Kelly C. Esters
Property Specialist
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Chevron Environmental Management Company
6101 Bollinger Canyon Road
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July 18, 2013

Mr. Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Facility No. 21-1283
3810 Broadway, Oakland, California

Dear Mr. Detterman:

Attached for your review is the *First Semiannual 2013 Groundwater Monitoring Report* for the above-referenced site. This report was prepared by ARCADIS, upon whose assistance and advice I have relied. I declare under penalty of perjury that the information and/or recommendations contained in the attached report are true and correct to the best of my knowledge. Should you have any further questions, please do not hesitate to contact me.

Very truly yours,

Kelly C. Esters
Project Manager

KCE:st
Encl.

ARCADIS U.S., Inc.
320 Commerce
Suite 200
Irvine
California 92602
Tel 714.730.9052
Fax 714.730.9345
www.arcadis-us.com

ENVIRONMENT

Mr. Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject:
First Semiannual 2013 Groundwater Monitoring Report
Former Texaco Service Station No. 21-1283
3810 Broadway
Oakland, California
Fuel Leak Case No. RO0000056

Date:
July 18, 2013

Contact:
Toni DeMayo

Phone:
714.508.2657

Email:
Toni.DeMayo@
arcadis-us.com

Our ref:
B0060901.1283

Dear Mr. Detterman:

ARCADIS has prepared this *First Semiannual 2013 Groundwater Monitoring Report* on behalf of Chevron Environmental Management Company (CEMC) to document the results of groundwater monitoring and sampling at former Texaco Service Station 211283, located at 3810 Broadway in Oakland, California (Figure 1).

Groundwater Monitoring and Sampling

Groundwater monitoring and sampling was performed by Blaine Tech Services, Inc. (BTS) of San Jose, California on June 7, 2013. The groundwater monitoring and sampling program consists of water level elevation monitoring, sample collection, and chemical analysis of samples for nine monitoring wells (MW-1, MW-4, MW-5B, MW-6, MW-7, MW-9, MW-10, MW-11 and MW-12). Monitoring well MW-1 was not monitored or sampled during the first semiannual 2013 event. The BTS groundwater monitoring and sample package is presented in Attachment 1. Separate phase hydrocarbons (SPH) were not observed during the first semiannual 2013 monitoring and sampling event, nor have they historically been observed at the site.

Groundwater Flow

Depth-to-water measurements were subtracted from surveyed top of casing elevations to calculate the groundwater elevation at each monitoring well. Depth-to-water measurements and calculated groundwater elevations are presented in Table 1. Calculated groundwater elevation data was used to construct a groundwater elevation contour map of the site, presented as Figure 2.

Laboratory Analysis

Subsequent to collection, samples were packed on ice, cooled to approximately 4 degrees Celsius (°C) and shipped under appropriate chain-of-custody protocols for analysis to Test America Laboratories, Inc. of Irvine, California, a California Department of Public Health certified analytical laboratory. Groundwater samples were screened for the following analytes per the parameters listed:

- Total petroleum hydrocarbons as diesel (TPH-DRO) [C_{13}-C_{23}] by United States Environmental Protection Agency (USEPA) Method 8015B, with and without silica gel clean-up

- Total petroleum hydrocarbons as gasoline (TPH-GRO) [C_4-C_{12}] by USEPA Method 8015B

- Benzene, toluene, ethylbenzene and total xylenes (BTEX) by USEPA Method 8260B

- Methyl tertiary butyl ether (MTBE) by USEPA Method 8260B

A quality assurance/quality control (QA/QC) sample, inclusive of a trip blank, was submitted for laboratory analysis. The trip blank sample was analyzed for TPH-GRO, BTEX and MTBE.

The analytical results of the groundwater samples collected during the first semiannual 2013 sampling event are consistent with the results of recent semiannual groundwater sampling events. The analytical sample concentrations are summarized in Table 1. A concentration map of TPH-DRO, TPH-GRO, benzene, and MTBE is presented as Figure 3. The laboratory analytical report and chain-of-custody record for the quarterly groundwater sampling event are included in Attachment 2. The historical groundwater monitoring and sampling data is presented in Attachment 3.

Summary and Conclusions

- Groundwater flow was generally to the west, outward from MW-12 at a hydraulic gradient of 0.01 foot per foot.

- Concentrations of petroleum hydrocarbon constituents detected in groundwater samples collected from the well network were consistent with the results of recent sampling events.

- On June 9, 2013, the California State Water Resources Control Board issued an order stating that this site has met the general and media-specific criteria established in the Low Threat Closure Policy and that site can be closed accordingly. Therefore, ARCADIS is preparing to abandon the site monitoring wells by the 4 quarter 2014.

Sincerely,

ARCADIS U.S., Inc.

Toni DeMayo
Project Geologist

Melissa Blanchette, P.G.
Principal Geologist

Enclosures:

Figure 1	Site Plan
Figure 2	Groundwater Elevation Contour Map – June 7, 2013
Figure 3	Concentration Map – June 7, 2013
Table 1	Groundwater Monitoring Data and Analytical Results
Attachment 1	Groundwater Monitoring and Sampling Field Data Sheets
Attachment 2	Laboratory Analytical Report and Chain-of-Custody Record
Attachment 3	Historical Monitoring and Sampling Data

Copies:
Ms. Kelly Esters – CEMC (STRATA)
Mr. Joe Zadik

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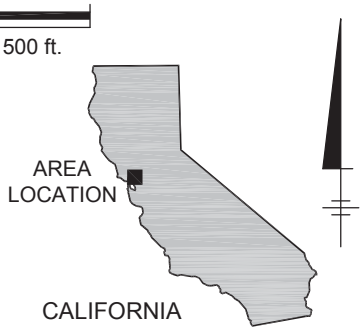
Figures

REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., OAKLAND WEST, CA, 1993.

0 1500' 3000'

Approximate Scale: 1 in. = 1500 ft.



FORMER TEXACO SERVICE STATION NO. 21-1283
3810 BROADWAY, OAKLAND, CA

SITE LOCATION MAP

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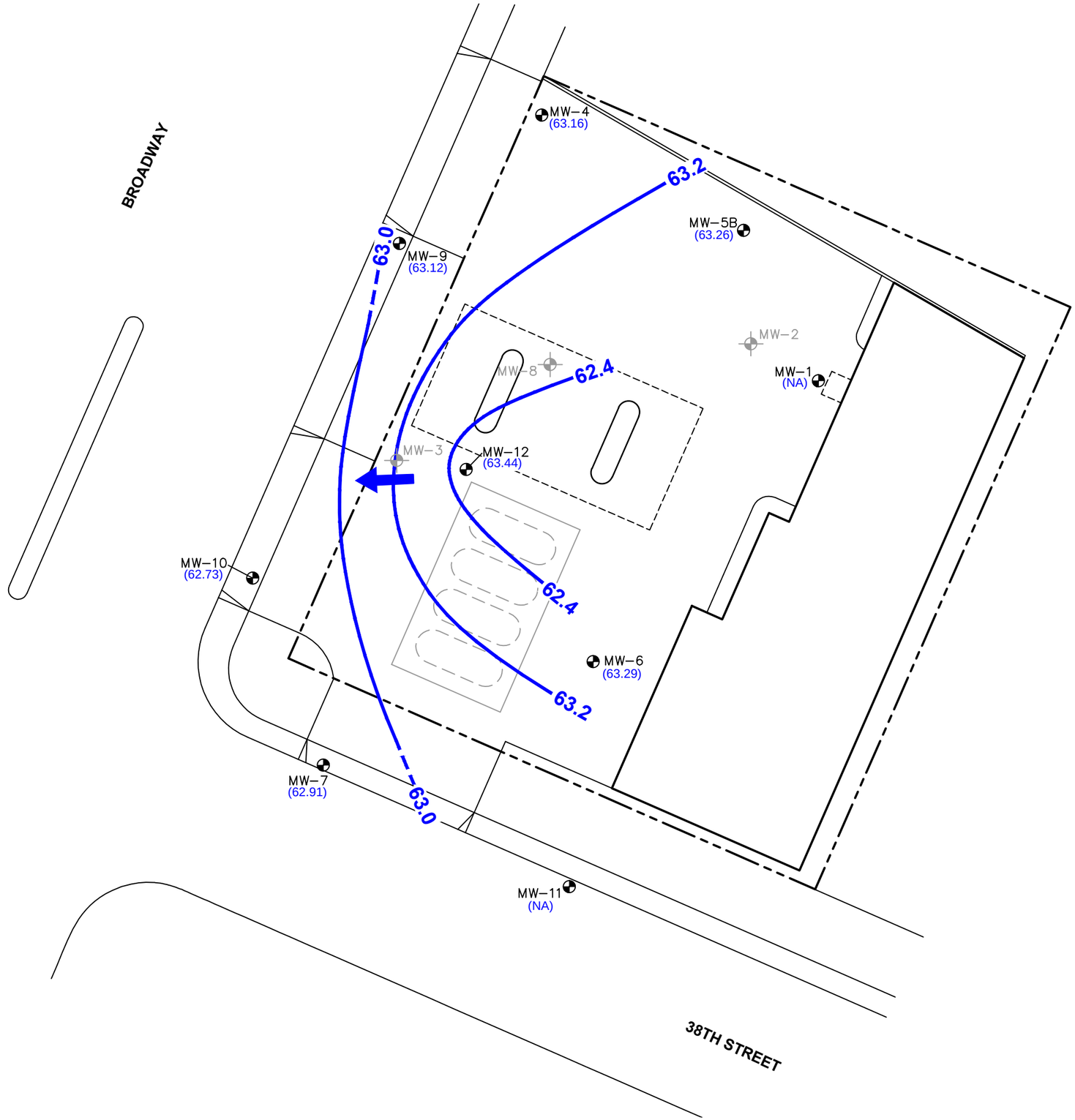
FIGURE 1



LEGEND:

- PROPERTY LINE
- MONITORING WELL LOCATION
- FORMER WELL LOCATION
- UST — UNDERGROUND STORAGE TANK
- (63.29) — GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT AMSL)
- 63.0 — GROUNDWATER ELEVATION CONTOUR, DASHED WHERE INFERRED (FT AMSL)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW. HYDRAULIC GRADIENT IS APPROXIMATELY 0.01 FEET PER FOOT (FT/FT)
- NA — NOT AVAILABLE

NOTES:

1. BASE MAP DIGITIZED FROM A DRAWING BY CONESTOGA-ROVERS & ASSOCIATES, INC., TITLED "GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP", DATED AUGUST 11, 2011.
2. WELL LOCATION COORDINATES FROM WELL SURVEY COMPLETED JUNE 24, 2002 BY MORROW SURVEYING OF WEST SACRAMENTO, CA. HORIZONTAL COORDINATE SYSTEM IS NORTH AMERICAN DATUM OF 1983, CALIFORNIA STATE PLANE ZONE 3. ELEVATIONS REFERENCED TO OAKLAND BENCHMARK, FEET ABOVE MEAN SEA LEVEL.

0 20' 40'
GRAPHIC SCALE

FORMER TEXACO SERVICE STATION 21-1283
3810 BROADWAY, OAKLAND, CA

GROUNDWATER ELEVATION CONTOUR MAP - JUNE 7, 2013

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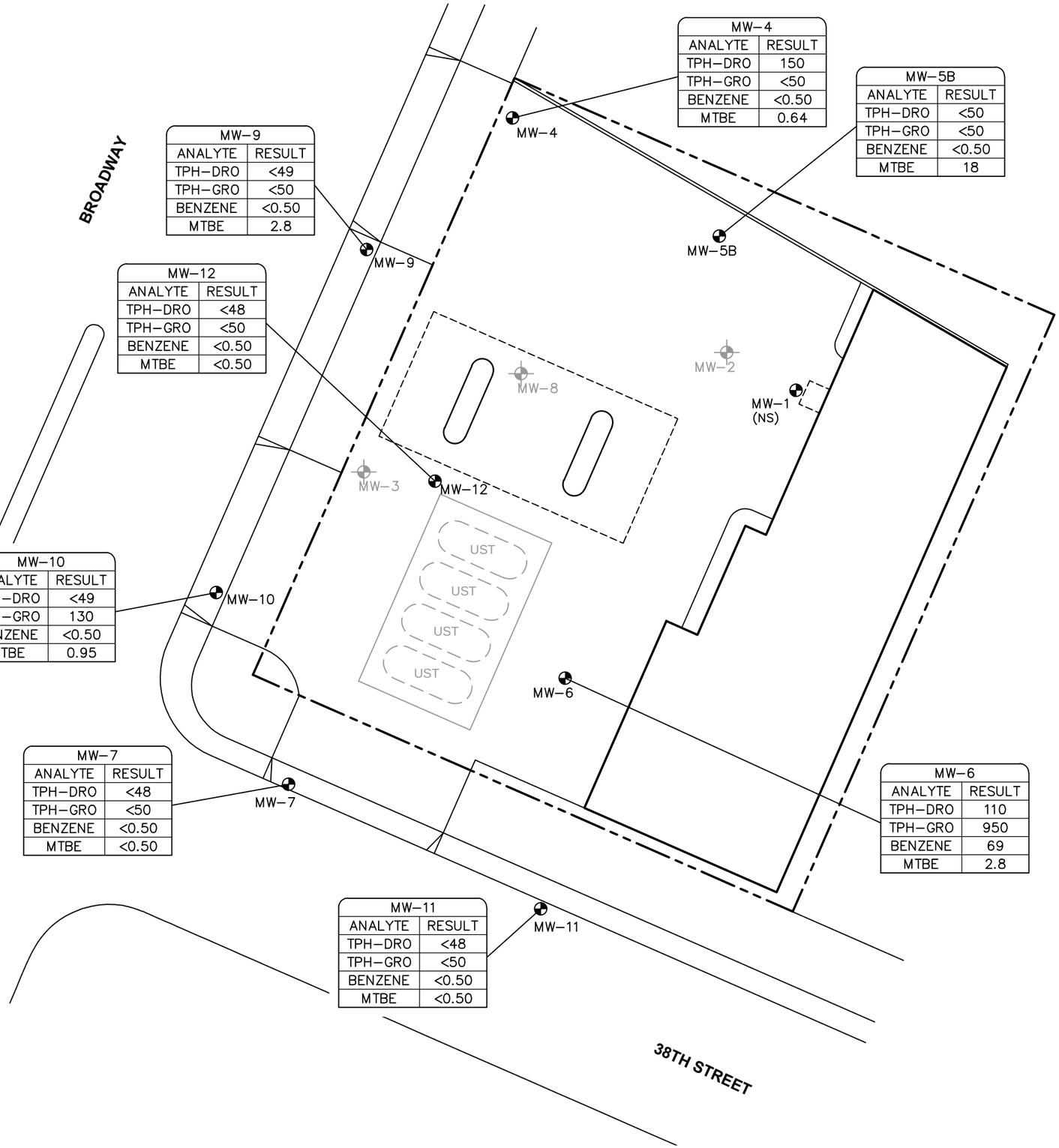
FIGURE 2

CITY: SYRACUSE, NY DIVGROUP: ENV/IM-DV DB: S. KOWALCZYK, P. LISTER, J. HARRIS PM/TM: R. ANDRESEN TR: M. AL-JOHAR LYR: ON=*;OFF=REF
C:\Users\jharris\Desktop\ENVCADRETURN-TO\SYRACUSE, NY\B0060901128\00006\2Q13\DWG\60901W02.dwg LAYOUT: 2 SAVED: 7/1/2013 7:53 AM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 7/1/2013 7:55 AM BY: HARRIS, JESSICA
XREFS: IMAGES: PROJECTNAME: ----
CARL DELETE_Page_1.jpg



LEGEND:

- PROPERTY LINE
- MONITORING WELL LOCATION
- FORMER WELL LOCATION
- UST — UNDERGROUND STORAGE TANK

ABBREVIATIONS:

TPH-DRO	TOTAL PETROLEUM HYDROCARBONS AS DIESEL
TPH-GRO	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
MTBE	METHYL TERTIARY BUTYL ETHER
NS	NOT SAMPLED

NOTES:

1. BASE MAP DIGITIZED FROM A DRAWING BY CONESTOGA-ROVERS & ASSOCIATES, INC., TITLED "GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP", DATED AUGUST 11, 2011.
2. WELL LOCATION COORDINATES FROM WELL SURVEY COMPLETED JUNE 24, 2002 BY MORROW SURVEYING OF WEST SACRAMENTO, CA. HORIZONTAL COORDINATE SYSTEM IS NORTH AMERICAN DATUM OF 1983, CALIFORNIA STATE PLANE ZONE 3. ELEVATIONS REFERENCED TO OAKLAND BENCHMARK, FEET ABOVE MEAN SEA LEVEL.
3. ALL CONCENTRATIONS IN MICROGRAMS PER LITER.
4. TPH-DRO PERFORMED WITH SILICA GEL CLEAN-UP.

