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August 8, 2012

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

Dear Mr. Detterman:

Attached for your review is the *First Semiannual 2012 Groundwater Monitoring Report* for former Texaco Service Station 21-1283, located at 3810 Broadway in Oakland, California. 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.

If you should have any further questions, please do not hesitate to contact me.

Sincerely,

Kelly C Esters

Kelly Esters
Chevron Environmental Management Company

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320 Commerce
Suite 200
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California 92602
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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 2012 Groundwater Monitoring Report
Former Texaco Service Station No. 21-1283
3810 Broadway
Oakland, California
Fuel Leak Case No. RO0000056

Date:
August 8, 2012

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 2012 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 13, 2012. 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 2012 event. The BTS groundwater monitoring and sample package is presented in Attachment 1. Separate phase hydrocarbons (SPH) were not observed during the first semiannual 2012 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), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA) and ethanol 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, MTBE, DIPE, ETBE, TAME, TBA and ethanol.

The analytical results of the groundwater samples collected during the first semiannual 2012 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 variable across the site, with components of flow southwest and outward from MW-12
- Concentrations of petroleum hydrocarbon constituents detected in groundwater samples collected from the well network were consistent with the results of recent sampling events

Sincerely,

ARCADIS U.S., Inc.

Toni DeMayo
Project Geologist

Melissa Blanchette, PG (CA 8531)
Principal Geologist

Enclosures:

Figure 1	Site Plan
Figure 2	Groundwater Elevation Contour Map - First Semiannual 2012
Figure 3	Concentration Map – First Semiannual 2012
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, electronic copy
Mr. Joe Zadik

ARCADIS

Tables

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 9-9708
5910 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

Location	Date	*TOC*	*DTW*	*GWE*	*TPH-MO*	*TPH-DRO*	*TPH-GRO*	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*	*MTBE*	*Ethanol*
	Units	*(ft amsl)*	*(ft)*	*(ft amsl)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*
MW-1	06/13/11	97.52	11.25	86.27	<41	75	<50	<0.5	<0.5	<0.5	<0.5	13	<50
MW-1	12/02/11	97.52	12.82	84.70	<520	<520	140	1.7	<0.50	<0.50	<1.5	14	<150
MW-1	**06/21/12**	97.52	13.27	84.25	<470	<470	130	<0.50	<0.50	<0.50	<1.0	11	<150
MW-2	06/13/11	97.81	14.06	83.75	<41	<50	<50	<0.5	<0.5	<0.5	<0.5	1	<50
MW-2	12/02/11	97.81	13.42	84.39	<520	<520	<50	<0.50	<0.50	<0.50	<1.5	3.8	<150
MW-2	**06/21/12**	97.81	13.90	83.91	<480	<480	<50	<0.50	<0.50	<0.50	<1.0	15	<150
MW-3	06/13/11	98.78	11.69	87.09	38,000	19,000	<50	<0.5	2	<0.5	<0.5	<0.5	<50
MW-3	12/02/11	98.78	11.44	87.34	4,100	2,000	<50	<0.50	<0.50	<0.50	<1.5	<0.50	<150
MW-3	**06/21/12**	98.78	11.80	86.98	1,500	6,800	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<150
MW-4	06/13/11	97.14	13.07	84.07	1,900	2,000	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
MW-4	12/02/11	97.14	INACCESSIBLE		--	--	--	--	--	--	--	--	--
MW-4	**06/21/12**	97.14	14.43	82.71	620	1,900	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<150
MW-5	06/13/11	95.71	11.58	84.13	<42	240	240	<0.5	<0.5	<0.5	<0.5	0.9	<50
MW-5	12/02/11	95.71	11.68	84.03	<500	<500	180	<0.50	<0.50	<0.50	<1.5	1.4	<150
MW-5	**06/21/12**	95.71	12.22	83.49	<510	<510	200	<0.50	<0.50	<0.50	<1.0	0.68	<150
MW-6	06/13/11	95.84	10.59	85.25	<40	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
MW-6	12/02/11	95.84	INACCESSIBLE		--	--	--	--	--	--	--	--	--
MW-6	**06/21/12**	95.84	INACCESSIBLE		--	--	--	--	--	--	--	--	--

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 9-9708
5910 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

Location	Date	*TOC*	*DTW*	*GWE*	*TPH-MO*	*TPH-DRO*	*TPH-GRO*	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*	*MTBE*	*Ethanol*
	Units	*(ft amsl)*	*(ft)*	*(ft amsl)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*	*(µg/l)*
QA	06/13/11	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	12/02/11	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<0.50	<150
QA	**06/21/12**	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<150

Abbreviations and Notes:

TOC = Top of casing

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

GWE = Groundwater elevation

TPH-MO = Total petroleum hydrocarbons as motor oil range organics

TPH-DRO = Total petroleum hydrocarbons as diesel range organics

TPH-GRO = Total petroleum hydrocarbons as gasoline range organics

MTBE = Methyl tertiary butyl ether

Ft amsl = Feet above mean sea level

Ft = Feet

µg/l = micrograms per liter

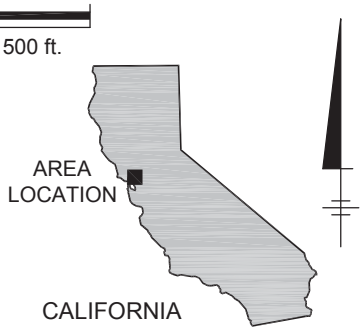
< = Not detected above detection limit indicated

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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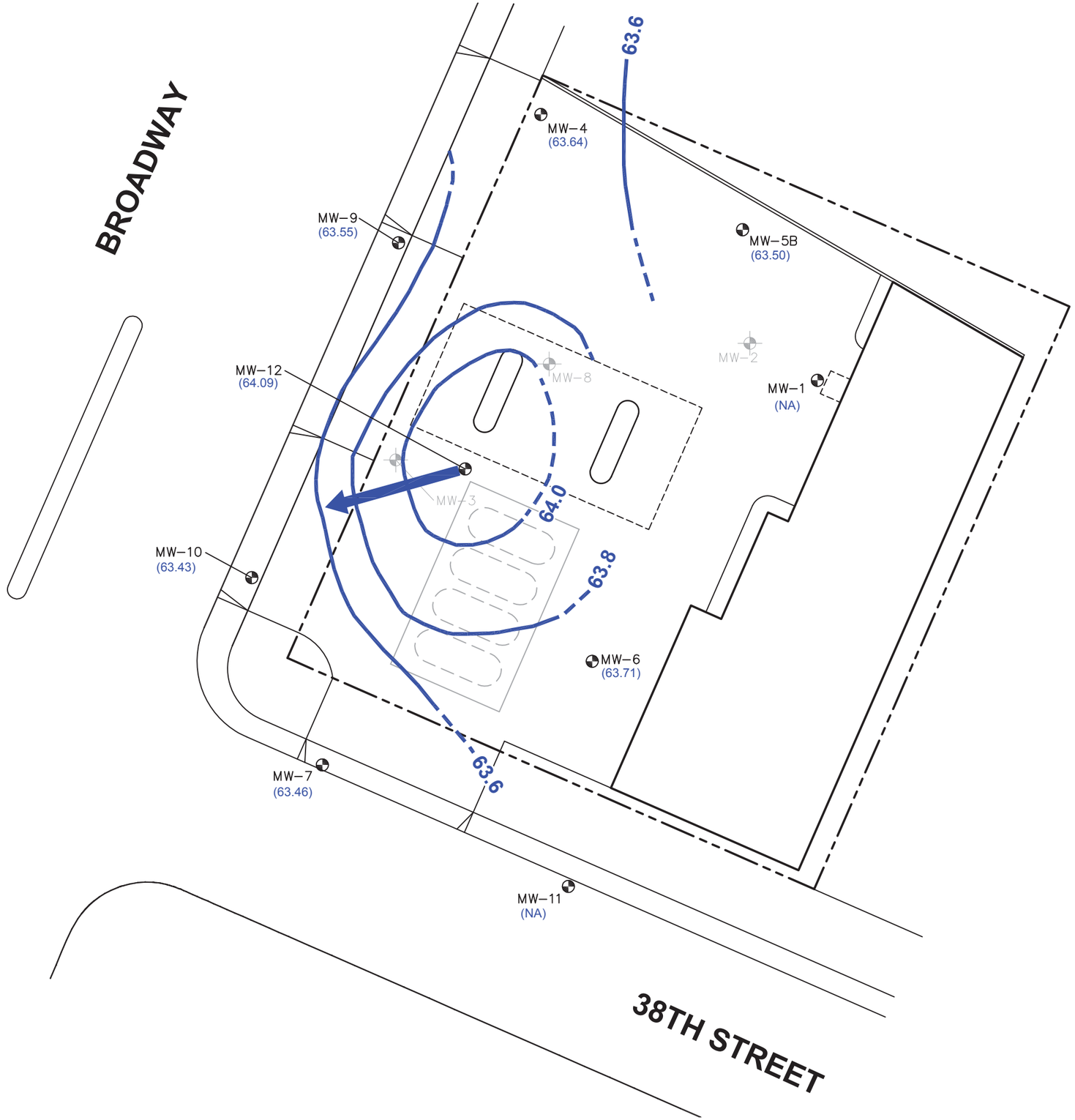
FIGURE 1



