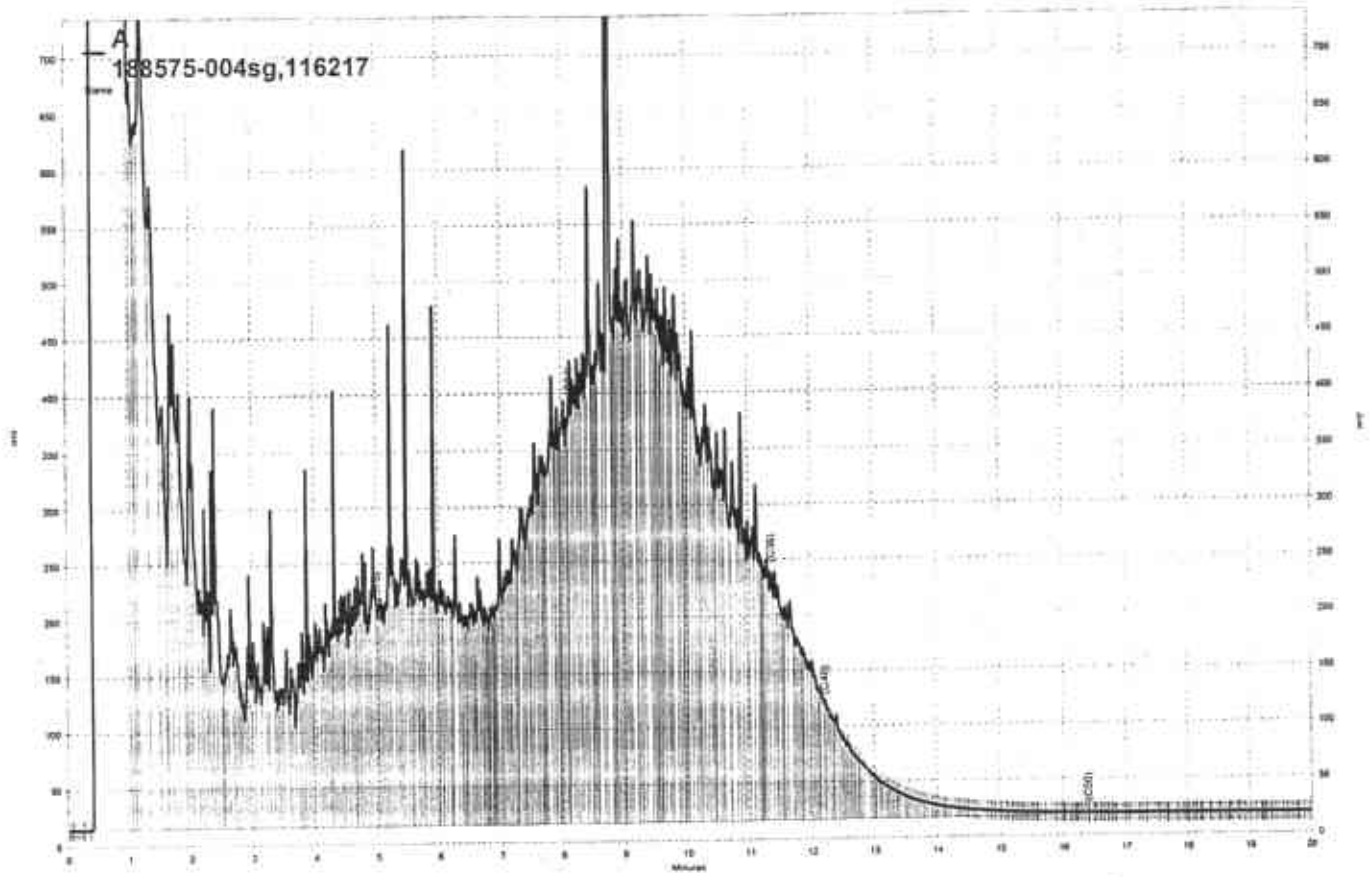
\\Lims\gdrive\ezchrom\Projects\GC17A\Data\220a081_A