0 20' 40'
GRAPHIC SCALE

FORMER TEXACO SERVICE STATION 21-1283
3810 BROADWAY, OAKLAND, CA

**CONCENTRATION MAP-
JUNE 7, 2013**

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FIGURE
3

ARCADIS

Tables

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER TEXACO SERVICE STATION 211283
3810 BROADWAY
OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	TPH-DRO w/ Clean-Up	TPH-DRO w/o Clean-Up	TPH-GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	DIPE	ETBE	TAME	TBA	Ethanol
	Units	(feet amsl)	(feet)	(feet amsl)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-1	12/20/10	86.69	29.58	57.11	INSUFFICIENT WATER TO COLLECT A SAMPLE												
MW-1	06/20/11	86.69	23.91	62.78	<50	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50
MW-1	10/24/11	86.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	06/13/12	86.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/28/12	86.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	**06/07/13**	**86.69**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/20/10	83.31	21.90	61.41	--	170	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50
MW-4	06/20/11	83.31	20.60	62.71	<50	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50
MW-4	10/24/11	83.31	21.97	61.34	<53	61	<50	<0.50	<0.50	<0.50	<1.5	0.67	<0.50	<0.50	<0.50	<10	<150
MW-4	06/13/12	83.31	19.67	63.64	<47	130	100	<0.50	<0.50	<0.50	<1.0	0.65	<0.50	<0.50	<0.50	<10	<150
MW-4	12/28/12	83.31	19.30	64.01	90	210	<50	<0.50	<0.50	<0.50	<1.0	0.55	<0.50	<0.50	<0.50	<10	<150
MW-4	**06/07/13**	**83.31**	**20.15**	**63.16**	**150**	**560**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**0.64**	--	--	--	--	**<150**
MW-5B	12/20/10	85.36	24.00	61.36	--	370	150	3	<0.5	<0.5	<0.5	24	--	--	--	--	<50
MW-5B	06/20/11	85.36	22.80	62.56	73	--	76	<0.5	<0.5	<0.5	<0.5	3	--	--	--	--	<50
MW-5B	10/24/11	85.36	24.24	61.12	<51	<51	63	<0.50	<0.50	<0.50	<1.5	19	<0.50	<0.50	<0.50	<10	<150
MW-5B	06/13/12	85.36	21.86	63.50	86	120	70	<0.50	<0.50	<0.50	<1.0	16	<0.50	<0.50	<0.50	<10	<150
MW-5B	12/28/12	85.36	20.52	64.84	61	72	<50	<0.50	<0.50	<0.50	<1.0	14	<0.50	<0.50	<0.50	<10	<150
MW-5B	**06/07/13**	**85.36**	**22.10**	**63.26**	**<50**	**82**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**18**	--	--	--	--	**<150**
MW-6	12/20/10	86.09	24.70	61.39	--	1,000	1,900	150	3	2	4	3	--	--	--	--	<50
MW-6	06/20/11	86.09	23.49	62.60	960	--	2,500	290	12	77	120	3	--	--	--	--	<50
MW-6	10/24/11	86.09	24.91	61.18	<53	120	1,600	63	2.7	1.9	6.0	1.7	<0.50	<0.50	<0.50	30	<150
MW-6	06/13/12	86.09	22.38	63.71	160	280	1,200	130	9.5	75	36	3.1	<0.50	<0.50	<0.50	65	<150
MW-6	12/28/12	86.09	21.39	64.70	100	230	2,100	460	6.5	13	9.9	<2.5	<2.5	<2.5	<2.5	58	<750
MW-6	**06/07/13**	**86.09**	**22.80**	**63.29**	**110**	**300**	**950**	**69**	**1.4**	**2.1**	**2.9**	**2.8**	--	--	--	--	**<150**

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER TEXACO SERVICE STATION 211283
3810 BROADWAY
OAKLAND, CALIFORNIA

Location	Date	*TOC*	*DTW*	*GWE*	*TPH-DRO w/ Clean-Up*	*TPH-DRO w/o Clean-Up*	*TPH-GRO*	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*	*MTBE*	*DIPE*	*ETBE*	*TAME*	*TBA*	*Ethanol*
	Units	*(feet amsl)*	*(feet)*	*(feet amsl)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*
MW-7	12/20/10	84.11	28.36	55.75	--	52	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50
MW-7	06/20/11	84.11	21.50	62.61	<50	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50
MW-7	10/24/11	84.11	23.05	61.06	<53	<53	<50	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	<0.50	<10	<150
MW-7	06/13/12	84.11	20.65	63.46	<50	<48	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<10	<150
MW-7	12/28/12	84.11	19.18	64.93	<48	<48	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<10	<150
MW-7	**06/07/13**	**84.11**	**21.20**	**62.91**	**<48**	**<48**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	--	--	--	--	**<150**
MW-9	12/20/10	82.17	20.79	61.38	--	58	<50	<0.5	<0.5	<0.5	<0.5	1	--	--	--	--	<50
MW-9	06/20/11	82.17	19.53	62.64	<50	--	<50	<0.5	<0.5	<0.5	<0.5	42	--	--	--	--	<50
MW-9	10/24/11	82.17	21.04	61.13	<53	<53	<50	<0.50	<0.50	<0.50	<1.5	26	<0.50	<0.50	<0.50	<10	<150
MW-9	06/13/12	82.17	18.62	63.55	110	130	51	1.6	<0.50	<0.50	<1.0	67	<0.50	<0.50	2	<10	<150
MW-9	12/28/12	82.17	17.37	64.80	<48	88	<50	<0.50	<0.50	<0.50	<1.0	43	<0.50	<0.50	1.1	16	<150
MW-9	**06/07/13**	**82.17**	**19.05**	**63.12**	**<49**	**170**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**2.8**	--	--	--	--	**<150**
MW-10	12/20/10	81.83	20.45	61.38	--	1,200	300	0.6	<0.5	<0.5	<0.5	3	--	--	--	--	<50
MW-10	06/20/11	81.83	19.27	62.56	160	--	730	16	3	14	46	<0.5	--	--	--	--	<50
MW-10	10/24/11	81.83	20.72	61.11	<52	70	300	1.2	<0.50	<0.50	<1.5	3.2	<0.50	<0.50	<0.50	<10	<150
MW-10	06/13/12	81.83	18.40	63.43	440	440	260	1.0	<0.50	0.73	<1.0	<0.50	<0.50	<0.50	<0.50	<10	<150
MW-10	12/28/12	81.83	19.19	62.64	100	150	340	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<10**	**<150**
MW-10	**06/07/13**	**81.83**	**19.10**	**62.73**	**<49**	**100**	**130**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**0.95**	--	--	--	--	**<150**
MW-11	12/20/10	--	29.05	--	--	150	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50
MW-11	06/20/11	--	27.65	--	<50	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50
MW-11	10/24/11	--	29.27	--	<53	<53	<50	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	<0.50	<10	<150
MW-11	06/13/12	--	26.76	--	<47	<48	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<10**	**<150**
MW-11	12/28/12	--	25.55	--	<48	<48	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<10	<150
MW-11	**06/07/13**	**--**	**27.30**	**--**	**<48**	**<48**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	--	--	--	--	**<150**

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER TEXACO SERVICE STATION 211283
3810 BROADWAY
OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	TPH-DRO w/ Clean-Up	TPH-DRO w/o Clean-Up	TPH-GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	DIPE	ETBE	TAME	TBA	Ethanol
	Units	(feet amsl)	(feet)	(feet amsl)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-12	12/20/10	84.19	22.07	62.12	--	1,100	4,800	500	82	260	800	<0.5	--	--	--	--	<50
MW-12	06/20/11	84.19	20.52	63.67	<50	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50
MW-12	10/24/11	84.19	22.92	61.27	59	290	7,900	650	170	520	2,000	<5.0	<5.0	<5.0	<5.0	<100	<1,500
MW-12	06/13/12	84.19	20.10	64.09	63	140	450	99	2.1	34	23	<0.50	<0.50	<0.50	<0.50	<10	<150
MW-12	12/28/12	84.19	19.60	64.59	120	240	3,900	850	38	34	29	<5.0	<5.0	<5.0	<5.0	<100	<1,500
MW-12	**06/07/13**	**84.19**	**20.75**	**63.44**	**<48**	**110**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**--**	**--**	**--**	**--**	**<150**
QA	12/20/10	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
QA	06/20/11	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
QA	10/24/11	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	<0.50	<10	<150
QA	06/13/12	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<10	<150
QA	12/28/12	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<10	<150
QA	**06/07/13**	**--**	**--**	**--**	**--**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**--**	**--**	**--**	**--**	**--**

Abbreviations and Notes:

TOC = Top of casing

DTW = Depth to Water (measured from top of casing)

GWE = Groundwater elevation

TPH-GRO = Total petroleum hydrocarbons as gasoline [C_6 - C_{12}]

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tert-Butyl Ether

TAME = tert-Amyl Methyl Ether

TBA = tert-Butanol or tertiary butyl alcohol

amsl = above mean sea level

µg/l = micrograms per liter

< = Not detected at or above the stated laboratory reporting limit

-- = Not analyzed

Attachment A

Groundwater Monitoring and Sampling Field Data Sheets

WELL GAUGING DATA

Project # 130607-DW1 Date 6/7/13 Client Arcadis

Site 3810 Broadway, Oakland CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-4	0820	2					20.15	28.60		
MW-5B	0830	2					22.10	30.10		
MW-6	0838	2					22.80	28.00		
MW-7	0814	2					21.20	32.90		
MW-9	0824	2					19.05	33.45		
MW-10	0832	2					19.10	32.55		
MW-11	0810	2					27.30	38.40		
MW-12	0824	2					20.75	29.20	↓	

CHEVRON WELL MONITORING DATA SHEET

Project #: 130607-Rw1	Station #: 21-1283
Sampler: DW	Date: 6/7/13
Weather: Sunny	Ambient Air Temperature: 70°
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 28.60	Depth to Water: 20.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.84	

Purge Method:

- Bailer
- (Disposable Bailer)
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

1.4 (Gals.) X 3 = 4.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1014	65.6	6.8	345	71000	1.4	
1016	66.2	6.7	351	71000	2.8	
1018	66.3	6.7	353	71000	4.2	

Did well dewater? Yes (No) Gallons actually evacuated: 4.2

Sampling Date: 6/7/13 Sampling Time: 1025 Depth to Water: 21.20

Sample I.D.: MW-4 Laboratory: Lancaster Other (TA)

Analyzed for: TPH-G BTEX MTBE OXYS Other: SEE COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 130607-MW1	Station #: 21-1283
Sampler: DW	Date: 6/7/13
Weather: Sunny	Ambient Air Temperature: 70
Well I.D.: MW-5B	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 30.10	Depth to Water: 22.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.50	

Purge Method:

Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer

(Disposable Bailer) / Extraction Port / Dedicated Tubing / Other:_____

2.0 (Gals.) X 3 = 6.0 Gals.
1 Case Volume / Specified Volumes / Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1110	65.7	6.4	985	71000	2.0	
1112	65.7	6.4	1054	71000	4.0	
1114	65.8	6.4	1066	71000	6.0	

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Date: 6/7/13 Sampling Time: 1120 Depth to Water:

Sample I.D.: MW-5B Laboratory: Lancaster Other (TA)

Analyzed for: TPH-G BTEX MTBE OXYS Other: SEE COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 130607-DW1	Station #: 21-1283
Sampler: DW	Date: 6/7/13
Weather: Sunny	Ambient Air Temperature: 70
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 28.00	Depth to Water: 22.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 23.88	

Purge Method:

Bailer
(Disposable Bailer)
Positive Air Displacement
Electric Submersible
Waterra
Peristaltic
Extraction Pump
Other_____

Sampling Method: Bailer
(Disposable Bailer)
Extraction Port
Dedicated Tubing
Other: _____

0.8 (Gals.) X 3 = 2.4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1209	67.1	6.8	1200	>1000	0.8	
1209	67.2	6.5	1100	>1000	1.6	
1210	67.4	6.5	1085	>1000	2.4	

Did well dewater? Yes (No) Gallons actually evacuated: 2.4

Sampling Date: 6/7/13 Sampling Time: 1220 Depth to Water: 23.62

Sample I.D.: MW-6 Laboratory: Lancaster Other (TA)

Analyzed for: TPH-G BTEX MTBE OXYS Other: SEE COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 130607-Dw1	Station #: 21-1283
Sampler: DW	Date: 6/7/13
Weather: Sunny	Ambient Air Temperature: 70°
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 32.90	Depth to Water: 21.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 23.54	

Purge Method:

Bailer / (Disposable Bailer) / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Dedicated Tubing / Other: _____

2.0 (Gals.) X 3 = 6.0 Gals.
1 Case Volume / Specified Volumes / Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0941	66.6	7.1	491	71000	2.0	
0943	66.7	6.7	482	71000	4.0	
0945	66.7	6.7	477	71000	6.0	

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Date: 6/7/13 Sampling Time: 0950 Depth to Water: 22.08

Sample I.D.: MW-7 Laboratory: Lancaster Other (TA)

Analyzed for: TPH-G BTEX MTBE OXYS Other: SEE COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 130607-DW1	Station #: 21-1283
Sampler: DW	Date: 6/7/13
Weather: Sunny	Ambient Air Temperature: 70°
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 33.45	Depth to Water: 19.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.93	

Purge Method:

- Bailer
- ~~Disposable Bailer~~
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- ~~Disposable Bailer~~
- Extraction Port
- Dedicated Tubing
- Other: _____

2.3 (Gals.) X	3	= 6.9 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1038	66.1	6.4	861	71000	2.3	
1041	66.4	6.6	813	71000	4.6	
1043	66.5	6.6	805	71000	7.0	

Did well dewater? Yes (No) Gallons actually evacuated: 7.0

Sampling Date: 6/7/13 Sampling Time: 1050 Depth to Water: 21.80

Sample I.D.: MW-9 Laboratory: Lancaster Other (TA)

Analyzed for: TPH-G BTEX MTBE OXYS Other: SEE COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 130607-DW1	Station #: 21-1283
Sampler: DW	Date: 6/7/13
Weather: Sunny	Ambient Air Temperature: 70
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 32.55	Depth to Water: 19.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.79	

Purge Method:

Bailer
~~Disposable Bailer~~
Positive Air Displacement
Electric Submersible
Waterra
Peristaltic
Extraction Pump
Other_____

Sampling Method: Bailer

(Disposable Bailer)
Extraction Port
Dedicated Tubing
Other: _____

2.2 (Gals.) X	3	= 6.6 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1137	65.9	7.2	591	71000	2.2	
1140	66.5	6.8	556	71000	4.4	
1142	66.6	6.8	544	71000	6.6	

Did well dewater? Yes (No) Gallons actually evacuated: 6.6

Sampling Date: 6/7/13 Sampling Time: 1150 Depth to Water: 20.33

Sample I.D.: MW-10 Laboratory: Lancaster Other (TA)

Analyzed for: TPH-G BTEX MTBE OXYS Other: SEE COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 130607-pw1	Station #: 21-1283
Sampler: pw	Date: 6/7/13
Weather: Sunny	Ambient Air Temperature: 65°
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 38.40	Depth to Water: 27.30
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 29.52	

Purge Method:

- Bailer
- (Disposable Bailer)
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

1.8 (Gals.) X	3	= 5.4 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0914	66.3	6.8	623.	71000	1.8	
0916	66.8	6.5	600	71000	3.6	
0918	67.0	6.5	595	71000	5.4	

Did well dewater? Yes (No) Gallons actually evacuated: 5.4

Sampling Date: 6/7/13 Sampling Time: 0925 Depth to Water: 28.59

Sample I.D.: MW-11 Laboratory: Lancaster (Other TA)

Analyzed for: TPH-G BTEX MTBE OXYS Other: SEE COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 130607-Dw1	Station #: 21-1283
Sampler: DW	Date: 6/7/13
Weather: Overcast	Ambient Air Temperature: 60°
Well I.D.: MW-12	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 29.20	Depth to Water: 20.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method:

Bailer / (Disposable Bailer) / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Dedicated Tubing / Other: _____

_____ (Gals.) X 3 = _____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
—	Grab sample due to Access Restrictions —					
	—	per	owners request —			
0850	66.3	6.6	940	185	—	

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 6/7/13 Sampling Time: 0850 Depth to Water: 20.75

Sample I.D.: MW-12 Laboratory: Lancaster (Other TA)

Analyzed for: TPH-G BTEX MTBE OXYS Other: SEE COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

Attachment B

Laboratory Analytical Report and
Chain-of-Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-48812-1
Client Project/Site: Chevron - 21-1283

For:
ARCADIS U.S., Inc.
320 Commerce, Suite 200
Irvine, California 92602

Attn: Toni DeMayo

Authorized for release by:
6/20/2013 4:23:49 PM

Philip Sanelle, Project Manager I
philip.sanelle@testamericainc.com

Table of Contents

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron - 21-1283

TestAmerica Job ID: 440-48812-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-48812-1	MW-4	Water	06/07/13 10:25	06/11/13 09:40
440-48812-2	MW-5B	Water	06/07/13 11:20	06/11/13 09:40
440-48812-3	MW-6	Water	06/07/13 12:20	06/11/13 09:40
440-48812-4	MW-7	Water	06/07/13 09:50	06/11/13 09:40
440-48812-5	MW-9	Water	06/07/13 10:50	06/11/13 09:40
440-48812-6	MW-10	Water	06/07/13 11:50	06/11/13 09:40
440-48812-7	MW-11	Water	06/07/13 09:25	06/11/13 09:40
440-48812-8	MW-12	Water	06/07/13 08:50	06/11/13 09:40
440-48812-9	TB-20130607	Water	06/07/13 08:05	06/11/13 09:40

Client: ARCADIS U.S., Inc.
Project/Site: Chevron - 21-1283

TestAmerica Job ID: 440-48812-1

Job ID: 440-48812-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-48812-1

Comments
No additional comments.