LEGEND:

- PROPERTY LINE
- MONITORING WELL LOCATION
- FORMER WELL LOCATION
- UST — UNDERGROUND STORAGE TANK
- (63.71) — GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT AMSL)
- 61.10 — GROUNDWATER ELEVATION CONTOUR, DASHED WHERE INFERRED (FT AMSL)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW. HYDRAULIC GRADIENT IS APPROXIMATELY 0.002 FEET PER FOOT (FT/FT)
- NA — NOT AVAILABLE

NOTES:

1. 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 - FIRST SEMIANNUAL 2012

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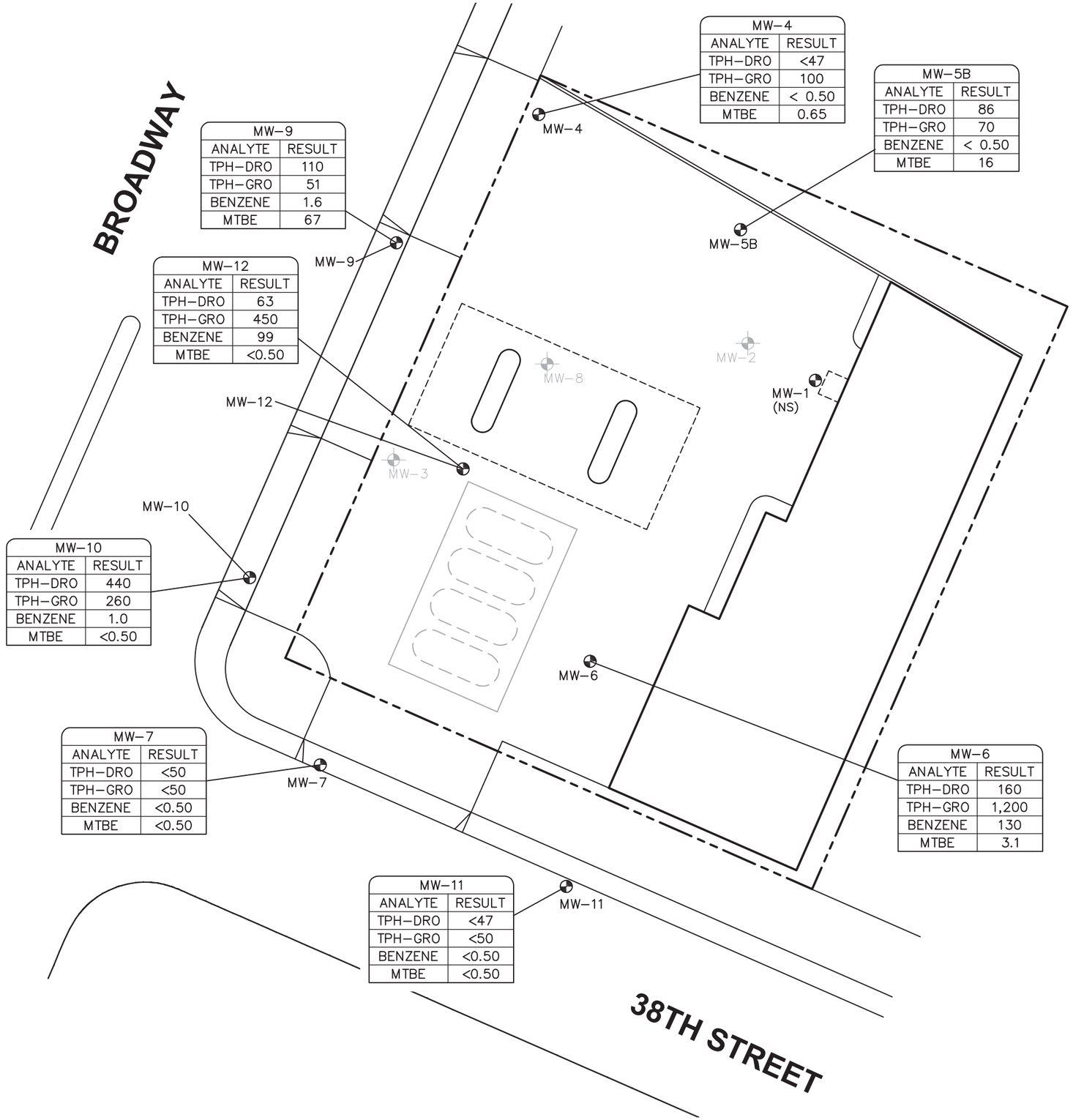
FIGURE 2



MW-4	
ANALYTE	RESULT
TPH-DRO	<47
TPH-GRO	100
BENZENE	< 0.50
MTBE	0.65

MW-5B	
ANALYTE	RESULT
TPH-DRO	86
TPH-GRO	70
BENZENE	< 0.50
MTBE	16

MW-9	
ANALYTE	RESULT
TPH-DRO	110
TPH-GRO	51
BENZENE	1.6
MTBE	67

MW-12	
ANALYTE	RESULT
TPH-DRO	63
TPH-GRO	450
BENZENE	99
MTBE	<0.50

MW-10	
ANALYTE	RESULT
TPH-DRO	440
TPH-GRO	260
BENZENE	1.0
MTBE	<0.50

MW-7	
ANALYTE	RESULT
TPH-DRO	<50
TPH-GRO	<50
BENZENE	<0.50
MTBE	<0.50

MW-6	
ANALYTE	RESULT
TPH-DRO	160
TPH-GRO	1,200
BENZENE	130
MTBE	3.1

MW-11	
ANALYTE	RESULT
TPH-DRO	<47
TPH-GRO	<50
BENZENE	<0.50
MTBE	<0.50

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. 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.
2. ALL CONCENTRATIONS IN MICROGRAMS PER LITER.
3. 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

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FIGURE 3

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Attachment 1

Groundwater Monitoring and
Sampling Field Data Sheets

WELL GAUGING DATA

Project # 120613-PH1 Date 6/13/12 Client Chevron

Site 3810 Broadway, Oakland

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	0815	2					19.67	28.62		
MW-5B	0850	2					21.86	30.13		
MW-6	0901	2					22.38	28.00		
MW-7	0845	2					20.65	32.90		
MW-9	0824	2					18.62	33.45		
MW-10	0855	2					18.40	32.55		
MW-11	0830	2					26.76	38.40		
MW-12	0836	2					20.10	29.22	↓	

CHEVRON WELL MONITORING DATA SHEET

Project #: 120613-PH1	Station #: 21-1283
Sampler: PH	Date: 6/13/12
Weather: clear	Ambient Air Temperature: 60F
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 28.62	Depth to Water: 19.67
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]: 21.43	

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	=	4.3 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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0913	65.9	6.3	392	>1000	1.5	
0915	65.9	6.5	347	>1000	3.0	
0917	65.8	6.5	344	>1000	4.5	

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Date: 6/13/12 Sampling Time: 0925 Depth to Water: 21.23

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 #: 120613-PH1	Station #: 21-1283
Sampler: PH	Date: 6/13/12
Weather: clear	Ambient Air Temperature: 65°F
Well I.D.: MW-5B	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 30.13	Depth to Water: 21.86
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]: 23.51	

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: ____

*Sampled out of order due to car parked on well

1.3 (Gals.)	X	3	=	3.9 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
1233	65.9	7.6	945	>1000	1.5	
1235	65.7	~~6.8~~	949	>1000	3.0	
1237	66.0	6.8	963	>1000	4.0	

Did well dewater? Yes (No) Gallons actually evacuated: 4

Sampling Date: 6/13/12 Sampling Time: 1245 Depth to Water: 23.32

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 #: 120613-PH1	Station #: 21-1283
Sampler: PH	Date: 6/13/12
Weather: clear	Ambient Air Temperature: 65 °F
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 28.00	Depth to Water: 22.38
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]: 23.50	