MW-1



— \\Lims\gdrive\ezchrom\Projects\GC17A\Data\220a083, A

MW-3



— \\Lims\gdrive\ezchrom\Projects\GC17A\Data\220a084, A

MW-4



Total Extractable Hydrocarbons

Lab #:	188575	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 3520C
Project#:	609.004	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	08/07/06
Units:	ug/L	Received:	08/07/06
Diln Fac:	1.000	Prepared:	08/09/06
Batch#:	116217		

Field ID:	MW-5	Analyzed:	08/11/06
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	188575-005		

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300
Surrogate	%REC	Limits
Hexacosane	98	65-130

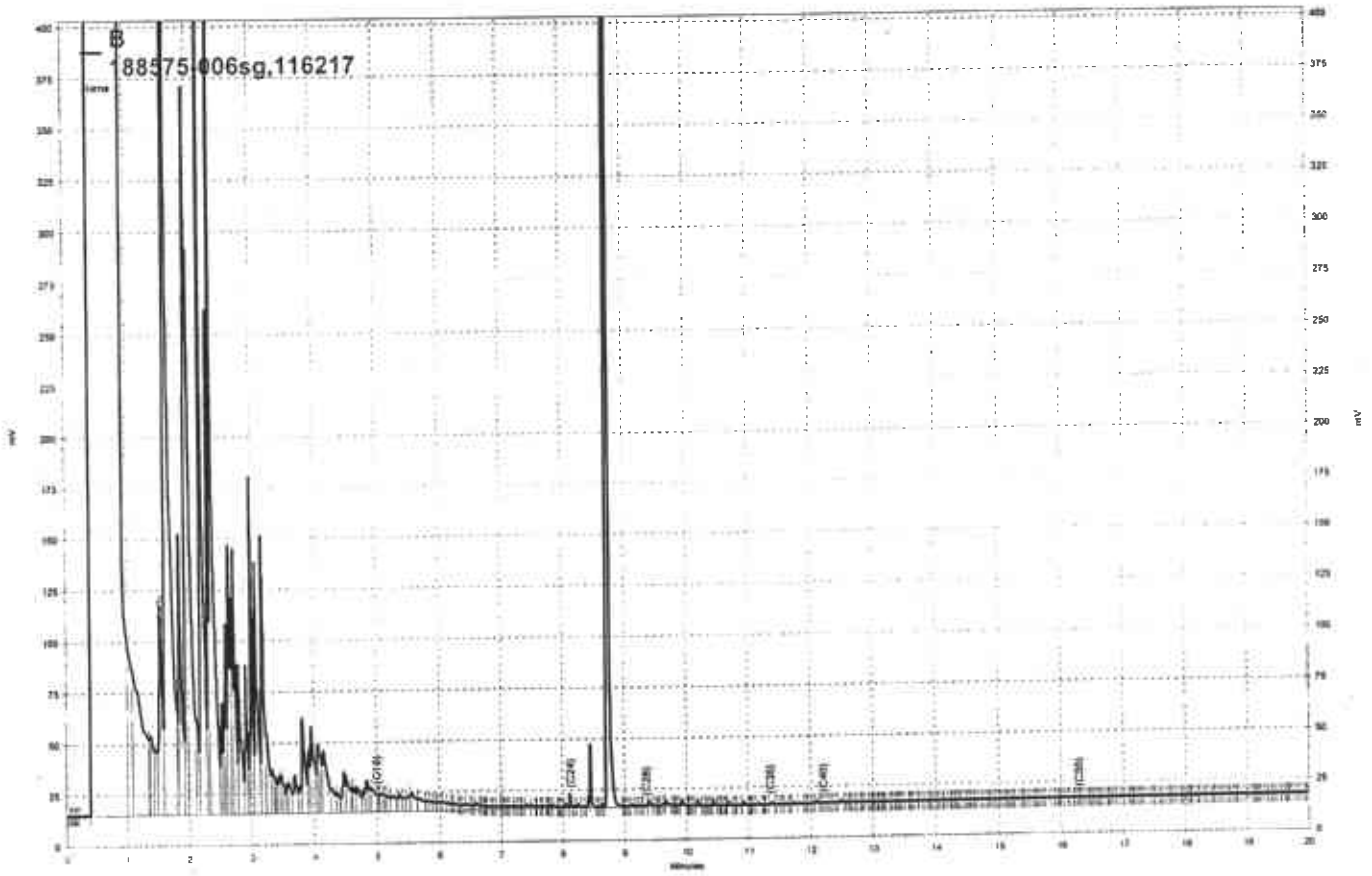
Field ID:	MW-6	Analyzed:	08/11/06
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	188575-006		