Receipt
The samples were received on 6/11/2013 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8º C.

GC/MS VOA
Method(s) 8260B: Surrogate recovery for the following sample(s) was outside the upper control limit: MW-11 (440-48812-7). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

GC VOA
Method(s) 8015B: Surrogate recovery was outside control limits for the following sample: (CCV 440-112422/31), (CCV 440-112422/44), (CCV 440-112422/56). The BFB surrogate coeluted with the TPH standard. Data not impacted.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 110836. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) 8015B: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 110831. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) 8015B: Surrogate recovery for the following sample(s) was outside control limits: MW-10 (440-48812-6), MW-12 (440-48812-8), MW-5B (440-48812-2), MW-7 (440-48812-4), MW-9 (440-48812-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8015B: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 111097. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Client Sample ID: MW-4

Lab Sample ID: 440-48812-1

Date Collected: 06/07/13 10:25

Matrix: Water

Date Received: 06/11/13 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/14/13 00:19	1
Ethanol	ND		150		ug/L			06/14/13 00:19	1
Ethylbenzene	ND		0.50		ug/L			06/14/13 00:19	1
m,p-Xylene	ND		1.0		ug/L			06/14/13 00:19	1
Methyl-t-Butyl Ether (MTBE)	**0.64**		0.50		ug/L			06/14/13 00:19	1
o-Xylene	ND		0.50		ug/L			06/14/13 00:19	1
Toluene	ND		0.50		ug/L			06/14/13 00:19	1
Xylenes, Total	ND		1.0		ug/L			06/14/13 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*06/14/13 00:19*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*06/14/13 00:19*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/14/13 00:19*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50		ug/L			06/19/13 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*65 - 140*		*06/19/13 03:13*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	**0.56**		0.048		mg/L		06/12/13 09:47	06/12/13 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*67*		*45 - 120*	*06/12/13 09:47*	*06/12/13 19:44*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	**0.15**		0.048		mg/L		06/12/13 09:37	06/12/13 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*52*		*45 - 120*	*06/12/13 09:37*	*06/12/13 22:05*	*1*

Client Sample ID: MW-5B

Lab Sample ID: 440-48812-2

Date Collected: 06/07/13 11:20

Matrix: Water

Date Received: 06/11/13 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/14/13 00:48	1
Ethanol	ND		150		ug/L			06/14/13 00:48	1
Ethylbenzene	ND		0.50		ug/L			06/14/13 00:48	1
m,p-Xylene	ND		1.0		ug/L			06/14/13 00:48	1
Methyl-t-Butyl Ether (MTBE)	**18**		0.50		ug/L			06/14/13 00:48	1
o-Xylene	ND		0.50		ug/L			06/14/13 00:48	1
Toluene	ND		0.50		ug/L			06/14/13 00:48	1
Xylenes, Total	ND		1.0		ug/L			06/14/13 00:48	1

Client Sample ID: MW-5B

Date Collected: 06/07/13 11:20
Date Received: 06/11/13 09:40

Lab Sample ID: 440-48812-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*06/14/13 00:48*	*1*
Dibromofluoromethane (Surr)	*115*		*80 - 120*		*06/14/13 00:48*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/14/13 00:48*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50		ug/L			06/19/13 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*65 - 140*		*06/19/13 03:39*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	**0.082**		0.047		mg/L		06/12/13 09:47	06/12/13 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*70*		*45 - 120*	*06/12/13 09:47*	*06/12/13 20:04*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	ND		0.050		mg/L		06/12/13 09:37	06/12/13 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*25*	*X*	*45 - 120*	*06/12/13 09:37*	*06/12/13 22:25*	*1*

Client Sample ID: MW-6

Date Collected: 06/07/13 12:20
Date Received: 06/11/13 09:40

Lab Sample ID: 440-48812-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**69**		0.50		ug/L			06/14/13 01:17	1
Ethanol	ND		150		ug/L			06/14/13 01:17	1
Ethylbenzene	**2.1**		0.50		ug/L			06/14/13 01:17	1
m,p-Xylene	**2.9**		1.0		ug/L			06/14/13 01:17	1
Methyl-t-Butyl Ether (MTBE)	**2.8**		0.50		ug/L			06/14/13 01:17	1
o-Xylene	ND		0.50		ug/L			06/14/13 01:17	1
Toluene	**1.4**		0.50		ug/L			06/14/13 01:17	1
Xylenes, Total	**2.9**		1.0		ug/L			06/14/13 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*06/14/13 01:17*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*06/14/13 01:17*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/14/13 01:17*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**950**		50		ug/L			06/19/13 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*65 - 140*		*06/19/13 04:58*	*1*

Client Sample ID: MW-6

Date Collected: 06/07/13 12:20
Date Received: 06/11/13 09:40

Lab Sample ID: 440-48812-3
Matrix: Water

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	0.30		0.048		mg/L		06/12/13 09:47	06/12/13 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*69*		*45 - 120*	*06/12/13 09:47*	*06/12/13 20:24*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	0.11		0.048		mg/L		06/12/13 09:37	06/12/13 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*53*		*45 - 120*	*06/12/13 09:37*	*06/12/13 22:45*	*1*

Client Sample ID: MW-7

Date Collected: 06/07/13 09:50
Date Received: 06/11/13 09:40

Lab Sample ID: 440-48812-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/14/13 01:45	1
Ethanol	ND		150		ug/L			06/14/13 01:45	1
Ethylbenzene	ND		0.50		ug/L			06/14/13 01:45	1
m,p-Xylene	ND		1.0		ug/L			06/14/13 01:45	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/14/13 01:45	1
o-Xylene	ND		0.50		ug/L			06/14/13 01:45	1
Toluene	ND		0.50		ug/L			06/14/13 01:45	1
Xylenes, Total	ND		1.0		ug/L			06/14/13 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*06/14/13 01:45*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*06/14/13 01:45*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/14/13 01:45*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50		ug/L			06/19/13 05:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*65 - 140*		*06/19/13 05:25*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	ND		0.048		mg/L		06/12/13 09:47	06/12/13 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*72*		*45 - 120*	*06/12/13 09:47*	*06/12/13 20:45*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	ND		0.048		mg/L		06/12/13 09:37	06/12/13 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*30*	*X*	*45 - 120*	*06/12/13 09:37*	*06/12/13 23:06*	*1*

Client: ARCADIS U.S., Inc.
Project/Site: Chevron - 21-1283

TestAmerica Job ID: 440-48812-1

Client Sample ID: MW-9

Lab Sample ID: 440-48812-5

Date Collected: 06/07/13 10:50

Matrix: Water

Date Received: 06/11/13 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/14/13 02:14	1
Ethanol	ND		150		ug/L			06/14/13 02:14	1
Ethylbenzene	ND		0.50		ug/L			06/14/13 02:14	1
m,p-Xylene	ND		1.0		ug/L			06/14/13 02:14	1
Methyl-t-Butyl Ether (MTBE)	**2.8**		0.50		ug/L			06/14/13 02:14	1
o-Xylene	ND		0.50		ug/L			06/14/13 02:14	1
Toluene	ND		0.50		ug/L			06/14/13 02:14	1
Xylenes, Total	ND		1.0		ug/L			06/14/13 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*80 - 120*		*06/14/13 02:14*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*06/14/13 02:14*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/14/13 02:14*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50		ug/L			06/19/13 05:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*65 - 140*		*06/19/13 05:51*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	**0.17**		0.049		mg/L		06/12/13 09:47	06/12/13 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*66*		*45 - 120*	*06/12/13 09:47*	*06/12/13 21:05*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	ND		0.049		mg/L		06/12/13 09:37	06/12/13 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*28*	*X*	*45 - 120*	*06/12/13 09:37*	*06/12/13 23:26*	*1*

Client Sample ID: MW-10

Lab Sample ID: 440-48812-6

Date Collected: 06/07/13 11:50

Matrix: Water

Date Received: 06/11/13 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/14/13 02:43	1
Ethanol	ND		150		ug/L			06/14/13 02:43	1
Ethylbenzene	ND		0.50		ug/L			06/14/13 02:43	1
m,p-Xylene	ND		1.0		ug/L			06/14/13 02:43	1
Methyl-t-Butyl Ether (MTBE)	**0.95**		0.50		ug/L			06/14/13 02:43	1
o-Xylene	ND		0.50		ug/L			06/14/13 02:43	1
Toluene	ND		0.50		ug/L			06/14/13 02:43	1
Xylenes, Total	ND		1.0		ug/L			06/14/13 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*06/14/13 02:43*	*1*

Client Sample ID: MW-10

Date Collected: 06/07/13 11:50
Date Received: 06/11/13 09:40

Lab Sample ID: 440-48812-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*06/14/13 02:43*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/14/13 02:43*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**130**		50		ug/L			06/19/13 06:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*65 - 140*		*06/19/13 06:18*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	**0.10**		0.050		mg/L		06/12/13 09:47	06/12/13 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*68*		*45 - 120*	*06/12/13 09:47*	*06/12/13 21:25*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	ND		0.049		mg/L		06/12/13 09:37	06/12/13 23:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*25*	*X*	*45 - 120*	*06/12/13 09:37*	*06/12/13 23:46*	*1*

Client Sample ID: MW-11

Date Collected: 06/07/13 09:25
Date Received: 06/11/13 09:40

Lab Sample ID: 440-48812-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/14/13 03:11	1
Ethanol	ND		150		ug/L			06/14/13 03:11	1
Ethylbenzene	ND		0.50		ug/L			06/14/13 03:11	1
m,p-Xylene	ND		1.0		ug/L			06/14/13 03:11	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/14/13 03:11	1
o-Xylene	ND		0.50		ug/L			06/14/13 03:11	1
Toluene	ND		0.50		ug/L			06/14/13 03:11	1
Xylenes, Total	ND		1.0		ug/L			06/14/13 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*06/14/13 03:11*	*1*
Dibromofluoromethane (Surr)	*121*	*X*	*80 - 120*		*06/14/13 03:11*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/14/13 03:11*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50		ug/L			06/19/13 06:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*65 - 140*		*06/19/13 06:44*	*1*

Client Sample ID: MW-11

Lab Sample ID: 440-48812-7

Date Collected: 06/07/13 09:25

Matrix: Water

Date Received: 06/11/13 09:40

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	ND		0.048		mg/L		06/13/13 08:54	06/13/13 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*75*		*45 - 120*	*06/13/13 08:54*	*06/13/13 17:49*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	ND		0.048		mg/L		06/12/13 09:37	06/13/13 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*62*		*45 - 120*	*06/12/13 09:37*	*06/13/13 00:06*	*1*

Client Sample ID: MW-12

Lab Sample ID: 440-48812-8

Date Collected: 06/07/13 08:50

Matrix: Water

Date Received: 06/11/13 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/17/13 21:52	1
Ethanol	ND		150		ug/L			06/17/13 21:52	1
Ethylbenzene	ND		0.50		ug/L			06/17/13 21:52	1
m,p-Xylene	ND		1.0		ug/L			06/17/13 21:52	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/17/13 21:52	1
o-Xylene	ND		0.50		ug/L			06/17/13 21:52	1
Toluene	ND		0.50		ug/L			06/17/13 21:52	1
Xylenes, Total	ND		1.0		ug/L			06/17/13 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*06/17/13 21:52*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/17/13 21:52*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*06/17/13 21:52*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50		ug/L			06/19/13 07:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*65 - 140*		*06/19/13 07:11*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	**0.11**		0.047		mg/L		06/13/13 08:54	06/13/13 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*76*		*45 - 120*	*06/13/13 08:54*	*06/13/13 18:09*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	ND		0.048		mg/L		06/12/13 09:37	06/13/13 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*20*	*X*	*45 - 120*	*06/12/13 09:37*	*06/13/13 00:26*	*1*

Client: ARCADIS U.S., Inc.
Project/Site: Chevron - 21-1283

TestAmerica Job ID: 440-48812-1

Client Sample ID: TB-20130607
Date Collected: 06/07/13 08:05
Date Received: 06/11/13 09:40

Lab Sample ID: 440-48812-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/20/13 02:58	1
Ethylbenzene	ND		0.50		ug/L			06/20/13 02:58	1
m,p-Xylene	ND		1.0		ug/L			06/20/13 02:58	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/20/13 02:58	1
o-Xylene	ND		0.50		ug/L			06/20/13 02:58	1
Toluene	ND		0.50		ug/L			06/20/13 02:58	1
Xylenes, Total	ND		1.0		ug/L			06/20/13 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*06/20/13 02:58*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*06/20/13 02:58*	*1*
Toluene-d8 (Surr)	*114*		*80 - 120*		*06/20/13 02:58*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50		ug/L			06/19/13 07:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*65 - 140*		*06/19/13 07:37*	*1*

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron - 21-1283

TestAmerica Job ID: 440-48812-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8015B	Gasoline Range Organics - (GC)	SW846	TAL IRV
8015B	Diesel Range Organics (DRO) (GC) Low Level	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Client Sample ID: MW-4

Lab Sample ID: 440-48812-1

Date Collected: 06/07/13 10:25

Matrix: Water

Date Received: 06/11/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	111267	06/14/13 00:19	MP	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	112422	06/19/13 03:13	IM	TAL IRV
Total/NA	Prep	3510C			1045 mL	1 mL	110836	06/12/13 09:47	LBP	TAL IRV
Total/NA	Analysis	8015B		1			110803	06/12/13 19:44	JR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1050 mL	1 mL	110831	06/12/13 09:37	LBP	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			110803	06/12/13 22:05	JR	TAL IRV

Client Sample ID: MW-5B

Lab Sample ID: 440-48812-2

Date Collected: 06/07/13 11:20

Matrix: Water

Date Received: 06/11/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	111267	06/14/13 00:48	MP	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	112422	06/19/13 03:39	IM	TAL IRV
Total/NA	Prep	3510C			1055 mL	1 mL	110836	06/12/13 09:47	LBP	TAL IRV
Total/NA	Analysis	8015B		1			110803	06/12/13 20:04	JR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			995 mL	1 mL	110831	06/12/13 09:37	LBP	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			110803	06/12/13 22:25	JR	TAL IRV

Client Sample ID: MW-6

Lab Sample ID: 440-48812-3

Date Collected: 06/07/13 12:20

Matrix: Water

Date Received: 06/11/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	111267	06/14/13 01:17	MP	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	112422	06/19/13 04:58	IM	TAL IRV
Total/NA	Prep	3510C			1045 mL	1 mL	110836	06/12/13 09:47	LBP	TAL IRV
Total/NA	Analysis	8015B		1			110803	06/12/13 20:24	JR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1045 mL	1 mL	110831	06/12/13 09:37	LBP	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			110803	06/12/13 22:45	JR	TAL IRV

Client Sample ID: MW-7

Lab Sample ID: 440-48812-4

Date Collected: 06/07/13 09:50

Matrix: Water

Date Received: 06/11/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	111267	06/14/13 01:45	MP	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	112422	06/19/13 05:25	IM	TAL IRV
Total/NA	Prep	3510C			1045 mL	1 mL	110836	06/12/13 09:47	LBP	TAL IRV
Total/NA	Analysis	8015B		1			110803	06/12/13 20:45	JR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1040 mL	1 mL	110831	06/12/13 09:37	LBP	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			110803	06/12/13 23:06	JR	TAL IRV

Client Sample ID: MW-9

Lab Sample ID: 440-48812-5

Date Collected: 06/07/13 10:50

Matrix: Water

Date Received: 06/11/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	111267	06/14/13 02:14	MP	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	112422	06/19/13 05:51	IM	TAL IRV
Total/NA	Prep	3510C			1015 mL	1 mL	110836	06/12/13 09:47	LBP	TAL IRV
Total/NA	Analysis	8015B		1			110803	06/12/13 21:05	JR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1030 mL	1 mL	110831	06/12/13 09:37	LBP	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			110803	06/12/13 23:26	JR	TAL IRV

Client Sample ID: MW-10

Lab Sample ID: 440-48812-6

Date Collected: 06/07/13 11:50

Matrix: Water

Date Received: 06/11/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	111267	06/14/13 02:43	MP	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	112422	06/19/13 06:18	IM	TAL IRV
Total/NA	Prep	3510C			995 mL	1 mL	110836	06/12/13 09:47	LBP	TAL IRV
Total/NA	Analysis	8015B		1			110803	06/12/13 21:25	JR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1030 mL	1 mL	110831	06/12/13 09:37	LBP	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			110803	06/12/13 23:46	JR	TAL IRV

Client Sample ID: MW-11

Lab Sample ID: 440-48812-7

Date Collected: 06/07/13 09:25

Matrix: Water

Date Received: 06/11/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	111267	06/14/13 03:11	MP	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	112422	06/19/13 06:44	IM	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1040 mL	1 mL	110831	06/12/13 09:37	LBP	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			110803	06/13/13 00:06	JR	TAL IRV
Total/NA	Prep	3510C			1040 mL	1 mL	111097	06/13/13 08:54	LBP	TAL IRV
Total/NA	Analysis	8015B		1			111323	06/13/13 17:49	JR	TAL IRV