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: ____

0.9 (Gals.) X	3	=	2.7 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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1200	67.0	7.2	1240	>1000	1.0	
1202	67.1	6.7	1100	>1000	2.0	
1204	67.4	6.7	1091	>1000	2.7	

Did well dewater? Yes (No) Gallons actually evacuated: 2.7

Sampling Date: 6/13/12 Sampling Time: 1215 Depth to Water: 23.17

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 #: 120613-PH1	Station #: 21-1283
Sampler: PH	Date: 6/13/12
Weather: clear	Ambient Air Temperature: 65°F
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 32.90	Depth to Water: 20.65
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]: 23.10	

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: ____

1.9 (Gals.) X 3 = 5.9 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
1100	66.0	7.7	479	>1000	2	
1103	65.8	7.0	466	>1000	4	
1106	65.7	7.0	462	>1000	6	

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Date: 6/13/12 Sampling Time: 1115 Depth to Water: 22.25

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 #: 120613-PH1	Station #: 21-1283
Sampler: PH	Date: 6/13/12
Weather: clear	Ambient Air Temperature: 60°F
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 33.45	Depth to Water: 18.62
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]: 21.58	

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: _____

2.4 (Gals.) X	3	=	7.1 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
0938	65.6	6.3	803	>1000	2.5	
0941	65.8	6.5	798	>1000	5.0	
0944	65.7	6.5	794	>1000	7.2	

Did well dewater? Yes (No) Gallons actually evacuated: 7.2

Sampling Date: 6/13/12 Sampling Time: 0955 Depth to Water: 21.54

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 #: 120613-PH1	Station #: 21-1283
Sampler: PH	Date: 6/13/12
Weather: clear	Ambient Air Temperature: 65°F
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 32.55	Depth to Water: 18.40
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]: 21.23	

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	=	6.8 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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1130	66.2	7.1	696	>1000	2.5	
1133	66.4	6.8	680	>1000	4.7	
1136	66.4	6.8	686	>1000	7.0	

Did well dewater? Yes (No) Gallons actually evacuated: 7

Sampling Date: 6/13/12 Sampling Time: 1145 Depth to Water: 20.02

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 #: 120613-PH1	Station #: ~~12-7749~~ 21-1283
Sampler: PH	Date: 6/13/12
Weather: clear	Ambient Air Temperature: 65°F
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 38.40	Depth to Water: 26.76
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]: 29.08	

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	=	5.6 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
1013	66.6	7.1	597	>1000	2	
1016	66.8	7.0	598	>1000	4	
1018	67.0	7.0	600	>1000	5.7	

Did well dewater? Yes (No) Gallons actually evacuated: 5.7

Sampling Date: 6/13/12 Sampling Time: 1025 Depth to Water: 28.36

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 #: 120613-PH1	Station #: 21-1283
Sampler: PH	Date: 6/13/12
Weather: clear	Ambient Air Temperature: 65°F
Well I.D.: MW-12	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 29.22	Depth to Water: 20.10
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]: 21.92	

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: ____

1.5 (Gals.) X	3	=	4.4 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
—	Grab Sample due to Access restrictions				—	
	—	—	Per owner request		—	
1040	65.2	7.2	985	223	—	

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 6/13/12 Sampling Time: 1040 Depth to Water: 20.10

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

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: 6/13/12	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. 120613-PH1
Irvine, CA 92602	Calendar (C) or Work Days (W)			
714-508-2657 Phone	TAT if different from Below			
714-730-9345 FAX	■ 2 weeks			SDG No.
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	6/8/12	0925	Various	W	9		X	X	X	X	X	
MW-5B		1245					X	X	X	X	X	
MW-6		1215					X	X	X	X	X	
MW-7		1115					X	X	X	X	X	
MW-9		0955					X	X	X	X	X	
MW-10		1145					X	X	X	X	X	
MW-11		1025					X	X	X	X	X	
MW-12		1040					X	X	X	X	X	
TB- 20120613		0800	VOA		4		X	X				
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other							1,2	1,2	1	1	1	

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	6/13/12 1530			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

WELLHEAD INSPECTION CHECKLIST

Client Chevron Date 6/13/12

Site Address 3810 Broadway, Oakland

Job Number 120613-PH1 Technician PH

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-4						X		
MW-5B						X		
MW-6						X		
MW-7	X							
MW-9	X							
MW-10						X		
MW-11	X							
MW-12						X		

NOTES: MW-4 1/2 tabs stripped MW-12 -1/2 bolts 1/2 tabs broken 1/2 tabs stripped MW-5B 2/3 tabs stripped MW-10 2/2 tabs stripped MW-6 1/2 tabs stripped

CHEVRON-NORTHERN CALIFORNIA TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING** FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF CALIFORNIA. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND-WATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN SAN JOSE, CALIFORNIA FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 1680 Rogers Ave. San Jose CA (408) 573-0555). BLAINE TECH. is authorized by Chevron Environmental Management Company (CHEVRON EMC) to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the CHEVRON EMC facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one CHEVRON EMC facility to BLAINE TECH; from one CHEVRON EMC facility to BLAINE TECH via another CHEVRON EMC facility; or any combination thereof. The well purgewater is and remains the property of CHEVRON EMC.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

21-1283 — CHEVRON #

Rob Spear — Chevron Project Manager

3810 — street number

Broadway Terrace — street name

Oakland — city

CA — state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-4	4.5		
MW-5D	4		
MW-6	2.7		
MW-7	6		
MW-9	7.2		
MW-10	7		
MW-11	5.7		
~~MW-12~~ (DRY)			

added equip. rinse water / 8

any other adjustments /

TOTAL GALS. RECOVERED 215

loaded onto BTS vehicle # 81

BTS event # 120613-PH1 — time 1300 — date 6/13/12

signature

****

REC'D AT BTS — time 1530 — date 6/13/12

unloaded by signature

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 3810 Broadway, Oakland				PROJECT NUMBER 120613-PH1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
myron L ultrameter II	6209492	6/13/12 0910	PH 7, 10, 4 cond. 3900	7.00, 10.00, 4.0 3900	✓ ✓		PH

ARCADIS

Attachment 2

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: 440-14875-1
Client Project/Site: Chevron - 21-1283

For:
ARCADIS U.S., Inc.
3240 El Camino Real
Suite 200
Irvine, California 92602

Attn: Toni DeMayo

Authorized for release by:
6/27/2012 6:02:10 PM

Sushmitha Reddy
Project Manager I
sushmitha.reddy@testamericainc.com

□□□□□□□□ □□□□□□

Sample Summary

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

TestAmerica Job ID: 440-14875-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-14875-1	MW-4	Water	06/13/12 09:25	06/15/12 09:50
440-14875-2	MW-5B	Water	06/13/12 12:45	06/15/12 09:50
440-14875-3	MW-6	Water	06/13/12 12:15	06/15/12 09:50
440-14875-4	MW-7	Water	06/13/12 11:15	06/15/12 09:50
440-14875-5	MW-9	Water	06/13/12 09:55	06/15/12 09:50
440-14875-6	MW-10	Water	06/13/12 11:45	06/15/12 09:50
440-14875-7	MW-11	Water	06/13/12 10:25	06/15/12 09:50
440-14875-8	MW-12	Water	06/13/12 10:40	06/15/12 09:50
440-14875-9	TB-20120613	Water	06/13/12 08:00	06/15/12 09:50

Case Narrative

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

TestAmerica Job ID: 440-14875-1

Job ID: 440-14875-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-14875-1

Comments
No additional comments.

Receipt
The samples were received on 6/15/2012 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.4° C.

Except:

One or more containers for the following sample(s) was received broken or leaking
For All Samples we received at least 1 to 2 Voas Broken .. For Sample # 5 we received 3 voas broken so we only had 1 for each analysis..

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 33956 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC VOA
Method(s) 8015B: The following sample(s) was analyzed with headspace in the sample vial due to multiple runs: MW-12 (440-14875-8).