Analyte	Result	RL
Diesel C10-C24	940 L Y	50
Motor Oil C24-C36	ND	300
Surrogate	%REC	Limits
Hexacosane	104	65-130

Type:	BLANK	Analyzed:	08/10/06
Lab ID:	QC351106	Cleanup Method:	EPA 3630C

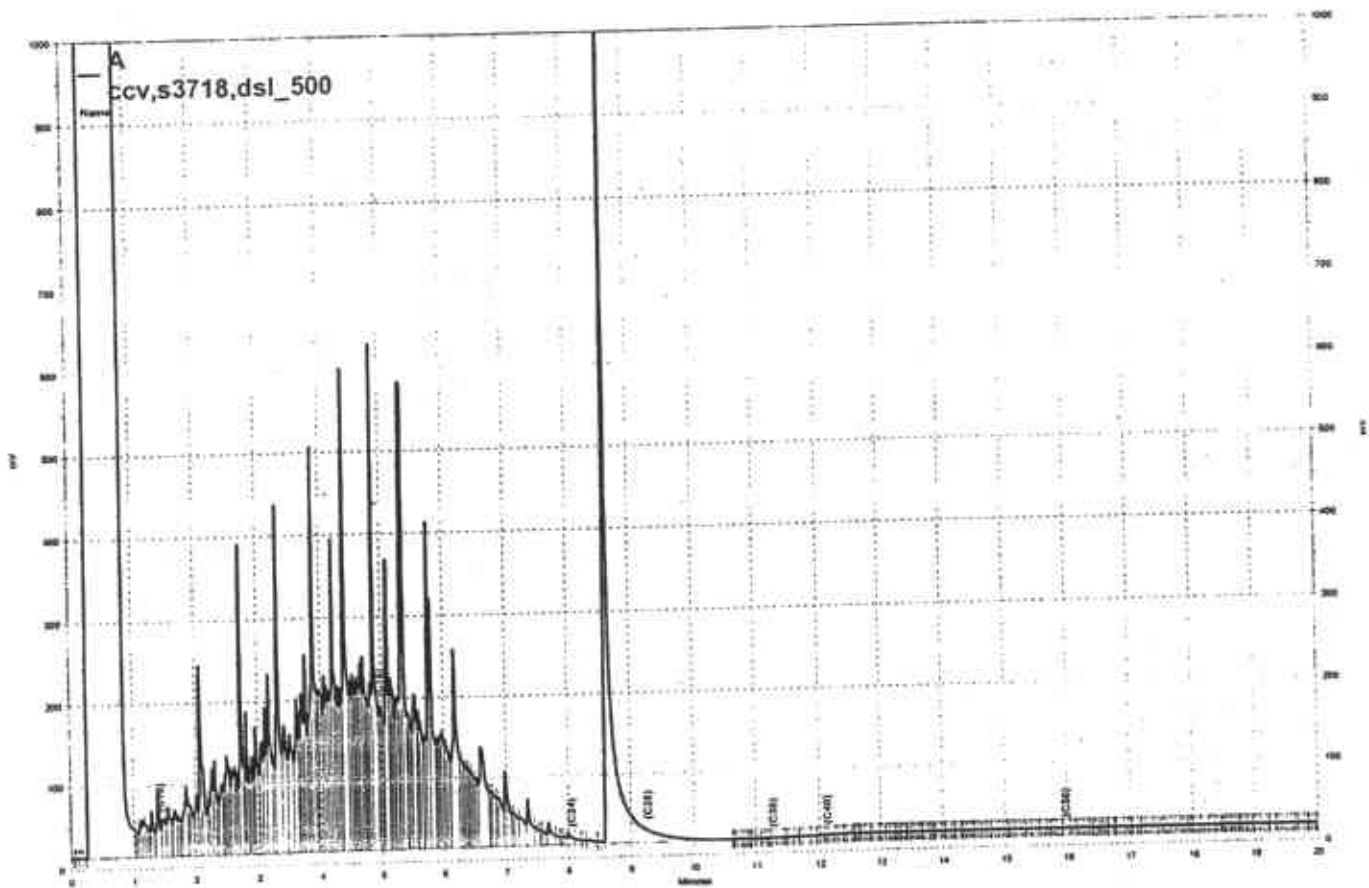
Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300
Surrogate	%REC	Limits
Hexacosane	92	65-130