Client Sample ID: MW-12

Lab Sample ID: 440-48812-8

Date Collected: 06/07/13 08:50

Matrix: Water

Date Received: 06/11/13 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	112026	06/17/13 21:52	NS	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	112422	06/19/13 07:11	IM	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1050 mL	1 mL	110831	06/12/13 09:37	LBP	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			110803	06/13/13 00:26	JR	TAL IRV
Total/NA	Prep	3510C			1055 mL	1 mL	111097	06/13/13 08:54	LBP	TAL IRV
Total/NA	Analysis	8015B		1			111323	06/13/13 18:09	JR	TAL IRV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Chevron - 21-1283

TestAmerica Job ID: 440-48812-1

Client Sample ID: TB-20130607
Date Collected: 06/07/13 08:05
Date Received: 06/11/13 09:40

Lab Sample ID: 440-48812-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	112637	06/20/13 02:58	AA	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	112422	06/19/13 07:37	IM	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-111267/4
Matrix: Water
Analysis Batch: 111267

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/13/13 20:21	1
Ethanol	ND		150		ug/L			06/13/13 20:21	1
Ethylbenzene	ND		0.50		ug/L			06/13/13 20:21	1
m,p-Xylene	ND		1.0		ug/L			06/13/13 20:21	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/13/13 20:21	1
o-Xylene	ND		0.50		ug/L			06/13/13 20:21	1
Toluene	ND		0.50		ug/L			06/13/13 20:21	1
Xylenes, Total	ND		1.0		ug/L			06/13/13 20:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*06/13/13 20:21*	*1*
Dibromofluoromethane (Surr)	*116*		*80 - 120*		*06/13/13 20:21*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/13/13 20:21*	*1*

Lab Sample ID: LCS 440-111267/5
Matrix: Water
Analysis Batch: 111267

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	21.5		ug/L		86	70 - 120
Isopropyl Ether (DIPE)	25.0	28.8		ug/L		115	60 - 135
Ethanol	250	227		ug/L		91	40 - 155
Ethyl-t-butyl ether (ETBE)	25.0	28.2		ug/L		113	65 - 135
Ethylbenzene	25.0	22.9		ug/L		91	75 - 125
m,p-Xylene	50.0	45.9		ug/L		92	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	25.6		ug/L		103	60 - 135
o-Xylene	25.0	23.9		ug/L		96	75 - 125
Tert-amyl-methyl ether (TAME)	25.0	26.3		ug/L		105	60 - 135
tert-Butyl alcohol (TBA)	125	116		ug/L		93	70 - 135
Toluene	25.0	22.7		ug/L		91	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*120*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 440-48928-A-1 MS
Matrix: Water
Analysis Batch: 111267

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	21.5		ug/L		86	65 - 125
Isopropyl Ether (DIPE)	ND		25.0	27.0		ug/L		108	60 - 140
Ethanol	ND		250	254		ug/L		102	40 - 155
Ethyl-t-butyl ether (ETBE)	ND		25.0	27.7		ug/L		111	60 - 135
Ethylbenzene	ND		25.0	22.7		ug/L		91	65 - 130
m,p-Xylene	ND		50.0	45.5		ug/L		91	65 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-48928-A-1 MS
Matrix: Water
Analysis Batch: 111267

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl-t-Butyl Ether (MTBE)	0.88		25.0	26.7		ug/L		103	55 - 145
o-Xylene	ND		25.0	23.6		ug/L		94	65 - 125
Tert-amyl-methyl ether (TAME)	ND		25.0	25.7		ug/L		103	60 - 140
tert-Butyl alcohol (TBA)	ND		125	119		ug/L		95	65 - 140
Toluene	ND		25.0	22.2		ug/L		89	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*110*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 440-48928-A-1 MSD
Matrix: Water
Analysis Batch: 111267

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	21.3		ug/L		85	65 - 125	1	20
Isopropyl Ether (DIPE)	ND		25.0	27.6		ug/L		110	60 - 140	2	25
Ethanol	ND		250	211		ug/L		84	40 - 155	18	30
Ethyl-t-butyl ether (ETBE)	ND		25.0	27.9		ug/L		112	60 - 135	1	25
Ethylbenzene	ND		25.0	22.2		ug/L		89	65 - 130	2	20
m,p-Xylene	ND		50.0	45.3		ug/L		91	65 - 130	0	25
Methyl-t-Butyl Ether (MTBE)	0.88		25.0	27.9		ug/L		108	55 - 145	4	25
o-Xylene	ND		25.0	23.0		ug/L		92	65 - 125	3	20
Tert-amyl-methyl ether (TAME)	ND		25.0	26.8		ug/L		107	60 - 140	5	30
tert-Butyl alcohol (TBA)	ND		125	109		ug/L		87	65 - 140	9	25
Toluene	ND		25.0	22.4		ug/L		90	70 - 125	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*110*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: MB 440-112026/4
Matrix: Water
Analysis Batch: 112026

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/17/13 20:52	1
Ethanol	ND		150		ug/L			06/17/13 20:52	1
Ethylbenzene	ND		0.50		ug/L			06/17/13 20:52	1
m,p-Xylene	ND		1.0		ug/L			06/17/13 20:52	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/17/13 20:52	1
o-Xylene	ND		0.50		ug/L			06/17/13 20:52	1
Toluene	ND		0.50		ug/L			06/17/13 20:52	1
Xylenes, Total	ND		1.0		ug/L			06/17/13 20:52	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-112026/4
Matrix: Water
Analysis Batch: 112026

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		80 - 120		06/17/13 20:52	1
Dibromofluoromethane (Surr)	101		80 - 120		06/17/13 20:52	1
Toluene-d8 (Surr)	112		80 - 120		06/17/13 20:52	1

Lab Sample ID: LCS 440-112026/5
Matrix: Water
Analysis Batch: 112026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	26.4		ug/L		106	70 - 120
Isopropyl Ether (DIPE)	25.0	23.3		ug/L		93	60 - 135
Ethanol	250	244		ug/L		98	40 - 155
Ethyl-t-butyl ether (ETBE)	25.0	25.7		ug/L		103	65 - 135
Ethylbenzene	25.0	26.9		ug/L		108	75 - 125
m,p-Xylene	50.0	55.4		ug/L		111	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	25.9		ug/L		103	60 - 135
o-Xylene	25.0	28.0		ug/L		112	75 - 125
Tert-amyl-methyl ether (TAME)	25.0	28.5		ug/L		114	60 - 135
tert-Butyl alcohol (TBA)	125	123		ug/L		98	70 - 135
Toluene	25.0	27.3		ug/L		109	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	114		80 - 120

Lab Sample ID: 440-48812-8 MS
Matrix: Water
Analysis Batch: 112026

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	25.2		ug/L		101	65 - 125
Isopropyl Ether (DIPE)	ND		25.0	22.7		ug/L		91	60 - 140
Ethanol	ND		250	245		ug/L		98	40 - 155
Ethyl-t-butyl ether (ETBE)	ND		25.0	24.8		ug/L		99	60 - 135
Ethylbenzene	ND		25.0	26.1		ug/L		105	65 - 130
m,p-Xylene	ND		50.0	53.5		ug/L		107	65 - 130
Methyl-t-Butyl Ether (MTBE)	ND		25.0	25.0		ug/L		100	55 - 145
o-Xylene	ND		25.0	26.9		ug/L		108	65 - 125
Tert-amyl-methyl ether (TAME)	ND		25.0	27.0		ug/L		108	60 - 140
tert-Butyl alcohol (TBA)	ND		125	127		ug/L		101	65 - 140
Toluene	ND		25.0	26.5		ug/L		106	70 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	112		80 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-48812-8 MSD
Matrix: Water
Analysis Batch: 112026

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	25.0		ug/L		100	65 - 125	1	20
Isopropyl Ether (DIPE)	ND		25.0	23.1		ug/L		92	60 - 140	1	25
Ethanol	ND		250	264		ug/L		106	40 - 155	8	30
Ethyl-t-butyl ether (ETBE)	ND		25.0	24.8		ug/L		99	60 - 135	0	25
Ethylbenzene	ND		25.0	26.0		ug/L		104	65 - 130	0	20
m,p-Xylene	ND		50.0	52.4		ug/L		105	65 - 130	2	25
Methyl-t-Butyl Ether (MTBE)	ND		25.0	25.3		ug/L		101	55 - 145	1	25
o-Xylene	ND		25.0	26.8		ug/L		107	65 - 125	0	20
Tert-amyl-methyl ether (TAME)	ND		25.0	27.4		ug/L		110	60 - 140	2	30
tert-Butyl alcohol (TBA)	ND		125	126		ug/L		101	65 - 140	1	25
Toluene	ND		25.0	26.3		ug/L		105	70 - 125	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*112*		*80 - 120*

Lab Sample ID: MB 440-112637/3
Matrix: Water
Analysis Batch: 112637

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/19/13 19:39	1
Ethanol	ND		150		ug/L			06/19/13 19:39	1
Ethylbenzene	ND		0.50		ug/L			06/19/13 19:39	1
m,p-Xylene	ND		1.0		ug/L			06/19/13 19:39	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/19/13 19:39	1
o-Xylene	ND		0.50		ug/L			06/19/13 19:39	1
Toluene	ND		0.50		ug/L			06/19/13 19:39	1
Xylenes, Total	ND		1.0		ug/L			06/19/13 19:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*06/19/13 19:39*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*06/19/13 19:39*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*06/19/13 19:39*	*1*

Lab Sample ID: LCS 440-112637/4
Matrix: Water
Analysis Batch: 112637

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	24.5		ug/L		98	70 - 120
Isopropyl Ether (DIPE)	25.0	28.1		ug/L		113	60 - 135
Ethanol	250	258		ug/L		103	40 - 155
Ethyl-t-butyl ether (ETBE)	25.0	27.8		ug/L		111	65 - 135
Ethylbenzene	25.0	25.3		ug/L		101	75 - 125
m,p-Xylene	50.0	51.6		ug/L		103	75 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-112637/4
Matrix: Water
Analysis Batch: 112637

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl-t-Butyl Ether (MTBE)	25.0	28.3		ug/L		113	60 - 135
o-Xylene	25.0	25.6		ug/L		102	75 - 125
Tert-amyl-methyl ether (TAME)	25.0	28.6		ug/L		115	60 - 135
tert-Butyl alcohol (TBA)	125	126		ug/L		101	70 - 135
Toluene	25.0	26.3		ug/L		105	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*80 - 120*
Dibromofluoromethane (Surr)	*111*		*80 - 120*
Toluene-d8 (Surr)	*114*		*80 - 120*

Lab Sample ID: 440-49304-D-17 MS
Matrix: Water
Analysis Batch: 112637

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	24.3		ug/L		97	65 - 125
Isopropyl Ether (DIPE)	ND		25.0	26.8		ug/L		107	60 - 140
Ethanol	ND		250	253		ug/L		101	40 - 155
Ethyl-t-butyl ether (ETBE)	ND		25.0	26.6		ug/L		106	60 - 135
Ethylbenzene	ND		25.0	25.8		ug/L		103	65 - 130
m,p-Xylene	ND		50.0	53.0		ug/L		106	65 - 130
Methyl-t-Butyl Ether (MTBE)	ND		25.0	26.3		ug/L		105	55 - 145
o-Xylene	ND		25.0	25.8		ug/L		103	65 - 125
Tert-amyl-methyl ether (TAME)	ND		25.0	27.2		ug/L		109	60 - 140
tert-Butyl alcohol (TBA)	ND		125	123		ug/L		98	65 - 140
Toluene	ND		25.0	26.0		ug/L		104	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
Toluene-d8 (Surr)	*114*		*80 - 120*

Lab Sample ID: 440-49304-D-17 MSD
Matrix: Water
Analysis Batch: 112637

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	23.9		ug/L		95	65 - 125	2	20
Isopropyl Ether (DIPE)	ND		25.0	26.6		ug/L		106	60 - 140	1	25
Ethanol	ND		250	243		ug/L		97	40 - 155	4	30
Ethyl-t-butyl ether (ETBE)	ND		25.0	26.1		ug/L		104	60 - 135	2	25
Ethylbenzene	ND		25.0	24.9		ug/L		99	65 - 130	4	20
m,p-Xylene	ND		50.0	51.1		ug/L		102	65 - 130	4	25
Methyl-t-Butyl Ether (MTBE)	ND		25.0	26.9		ug/L		108	55 - 145	2	25
o-Xylene	ND		25.0	24.6		ug/L		99	65 - 125	4	20
Tert-amyl-methyl ether (TAME)	ND		25.0	27.1		ug/L		108	60 - 140	0	30
tert-Butyl alcohol (TBA)	ND		125	127		ug/L		102	65 - 140	4	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-49304-D-17 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 112637

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	ND		25.0	25.6		ug/L		102	70 - 125	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*116*		*80 - 120*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 440-112422/33 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 112422

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50		ug/L			06/18/13 23:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*65 - 140*		*06/18/13 23:15*	*1*

Lab Sample ID: LCS 440-112422/32 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 112422

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)			800	849		ug/L		106	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*		*65 - 140*

Lab Sample ID: 440-48770-A-5 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 112422

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	92		800	797		ug/L		88	65 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*65 - 140*

Lab Sample ID: 440-48770-A-5 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 112422

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	92		800	795		ug/L		88	65 - 140	0	20

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 440-48770-A-5 MSD
Matrix: Water
Analysis Batch: 112422

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		65 - 140

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level

Lab Sample ID: MB 440-110836/1-A
Matrix: Water
Analysis Batch: 110803

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	ND		0.050		mg/L		06/12/13 09:47	06/12/13 17:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	88		45 - 120	06/12/13 09:47	06/12/13 17:23	1

Lab Sample ID: LCS 440-110836/2-A
Matrix: Water
Analysis Batch: 110803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110836

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
EFH (C10-C28)			1.00	0.749		mg/L		75	40 - 115		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane	72		45 - 120

Lab Sample ID: LCSD 440-110836/3-A
Matrix: Water
Analysis Batch: 110803

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110836

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
EFH (C10-C28)			1.00	0.819		mg/L		82	40 - 115	9	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane	81		45 - 120

Lab Sample ID: MB 440-111097/1-A
Matrix: Water
Analysis Batch: 110802

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111097

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	ND		0.050		mg/L		06/13/13 08:54	06/13/13 11:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	75		45 - 120	06/13/13 08:54	06/13/13 11:08	1

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level (Continued)

Lab Sample ID: LCS 440-111097/2-A
Matrix: Water
Analysis Batch: 110802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111097

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
EFH (C10-C28)			1.00	0.831		mg/L		83	40 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*75*		*45 - 120*

Lab Sample ID: LCSD 440-111097/3-A
Matrix: Water
Analysis Batch: 110803

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111097

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
EFH (C10-C28)			1.00	0.829		mg/L		83	40 - 115	0	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane	*81*		*45 - 120*

Lab Sample ID: MB 440-110831/1-A
Matrix: Water
Analysis Batch: 110803

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 110831

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	ND		0.050		mg/L		06/12/13 09:37	06/12/13 18:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*65*		*45 - 120*	*06/12/13 09:37*	*06/12/13 18:23*	*1*

Lab Sample ID: LCS 440-110831/2-A
Matrix: Water
Analysis Batch: 110803

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 110831

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
EFH (C10-C28)			1.00	0.485		mg/L		49	40 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*51*		*45 - 120*

Lab Sample ID: LCSD 440-110831/3-A
Matrix: Water
Analysis Batch: 110803

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 110831

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
EFH (C10-C28)			1.00	0.542		mg/L		54	40 - 115	11	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane	*55*		*45 - 120*

GC/MS VOA

Analysis Batch: 111267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-48812-1	MW-4	Total/NA	Water	8260B	
440-48812-2	MW-5B	Total/NA	Water	8260B	
440-48812-3	MW-6	Total/NA	Water	8260B	
440-48812-4	MW-7	Total/NA	Water	8260B	
440-48812-5	MW-9	Total/NA	Water	8260B	
440-48812-6	MW-10	Total/NA	Water	8260B	
440-48812-7	MW-11	Total/NA	Water	8260B	
440-48928-A-1 MS	Matrix Spike	Total/NA	Water	8260B	
440-48928-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 440-111267/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-111267/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 112026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-48812-8	MW-12	Total/NA	Water	8260B	
440-48812-8 MS	MW-12	Total/NA	Water	8260B	
440-48812-8 MSD	MW-12	Total/NA	Water	8260B	
LCS 440-112026/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-112026/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 112637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-48812-9	TB-20130607	Total/NA	Water	8260B	
440-49304-D-17 MS	Matrix Spike	Total/NA	Water	8260B	
440-49304-D-17 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 440-112637/4	Lab Control Sample	Total/NA	Water	8260B	
MB 440-112637/3	Method Blank	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 112422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-48770-A-5 MS	Matrix Spike	Total/NA	Water	8015B	
440-48770-A-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	
440-48812-1	MW-4	Total/NA	Water	8015B	
440-48812-2	MW-5B	Total/NA	Water	8015B	
440-48812-3	MW-6	Total/NA	Water	8015B	
440-48812-4	MW-7	Total/NA	Water	8015B	
440-48812-5	MW-9	Total/NA	Water	8015B	
440-48812-6	MW-10	Total/NA	Water	8015B	
440-48812-7	MW-11	Total/NA	Water	8015B	
440-48812-8	MW-12	Total/NA	Water	8015B	
440-48812-9	TB-20130607	Total/NA	Water	8015B	
LCS 440-112422/32	Lab Control Sample	Total/NA	Water	8015B	
MB 440-112422/33	Method Blank	Total/NA	Water	8015B	