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 33360 and 33793. 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 Results

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

TestAmerica Job ID: 440-14875-1

Client Sample ID: MW-4

Lab Sample ID: 440-14875-1

Date Collected: 06/13/12 09:25

Matrix: Water

Date Received: 06/15/12 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/19/12 17:33	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			06/19/12 17:33	1
Ethanol	ND		150		ug/L			06/19/12 17:33	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			06/19/12 17:33	1
Ethylbenzene	ND		0.50		ug/L			06/19/12 17:33	1
m,p-Xylene	ND		1.0		ug/L			06/19/12 17:33	1
Methyl-t-Butyl Ether (MTBE)	**0.65**		0.50		ug/L			06/19/12 17:33	1
o-Xylene	ND		0.50		ug/L			06/19/12 17:33	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			06/19/12 17:33	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/19/12 17:33	1
Toluene	ND		0.50		ug/L			06/19/12 17:33	1
Xylenes, Total	ND		1.0		ug/L			06/19/12 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*06/19/12 17:33*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*06/19/12 17:33*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/19/12 17:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**100**		50		ug/L			06/23/12 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*65 - 140*		*06/23/12 02:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	**0.13**		0.048		mg/L		06/19/12 11:29	06/20/12 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*76*		*45 - 120*	*06/19/12 11:29*	*06/20/12 02:19*	*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		0.047		mg/L		06/16/12 14:01	06/16/12 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*69*		*45 - 120*	*06/16/12 14:01*	*06/16/12 18:54*	*1*

Client Sample ID: MW-5B

Lab Sample ID: 440-14875-2

Date Collected: 06/13/12 12:45

Matrix: Water

Date Received: 06/15/12 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/19/12 18:00	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			06/19/12 18:00	1
Ethanol	ND		150		ug/L			06/19/12 18:00	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			06/19/12 18:00	1
Ethylbenzene	ND		0.50		ug/L			06/19/12 18:00	1
m,p-Xylene	ND		1.0		ug/L			06/19/12 18:00	1
Methyl-t-Butyl Ether (MTBE)	**16**		0.50		ug/L			06/19/12 18:00	1
o-Xylene	ND		0.50		ug/L			06/19/12 18:00	1

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

TestAmerica Job ID: 440-14875-1

Client Sample ID: MW-5B

Date Collected: 06/13/12 12:45
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			06/19/12 18:00	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/19/12 18:00	1
Toluene	ND		0.50		ug/L			06/19/12 18:00	1
Xylenes, Total	ND		1.0		ug/L			06/19/12 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/19/12 18:00*	*1*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*06/19/12 18:00*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/19/12 18:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**70**		50		ug/L			06/23/12 03:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*65 - 140*		*06/23/12 03:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	**0.12**		0.048		mg/L		06/19/12 11:29	06/20/12 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*81*		*45 - 120*	*06/19/12 11:29*	*06/20/12 02:40*	*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)	**0.086**		0.048		mg/L		06/16/12 14:01	06/16/12 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*70*		*45 - 120*	*06/16/12 14:01*	*06/16/12 19:17*	*1*

Client Sample ID: MW-6

Date Collected: 06/13/12 12:15
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**130**		0.50		ug/L			06/19/12 18:27	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			06/19/12 18:27	1
Ethanol	ND		150		ug/L			06/19/12 18:27	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			06/19/12 18:27	1
Ethylbenzene	**75**		0.50		ug/L			06/19/12 18:27	1
m,p-Xylene	**21**		1.0		ug/L			06/19/12 18:27	1
Methyl-t-Butyl Ether (MTBE)	**3.1**		0.50		ug/L			06/19/12 18:27	1
o-Xylene	**15**		0.50		ug/L			06/19/12 18:27	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			06/19/12 18:27	1
tert-Butyl alcohol (TBA)	**65**		10		ug/L			06/19/12 18:27	1
Toluene	**9.5**		0.50		ug/L			06/19/12 18:27	1
Xylenes, Total	**36**		1.0		ug/L			06/19/12 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*06/19/12 18:27*	*1*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*06/19/12 18:27*	*1*

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

TestAmerica Job ID: 440-14875-1

Client Sample ID: MW-6

Lab Sample ID: 440-14875-3

Date Collected: 06/13/12 12:15

Matrix: Water

Date Received: 06/15/12 09:50

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/19/12 18:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**1200**		50		ug/L			06/23/12 03:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*72*		*65 - 140*		*06/23/12 03:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	**0.28**		0.049		mg/L		06/19/12 11:29	06/20/12 03:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	*82*		*45 - 120*	*06/19/12 11:29*	*06/20/12 03:00*	*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)	**0.16**		0.047		mg/L		06/16/12 14:01	06/16/12 19:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	*73*		*45 - 120*	*06/16/12 14:01*	*06/16/12 19:41*	*1*

Client Sample ID: MW-7

Lab Sample ID: 440-14875-4

Date Collected: 06/13/12 11:15

Matrix: Water

Date Received: 06/15/12 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/19/12 18:54	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			06/19/12 18:54	1
Ethanol	ND		150		ug/L			06/19/12 18:54	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			06/19/12 18:54	1
Ethylbenzene	ND		0.50		ug/L			06/19/12 18:54	1
m,p-Xylene	ND		1.0		ug/L			06/19/12 18:54	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/19/12 18:54	1
o-Xylene	ND		0.50		ug/L			06/19/12 18:54	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			06/19/12 18:54	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/19/12 18:54	1
Toluene	ND		0.50		ug/L			06/19/12 18:54	1
Xylenes, Total	ND		1.0		ug/L			06/19/12 18:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/19/12 18:54*	*1*
Dibromofluoromethane (Surr)	*85*		*80 - 120*		*06/19/12 18:54*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/19/12 18:54*	*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			06/23/12 04:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*101*		*65 - 140*		*06/23/12 04:15*	*1*

Client Sample Results

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

TestAmerica Job ID: 440-14875-1

Client Sample ID: MW-7

Lab Sample ID: 440-14875-4

Date Collected: 06/13/12 11:15

Matrix: Water

Date Received: 06/15/12 09:50

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		06/19/12 11:29	06/20/12 03:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*79*		*45 - 120*	*06/19/12 11:29*	*06/20/12 03:20*	*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		06/16/12 14:01	06/16/12 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*73*		*45 - 120*	*06/16/12 14:01*	*06/16/12 20:05*	*1*

Client Sample ID: MW-9

Lab Sample ID: 440-14875-5

Date Collected: 06/13/12 09:55

Matrix: Water

Date Received: 06/15/12 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.6**		0.50		ug/L			06/20/12 15:35	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			06/20/12 15:35	1
Ethanol	ND		150		ug/L			06/20/12 15:35	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			06/20/12 15:35	1
Ethylbenzene	ND		0.50		ug/L			06/20/12 15:35	1
m,p-Xylene	ND		1.0		ug/L			06/20/12 15:35	1
Methyl-t-Butyl Ether (MTBE)	**67**		0.50		ug/L			06/20/12 15:35	1
o-Xylene	ND		0.50		ug/L			06/20/12 15:35	1
Tert-amyl-methyl ether (TAME)	**2.0**		0.50		ug/L			06/20/12 15:35	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/20/12 15:35	1
Toluene	ND		0.50		ug/L			06/20/12 15:35	1
Xylenes, Total	ND		1.0		ug/L			06/20/12 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*06/20/12 15:35*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*06/20/12 15:35*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/20/12 15:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**51**		50		ug/L			06/23/12 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*65 - 140*		*06/23/12 04:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	**0.13**		0.048		mg/L		06/19/12 11:29	06/20/12 08:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*77*		*45 - 120*	*06/19/12 11:29*	*06/20/12 08:23*	*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**		0.047		mg/L		06/16/12 14:01	06/16/12 20:28	1

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

TestAmerica Job ID: 440-14875-1

Client Sample ID: MW-9

Date Collected: 06/13/12 09:55
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-5
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	*73*		*45 - 120*	*06/16/12 14:01*	*06/16/12 20:28*	*1*

Client Sample ID: MW-10

Date Collected: 06/13/12 11:45
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.0**		0.50		ug/L			06/20/12 16:05	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			06/20/12 16:05	1
Ethanol	ND		150		ug/L			06/20/12 16:05	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			06/20/12 16:05	1
Ethylbenzene	**0.73**		0.50		ug/L			06/20/12 16:05	1
m,p-Xylene	ND		1.0		ug/L			06/20/12 16:05	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/20/12 16:05	1
o-Xylene	**0.64**		0.50		ug/L			06/20/12 16:05	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			06/20/12 16:05	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/20/12 16:05	1
Toluene	ND		0.50		ug/L			06/20/12 16:05	1
Xylenes, Total	ND		1.0		ug/L			06/20/12 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/20/12 16:05*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*06/20/12 16:05*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/20/12 16:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**260**		50		ug/L			06/23/12 11:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*107*		*65 - 140*		*06/23/12 11:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	**0.44**		0.048		mg/L		06/19/12 11:29	06/20/12 08:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	*73*		*45 - 120*	*06/19/12 11:29*	*06/20/12 08:44*	*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)	**0.44**		0.048		mg/L		06/16/12 14:01	06/16/12 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	*76*		*45 - 120*	*06/16/12 14:01*	*06/16/12 20:52*	*1*