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit



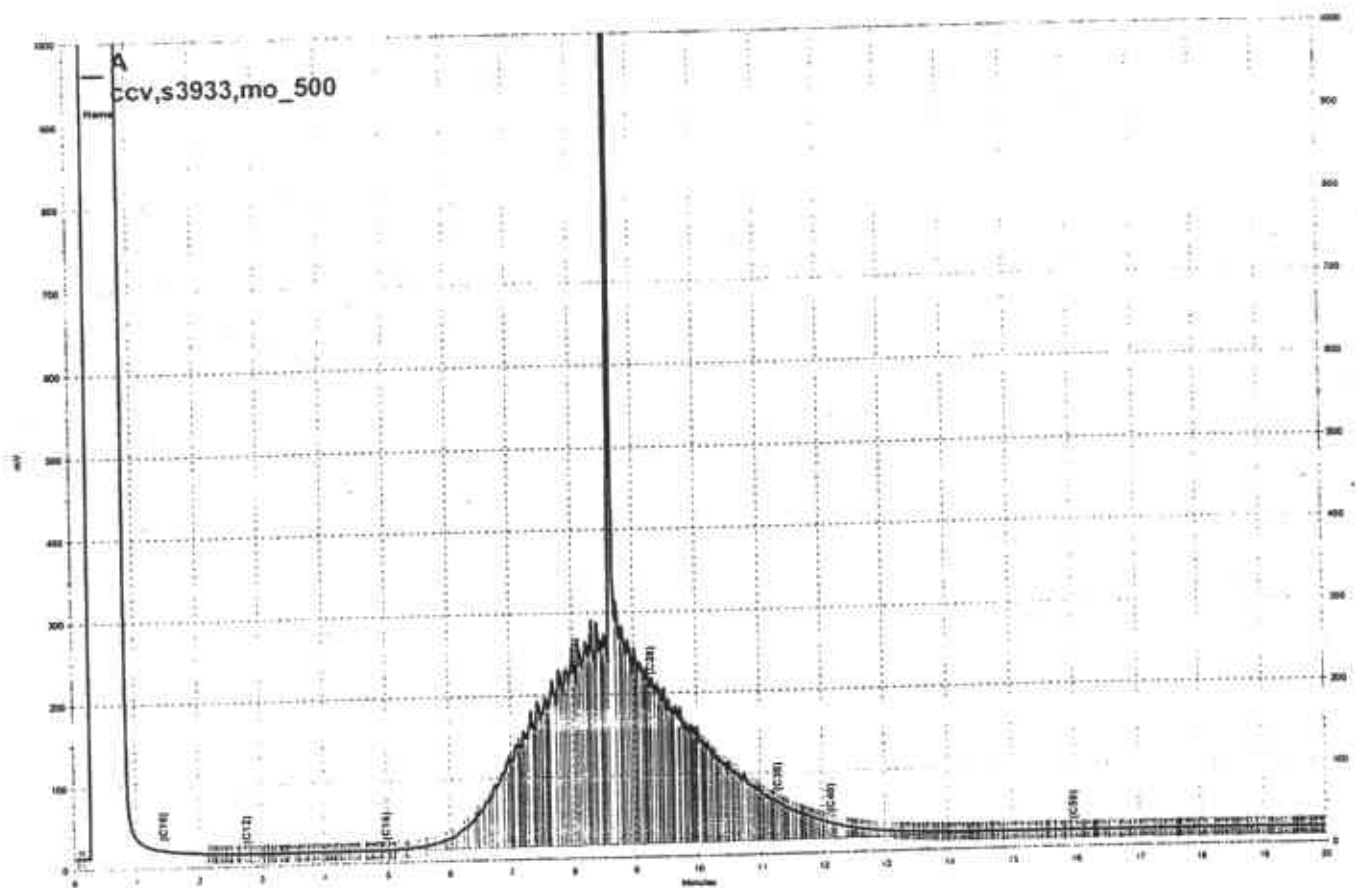
\\Lims\gdrive\ezchrom\Projects\GC15B\Data\222b039, B