GC Semi VOA

Analysis Batch: 110802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-111097/2-A	Lab Control Sample	Total/NA	Water	8015B	111097
MB 440-111097/1-A	Method Blank	Total/NA	Water	8015B	111097

Analysis Batch: 110803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-48812-1	MW-4	Total/NA	Water	8015B	110836
440-48812-1	MW-4	Silica Gel Cleanup	Water	8015B	110831
440-48812-2	MW-5B	Total/NA	Water	8015B	110836
440-48812-2	MW-5B	Silica Gel Cleanup	Water	8015B	110831
440-48812-3	MW-6	Total/NA	Water	8015B	110836
440-48812-3	MW-6	Silica Gel Cleanup	Water	8015B	110831
440-48812-4	MW-7	Total/NA	Water	8015B	110836
440-48812-4	MW-7	Silica Gel Cleanup	Water	8015B	110831
440-48812-5	MW-9	Total/NA	Water	8015B	110836
440-48812-5	MW-9	Silica Gel Cleanup	Water	8015B	110831
440-48812-6	MW-10	Total/NA	Water	8015B	110836
440-48812-6	MW-10	Silica Gel Cleanup	Water	8015B	110831
440-48812-7	MW-11	Silica Gel Cleanup	Water	8015B	110831
440-48812-8	MW-12	Silica Gel Cleanup	Water	8015B	110831
LCS 440-110831/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	110831
LCS 440-110836/2-A	Lab Control Sample	Total/NA	Water	8015B	110836
LCSD 440-110831/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	110831
LCSD 440-110836/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	110836
LCSD 440-111097/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	111097
MB 440-110831/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	110831
MB 440-110836/1-A	Method Blank	Total/NA	Water	8015B	110836

Prep Batch: 110831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-48812-1	MW-4	Silica Gel Cleanup	Water	3510C SGC	
440-48812-2	MW-5B	Silica Gel Cleanup	Water	3510C SGC	
440-48812-3	MW-6	Silica Gel Cleanup	Water	3510C SGC	
440-48812-4	MW-7	Silica Gel Cleanup	Water	3510C SGC	
440-48812-5	MW-9	Silica Gel Cleanup	Water	3510C SGC	
440-48812-6	MW-10	Silica Gel Cleanup	Water	3510C SGC	
440-48812-7	MW-11	Silica Gel Cleanup	Water	3510C SGC	
440-48812-8	MW-12	Silica Gel Cleanup	Water	3510C SGC	
LCS 440-110831/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 440-110831/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 440-110831/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Prep Batch: 110836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-48812-1	MW-4	Total/NA	Water	3510C	
440-48812-2	MW-5B	Total/NA	Water	3510C	
440-48812-3	MW-6	Total/NA	Water	3510C	
440-48812-4	MW-7	Total/NA	Water	3510C	
440-48812-5	MW-9	Total/NA	Water	3510C	
440-48812-6	MW-10	Total/NA	Water	3510C	
LCS 440-110836/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 440-110836/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 110836 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-110836/1-A	Method Blank	Total/NA	Water	3510C	

Prep Batch: 111097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-48812-7	MW-11	Total/NA	Water	3510C	
440-48812-8	MW-12	Total/NA	Water	3510C	
LCS 440-111097/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 440-111097/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 440-111097/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 111323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-48812-7	MW-11	Total/NA	Water	8015B	111097
440-48812-8	MW-12	Total/NA	Water	8015B	111097

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Chevron - 21-1283

TestAmerica Job ID: 440-48812-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-13
Arizona	State Program	9	AZ0671	10-13-13
California	LA Cty Sanitation Districts	9	10256	01-31-14
California	NELAP	9	1108CA	01-31-14
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-28-14 *
Hawaii	State Program	9	N/A	01-31-14
Nevada	State Program	9	CA015312007A	07-31-13
New Mexico	State Program	6	N/A	01-31-14
Northern Mariana Islands	State Program	9	MP0002	01-31-14
Oregon	NELAP	10	4005	09-12-13
USDA	Federal		P330-09-00080	06-06-14
USEPA UCMR	Federal	1	CA01531	01-31-15

* Expired certification is currently pending renewal and is considered valid.

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Toni DeMayo	Site Contact:	Date: 6/7/13	COC No.
Arcadis - U.S., Inc. - Irvine	Tel/Fax: (916) 985-2079	Lab Contact: Sushmitha Reddy	Carrier:	1 of 1 COCs
320 Commerce, Suite 200	Analysis Turnaround Time			Job No. 130607-DW1
Irvine, CA 92602	Calendar (C) or Work Days (W) _____			SDG No.
714-508-2657 Phone	TAT if different from Below _____			
714-730-9345 FAX	■ 2 weeks			
Project Name: 3810 Broadway Terrace, Oakland, CA	☐ 1 week			
Site: 21-1283	☐ 2 days			
P O Global ID: T0600101108	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	GRO by EPA 8015 MOD	BTEX & MTBE (8260B)	DRO with Silica Gel Clean Up by 8015	DRO without Silica Gel Clean Up by 8015	Ethanol by 8260B	Sample Specific Notes:
MW-4	6/7/13	1025	~~Grab~~ Water	W	9		X	X	X	X	X	
MW-5B		1120					X	X	X	X	X	
MW-6		1220					X	X	X	X	X	
MW-7		0950					X	X	X	X	X	
MW-9		1050					X	X	X	X	X	
MW-10		1150					X	X	X	X	X	
MW-11		0925					X	X	X	X	X	
MW-12		0850			↓		X	X	X	X	X	
TB- 20130607	↓	0805	↓	↓	4		X	X				
												11:10

440-48812 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ~~10~~

1,2	1,2	1	1		1

L L 6-11-13

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
MUST MEET LOWEST DETECTION LIMITS POSSIBLE FOR 8260 COMPOUNDS
USE 10 GRAM SILICA GEL CLEAN UP

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	BTS	6/7/13 1550		BTS	6/7/13 1550
Relinquished by: (Sample Custodian)	Company: BTS	Date/Time: 6/10/13 1240	Received by:	Company: 6-10-13 12:40	Date/Time: T.A
Relinquished by:	Company: T.A.	Date/Time: 6/10/13 16:30	Received by:	Company: TAI	Date/Time: 6/11/13 9:40

3.9/3.6 3.4/3.3 4.4/3.8 3.5/3.2°C

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 440-48812-1

Login Number: 48812

List Source: TestAmerica Irvine

List Number: 1

Creator: Avila, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	No Sampling Name Available
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Attachment C

Historical Monitoring and Sampling Data

Table 1

Groundwater Monitoring Data and Analytical Results

Former Texaco Service Station (Site #211283)

3810 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
MW-1													
06/28/96	86.69	21.77	64.92	--	<50	<100	<0.5	<1.0	<1.0	<2.0	--	--	--
10/10/96	86.69	23.26	63.43	--	<400	520	9.2	53	17	70	22	16[1]	--
11/07/96	86.69	23.27	63.42	--	--	--	--	--	--	--	--	--	--
12/18/97	86.69	19.70	66.99	--	<50	2,200	<3.0	<3.0	<3.0	<3.0	<200	--	--
04/06/98	86.69	16.88	69.81	--	<50	1,600	16.4	0.8	<0.5	<0.5	38.3	--	--
06/18/98	86.69	19.78	66.91	--	280	330	7.8	<0.5	<0.5	<0.5	<0.5	--	--
08/31/98	86.69	21.71	64.98	--	150	<50	1.5	<0.5	<0.5	<0.5	<2.5	--	--
12/21/98	86.69	22.15	64.54	--	130	130	2.3	0.90	<0.5	<0.5	110	13	--
03/24/99	86.69	19.55	67.14	--	305	1,520	11.7	<2.50	<2.50	<2.50	21.6	<25.0	--
06/25/99	86.69	21.60	65.09	--	207	231	5.29	<0.500	<0.500	<0.500	3.94	1.01	--
09/24/99	86.69	22.58	64.11	--	71.7	58.6	6.03	<0.500	<0.500	<0.500	3.70	--	--
12/29/99	86.69	22.81	63.88	--	345	117	4.26	<0.500	<0.500	1.97	26.2	<0.500	--
03/21/00	86.69	19.00	67.69	--	319	834	<0.500	<0.500	<0.500	<0.500	21.5	--	--
07/26/00	86.69	21.50	65.19	--	125	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--
09/06/00	86.69	21.90	64.79	--	192	88.1	15.60	<0.500	<0.500	<0.500	--	--	--
11/29/00	86.92	22.05	64.87	--	331	<50.0	3.52	<0.500	<0.500	<0.500	--	--	--
03/06/01	86.92	19.79	67.13	--	--	--	--	--	--	--	--	--	--
03/23/01	86.92	20.15	66.77	--	--[5]	204	10.7	<0.500	<0.500	<0.500	--	--	--
06/19/01[6]	86.92	21.78	65.14	--	330	<50	<0.50	<0.50	<0.50	<0.50	--	0.87	--
09/05/01[6]	86.92	24.37	62.55	--	400	74	<0.50	0.63	<0.50	2.7	--	<5.0	--
12/20/01[6]	86.92	20.25	66.67	--	530	59	1.7	<0.50	<0.50	<0.50	--	<5.0	--
06/25/02	86.69	21.64	65.05	0.00	490[9]	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
09/18/02	86.69	22.44	64.25	0.00	180	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
12/19/02	86.69	21.49	65.20	0.00	320	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
03/20/03	86.69	20.92	65.77	0.00	UNABLE TO SAMPLE - BEND IN WELL				--	--	--	--	--
06/23/03[10]	86.69	21.34	65.35	0.00	310	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
09/22/03[10]	86.69	22.46	64.23	0.00	150	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/22/03[10]	86.69	22.10	64.59	0.00	350	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
03/22/04[10]	86.69	20.42	66.27	0.00	270	<50	<0.5	<0.5	<0.5	<0.5	--	2	<50
06/21/04[10]	86.69	21.93	64.76	0.00	130	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/20/04[10]	86.69	22.99	63.70	0.00	240	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/20/04[10]	86.69	21.78	64.91	0.00	320[9]	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
03/28/05[10]	86.69	19.28	67.41	0.00	400[9]	<50	<0.5	<0.5	<0.5	<0.5	--	0.6	<50

Table 1
Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211283)
3810 Broadway
Oakland, California

WELL ID/ DATE		TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
MW-1 (cont)														
06/27/05[10]		86.69	20.82	65.87	0.00	200[12]	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/19/05[10]		86.69	22.17	64.52	0.00	62	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/19/05[10]		86.69	22.06	64.63	0.00	360[16]	<50	<0.5	0.8	<0.5	<0.5	--	<0.5	<50
03/27/06[10]		86.69	18.27	68.42	0.00	320	77	<0.5	0.5	2	4	--	0.7	<50
06/26/06[10]		86.69	20.20	66.49	0.00	290	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/25/06[10]		86.69	21.86	64.83	0.00	270	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/18/06		86.69	21.60	65.09	UNABLE TO SAMPLE - DUE TO BENT WELL CASING					--	--	--	--	--
03/19/07[10]	NP[18]	86.69	20.82	65.87	0.00	630	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/25/07[10]	NP[18]	86.69	28.62	58.07	0.00	4,100[19]	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/24/07		86.69	DRY	--	--	--	--	--	--	--	--	--	--	--
12/18/07		86.69	29.35	57.34	UNABLE TO SAMPLE - DUE TO INSUFFICIENT WATER					--	--	--	--	--
03/11/08		86.69	28.41	58.28	UNABLE TO SAMPLE - DUE TO BENT WELL CASING					--	--	--	--	--
06/11/08[10]	NP[18]	86.69	25.87	60.82	0.00	2,200	760	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/22/08[10]	NP[18]	86.69	24.18	62.51	0.00	700	190	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/22/08[10]		86.69	23.30	63.39	0.00	290	65	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
03/23/09[10]	NP[18]	86.69	21.35	65.34	0.00	1,500	<50	<0.5	<0.5	<0.5	<0.5	--	0.9	<50
06/22/09[10]	NP[18]	86.69	22.06	64.63	0.00	87	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/02/09[10]		86.69	25.02	61.67	0.00	530	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/26/10[10]	**NP[18]**	**86.69**	**24.83**	**61.86**	**0.00**	**340**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**<0.5**	**<50**
MW-4														
06/28/96		83.31	18.83	64.48	--	<50	<100	<0.5	<1.0	<1.0	<2.0	--	--	--
10/10/96		83.31	19.84	63.47	--	<50	650	3.9	65	22	120	<5.0	--	--
11/07/96		83.31	19.84	63.47	--	--	--	--	--	--	--	--	--	--
12/18/97		83.31	17.77	65.54	--	2,000	<50	<0.5	<0.5	<0.5	<0.5	<30	--	--
04/06/98		83.31	15.45	67.86	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	--	--
06/18/98		83.31	16.89	66.42	--	53	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
08/31/98		83.31	18.48	64.83	--	60	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/21/98		83.31	18.80	64.51	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
03/24/99		83.31	16.70	66.61	--	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	--	--
06/25/99		83.31	18.16	65.15	--	128	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	--	--
09/24/99		83.31	19.12	64.19	--	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Texaco Service Station (Site #211283)

3810 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
MW-4 (cont)													
12/29/99	83.31	19.08	64.23	--	169	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--	--
03/21/00	83.31	16.10	67.21	--	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--
07/26/00	83.31	OBSTRUCTION IN WELL			--	--	--	--	--	--	--	--	--
09/06/00	83.31	18.52	64.79	--	--[5]	<50.0	<0.500	<0.500	<0.500	<0.500	--	--	--
11/29/00	83.63	18.75	64.88	--	183	<50.0	<0.500	<0.500	<0.500	<0.500	--	--	--
03/06/01	83.63	17.81	65.82	--	50.9	<50.0	<0.500	<0.500	<0.500	<0.500	--	--	--
06/19/01[6]	83.63	18.55	65.08	--	<50	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--
09/05/01[6]	83.63	19.10	64.53	--	710	<50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--
12/20/01[6]	83.63	17.55	66.08	--	460	<50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--
06/25/02	83.31	18.39	64.92	0.00	250	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
09/18/02	83.31	19.16	64.15	0.00	160	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
12/19/02	83.31	18.14	65.17	0.00	56	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
03/20/03	83.31	17.76	65.55	0.00	180	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
06/23/03[10]	83.31	18.13	65.18	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
09/22/03[10]	83.31	19.08	64.23	0.00	110	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/22/03[10]	83.31	18.78	64.53	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
03/22/04[10]	83.31	17.31	66.00	0.00	130	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/21/04[10]	83.31	18.67	64.64	0.00	87	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/20/04[10]	83.31	19.58	63.73	0.00	120	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/20/04[10]	83.31	18.59	64.72	0.00	66[9]	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
03/28/05[10]	83.31	16.82	66.49	0.00	71[9]	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/27/05[10]	83.31	17.61	65.70	0.00	120[12]	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/19/05[10]	83.31	19.00	64.31	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/19/05[10]	83.31	18.69	64.62	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
03/27/06[10]	83.31	15.05	68.26	0.00	160	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/26/06[10]	83.31	16.81	66.50	0.00	110	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/25/06[10]	83.31	18.59	64.72	0.00	120	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/18/06[10]	83.31	18.26	65.05	0.00	250	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
03/19/07[10]	83.31	17.62	65.69	0.00	93	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/25/07[10]	83.31	24.82	58.49	0.00	4,600[19]	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/24/07[10]	83.31	26.76	56.55	0.00	4,300	94	<0.5	<0.5	<0.5	<0.5	--	0.6	<50
12/18/07[10]	83.31	25.91	57.40	0.00	3,700	<50	<0.5	<0.5	<0.5	<0.5	--	0.6	<50
03/11/08[10]	83.31	25.15	58.16	0.00	430	54	<0.5	<0.5	<0.5	<0.5	--	0.6	<50