Client Sample ID: MW-11

Date Collected: 06/13/12 10:25
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-7
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			06/20/12 16:36	1

Client Sample Results

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

TestAmerica Job ID: 440-14875-1

Client Sample ID: MW-11

Date Collected: 06/13/12 10:25
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl Ether (DIPE)	ND		0.50		ug/L			06/20/12 16:36	1
Ethanol	ND		150		ug/L			06/20/12 16:36	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			06/20/12 16:36	1
Ethylbenzene	ND		0.50		ug/L			06/20/12 16:36	1
m,p-Xylene	ND		1.0		ug/L			06/20/12 16:36	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/20/12 16:36	1
o-Xylene	ND		0.50		ug/L			06/20/12 16:36	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			06/20/12 16:36	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/20/12 16:36	1
Toluene	ND		0.50		ug/L			06/20/12 16:36	1
Xylenes, Total	ND		1.0		ug/L			06/20/12 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/20/12 16:36*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*06/20/12 16:36*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/20/12 16:36*	*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			06/23/12 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*65 - 140*		*06/23/12 11:41*	*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		06/19/12 11:29	06/20/12 09:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*84*		*45 - 120*	*06/19/12 11:29*	*06/20/12 09:04*	*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		0.047		mg/L		06/16/12 14:01	06/16/12 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*78*		*45 - 120*	*06/16/12 14:01*	*06/16/12 21:15*	*1*

Client Sample ID: MW-12

Date Collected: 06/13/12 10:40
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**99**		0.50		ug/L			06/21/12 04:04	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			06/21/12 04:04	1
Ethanol	ND		150		ug/L			06/21/12 04:04	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			06/21/12 04:04	1
Ethylbenzene	**34**		0.50		ug/L			06/21/12 04:04	1
m,p-Xylene	**22**		1.0		ug/L			06/21/12 04:04	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/21/12 04:04	1
o-Xylene	**0.65**		0.50		ug/L			06/21/12 04:04	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			06/21/12 04:04	1

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

TestAmerica Job ID: 440-14875-1

Client Sample ID: MW-12

Lab Sample ID: 440-14875-8

Date Collected: 06/13/12 10:40

Matrix: Water

Date Received: 06/15/12 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/21/12 04:04	1
Toluene	**2.1**		0.50		ug/L			06/21/12 04:04	1
Xylenes, Total	**23**		1.0		ug/L			06/21/12 04:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*06/21/12 04:04*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/21/12 04:04*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/21/12 04:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**450**		50		ug/L			06/25/12 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*65 - 140*		*06/25/12 17:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	**0.14**		0.048		mg/L		06/19/12 11:29	06/20/12 09:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*86*		*45 - 120*	*06/19/12 11:29*	*06/20/12 09:46*	*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)	**0.063**		0.047		mg/L		06/16/12 14:01	06/16/12 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*53*		*45 - 120*	*06/16/12 14:01*	*06/16/12 21:39*	*1*

Client Sample ID: TB-20120613

Lab Sample ID: 440-14875-9

Date Collected: 06/13/12 08:00

Matrix: Water

Date Received: 06/15/12 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/21/12 04:35	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			06/21/12 04:35	1
Ethanol	ND		150		ug/L			06/21/12 04:35	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			06/21/12 04:35	1
Ethylbenzene	ND		0.50		ug/L			06/21/12 04:35	1
m,p-Xylene	ND		1.0		ug/L			06/21/12 04:35	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/21/12 04:35	1
o-Xylene	ND		0.50		ug/L			06/21/12 04:35	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			06/21/12 04:35	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/21/12 04:35	1
Toluene	ND		0.50		ug/L			06/21/12 04:35	1
Xylenes, Total	ND		1.0		ug/L			06/21/12 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/21/12 04:35*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*06/21/12 04:35*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/21/12 04:35*	*1*

Client Sample Results

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

TestAmerica Job ID: 440-14875-1

Client Sample ID: TB-20120613
Date Collected: 06/13/12 08:00
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50		ug/L			06/22/12 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*65 - 140*		*06/22/12 22:15*	*1*

Lab Chronicle

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

TestAmerica Job ID: 440-14875-1

Client Sample ID: MW-4

Date Collected: 06/13/12 09:25
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-1
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	33721	06/19/12 17:33	WC	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	34674	06/23/12 02:52	RG	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1055 mL	1 mL	33360	06/16/12 14:01	EC	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			33389	06/16/12 18:54	CN	TAL IRV
Total/NA	Prep	3510C			1050 mL	1 mL	33793	06/19/12 11:29	KW	TAL IRV
Total/NA	Analysis	8015B		1			33923	06/20/12 02:19	ES	TAL IRV

Client Sample ID: MW-5B

Date Collected: 06/13/12 12:45
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-2
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	33721	06/19/12 18:00	WC	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	34674	06/23/12 03:20	RG	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1045 mL	1 mL	33360	06/16/12 14:01	EC	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			33389	06/16/12 19:17	CN	TAL IRV
Total/NA	Prep	3510C			1050 mL	1 mL	33793	06/19/12 11:29	KW	TAL IRV
Total/NA	Analysis	8015B		1			33923	06/20/12 02:40	ES	TAL IRV

Client Sample ID: MW-6

Date Collected: 06/13/12 12:15
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-3
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	33721	06/19/12 18:27	WC	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	34674	06/23/12 03:47	RG	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1055 mL	1 mL	33360	06/16/12 14:01	EC	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			33389	06/16/12 19:41	CN	TAL IRV
Total/NA	Prep	3510C			1030 mL	1 mL	33793	06/19/12 11:29	KW	TAL IRV
Total/NA	Analysis	8015B		1			33923	06/20/12 03:00	ES	TAL IRV

Client Sample ID: MW-7

Date Collected: 06/13/12 11:15
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-4
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	33721	06/19/12 18:54	WC	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	34674	06/23/12 04:15	RG	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1010 mL	1 mL	33360	06/16/12 14:01	EC	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			33389	06/16/12 20:05	CN	TAL IRV
Total/NA	Prep	3510C			1040 mL	1 mL	33793	06/19/12 11:29	KW	TAL IRV
Total/NA	Analysis	8015B		1			33923	06/20/12 03:20	ES	TAL IRV

Lab Chronicle

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

TestAmerica Job ID: 440-14875-1

Client Sample ID: MW-9

Date Collected: 06/13/12 09:55
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-5
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	33956	06/20/12 15:35	SS	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	34674	06/23/12 04:43	RG	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1055 mL	1 mL	33360	06/16/12 14:01	EC	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			33389	06/16/12 20:28	CN	TAL IRV
Total/NA	Prep	3510C			1050 mL	1 mL	33793	06/19/12 11:29	KW	TAL IRV
Total/NA	Analysis	8015B		1			33923	06/20/12 08:23	ES	TAL IRV

Client Sample ID: MW-10

Date Collected: 06/13/12 11:45
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-6
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	33956	06/20/12 16:05	SS	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	34674	06/23/12 11:13	RG	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1050 mL	1 mL	33360	06/16/12 14:01	EC	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			33389	06/16/12 20:52	CN	TAL IRV
Total/NA	Prep	3510C			1040 mL	1 mL	33793	06/19/12 11:29	KW	TAL IRV
Total/NA	Analysis	8015B		1			33923	06/20/12 08:44	ES	TAL IRV

Client Sample ID: MW-11

Date Collected: 06/13/12 10:25
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-7
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	33956	06/20/12 16:36	SS	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	34674	06/23/12 11:41	RG	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1055 mL	1 mL	33360	06/16/12 14:01	EC	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			33389	06/16/12 21:15	CN	TAL IRV
Total/NA	Prep	3510C			1050 mL	1 mL	33793	06/19/12 11:29	KW	TAL IRV
Total/NA	Analysis	8015B		1			33923	06/20/12 09:04	ES	TAL IRV

Client Sample ID: MW-12

Date Collected: 06/13/12 10:40
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-8
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	34218	06/21/12 04:04	YK	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	34944	06/25/12 17:16	RG	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1060 mL	1 mL	33360	06/16/12 14:01	EC	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			33389	06/16/12 21:39	CN	TAL IRV
Total/NA	Prep	3510C			1050 mL	1 mL	33793	06/19/12 11:29	KW	TAL IRV
Total/NA	Analysis	8015B		1			33923	06/20/12 09:46	ES	TAL IRV

Lab Chronicle

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

TestAmerica Job ID: 440-14875-1

Client Sample ID: TB-20120613
Date Collected: 06/13/12 08:00
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14875-9
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	34218	06/21/12 04:35	YK	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	34674	06/22/12 22:15	RG	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 440-33721/5
Matrix: Water
Analysis Batch: 33721