MW-6



— \\Lims\gdrive\ezchrom\Projects\GC17A\Data\220a003, A

Diesel



\\Lims\gdrive\ezchrom\Projects\GC17A\Data\220a004, A

Motor Oil

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	188575	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 3520C
Project#:	609.004	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	116217
Units:	ug/L	Prepared:	08/09/06
Diln Fac:	1.000	Analyzed:	08/10/06

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC351107

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,032	81	61-133

Surrogate	%REC	Limits
Hexacosane	88	65-130

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC351108

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,188	88	61-133	7	31

Surrogate	%REC	Limits
Hexacosane	93	65-130

BTXE & Oxygenates

Lab #:	188575	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	116115
Lab ID:	188575-001	Sampled:	08/07/06
Matrix:	Water	Received:	08/07/06
Units:	ug/L	Analyzed:	08/07/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	18	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	102	80-120
1,2-Dichloroethane-d4	95	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected
 RL= Reporting Limit

BTXE & Oxygenates

Lab #:	188575	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	116115
Lab ID:	188575-002	Sampled:	08/07/06
Matrix:	Water	Received:	08/07/06
Units:	ug/L	Analyzed:	08/07/06
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	103	80-120
1,2-Dichloroethane-d4	92	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected
 RL= Reporting Limit



BTXE & Oxygenates

Lab #:	188575	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Field ID:	MW-3	Units:	ug/L
Lab ID:	188575-003	Sampled:	08/07/06
Matrix:	Water	Received:	08/07/06

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
tert-Butyl Alcohol (TBA)	18	10	1.000	116115	08/07/06
MTBE	ND	0.5	1.000	116115	08/07/06
Isopropyl Ether (DIPE)	ND	0.5	1.000	116115	08/07/06
Ethyl tert-Butyl Ether (ETBE)	ND	0.5	1.000	116115	08/07/06
1,2-Dichloroethane	ND	0.5	1.000	116115	08/07/06
Benzene	630	5.0	10.00	116149	08/08/06
Methyl tert-Amyl Ether (TAME)	ND	0.5	1.000	116115	08/07/06
Toluene	9.0	0.5	1.000	116115	08/07/06
1,2-Dibromoethane	ND	0.5	1.000	116115	08/07/06
Ethylbenzene	31	0.5	1.000	116115	08/07/06
m,p-Xylenes	11	0.5	1.000	116115	08/07/06
o-Xylene	1.0	0.5	1.000	116115	08/07/06

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	101	80-120	1.000	116115	08/07/06
1,2-Dichloroethane-d4	85	80-130	1.000	116115	08/07/06
Toluene-d8	102	80-120	1.000	116115	08/07/06
Bromofluorobenzene	105	80-122	1.000	116115	08/07/06

ND= Not Detected
 RL= Reporting Limit

BTXE & Oxygenates

Lab #:	188575	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Field ID:	MW-4	Batch#:	116149
Lab ID:	188575-004	Sampled:	08/07/06
Matrix:	Water	Received:	08/07/06
Units:	ug/L	Analyzed:	08/08/06
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	0.6	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	102	80-120
1,2-Dichloroethane-d4	95	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	106	80-122

ND= Not Detected
 RL= Reporting Limit



BTXE & Oxygenates

Lab #:	188575	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Field ID:	MW-5	Batch#:	116115
Lab ID:	188575-005	Sampled:	08/07/06
Matrix:	Water	Received:	08/07/06
Units:	ug/L	Analyzed:	08/07/06
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	101	80-120
1,2-Dichloroethane-d4	91	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected
RL= Reporting Limit

BTXE & Oxygenates

Lab #:	188575	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Field ID:	MW-6	Batch#:	116113
Lab ID:	188575-006	Sampled:	08/07/06
Matrix:	Water	Received:	08/07/06
Units:	ug/L	Analyzed:	08/07/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	0.5	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	104	80-120
1,2-Dichloroethane-d4	112	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

BTXE & Oxygenates

Lab #:	188575	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:	QC350675	Batch#:	116113
Matrix:	Water	Analyzed:	08/07/06
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	104	80-120
1,2-Dichloroethane-d4	107	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	105	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