Table 1

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3810 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
MW-4 (cont)													
06/11/08[10]	83.31	22.53	60.78	0.00	520	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/22/08[10]	83.31	20.99	62.32	0.00	59	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/22/08[10]	83.31	19.93	63.38	0.00	260	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
03/23/09[10]	83.31	18.17	65.14	0.00	74	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/22/09[10]	83.31	18.90	64.41	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/02/09[10]	83.31	21.63	61.68	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/26/10[10]	**83.31**	**21.56**	**61.75**	**0.00**	**56**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**<0.5**	**<50**
MW-5B													
06/25/02[7]	85.36	20.48	64.88	0.00	320	660	89	1.9	39	11	130	--	--
09/18/02	85.36	21.18	64.18	0.00	480	1,100	220	1.2	19	<1.5	35	--	--
12/19/02	85.36	20.36	65.00	0.00	330	<50	<0.50	<0.50	<0.50	<1.5	190	--	--
03/20/03	85.36	INACCESSIBLE - VEHICLE OVER WELL				--	--	--	--	--	--	--	--
06/23/03[10]	85.36	20.18	65.18	0.00	300	<50	<0.5	<0.5	<0.5	<0.5	--	290	--
09/22/03[10]	85.36	21.19	64.17	0.00	200	91	19	<0.5	3	<0.5	--	260	<50
12/22/03[10]	85.36	20.85	64.51	0.00	410	99	18	<0.5	<0.5	<0.5	--	52	<50
03/22/04[10]	85.36	19.26	66.10	0.00	400	<50	<0.5	<0.5	<0.5	<0.5	--	210	<50
06/21/04[10]	85.36	20.70	64.66	0.00	270	<50	<0.5	<0.5	<0.5	<0.5	--	100	<50
09/20/04[10]	85.36	21.69	63.67	0.00	430	<50	<0.5	<0.5	<0.5	<0.5	--	9	<50
12/20/04[10]	85.36	20.56	64.80	0.00	400[9]	<50	<0.5	<0.5	<0.5	<0.5	--	48	<50
03/28/05[10]	85.36	18.12	67.24	0.00	480[9]	<50	<0.5	<0.5	<0.5	<0.5	--	67	<50
06/27/05[10]	85.36	19.61	65.75	0.00	350[13]	<50	<0.5	<0.5	<0.5	<0.5	--	57	<50
09/19/05[10]	85.36	20.88	64.48	0.00	220	<50	<0.5	<0.5	<0.5	<0.5	--	32	<50
12/19/05[10]	85.36	20.74	64.62	0.00	330[16]	<50	<0.5	<0.5	<0.5	<0.5	--	21	<50
03/27/06[10]	85.36	17.10	68.26	0.00	550	<50	<0.5	<0.5	<0.5	<0.5	--	31	<50
06/26/06[10]	85.36	19.05	66.31	0.00	410	<50	<0.5	<0.5	<0.5	<0.5	--	30	<50
09/25/06[10]	85.36	20.61	64.75	0.00	320	<50	<0.5	<0.5	<0.5	<0.5	--	25	<50
12/18/06[10]	85.36	20.35	65.01	0.00	580	<50	<0.5	<0.5	<0.5	<0.5	--	14	<50
03/19/07[10]	85.36	19.62	65.74	0.00	170	<50	<0.5	<0.5	<0.5	<0.5	--	24	<50
06/25/07[10]	85.36	26.94	58.42	0.00	950[19]	250[19]	2	<0.5	0.6	1	--	15	<50
09/24/07[10]	85.36	28.78	56.58	0.00	1,300	1,900	5	0.6	3	5	--	25	<50
12/18/07[10]	85.36	27.98	57.38	0.00	560	2,100	19	<0.5	2	4	--	28	<50

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Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
MW-5B (cont)													
03/11/08[10]	85.36	27.17	58.19	0.00	290	640	16	<0.5	4	0.5	--	38	<50
06/11/08[10]	85.36	24.51	60.85	0.00	280	1,100	20	<0.5	6	1	--	21	<50
09/22/08[10]	85.36	22.85	62.51	0.00	110	280	9	<0.5	<0.5	<0.5	--	22	<50
12/22/08[10]	85.36	22.00	63.36	0.00	220	200	2	<0.5	<0.5	<0.5	--	25	<50
03/23/09[10]	85.36	20.20	65.16	0.00	240	97	<0.5	<0.5	<0.5	<0.5	--	11	<50
06/22/09[10]	85.36	20.92	64.44	0.00	97	220	<0.5	<0.5	<0.5	<0.5	--	7	<50
12/02/09[10]	85.36	23.74	61.62	0.00	130	130	<0.5	<0.5	<0.5	<0.5	--	8	<50
06/26/10[10]	**85.36**	**23.60**	**61.76**	**0.00**	**130**	**160**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**17**	**<50**
MW-6													
10/10/96	86.09	22.44	63.65	--	500	45,000	8,300	2,900	810	3,100	190	40[1]	--
11/07/96	86.09	22.60	63.49	--	--	--	--	--	--	--	--	--	--
12/18/97	86.09	22.28	63.81	--	1,900	60,000	12,000	9,800	1,800	8,600	<2,000	--	--
04/06/98	86.09	19.90	66.19	--	<50	30,500	5,950	3,720	952	3,750	<1,000	--	--
06/18/98	86.09	20.49	65.60	--	1,100	23,000	2,600	540	410	1,300	<250	--	--
08/31/98	86.09	21.05	65.04	--	1,800	17,000	3,400	460	530	1,800	<250	--	--
12/21/98	86.09	21.74	64.35	--	930	7,900	1,900	510	280	730	150	2.6	--
03/24/99	86.09	21.18	64.91	--	763	12,200	1,970	327	338	794	<40.0	<50.0	--
06/25/99	86.09	21.34	64.75	--	1,050	14,800	2,040	1,080	406	1,430	<40.0	--	--
09/24/99	86.09	22.28	63.81	--	1,720	17,200	2,810	1,330	489	2,340	<50.0	--	--
12/29/99	86.09	24.96	61.13	--	1,480	14,700	2,790	974	469	1,720	<500	--	--
03/21/00	86.09	18.70	67.39	--	1,120	20,000	4,160	962	719	2,330	<250	--	--
07/26/00	86.09	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
09/06/00	86.09	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
11/29/00	86.48	21.30	65.18	--	2,060	22,800	4,120	2,010	872	3,180	--	--	--
03/06/01	86.48	19.05	67.43	--	2,220	32,100	3,760	4,590	1,160	5,360	--	--	--
06/19/01[6]	86.48	21.11	65.37	--	<1,500	40,000	2,800	6,000	1,200	5,300	--	<25	--
09/05/01[6]	86.48	21.37	65.11	--	<1,000	18,000	3,800	800	730	1,400	--	<200	--
12/20/01[6]	86.48	19.80	66.68	--	<1,300	29,000	2,600	3,700	1,100	4,100	--	<100	--
06/25/02	86.09	21.13	64.96	0.00	2,500	21,000	2,200	1,800	850	2,100	<100	--	--
09/18/02	86.09	22.00	64.09	0.00	1,300	13,000	1,700	480	610	970	110	--	--
12/19/02	86.09	20.98	65.11	0.00	2,700	20,000	2,900	620	770	2,100	<20	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Texaco Service Station (Site #211283)

3810 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
MW-6 (cont)													
03/20/03	86.09	20.23	65.86	0.00	2,600	23,000	1,500	2,200	920	3,400	<100	--	--
06/23/03[10]	86.09	20.96	65.13	0.00	2,400	21,000	2,000	1,400	890	2,500	--	6	--
09/22/03[10]	86.09	21.95	64.14	0.00	1,800	7,400	920	220	360	580	--	5	<50
12/22/03[10]	86.09	21.63	64.46	0.00	2,300	9,700	1,700	240	450	1,000	--	6	<100[11]
03/22/04[10]	86.09	20.31	65.78	0.00	2,700	23,000	1,500	1,400	830	2,800	--	4	<250
06/21/04[10]	86.09	20.64	65.45	0.00	2,800	20,000	2,000	2,300	1,100	3,800	--	4	<130
09/20/04[10]	86.09	22.29	63.80	0.00	1,300	4,600	480	65	200	260	--	4	<100
12/20/04[10]	86.09	21.33	64.76	0.00	1,500	9,500	1,500	220	450	840	--	5	<250
03/28/05[10]	86.09	19.65	66.44	0.00	2,400[9]	13,000	1,100	550	600	1,600	--	3	<250
06/27/05[10]	86.09	19.86	66.23	0.00	2,100[14]	15,000	1,100	1,300	790	2,600	--	3	<100
09/19/05[10]	86.09	20.49	65.60	0.00	2,300	18,000	1,300	1,200	800	2,500	--	3	<100
12/19/05[10]	86.09	21.49	64.60	0.00	1,900[14]	13,000	1,900	190	620	890	--	5	110
03/27/06[10]	86.09	18.28	67.81	0.00	1,300	14,000	740	420	600	1,400	--	2	<50
06/26/06[10]	86.09	19.08	67.01	0.00	2,300	23,000	660	1,700	870	3,000	--	<3	<250
09/25/06[10]	86.09	20.02	66.07	0.00	2,100	18,000	580	1,200	760	2,600	--	1	<100
12/18/06[10]	86.09	20.57	65.52	0.00	2,700	14,000	1,200	370	680	1,300	--	4	<50
03/19/07[10]	86.09	20.56	65.53	0.00	2,700	17,000	990	560	840	2,100	--	3	<100
06/25/07	86.09	DRY	--	--	--	--	--	--	--	--	--	--	--
09/24/07	86.09	DRY	--	--	--	--	--	--	--	--	--	--	--
12/18/07	86.09	DRY	--	--	--	--	--	--	--	--	--	--	--
03/11/08	86.09	DRY	--	--	--	--	--	--	--	--	--	--	--
06/11/08[10]	86.09	25.35	60.74	0.00	820	1,400	110	<0.5	6	0.8	--	4	<50
09/22/08[10]	86.09	23.51	62.58	0.00	780	1,400	52	<0.5	6	1	--	6	<50
12/22/08[10]	86.09	22.75	63.34	0.00	880	1,100	39	<0.5	1	<0.5	--	6	<50
03/23/09[10]	86.09	20.48	65.61	0.00	2,100	7,900	460	140	470	1,200	--	3	<50
06/22/09[10]	86.09	21.40	64.69	0.00	1,900	7,300	370	210	330	810	--	4	<50
12/02/09[10]	86.09	24.48	61.61	0.00	1,200	3,200	170	10	39	42	--	3	<50
06/26/10[10]	**86.09**	**24.14**	**61.95**	**0.00**	**1,300**	**2,800**	**230**	**14**	**110**	**120**	--	**3**	**<50**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Texaco Service Station (Site #211283)

3810 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
MW-7													
10/10/96	84.11	20.78	63.33	--	<50	<50	0.6	<0.5	<0.5	<0.5	<5.0	--	--
11/07/96	84.11	20.80	63.31	--	--	--	--	--	--	--	--	--	--
12/18/97	84.11	17.27	66.84	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	--	--
04/06/98	84.11	15.91	68.20	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	--	--
06/18/98	84.11	17.95	66.16	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
08/31/98	84.11	19.40	64.71	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/21/98	84.11	19.75	64.36	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
03/24/99	84.11	17.54	66.57	--	51.3	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	--	--
06/25/99	84.11	19.22	64.89	--	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	--	--
09/24/99	84.11	20.18	63.93	--	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--
12/29/99	84.11	20.15	63.96	--	99.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--	--
03/21/00	84.11	16.35	67.76	--	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--
07/26/00	84.11	18.99	65.12	--	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--
09/06/00	84.11	19.49	64.62	--	--[5]	<50.0	<0.500	<0.500	<0.500	<0.500	--	--	--
11/29/00	84.44	19.52	64.92	--	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	--	--	--
03/06/01	84.44	17.15	67.29	--	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	--	--	--
06/19/01[6]	84.44	19.30	65.14	--	<50	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--
09/05/01[6]	84.44	20.22	64.22	--	<50	<50	0.64	0.84	0.94	5.2	--	<5.0	--
12/20/01[6]	84.44	17.85	66.59	--	<50	<50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--
06/25/02	84.11	19.30	64.81	0.00	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
09/18/02	84.11	20.10	64.01	0.00	170	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
12/19/02	84.11	18.73	65.38	0.00	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
03/20/03	84.11	18.86	65.25	0.00	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
06/23/03[10]	84.11	19.00	65.11	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
09/22/03[10]	84.11	20.05	64.06	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/22/03[10]	84.11	19.72	64.39	0.00	72	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
03/22/04[10]	84.11	17.94	66.17	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/21/04[10]	84.11	19.53	64.58	0.00	73	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/20/04[10]	84.11	20.59	63.52	0.00	69	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/20/04[10]	84.11	19.43	64.68	0.00	67[9]	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
03/28/05[10]	84.11	16.68	67.43	0.00	69[9]	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/27/05[10]	84.11	18.43	65.68	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50

Table 1

Groundwater Monitoring Data and Analytical Results

Former Texaco Service Station (Site #211283)

3810 Broadway

Oakland, California

WELL ID/ DATE		TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
MW-7 (cont)														
09/19/05[10]		84.11	19.77	64.34	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/19/05[10]		84.11	19.38	64.73	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
03/27/06[10]		84.11	15.51	68.60	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/26/06[10]		84.11	17.85	66.26	0.00	70	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/25/06[10]		84.11	19.53	64.58	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/18/06[10]		84.11	19.28	64.83	0.00	270	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
03/19/07[10]		84.11	18.32	65.79	0.00	81	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/25/07[10]		84.11	26.92	57.19	0.00	65	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/24/07[10]		84.11	28.32	55.79	0.00	<150	<50	<0.5	<0.5	<0.5	<0.5	--	1	<50
12/18/07[10]		84.11	27.61	56.50	0.00	130	<50	<0.5	<0.5	<0.5	<0.5	--	0.7	<50
03/11/08[10]		84.11	26.63	57.48	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	1	<50
06/11/08[10]		84.11	23.43	60.68	0.00	98	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/22/08[10]		84.11	21.69	62.42	0.00	54	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/22/08[10]		84.11	20.78	63.33	0.00	120	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
03/23/09[10]	NP[22]	84.11	18.45	65.66	0.00	58	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/22/09[10]		84.11	19.70	64.41	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/02/09[10]		84.11	22.40	61.71	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/26/10[16]		**84.11**	**22.44**	**61.67**	**0.00**	**68**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	--	**<0.5**	**<50**
MW-9														
10/10/96		82.17	18.62	63.55	--	520	80	2.5	13	2.2	13	<5.0	--	--
11/07/96		82.17	63.53	18.64	--	--	--	--	--	--	--	--	--	--
12/18/97		82.17	16.42	65.75	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	--	--
04/06/98		82.17	14.00	68.17	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	--	--
06/18/98		82.17	15.33	66.84	--	100	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
08/31/98		82.17	17.14	65.03	--	57	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/21/98		82.17	17.40	64.77	--	71	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
03/24/99		82.17	16.22	65.95	--	84.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	--	--
06/25/99		82.17	16.90	65.27	--	92.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	--	--
09/24/99		82.17	17.89	64.28	--	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--
12/29/99		82.17	18.01	64.16	--	52.8	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--	--
03/21/00		82.17	14.80	67.37	--	72.4	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Texaco Service Station (Site #211283)

3810 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
MW-9 (cont)													
07/26/00	82.17	17.17	65.00	--	83.6	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--
09/06/00	82.17	17.95	64.22	--	74.3	<50.0	<0.500	<0.500	<0.500	<0.500	--	--	--
11/29/00	82.52	18.10	64.42	--	96.2	<50.0	<0.500	<0.500	<0.500	<0.500	--	--	--
03/06/01	82.52	16.75	65.77	--	94.2	<50.0	<0.500	<0.500	<0.500	<0.500	--	--	--
06/19/01[6]	82.52	17.83	64.69	--	<50	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--
09/05/01[6]	82.52	17.98	64.54	--	<50	<50	<0.50	<0.50	<0.50	1.6	--	<5.0	--
12/20/01[6]	82.52	16.85	65.67	--	84	<50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--
06/25/02	82.17	17.12	65.05	0.00	100	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
09/18/02	82.17	17.76	64.41	0.00	170	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
12/19/02	82.17	16.83	65.34	0.00	73	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
03/20/03	82.17	16.61	65.56	0.00	87	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
06/23/03[10]	82.17	17.14	65.03	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	0.7	--
09/22/03[10]	82.17	17.72	64.45	0.00	66	<50	<0.5	<0.5	<0.5	<0.5	--	0.7	<50
12/22/03[10]	82.17	17.44	64.73	0.00	94	<50	<0.5	<0.5	<0.5	<0.5	--	0.7	<50
03/22/04[10]	82.17	16.07	66.10	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	0.7	<50
06/21/04[10]	82.17	17.38	64.79	0.00	80	<50	<0.5	<0.5	<0.5	<0.5	--	1	<50
09/20/04[10]	82.17	18.14	64.03	0.00	120	<50	<0.5	<0.5	<0.5	<0.5	--	1	<50
12/20/04[10]	82.17	17.15	65.02	0.00	74[9]	<50	<0.5	<0.5	<0.5	<0.5	--	2	<50
03/28/05[10]	82.17	15.47	66.70	0.00	84[9]	<50	<0.5	<0.5	<0.5	<0.5	--	3	<50
06/27/05[10]	82.17	16.41	65.76	0.00	140[12]	<50	<0.5	<0.5	<0.5	<0.5	--	3	<50
09/19/05[10]	82.17	17.42	64.75	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	5	<50
12/19/05[10]	82.17	17.93	64.24	0.00	52[17]	<50	<0.5	<0.5	<0.5	<0.5	--	5	<50
03/27/06[10]	82.17	13.75	68.42	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	7	<50
06/26/06[10]	82.17	15.90	66.27	0.00	110	<50	<0.5	<0.5	<0.5	<0.5	--	9	<50
09/25/06[10]	82.17	17.27	64.90	0.00	57	<50	<0.5	<0.5	<0.5	<0.5	--	8	<50
12/18/06[10]	82.17	16.67	65.50	0.00	220	<50	<0.5	<0.5	<0.5	<0.5	--	7	<50
03/19/07[10]	82.17	16.16	66.01	0.00	210	<50	<0.5	<0.5	<0.5	<0.5	--	9	<50
06/25/07[10]	82.17	23.84	58.33	0.00	74	<50	<0.5	<0.5	<0.5	<0.5	--	6	<50
09/24/07[10]	82.17	25.68	56.49	0.00	280	<50	<0.5	<0.5	<0.5	<0.5	--	2	<50
12/18/07	82.17	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
03/11/08[10]	82.17	24.07	58.10	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/11/08[10]	82.17	21.23	60.94	0.00	120	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/22/08[10]	82.17	19.52	62.65	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50