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			06/19/12 11:21	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			06/19/12 11:21	1
Ethanol	ND		150		ug/L			06/19/12 11:21	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			06/19/12 11:21	1
Ethylbenzene	ND		0.50		ug/L			06/19/12 11:21	1
m,p-Xylene	ND		1.0		ug/L			06/19/12 11:21	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/19/12 11:21	1
o-Xylene	ND		0.50		ug/L			06/19/12 11:21	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			06/19/12 11:21	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/19/12 11:21	1
Toluene	ND		0.50		ug/L			06/19/12 11:21	1
Xylenes, Total	ND		1.0		ug/L			06/19/12 11:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*20 - 180*		*06/19/18 11781*	*1*
: 3bromofluoromeDt ne (Surr)	*90*		*20 - 180*		*06/19/18 11781*	*1*
holuene-a2 (Surr)	*100*		*20 - 180*		*06/19/18 11781*	*1*

Lab Sample ID: LCS 440-33721/10
Matrix: Water
Analysis Batch: 33721

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	24.4		ug/L		97	70 - 120
Isopropyl Ether (DIPE)	25.0	24.0		ug/L		96	60 - 135
Ethanol	250	251		ug/L		100	40 - 155
Ethyl-t-butyl ether (ETBE)	25.0	22.4		ug/L		90	65 - 135
Ethylbenzene	25.0	25.1		ug/L		100	75 - 125
m,p-Xylene	50.0	49.5		ug/L		99	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	24.1		ug/L		96	60 - 135
o-Xylene	25.0	25.3		ug/L		101	75 - 125
Tert-amyl-methyl ether (TAME)	25.0	25.1		ug/L		100	60 - 135
tert-Butyl alcohol (TBA)	125	149		ug/L		119	70 - 135
Toluene	25.0	25.4		ug/L		102	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*20 - 180*
: 3bromofluoromeDt ne (Surr)	*90*		*20 - 180*
holuene-a2 (Surr)	*108*		*20 - 180*

Lab Sample ID: 440-14314-A-4 MS
Matrix: Water
Analysis Batch: 33721

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	21.7		ug/L		87	65 - 125
Isopropyl Ether (DIPE)	ND		25.0	20.8		ug/L		83	60 - 140
Ethanol	ND		250	219		ug/L		88	40 - 155
Ethyl-t-butyl ether (ETBE)	ND		25.0	20.2		ug/L		81	60 - 135

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

Lab Sample ID: 440-14314-A-4 MS
Matrix: Water
Analysis Batch: 33721

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
Ethylbenzene	ND		25.0	22.6		ug/L		90	65 - 130
m,p-Xylene	ND		50.0	46.0		ug/L		92	65 - 130
Methyl-t-Butyl Ether (MTBE)	ND		25.0	21.8		ug/L		87	55 - 145
o-Xylene	ND		25.0	24.5		ug/L		98	65 - 125
Tert-amyl-methyl ether (TAME)	ND		25.0	22.0		ug/L		88	60 - 140
tert-Butyl alcohol (TBA)	ND		125	129		ug/L		103	65 - 140
Toluene	ND		25.0	24.1		ug/L		96	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*20 - 180*
: 3bromofluoromeDt ne (Surr)	*90*		*20 - 180*
holuene-a2 (Surr)	*104*		*20 - 180*

Lab Sample ID: 440-14314-A-4 MSD
Matrix: Water
Analysis Batch: 33721

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	24.2		ug/L		97	65 - 125	11	20
Isopropyl Ether (DIPE)	ND		25.0	23.7		ug/L		95	60 - 140	13	25
Ethanol	ND		250	233		ug/L		93	40 - 155	6	30
Ethyl-t-butyl ether (ETBE)	ND		25.0	22.7		ug/L		91	60 - 135	12	25
Ethylbenzene	ND		25.0	25.3		ug/L		101	65 - 130	11	20
m,p-Xylene	ND		50.0	49.4		ug/L		99	65 - 130	7	25
Methyl-t-Butyl Ether (MTBE)	ND		25.0	24.5		ug/L		98	55 - 145	12	25
o-Xylene	ND		25.0	25.9		ug/L		103	65 - 125	5	20
Tert-amyl-methyl ether (TAME)	ND		25.0	25.6		ug/L		103	60 - 140	15	30
tert-Butyl alcohol (TBA)	ND		125	135		ug/L		108	65 - 140	5	25
Toluene	ND		25.0	25.2		ug/L		101	70 - 125	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*20 - 180*
: 3bromofluoromeDt ne (Surr)	*26*		*20 - 180*
holuene-a2 (Surr)	*100*		*20 - 180*

Lab Sample ID: MB 440-33956/3
Matrix: Water
Analysis Batch: 33956

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			06/20/12 08:46	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			06/20/12 08:46	1
Ethanol	ND		150		ug/L			06/20/12 08:46	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			06/20/12 08:46	1
Ethylbenzene	ND		0.50		ug/L			06/20/12 08:46	1
m,p-Xylene	ND		1.0		ug/L			06/20/12 08:46	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/20/12 08:46	1
o-Xylene	ND		0.50		ug/L			06/20/12 08:46	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			06/20/12 08:46	1

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

Lab Sample ID: MB 440-33956/3
Matrix: Water
Analysis Batch: 33956

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/20/12 08:46	1
Toluene	ND		0.50		ug/L			06/20/12 08:46	1
Xylenes, Total	ND		1.0		ug/L			06/20/12 08:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*20 - 180*		*06/80/18 02746*	*1*
: 3romofluoromeDt ne (Surr)	*10T*		*20 - 180*		*06/80/18 02746*	*1*
holuene-a2 (Surr)	*101*		*20 - 180*		*06/80/18 02746*	*1*

Lab Sample ID: LCS 440-33956/4
Matrix: Water
Analysis Batch: 33956

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	23.9		ug/L		96	70 - 120		
Isopropyl Ether (DIPE)			25.0	24.0		ug/L		96	60 - 135		
Ethanol			250	234		ug/L		94	40 - 155		
Ethyl-t-butyl ether (ETBE)			25.0	24.9		ug/L		99	65 - 135		
Ethylbenzene			25.0	26.7		ug/L		107	75 - 125		
m,p-Xylene			50.0	48.9		ug/L		98	75 - 125		
Methyl-t-Butyl Ether (MTBE)			25.0	25.7		ug/L		103	60 - 135		
o-Xylene			25.0	24.6		ug/L		99	75 - 125		
Tert-amyl-methyl ether (TAME)			25.0	25.1		ug/L		100	60 - 135		
tert-Butyl alcohol (TBA)			125	147		ug/L		118	70 - 135		
Toluene			25.0	26.0		ug/L		104	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*20 - 180*
: 3romofluoromeDt ne (Surr)	*10T*		*20 - 180*
holuene-a2 (Surr)	*104*		*20 - 180*

Lab Sample ID: 440-14975-D-1 MS
Matrix: Water
Analysis Batch: 33956

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	3.7		25.0	26.7		ug/L		92	65 - 125		
Isopropyl Ether (DIPE)	ND		25.0	24.6		ug/L		98	60 - 140		
Ethanol	ND		250	228		ug/L		91	40 - 155		
Ethyl-t-butyl ether (ETBE)	ND		25.0	25.0		ug/L		100	60 - 135		
Ethylbenzene	96		25.0	104	F	ug/L		32	65 - 130		
m,p-Xylene	46		50.0	90.4		ug/L		89	65 - 130		
Methyl-t-Butyl Ether (MTBE)	ND		25.0	49.7	F	ug/L		199	55 - 145		
o-Xylene	1.9		25.0	27.2		ug/L		101	65 - 125		
Tert-amyl-methyl ether (TAME)	ND		25.0	26.4		ug/L		105	60 - 140		
tert-Butyl alcohol (TBA)	700		125	815	4	ug/L		94	65 - 140		
Toluene	ND		25.0	26.0		ug/L		102	70 - 125		

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

Lab Sample ID: 440-14975-D-1 MS
Matrix: Water
Analysis Batch: 33956

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		20 - 180
1,2-Dichloroethane-d4 (Surr)	99		20 - 180
Toluene-d8 (Surr)	104		20 - 180