BTXE & Oxygenates

Lab #:	188575	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:	QC350681	Batch#:	116115
Matrix:	Water	Analyzed:	08/07/06
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	101	80-120
1,2-Dichloroethane-d4	90	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected

RL= Reporting Limit

Batch QC Report

BTXE & Oxygenates

Lab #:	188575	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:	QC350811	Batch#:	116149
Matrix:	Water	Analyzed:	08/08/06
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	102	80-120
1,2-Dichloroethane-d4	92	80-130
Toluene-d8	103	80-120
Bromofluorobenzene	108	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

BTXE & Oxygenates

Lab #:	188575	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	116113
Units:	ug/L	Analyzed:	08/07/06
Diln Fac:	1.000		

Type: BS Lab ID: QC350676

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	140.1	112	64-141
MTBE	25.00	24.10	96	72-120
Isopropyl Ether (DIPE)	25.00	24.76	99	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	25.16	101	77-129
1,2-Dichloroethane	25.00	25.89	104	77-120
Benzene	25.00	25.96	104	80-120
Methyl tert-Amyl Ether (TAME)	25.00	25.79	103	77-120
Toluene	25.00	25.37	101	80-120
1,2-Dibromoethane	25.00	26.04	104	80-120
Ethylbenzene	25.00	27.59	110	80-120
m,p-Xylenes	50.00	53.33	107	80-121
o-Xylene	25.00	25.74	103	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	109	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	100	80-122

Type: BSD Lab ID: QC350677

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	131.3	105	64-141	6	22
MTBE	25.00	22.99	92	72-120	5	20
Isopropyl Ether (DIPE)	25.00	23.84	95	68-123	4	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.59	94	77-129	6	20
1,2-Dichloroethane	25.00	24.38	98	77-120	6	20
Benzene	25.00	23.71	95	80-120	9	20
Methyl tert-Amyl Ether (TAME)	25.00	24.49	98	77-120	5	20
Toluene	25.00	23.89	96	80-120	6	20
1,2-Dibromoethane	25.00	24.75	99	80-120	5	20
Ethylbenzene	25.00	25.57	102	80-120	8	20
m,p-Xylenes	50.00	48.59	97	80-121	9	20
o-Xylene	25.00	24.08	96	80-120	7	20

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	108	80-130
Toluene-d8	102	80-120
Bromofluorobenzene	100	80-122

RPD= Relative Percent Difference

Batch QC Report

BTXE & Oxygenates

Lab #:	188575	Location:	2250 Telgraph Av. Oakland
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	609.004	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	116149
Units:	ug/L	Analyzed:	08/08/06
Diln Fac:	1.000		

Type: BS Lab ID: QC350809

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	120.6	96	64-141
MTBE	25.00	23.87	95	72-120
Isopropyl Ether (DIPE)	25.00	25.41	102	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	23.21	93	77-129
1,2-Dichloroethane	25.00	23.00	92	77-120
Benzene	25.00	27.72	111	80-120
Methyl tert-Amyl Ether (TAME)	25.00	24.24	97	77-120
Toluene	25.00	27.89	112	80-120
1,2-Dibromoethane	25.00	24.57	98	80-120
Ethylbenzene	25.00	26.29	105	80-120
m,p-Xylenes	50.00	52.15	104	80-121
o-Xylene	25.00	26.11	104	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	91	80-130
Toluene-d8	102	80-120
Bromofluorobenzene	101	80-122

Type: BSD Lab ID: QC350810

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	127.1	102	64-141	5	22
MTBE	25.00	24.22	97	72-120	1	20
Isopropyl Ether (DIPE)	25.00	25.02	100	68-123	2	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.00	92	77-129	1	20
1,2-Dichloroethane	25.00	22.82	91	77-120	1	20
Benzene	25.00	26.28	105	80-120	5	20
Methyl tert-Amyl Ether (TAME)	25.00	23.76	95	77-120	2	20
Toluene	25.00	26.45	106	80-120	5	20
1,2-Dibromoethane	25.00	24.80	99	80-120	1	20
Ethylbenzene	25.00	26.04	104	80-120	1	20
m,p-Xylenes	50.00	50.86	102	80-121	3	20
o-Xylene	25.00	24.96	100	80-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	91	80-130
Toluene-d8	102	80-120
Bromofluorobenzene	102	80-122

RPD= Relative Percent Difference