Table 1
Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211283)
3810 Broadway
Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
MW-9 (cont)													
11/06/08[10]	82.17	19.15	63.02	0.00	<50[21]	--	--	--	--	--	--	--	--
12/22/08[10]	82.17	18.58	63.59	0.00	190	<50	<0.5	<0.5	<0.5	<0.5	--	7	<50
03/23/09	82.17	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
06/22/09[10]	82.17	17.60	64.57	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	29	<50
12/02/09[10]	82.17	20.44	61.73	0.00	90	<50	<0.5	<0.5	<0.5	<0.5	--	21	<50
06/26/10[10]	**82.17**	**20.38**	**61.79**	**0.00**	**120**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	--	**13**	**<50**
MW-10													
10/10/96	81.83	18.40	63.43	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--
11/07/96	81.83	18.43	63.40	--	--	--	--	--	--	--	--	--	--
12/18/97	81.83	16.18	65.65	--	<50	350	6.9	0.87	0.88	0.77	<30	--	--
04/06/98	81.83	14.39	67.44	--	<50	2,300	224	168	81.4	253	<30	--	--
06/18/98	81.83	15.11	66.72	--	320	7,200	310	210	83	280	<0.5	--	--
08/31/98	81.83	17.03	64.80	--	120	460	51	8.2	5.1	10	<5.0	--	--
12/21/98	81.83	17.32	64.51	--	79	120	5.5	<1.0	<1.0	<1.0	8.7	<2.0	--
03/24/99	81.83	15.25	66.58	--	923	1,330	85.9	42.9	29.7	95.2	20.4	<25.0	--
06/25/99	81.83	16.82	65.01	--	167	1,130	115	32.6	17.2	36.3	<4.00	--	--
09/24/99	81.83	17.75	64.08	--	76.7	382	20.0	<1.00	2.21	1.37	8.83	--	--
12/29/99	81.83	18.13	63.70	--	107	114	9.03	<0.500	0.531	<0.500	<5.00	--	--
03/21/00	81.83	14.22	67.61	--	194	1,270	86.3	52.3	38.1	102	19.5	--	--
07/26/00	81.83	16.61	65.22	--	192	562	74.8	7.51	24.3	14.8	13.3	<1.00[4]	--
09/06/00	81.83	17.08	64.75	--	205	606	93.4	5.36	16.7	38.9	--	--	--
11/29/00	82.16	16.90	65.26	--	258	583	40.0	1.46	4.69	15.8	--	--	--
03/06/01	82.16	14.80	67.36	--	199	837	34.2	26.4	20.8	27.5	--	--	--
06/19/01[6]	82.16	16.85	65.31	--	<50	400	47	2.6	8.8	17	--	0.60	--
09/05/01[6]	82.16	17.87	64.29	--	<100	230	20	<0.50	1.2	5.3	--	<5.0	--
12/20/01[6]	82.16	15.54	66.62	--	110	300	13	2.5	1.7	4.6	--	<5.0	--
06/25/02	81.83	16.93	64.90	0.00	180	810	180	3.2	17	8.0	<2.5	--	--
09/18/02	81.83	17.68	64.15	0.00	200	260	24	<2.0	2.5	5.0	2.9	--	--
12/19/02	81.83	16.36	65.47	0.00	86	360	25	0.60	<0.50	1.5	<5.0	--	--
03/20/03	81.83	16.32	65.51	0.00	200	620	21	5.3	6.0	13	<10	--	--
06/23/03[10]	81.83	16.57	65.26	0.00	290	1,500	170	23	40	93	--	0.7	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Texaco Service Station (Site #211283)

3810 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
MW-10 (cont)													
09/22/03[10]	81.83	17.60	64.23	0.00	180	480	48	3	7	17	--	0.8	<50
12/22/03[10]	81.83	17.31	64.52	0.00	120	230	7	<0.5	<0.5	1	--	0.9	<50
03/22/04[10]	81.83	15.58	66.25	0.00	230	1,500	72	26	30	82	--	0.7	<50
06/21/04[10]	81.83	17.12	64.71	0.00	220	1,000	120	29	47	73	--	2	<50
09/20/04[10]	81.83	18.12	63.71	0.00	230	470	36	5	6	20	--	2	<50
12/20/04[10]	81.83	17.01	64.82	0.00	170[9]	480	13	2	1	7	--	2	<50
03/28/05[10]	81.83	14.64	67.19	0.00	450[9]	1,900	64	46	55	140	--	1	<50
06/27/05[10]	81.83	15.99	65.84	0.00	400[13]	1,700	140	61	33	180	--	3	<50
09/19/05[10]	81.83	17.35	64.48	0.00	170	1,200	98	35	58	110	--	5	<50
12/19/05[10]	81.83	17.12	64.71	0.00	160[14]	1,000	61	23	20	47	--	5	<50
03/27/06[10]	81.83	13.35	68.48	0.00	180	670	6	4	8	11	--	5	<50
06/26/06[10]	81.83	15.10	66.73	0.00	580	4,700	220	110	150	390	--	0.8	<50
09/25/06[10]	81.83	17.10	64.73	0.00	480	4,400	290	180	200	350	--	4	<50
12/18/06[10]	81.83	16.75	65.08	0.00	2,900	2,500	270	97	97	170	--	1	<50
03/19/07[10]	81.83	15.91	65.92	0.00	650	2,000	150	43	52	88	--	1	<50
06/25/07[10]	81.83	24.41	57.42	0.00	7,600[19]	<50[19]	<0.5	<0.5	<0.5	<0.5	--	4	<50
09/24/07[10]	81.83	25.96	55.87	0.00	8,400	88	<0.5	<0.5	<0.5	<0.5	--	2	<50
12/18/07	81.83	INACCESSIBLE - WELL UNDER WATER			--	--	--	--	--	--	--	--	--
03/11/08[10]	81.83	24.56	57.27	0.00	1,200	190	1	<0.5	<0.5	<0.5	--	2	<50
06/11/08[10]	81.83	20.97	60.86	0.00	2,500	190	2	<0.5	<0.5	<0.5	--	2	<50
09/22/08[10]	81.83	19.27	62.56	0.00	--	500	2	<0.5	<0.5	<0.5	--	0.7	<50
11/06/08[10]	81.83	18.92	62.91	0.00	550[21]	--	--	--	--	--	--	--	--
12/22/08[10]	81.83	18.38	63.45	0.00	750	530	1	<0.5	<0.5	<0.5	--	0.8	<50
03/23/09	81.83	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
06/22/09[10]	81.83	17.45	64.38	0.00	1,100	970	26	14	46	79	--	0.6	<50
12/02/09[10]	81.83	20.12	61.71	0.00	86	170	1	<0.5	<0.5	0.9	--	0.9	<50
06/26/10[10]	**81.83**	**20.14**	**61.69**	**0.00**	**93**	**160**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	--	**2**	**<50**
MW-11													
08/08/00	--	25.61	--	--	--	--	--	--	--	--	--	--	--
08/16/00	--	25.50	--	--	56.80	<50.0	<0.500	<0.500	<0.500	<0.500	--	--	--
09/06/00	--	25.90	--	--	--[5]	<50.0	<0.500	<0.500	<0.500	<0.500	--	--	--

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Groundwater Monitoring Data and Analytical Results

Former Texaco Service Station (Site #211283)

3810 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
MW-11 (cont)													
11/29/00	90.63	25.80	64.83	--	63.8	<50.0	<0.500	<0.500	<0.500	<0.500	--	--	--
03/06/01	90.63	23.32	67.31	--	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	--	--	--
06/19/01[6]	90.63	25.57	65.06	--	<50	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--
09/05/01[6]	90.63	26.42	64.21	--	<50	<50	<0.50	<0.50	<0.50	0.68	--	<5.0	--
12/20/01[6]	90.63	24.27	66.36	--	<50	<50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--
06/25/02	--[8]	25.51	--[8]	0.00	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
09/18/02	--[8]	26.31	--[8]	0.00	80	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
12/19/02	--[8]	25.08	--[8]	0.00	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
03/20/03	--[8]	24.87	--[8]	0.00	<50	<50	<0.50	0.51	<0.50	<1.5	<2.5	--	--
06/23/03[10]	--[8]	25.21	--[8]	0.00	140	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
09/22/03[10]	--[8]	26.26	--[8]	0.00	52	<50	<0.5	<0.5	<0.5	<0.5	--	1	<50
12/22/03[10]	--[8]	25.97	--[8]	0.00	69	<50	<0.5	<0.5	<0.5	<0.5	--	2	<50
03/22/04[10]	--[8]	24.13	--[8]	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/21/04[10]	--[8]	25.74	--[8]	0.00	79	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/20/04[10]	--[8]	26.83	--[8]	0.00	140	<50	<0.5	<0.5	<0.5	<0.5	--	4	<50
12/20/04[10]	--[8]	25.67	--[8]	0.00	54[9]	<50	<0.5	<0.5	<0.5	<0.5	--	3	<50
03/28/05[10]	--[8]	23.03	--[8]	0.00	58[9]	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/27/05[10]	--[8]	24.61	--[8]	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/19/05[10]	--[8]	25.98	--[8]	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	0.6	<50
12/19/05[10]	--[8]	25.93	--[8]	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	2	<50
03/27/06[10]	--[8]	21.81	--[8]	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/26/06[10]	--[8]	24.00	--[8]	0.00	64	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/25/06[10]	--[8]	25.75	--[8]	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/18/06[10]	--[8]	25.55	--[8]	0.00	140	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
03/19/07[10]	--[8]	24.58	--[8]	0.00	63	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/25/07[10]	--[8]	32.81	--[8]	0.00	130	<50	<0.5	<0.5	<0.5	<0.5	--	1	<50
09/24/07[10]	--[8]	34.24	--[8]	0.00	110	<50	<0.5	<0.5	<0.5	<0.5	--	2	<50
12/18/07[10]	--[8]	33.52	--[8]	0.00	90	<50	<0.5	<0.5	<0.5	<0.5	--	2	<50
03/11/08[10]	--[8]	32.55	--[8]	0.00	52	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/11/08[10]	--[8]	29.77	--[8]	0.00	96	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/22/08[10]	--[8]	27.91	--[8]	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
11/06/08[10]	--[8]	27.65	--[8]	0.00	<50[21]	--	--	--	--	--	--	--	--
12/22/08[10]	--[8]	27.03	--[8]	0.00	61	<50	<0.5	<0.5	<0.5	<0.5	--	0.6	<50

Table 1

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3810 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
MW-11 (cont)													
03/23/09[10]	--[8]	25.03	--[8]	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/22/09[10]	--[8]	25.84	--[8]	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/02/09[10]	--[8]	28.54	--[8]	0.00	<50	<50	<0.5	<0.5	<0.5	0.8	--	<0.5	<50
06/26/10[10]	--[8]	**28.58**	--[8]	**0.00**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	--	**<0.5**	**<50**
MW-12													
06/25/02[7]	84.19	18.65	65.54	0.00	410	1,000	340	8.2	16	8.3	11	--	--
09/18/02	84.19	19.67	64.52	0.00	230	130	52	<0.50	<0.50	<1.5	9.8	--	--
12/19/02	84.19	18.67	65.52	0.00	450	<50	11	<0.50	<0.50	<1.5	<2.5	--	--
03/20/03	84.19	17.97	66.22	0.00	300	280	120	1.9	11	<1.5	2.6	--	--
06/23/03[10]	84.19	18.27	65.92	0.00	400	400	130	4	1	0.7	--	14	--
09/22/03[10]	84.19	19.52	64.67	0.00	270	<50	9	<0.5	<0.5	<0.5	--	9	<50
12/22/03[10]	84.19	19.75	64.44	0.00	130	720	130	29	10	46	--	2	<50
03/22/04[10]	84.19	17.06	67.13	0.00	240	<50	3	<0.5	<0.5	1	--	0.5	<50
06/21/04[10]	84.19	18.82	65.37	0.00	350	140	43	<0.5	<0.5	<0.5	--	8	<50
09/20/04[10]	84.19	19.99	64.20	0.00	340	<50	<0.5	<0.5	<0.5	<0.5	--	2	<50
12/20/04[10]	84.19	19.46	64.73	0.00	160[9]	1,300	400	28	31	31	--	1	<50
03/28/05[10]	84.19	16.42	67.77	0.00	440[9]	90	24	<0.5	<0.5	<0.5	--	1	<50
06/27/05[10]	84.19	17.53	66.66	0.00	170[13]	<50	<0.5	<0.5	<0.5	<0.5	--	1	<50
09/19/05[10]	84.19	19.04	65.15	0.00	190	<50	<0.5	<0.5	<0.5	<0.5	--	3	<50
12/19/05[10]	84.19	19.41	64.78	0.00	340[13]	330	94	5	1	3	--	2	<50
03/27/06[10]	84.19	15.45	68.74	0.00	140	130	33	0.7	1	4	--	0.8	<50
06/26/06[10]	84.19	16.70	67.49	0.00	220	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
09/25/06[10]	84.19	18.81	65.38	0.00	200	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
12/18/06[10]	84.19	18.94	65.25	0.00	410	240	68	5	1	1	--	1	<50
03/19/07[10]	84.19	17.83	66.36	0.00	200	55	7	<0.5	<0.5	<0.5	--	2	<50
06/25/07[10]	84.19	25.80	58.39	0.00	1,600[19]	5,500[19]	1,000[19]	190[19]	170[19]	320[19]	--	2	<100
09/24/07[10]	84.19	27.88	56.31	0.00	2,300	<50	0.7	<0.5	<0.5	<0.5	--	1	<50
12/18/07[10]	84.19	27.06	57.13	0.00	550	230	17	<0.5	<0.5	<0.5	--	<0.5	<50
03/11/08[10]	84.19	25.60	58.59	0.00	1,100	7,000	960	330	410	860	--	<1	<100
06/11/08[10]	84.19	23.04	61.15	0.00	1,700	7,100	2,400	170	210	270	--	<1	<130

Table 1
Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211283)
3810 Broadway
Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
MW-12 (cont)													
09/22/08[10]	84.19	21.48	62.71	0.00	--	13,000	1,800	93	480	1,200	--	16	<100
11/06/08[10]	84.19	21.20	62.99	0.00	1,600[21]	--	--	--	--	--	--	--	--
12/22/08[10]	84.19	20.90	63.29	0.00	1,800	7,700	1,400	220	310	560	--	7	<100
03/23/09[10]	84.19	18.02	66.17	0.00	3,400	4,900	620	170	170	320	--	3	<50
06/22/09[10]	84.19	18.83	65.36	0.00	500	1,100	100	19	35	43	--	1	<50
12/02/09[10]	84.19	22.61	61.58	0.00	110	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<50
06/26/10[10]	**84.19**	**21.83**	**62.36**	**0.00**	**1,200**	**7,600**	**580**	**47**	**36**	**1,400**	--	**<1**	**<100**
MW-2													
06/28/96	85.83	22.10	63.73	1.35	--	--	--	--	--	--	--	--	--
10/10/96	85.83	22.36	63.47	--	1,800	99,000	4,100	9,400	2,300	9,900	390	<25[1]	--
11/07/96	85.83	22.39	63.45**	0.01	--	--	--	--	--	--	--	--	--
12/18/97	85.83	20.19	65.64	--	4,700	24,000	600	1,800	750	2,400	<2,000	--	--
04/06/98	85.83	18.00	67.83	--	9.5	20,100	252	448	430	1,410	<200	--	--
06/18/98	85.83	19.63	66.20	--	5,200	20,000	240	370	270	790	<50	--	--
08/31/98	85.83	21.01	64.82	--	19,000	72,000	270	990	630	1,700	<125	--	--
12/21/98	85.83	21.31	64.52	--	13,000	290	8.7	18	9.7	38	10	29	--
03/24/99	85.83	19.18	66.65	--	5,590	80,400	651	1,860	1,120	3,730	<40.0	<100	--
06/25/99	85.83	20.78	65.05	--	12,100	34,700	504	1,300	716	2,160	<40.0	--	--
09/24/99	85.83	21.82	64.01	--	108	6,510	1,030	350	183	680	<50.0	--	--
12/29/99	85.83	22.17	63.90**	0.30	--	--	--	--	--	--	--	--	--
01/07/00	85.83	22.84	63.30**	0.39	--	--	--	--	--	--	--	--	--
03/21/00	--[3]	18.19	--	--	41,100	54,100	1,260	3,320	2,180	8,200	<1,250	--	--
DESTROYED													
MW-3													
06/28/96	83.18	19.04	64.14	--	--	--	--	--	--	--	--	--	--
10/10/96	83.18	19.51	63.67	--	1,200	110,000	6,600	16,000	2,200	12,000	<250	--	--
11/07/96	83.18	19.40	63.78	--	--	--	--	--	--	--	--	--	--
12/18/97	83.18	18.79	64.39	--	6,100,000	180,000	1,500	16,000	4,600	23,000	<3,000	--	--
04/06/98	83.18	16.58	66.64	0.05	--	--	--	--	--	--	--	--	--
06/18/98	83.18	--	--	>2.0[2]	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Texaco Service Station (Site #211283)