Lab Sample ID: 440-14975-D-1 MSD
Matrix: Water
Analysis Batch: 33956

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	3.7		25.0	27.4		ug/L		95	65 - 125	3	20
Isopropyl Ether (DIPE)	ND		25.0	23.8		ug/L		95	60 - 140	3	25
Ethanol	ND		250	209		ug/L		84	40 - 155	9	30
Ethyl-t-butyl ether (ETBE)	ND		25.0	24.7		ug/L		99	60 - 135	1	25
Ethylbenzene	96		25.0	106	F	ug/L		40	65 - 130	2	20
m,p-Xylene	46		50.0	92.4		ug/L		92	65 - 130	2	25
Methyl-t-Butyl Ether (MTBE)	ND		25.0	50.8	F	ug/L		203	55 - 145	2	25
o-Xylene	1.9		25.0	27.6		ug/L		103	65 - 125	2	20
Tert-amyl-methyl ether (TAME)	ND		25.0	26.8		ug/L		107	60 - 140	2	30
tert-Butyl alcohol (TBA)	700		125	823	4	ug/L		100	65 - 140	1	25
Toluene	ND		25.0	26.3		ug/L		103	70 - 125	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		20 - 180
1,2-Dichloroethane-d4 (Surr)	96		20 - 180
Toluene-d8 (Surr)	104		20 - 180

Lab Sample ID: MB 440-34218/4
Matrix: Water
Analysis Batch: 34218

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			06/20/12 20:59	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			06/20/12 20:59	1
Ethanol	ND		150		ug/L			06/20/12 20:59	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			06/20/12 20:59	1
Ethylbenzene	ND		0.50		ug/L			06/20/12 20:59	1
m,p-Xylene	ND		1.0		ug/L			06/20/12 20:59	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/20/12 20:59	1
o-Xylene	ND		0.50		ug/L			06/20/12 20:59	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			06/20/12 20:59	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/20/12 20:59	1
Toluene	ND		0.50		ug/L			06/20/12 20:59	1
Xylenes, Total	ND		1.0		ug/L			06/20/12 20:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		20 - 180		06/20/12 20:59	1
1,2-Dichloroethane-d4 (Surr)	106		20 - 180		06/20/12 20:59	1
Toluene-d8 (Surr)	108		20 - 180		06/20/12 20:59	1

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

Lab Sample ID: LCS 440-34218/5
Matrix: Water
Analysis Batch: 34218

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	24.0		ug/L		96	70 - 120
Isopropyl Ether (DIPE)	25.0	24.3		ug/L		97	60 - 135
Ethanol	250	207		ug/L		83	40 - 155
Ethyl-t-butyl ether (ETBE)	25.0	25.4		ug/L		102	65 - 135
Ethylbenzene	25.0	26.6		ug/L		106	75 - 125
m,p-Xylene	50.0	49.7		ug/L		99	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	27.4		ug/L		110	60 - 135
o-Xylene	25.0	25.0		ug/L		100	75 - 125
Tert-amyl-methyl ether (TAME)	25.0	26.8		ug/L		107	60 - 135
tert-Butyl alcohol (TBA)	125	136		ug/L		109	70 - 135
Toluene	25.0	25.8		ug/L		103	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*10d*		*20 - 180*
: 3bromofluoromeDt ne (Surr)	*104*		*20 - 180*
holuene-a2 (Surr)	*104*		*20 - 180*

Lab Sample ID: 440-14818-F-1 MS
Matrix: Water
Analysis Batch: 34218

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	22.8		ug/L		91	65 - 125
Isopropyl Ether (DIPE)	ND		25.0	23.7		ug/L		95	60 - 140
Ethanol	ND		250	223		ug/L		89	40 - 155
Ethyl-t-butyl ether (ETBE)	ND		25.0	25.0		ug/L		100	60 - 135
Ethylbenzene	ND		25.0	25.4		ug/L		102	65 - 130
m,p-Xylene	ND		50.0	47.7		ug/L		95	65 - 130
Methyl-t-Butyl Ether (MTBE)	ND		25.0	27.2		ug/L		109	55 - 145
o-Xylene	ND		25.0	24.2		ug/L		97	65 - 125
Tert-amyl-methyl ether (TAME)	ND		25.0	25.9		ug/L		104	60 - 140
tert-Butyl alcohol (TBA)	ND		125	136		ug/L		109	65 - 140
Toluene	ND		25.0	24.8		ug/L		99	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*10d*		*20 - 180*
: 3bromofluoromeDt ne (Surr)	*105*		*20 - 180*
holuene-a2 (Surr)	*105*		*20 - 180*

Lab Sample ID: 440-14818-F-1 MSD
Matrix: Water
Analysis Batch: 34218

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	22.2		ug/L		89	65 - 125	3	20
Isopropyl Ether (DIPE)	ND		25.0	23.5		ug/L		94	60 - 140	1	25
Ethanol	ND		250	213		ug/L		85	40 - 155	5	30
Ethyl-t-butyl ether (ETBE)	ND		25.0	24.7		ug/L		99	60 - 135	1	25
Ethylbenzene	ND		25.0	24.3		ug/L		97	65 - 130	4	20

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

Lab Sample ID: 440-14818-F-1 MSD
Matrix: Water
Analysis Batch: 34218

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
m,p-Xylene	ND		50.0	46.3		ug/L		93	65 - 130	3	25
Methyl-t-Butyl Ether (MTBE)	ND		25.0	27.6		ug/L		110	55 - 145	2	25
o-Xylene	ND		25.0	23.4		ug/L		94	65 - 125	3	20
Tert-amyl-methyl ether (TAME)	ND		25.0	26.7		ug/L		107	60 - 140	3	30
tert-Butyl alcohol (TBA)	ND		125	131		ug/L		105	65 - 140	3	25
Toluene	ND		25.0	23.9		ug/L		95	70 - 125	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*20 - 180*
1,2-Dichloroethane-d4 (Surr)	*104*		*20 - 180*
Toluene-d8 (Surr)	*105*		*20 - 180*

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

Lab Sample ID: MB 440-34674/4
Matrix: Water
Analysis Batch: 34674

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50		ug/L			06/22/12 19:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*6d - 140*		*06/22/12 19:52*	*1*

Lab Sample ID: LCS 440-34674/2
Matrix: Water
Analysis Batch: 34674

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			800	812		ug/L		101	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*6d - 140*

Lab Sample ID: 440-14867-A-2 MS
Matrix: Water
Analysis Batch: 34674

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		
GRO (C4-C12)	ND		800	777		ug/L		97	65 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*6d - 140*

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

Lab Sample ID: 440-14867-A-2 MSD
Matrix: Water
Analysis Batch: 34674

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
GRO (C4-C12)	ND		800	780		ug/L		97	65 - 140	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*6d - 140*

Lab Sample ID: MB 440-34944/3
Matrix: Water
Analysis Batch: 34944

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50		ug/L			06/25/12 12:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*6d - 140*		*06/8d/18 1874d*	*1*

Lab Sample ID: LCS 440-34944/2
Matrix: Water
Analysis Batch: 34944

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			800	841		ug/L		105	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*T1*		*6d - 140*

Lab Sample ID: 440-15134-A-2 MS
Matrix: Water
Analysis Batch: 34944

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		
GRO (C4-C12)	ND		800	841		ug/L		99	65 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*6d - 140*

Lab Sample ID: 440-15134-A-2 MSD
Matrix: Water
Analysis Batch: 34944

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
GRO (C4-C12)	ND		800	824		ug/L		97	65 - 140	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*10d*		*6d - 140*

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

Lab Sample ID: MB 440-33793/1-A
Matrix: Water
Analysis Batch: 33923

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	ND		0.050		mg/L		06/19/12 11:29	06/19/12 20:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*28*		*4d - 180*	*06/19/12 11:29*	*06/19/12 20:54*	*1*

Lab Sample ID: LCS 440-33793/2-A
Matrix: Water
Analysis Batch: 33923

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
EFH (C10-C28)	1.00	0.794		mg/L		79	40 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*24*		*4d - 180*

Lab Sample ID: LCSD 440-33793/3-A
Matrix: Water
Analysis Batch: 33923

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33793

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
EFH (C10-C28)	1.00	0.803		mg/L		80	40 - 115	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane	*2d*		*4d - 180*

Lab Sample ID: MB 440-33360/1-A
Matrix: Water
Analysis Batch: 33388

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 33360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C28)	ND		0.050		mg/L		06/16/12 14:01	06/16/12 18:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*T0*		*4d - 180*	*06/16/18 14:01*	*06/16/18 12:54*	*1*

Lab Sample ID: LCS 440-33360/2-A
Matrix: Water
Analysis Batch: 33388

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 33360

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
EFH (C10-C28)	1.00	0.717		mg/L		72	40 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*T0*		*4d - 180*

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

TestAmerica Job ID: 440-14875-1

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

Lab Sample ID: LCSD 440-33360/3-A
Matrix: Water
Analysis Batch: 33388

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 33360

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
EFH (C10-C28)			1.00	0.631		mg/L		63	40 - 115	13	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane	*65*		*40 - 180*

GC/MS VOA

Analysis Batch: 33721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14314-A-4 MS	Matrix Spike	Total/NA	Water	8260B	
440-14314-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
440-14875-1	MW-4	Total/NA	Water	8260B	
440-14875-2	MW-5B	Total/NA	Water	8260B	
440-14875-3	MW-6	Total/NA	Water	8260B	
440-14875-4	MW-7	Total/NA	Water	8260B	
LCS 440-33721/10	Lab Control Sample	Total/NA	Water	8260B	
MB 440-33721/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 33956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14875-5	MW-9	Total/NA	Water	8260B	
440-14875-6	MW-10	Total/NA	Water	8260B	
440-14875-7	MW-11	Total/NA	Water	8260B	
440-14975-D-1 MS	Matrix Spike	Total/NA	Water	8260B	
440-14975-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 440-33956/4	Lab Control Sample	Total/NA	Water	8260B	
MB 440-33956/3	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 34218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14818-F-1 MS	Matrix Spike	Total/NA	Water	8260B	
440-14818-F-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
440-14875-8	MW-12	Total/NA	Water	8260B	
440-14875-9	TB-20120613	Total/NA	Water	8260B	
LCS 440-34218/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-34218/4	Method Blank	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 34674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14867-A-2 MS	Matrix Spike	Total/NA	Water	8015B	
440-14867-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	
440-14875-1	MW-4	Total/NA	Water	8015B	
440-14875-2	MW-5B	Total/NA	Water	8015B	
440-14875-3	MW-6	Total/NA	Water	8015B	
440-14875-4	MW-7	Total/NA	Water	8015B	
440-14875-5	MW-9	Total/NA	Water	8015B	
440-14875-6	MW-10	Total/NA	Water	8015B	
440-14875-7	MW-11	Total/NA	Water	8015B	
440-14875-9	TB-20120613	Total/NA	Water	8015B	
LCS 440-34674/2	Lab Control Sample	Total/NA	Water	8015B	
MB 440-34674/4	Method Blank	Total/NA	Water	8015B	

Analysis Batch: 34944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14875-8	MW-12	Total/NA	Water	8015B	
440-15134-A-2 MS	Matrix Spike	Total/NA	Water	8015B	
440-15134-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	
LCS 440-34944/2	Lab Control Sample	Total/NA	Water	8015B	
MB 440-34944/3	Method Blank	Total/NA	Water	8015B	

GC Semi VOA

Prep Batch: 33360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14875-1	MW-4	Silica Gel Cleanup	Water	3510C SGC	
440-14875-2	MW-5B	Silica Gel Cleanup	Water	3510C SGC	
440-14875-3	MW-6	Silica Gel Cleanup	Water	3510C SGC	
440-14875-4	MW-7	Silica Gel Cleanup	Water	3510C SGC	
440-14875-5	MW-9	Silica Gel Cleanup	Water	3510C SGC	
440-14875-6	MW-10	Silica Gel Cleanup	Water	3510C SGC	
440-14875-7	MW-11	Silica Gel Cleanup	Water	3510C SGC	
440-14875-8	MW-12	Silica Gel Cleanup	Water	3510C SGC	
LCS 440-33360/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 440-33360/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 440-33360/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 33388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-33360/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	33360
LCSD 440-33360/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	33360
MB 440-33360/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	33360

Analysis Batch: 33389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14875-1	MW-4	Silica Gel Cleanup	Water	8015B	33360
440-14875-2	MW-5B	Silica Gel Cleanup	Water	8015B	33360
440-14875-3	MW-6	Silica Gel Cleanup	Water	8015B	33360
440-14875-4	MW-7	Silica Gel Cleanup	Water	8015B	33360
440-14875-5	MW-9	Silica Gel Cleanup	Water	8015B	33360
440-14875-6	MW-10	Silica Gel Cleanup	Water	8015B	33360
440-14875-7	MW-11	Silica Gel Cleanup	Water	8015B	33360
440-14875-8	MW-12	Silica Gel Cleanup	Water	8015B	33360

Prep Batch: 33793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14875-1	MW-4	Total/NA	Water	3510C	
440-14875-2	MW-5B	Total/NA	Water	3510C	
440-14875-3	MW-6	Total/NA	Water	3510C	
440-14875-4	MW-7	Total/NA	Water	3510C	
440-14875-5	MW-9	Total/NA	Water	3510C	
440-14875-6	MW-10	Total/NA	Water	3510C	
440-14875-7	MW-11	Total/NA	Water	3510C	
440-14875-8	MW-12	Total/NA	Water	3510C	
LCS 440-33793/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 440-33793/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 440-33793/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 33923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14875-1	MW-4	Total/NA	Water	8015B	33793
440-14875-2	MW-5B	Total/NA	Water	8015B	33793
440-14875-3	MW-6	Total/NA	Water	8015B	33793
440-14875-4	MW-7	Total/NA	Water	8015B	33793
440-14875-5	MW-9	Total/NA	Water	8015B	33793
440-14875-6	MW-10	Total/NA	Water	8015B	33793
440-14875-7	MW-11	Total/NA	Water	8015B	33793

GC Semi VOA (Continued)

Analysis Batch: 33923 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14875-8	MW-12	Total/NA	Water	8015B	33793
LCS 440-33793/2-A	Lab Control Sample	Total/NA	Water	8015B	33793
LCSD 440-33793/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	33793
MB 440-33793/1-A	Method Blank	Total/NA	Water	8015B	33793

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

TestAmerica Job ID: 440-14875-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

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
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
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: 440-14875-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Irvine	Arizona	State Program	9	AZ0671
TestAmerica Irvine	California	LA Cty Sanitation Districts	9	10256
TestAmerica Irvine	California	NELAC	9	1108CA
TestAmerica Irvine	California	State Program	9	2706
TestAmerica Irvine	Guam	State Program	9	Cert. No. 12.002r
TestAmerica Irvine	Hawaii	State Program	9	N/A
TestAmerica Irvine	Nevada	State Program	9	CA015312007A
TestAmerica Irvine	New Mexico	State Program	6	N/A
TestAmerica Irvine	Northern Mariana Islands	State Program	9	MP0002
TestAmerica Irvine	Oregon	NELAC	10	4005
TestAmerica Irvine	USDA	Federal		P330-09-00080

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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

Chain of Custody Record

440-114975

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Toni DeMayo	Site Contact:	Date: 6/13/12	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. 120613-PH1
Irvine, CA 92602	Calendar (C) or Work Days (W) _____			
714-508-2657 Phone	TAT if different from Below _____			SDG No.
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	6/13/12	0925	Various	W	9		X	X	X	X		X	
MW-5B		1245					X	X	X	X		X	
MW-6		1215					X	X	X	X		X	
MW-7		1115					X	X	X	X		X	
MW-9		0955					X	X	X	X		X	
MW-10		1145					X	X	X	X		X	
MW-11		1025					X	X	X	X		X	
MW-12		1040					X	X	X	X		X	
TB-20120613		0800	VOA		4		X	X					
							1,2	1,2	1	1		1	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

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	6/13/12 1530		BTS	6/13/12 1530
	BTS	6/14/12 1300		T.A.	6-14-12 13:06
6-14-12 16:30				TAI 5.4° (CS)	6/15/12 9:50

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 440-14875-1

Login Number: 14875

List Source: TestAmerica Irvine

List Number: 1

Creator: Perez, Angel

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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	
There are no discrepancies between the sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

ARCADIS

Attachment 3

Historical Groundwater 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

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)													
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

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-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	--	--	--

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-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.

STATE WATER RESOURCES CONTROL BOARD

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Report Title:	**1SA2012 EDF - 14875**
Report Type:	**Monitoring Report - Semi-Annually**
Facility Global ID:	**T0600101108**
Facility Name:	**CHEVRON #21-1283 / EXPRESS AUTO CLINIC**
File Name:	**440-14875-1_27 Jun 12 1143_EDF.zip**
Organization Name:	**ARCADIS US**
Username:	**RKANDRESEN**
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Submittal Type:	**GEO_WELL**
Report Title:	**1SA2012 GEO WELL**
Facility Global ID:	**T0600101108**
Facility Name:	**CHEVRON #21-1283 / EXPRESS AUTO CLINIC**
File Name:	**GEO_WELL.zip**
Organization Name:	**ARCADIS US**
Username:	**RKANDRESEN**
IP Address:	**216.207.98.101**
Submittal Date/Time:	**8/8/2012 12:27:15 PM**
Confirmation Number:	**3438474535**