3810 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
MW-3 (cont)													
08/31/98	83.18	19.56	63.68	0.07	--	--	--	--	--	--	--	--	--
12/21/98	83.18	20.23	65.13	2.73	--	--	--	--	--	--	--	--	--
03/24/99	83.18	16.76	67.11	0.86	--	--	--	--	--	--	--	--	--
06/25/99	83.18	18.47	64.95	0.30	--	--	--	--	--	--	--	--	--
09/24/99	83.18	19.43	63.81	0.08	--	--	--	--	--	--	--	--	--
12/29/99	83.18	19.25	63.96	0.04	--	--	--	--	--	--	--	--	--
01/07/00	83.18	19.87	63.37	0.07	--	--	--	--	--	--	--	--	--
DESTROYED													
MW-5													
10/10/96	85.41	21.93	63.48	--	<50	1,800	34	4.7	11	44	21	5.0[1]	--
11/07/96	85.41	21.96	63.45	--	--	--	--	--	--	--	--	--	--
12/18/97	85.41	19.81	65.60	--	<50	1,200	15	<1.0	15	<1.0	72	--	--
04/06/98	85.41	17.43	67.98	--	<50	1,000	126	0.5	0.8	1.5	<30	--	--
06/18/98	85.41	19.15	66.26	--	100	110	6.9	<0.5	<0.5	<0.5	<0.5	--	--
08/31/98	85.41	20.46	64.95	--	120	480	5.3	<2.5	<2.5	<2.5	<12	--	--
12/21/98	85.41	20.91	64.50	--	100	270	16	2.9	1.3	<1.0	34	<2.0	--
03/24/99	85.41	18.74	66.67	--	93.3	143	2.80	<0.500	0.749	<0.500	<2.00	<5.00	--
06/25/99	85.41	20.31	65.10	--	125	847	6.61	<0.500	0.611	<0.500	2.69	<2.00	--
09/24/99	85.41	21.36	64.05	--	94.0	563	6.00	<2.50	<2.50	<2.50	25.1	--	--
12/29/99	85.41	21.41	64.00	--	173	896	16.6	1.48	8.92	2.67	61.1	<0.500	--
03/21/00	85.41	18.13	67.28	--	158	858	53.7	<1.00	21.4	8.00	11.6	--	--
07/26/00	85.41	OBSTRUCTION IN WELL			--	--	--	--	--	--	--	--	--
09/06/00	85.41	20.33	65.08	--	231	670	153	<2.50	7.87	<2.50	--	--	--
11/29/00	85.13	OBSTRUCTION IN WELL			--	--	--	--	--	--	--	--	--
03/06/01	85.13	OBSTRUCTION IN WELL			--	--	--	--	--	--	--	--	--
06/19/01	85.13	OBSTRUCTION IN WELL			--	--	--	--	--	--	--	--	--
09/05/01	85.13	OBSTRUCTION IN WELL			--	--	--	--	--	--	--	--	--
12/02/01	85.13	OBSTRUCTION IN WELL			--	--	--	--	--	--	--	--	--
DESTROYED													

Table 1

Groundwater Monitoring Data and Analytical Results

Former Texaco Service Station (Site #211283)

3810 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
MW-8													
10/10/96	84.01	20.82	63.19	--	110	17,000	1,300	1,200	64	1,300	110	<5.0[1]	--
11/07/96	84.01	20.44	63.57	--	--	--	--	--	--	--	--	--	--
12/18/97	84.01	19.36	64.65	--	630	15,000	3,600	1,800	410	930	<600	--	--
04/06/98	84.01	16.19	67.82	--	<50	32,300	8,230	5,900	718	2,120	<1,000	--	--
06/18/98	84.01	17.75	66.26	--	<50	74,000	5,400	4,500	700	2,200	2,400	--	--
08/31/98	84.01	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
12/21/98	84.01	19.48	64.53	--	1,200	9,600	2,600	410	220	300	700	<2.0	--
03/24/99	84.01	17.44	66.57	--	2,890	86,100	9,890	11,700	1,650	7,130	<200	<250	--
06/25/99	84.01	20.69	63.40**	0.10	--	--	--	--	--	--	--	--	--
07/01/99	84.01	20.45	65.07**	1.89	--	--	--	--	--	--	--	--	--
09/24/99	84.01	20.98	64.25**	1.53	--	--	--	--	--	--	--	--	--
12/29/99	84.01	20.25	63.97**	0.26	--	--	--	--	--	--	--	--	--
01/07/00	84.01	21.00	63.33**	0.40	--	--	--	--	--	--	--	--	--
DESTROYED													
TRIP BLANK													
QA													
06/25/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
09/18/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
12/19/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
03/20/03	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
06/23/03[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
09/22/03[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
12/22/03[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
03/22/04[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
06/21/04[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
09/20/04[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
12/20/04[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
03/28/05[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
06/27/05[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
09/19/05[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
12/19/05[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Texaco Service Station (Site #211283)

3810 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE by 8021♦ (µg/L)	MTBE by 8260 (µg/L)	ETHANOL (µg/L)
QA (cont)													
03/27/06[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
06/26/06[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
09/25/06[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
12/18/06[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
03/19/07[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
06/25/07[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
09/24/07[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
12/18/07[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
03/11/08[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
06/11/08[20]	--	--	--	--	--	--	--	--	--	--	--	--	--
09/22/08[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
12/22/08[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
03/23/09[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
06/22/09[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
12/02/09[10]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	--
06/26/10[10]	--	--	--	--	--	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	--	**<0.5**	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Texaco Service Station (Site #211283)

3810 Broadway

Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 25, 2002, were compiled from reports prepared by Toxichem Management Systems, Inc.

TOC = Top of Casing
(ft.) = Feet
DTW = Depth to Water
GWE = Groundwater Elevation
(msl) = Mean Sea Level
SPH = Separate-phase hydrocarbons
SPHT = Separate-phase hydrocarbon thickness

TPH = Total Petroleum Hydrocarbons
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes

MTBE = Methyl Tertiary Butyl Ether
(ppb) = Parts per billion
(µg/L) = Micrograms per liter
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank
NP= No Purge

* TOC elevations were surveyed June 24, 2002, by Morrow Surveying, and are based on City of Oakland Benchmark.

** GWE corrected for the presence of SPH; correction factor = [(TOC - DTW)+(0.80 x SPHT)].

♦ Prior to June 25, 2002, MTBE was analyzed by EPA Method 8020.

1 MTBE confirmed by EPA Method 8240.

2 Free product could not be accurately measured.

3 TOC altered.

4 Analyzed outside EPA recommended hold time.

5 Sample containers broken during transport to laboratory.

6 TPH-GRO and BTEX analyzed by EPA Method 8260.

7 Well development performed.

8 MW-11 was inaccessible during the re-surveying. TOC was not measured.

9 Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil.

10 BTEX analyzed by EPA Method 8260.

11 Ethanol was previously reported as <50 ppb.

12 Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range later than #2 fuel.

13 Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes later in the DRO range.

14 Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range earlier than #2 fuel.

15 Laboratory report indicates the observed sample patterns are not typical of #2 fuel/diesel. They elute in the DRO range earlier and later than #2 fuel.

16 Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range later than #2 fuel and contains individual peaks eluting in the DRO range.

17 Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. The reported result is due to an individual peak (s) eluting in the DRO range.

18 No purge due to bent casing.

19 Laboratory confirmed analytical result.

20 Sample containers not received at laboratory.

21 Laboratory report indicates the DRO analysis was performed on a resample due to a laboratory error during the extraction / analysis of the first submission.

22 No purge due to wells location in active construction zone.

Table 2

Field Measurements

Former Texaco Service Station (Site #211283)

3810 Broadway

Oakland, California

WELL ID	DATE		D.O. Pre Purging (mg/L)	ORP Pre Purging (mV)	D.O. Mid-Purging (mg/L)	ORP Mid-Purging (mV)	DO Post Purging (mg/L)	ORP Post Purging (mV)
MW-6	09/24/99		1.00	--	--	--	1.20	--
	12/29/99		1.30	--	--	--	1.50	--
	03/21/00		3.00	--	--	--	4.30	--
	11/29/00		2.00	--	--	--	1.80	--
	03/06/01		3.70	--	--	--	4.00	--
	06/19/01		3.00	--	--	--	3.40	--
	09/05/01		10.40	--	--	--	10.80	--
	12/20/01		1.30	--	--	--	1.50	--
	06/25/02		1.00	--	0.60	--	0.40	--
	09/18/02		0.60	58	0.90	69	1.00	72
	12/19/02		1.20	71	--	--	1.10	79
	03/20/03		0.40	-93	--	--	1.60	-87
	06/23/03		0.90	64	--	--	1.20	78
	09/22/03		1.10	70	--	--	1.30	76
	12/22/03		0.90	68	--	--	1.00	70
	03/22/04		1.00	74	--	--	1.20	82
	06/21/04		1.10	72	--	--	1.10	86
	09/20/04		1.20	68	--	--	1.30	76
	12/20/04		1.00	71	--	--	1.10	80
	03/28/05		1.10	75	--	--	1.10	86
	06/27/05		1.10	78	--	--	1.20	90
	09/19/05		2.90	--[1]	--	--	1.20	--[1]
	12/19/05		1.00	69	--	--	1.00	74
	03/27/06		1.60	89	--	--	1.20	75
	06/26/06		1.40	105	--	--	1.20	82
	09/25/06		1.20	103	--	--	1.30	91
	12/18/06		1.20	87	--	--	--[2]	--[2]
	03/19/07		1.9	-57	--	--	1.6	-63
	06/25/07	DRY		--	--	--	--	--
	09/24/07	DRY		--	--	--	--	--
	12/18/07	DRY		--	--	--	--	--
	03/11/08	DRY		--	--	--	--	--
	06/11/08		0.9	53	--	--	1.1	67
	09/22/08		1.3	-27	--	--	1.6	-17
	12/22/08		1.2	-65	--	--	0.9	-54
	03/23/09		0.4	-81	--	--	0.9	-150
	06/22/09		.70	-95	--	--	.60	-84
	12/02/09		0.5	-45	--	--	0.8	-39
	06/26/10		**1.1**	**-67**	--	--	**1.3**	**-94**
MW-7	09/24/99		1.40	--	--	--	1.60	--
	12/29/99		2.30	--	--	--	1.80	--
	03/21/00		5.80	--	--	--	9.00	--
	07/26/00		6.00	--	--	--	6.60	--
	09/06/00		4.30	--	--	--	5.00	--
	11/29/00		4.00	--	--	--	3.70	--
	03/06/01		4.70	--	--	--	5.10	--

Table 2
Field Measurements
Former Texaco Service Station (Site #211283)
3810 Broadway
Oakland, California

WELL ID	DATE	D.O. Pre Purging (mg/L)	ORP Pre Purging (mV)	D.O. Mid-Purging (mg/L)	ORP Mid-Purging (mV)	DO Post Purging (mg/L)	ORP Post Purging (mV)
MW-7	06/19/01	3.80	--	--	--	4.20	--
(cont)	09/05/01	6.70	--	--	--	7.10	--
	12/20/01	4.90	--	--	--	5.00	--
	06/25/02	1.00	--	1.40	--	1.30	--
	09/18/02	1.80	112	1.90	98	2.10	102
	12/19/02	1.30	121	--	--	1.60	110
	03/20/03	2.60	129	--	--	2.70	152
	06/23/03	1.70	122	--	--	1.90	140
	09/22/03	1.40	92	--	--	1.70	124
	12/22/03	1.50	98	--	--	1.60	114
	03/22/04	1.30	90	--	--	1.50	96
	06/21/04	1.50	106	--	--	1.70	126
	09/20/04	1.40	115	--	--	0.96	110
	12/20/04	1.30	88	--	--	1.40	95
	03/28/05	1.40	92	--	--	1.40	88
	06/27/05	1.50	106	--	--	1.40	94
	09/19/05	3.70	17	--	--	3.10	29
	12/19/05	1.40	85	--	--	1.30	90
	03/27/06	1.80	126	--	--	2.10	132
	06/26/06	1.60	119	--	--	1.80	121
	09/25/06	1.70	125	--	--	1.60	124
	12/18/06	1.40	130	--	--	--[2]	--[2]
	03/19/07	2.8	-10	--	--	2.3	-13
	06/25/07	1.8	119	--	--	1.5	98
	09/24/07	1.7	1.3	--	--	94	76
	12/18/07	2.1	68	--	--	1.8	73
	03/11/08	1.8	93	--	--	1.7	104
	06/11/08	1.5	-32	--	--	1.3	-46
	09/22/08	1.2	27	--	--	1.5	39
	12/22/08	1.8	85	--	--	1.7	80
	03/23/09	1.4	185	--	--	--	--
	06/22/09	1.9	120	--	--	1.7	112
	12/02/09	2.0	61	--	--	1.8	65
	06/26/10	**1.6**	**89**	--	--	**1.8**	**102**
MW-9	09/24/99	1.00	--	--	--	1.20	--
	12/29/99	3.30	--	--	--	2.70	--
	03/21/00	3.20	--	--	--	7.30	--
	07/26/00	3.60	--	--	--	1.80	--
	09/06/00	3.80	--	--	--	4.00	--
	11/29/00	2.00	--	--	--	2.00	--
	03/06/01	4.00	--	--	--	4.90	--
	06/19/01	3.40	--	--	--	4.00	--
	09/05/01	2.70	--	--	--	2.00	--
	12/20/01	2.20	--	--	--	2.20	--
	06/25/02	0.90	--	1.00	--	1.20	--
	09/18/02	1.40	138	1.00	110	0.90	95

Table 2

Field Measurements

Former Texaco Service Station (Site #211283)

3810 Broadway

Oakland, California

WELL ID	DATE	D.O. Pre Purging (mg/L)	ORP Pre Purging (mV)	D.O. Mid-Purging (mg/L)	ORP Mid-Purging (mV)	DO Post Purging (mg/L)	ORP Post Purging (mV)
MW-9	12/19/02	1.80	126	--	--	1.10	98
(cont)	03/20/03	0.10	206	--	--	1.10	193
	06/23/03	1.20	146	--	--	1.00	138
	09/22/03	1.10	126	--	--	1.00	130
	12/22/03	1.30	134	--	--	1.20	142
	03/22/04	3.70	120	--	--	1.40	126
	06/21/04	3.50	108	--	--	1.20	116
	09/20/04	2.70	54	--	--	1.10	62
	12/20/04	2.50	72	--	--	1.40	80
	03/28/05	2.80	92	--	--	1.70	68
	06/27/05	2.60	82	--	--	1.50	62
	09/19/05	1.00	-38	--	--	0.60	-30
	12/19/05	2.10	76	--	--	2.20	68
	03/27/06	2.20	136	--	--	1.90	125
	06/26/06	2.40	122	--	--	2.00	115
	09/25/06	2.10	116	--	--	1.90	120
	12/18/06	1.80	131	--	--	--[2]	--[2]
	03/19/07	1.7	-03	--	--	2.1	-11
	06/25/07	2.2	11	--	--	2.0	73
	09/24/07	2.4	2.2	--	--	93	75
	12/18/07	INACCESSIBLE - WELL UNDER WATER			--	--	--
	03/11/08	2.2	76	--	--	1.9	63
	06/11/08	1.9	103			1.9	117
	09/22/08	14	32	--	--	21	51
	12/22/08	2.3	115	--	--	2.1	109
	03/23/09	INACCESSIBLE	--	--	--	--	--
	06/22/09	2.1	98	--	--	1.9	91
	12/02/09	1.8	76	--	--	2.0	69
	06/26/10	**1.3**	**63**	--	--	**1.7**	**107**
MW-10	09/19/05	1.40	-97	--	--	0.80	-98
	03/23/09	INACCESSIBLE	--	--	--	--	--
MW-2	09/24/99	1.00	--	--	--	0.80	--
	12/29/99	2.60	--	--	--	--	--
	03/21/00	3.30	--	--	--	3.60	--
	DESTROYED						

Table 2

Field Measurements

Former Texaco Service Station (Site #211283)

3810 Broadway

Oakland, California

EXPLANATIONS:

Dissolved oxygen concentrations prior to June 25, 2002, were compiled from reports prepared by Toxichem Management Systems, Inc.

D.O. = Dissolved Oxygen

mg/L = milligrams per liter

ORP = Oxidation Reduction Potential

(mV) = Millivolts

-- = Not Measured

[1] ORP reading under range.

[2] Field technician inadvertently missed readings.