Timothy L. Bishop, P.G.
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
Suite 5213
San Ramon, CA 94583
Tel (925) 790-6463
TimBishop@chevron.com

April 4, 2014

Mr. Keith Nowell
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RE: First Quarter 2014 Groundwater Monitoring Report
1629 Webster Street, Alameda, California
Fuel Leak Case No.: RO0000450

Dear Mr. Nowell,

I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please contact me at (925) 790-6463.

Sincerely,

Timothy Bishop
Union Oil of California – Project Manager

Attachment
First Quarter 2014 Groundwater Monitoring Report

ARCADIS U.S., Inc.
2000 Powell Street
7th Floor
Emeryville
California 94608
Tel 510.652.4500
Fax 510.652.4906
www.arcadis-us.com

Mr. Keith Nowell
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject:
First Quarter 2014 Groundwater Monitoring Report

ENVIRONMENT

Dear Mr. Nowell:

On behalf of Chevron Environmental Management Company's affiliate, Union Oil Company of California ("Union Oil"), ARCADIS is submitting the enclosed Quarterly Groundwater Monitoring Report for the following facility:

Facility No.	**Case No.**	**Location**
0843	RO0000450	1629 Webster Street Alameda, California

If you have any questions or comments regarding the contents of this document, please contact Mr. Tim Bishop of Chevron at 925.790.6463 or by e-mail at TimBishop@Chevron.com. Alternatively, you may contact Katherine Brandt of ARCADIS at 510.596.9675 or by e-mail at Katherine.Brandt@arcadis-us.com.

Date:
April 4, 2014

Contact:
Katherine Brandt

Phone:
510.596.9675

Email:
Katherine.Brandt@arcadis-us.com

Our ref:
B0047584.2014

Sincerely,

ARCADIS

Katherine Brandt, P.G.,
Certified Project Manager

Jacob Henry, P.G.,
Project Geologist

PROFESSIONAL GEOLOGIST
JACOB T. HENRY
No. 8504
Exp. 12/31/2015
STATE OF CALIFORNIA

Copies:
Mr. Tim Bishop – Chevron (electronic copy only)
Ms. Cherie McCaulou, CRWQCB – San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, California 94612 (Geotracker)
Mr. Sam and Michelle Koka, 802 Pacific Avenue, Alameda, CA 94501

UNION OIL OF CALIFORNIA
QUARTERLY MONITORING REPORT
FIRST QUARTER 2014
April 4, 2014

Facility No.: 0843 Address: 1629 Webster Street, Alameda, California

Consulting Company/Contact Person/Phone No.:	ARCADIS / Katherine Brandt / 510.596.9675
Primary Agency/Contact Person/Regulatory ID No.:	Alameda County Department of Environmental Health (ACEH) / Mr. Keith Nowell Case No. RO0000450

WORK PERFORMED DURING THIS REPORTING PERIOD (First Quarter – 2014) :

1. Gettler-Ryan Inc. (G-R), conducted groundwater monitoring and sampling on February 5, 2014. Field data sheets and general procedures are included as **Attachment A**. Twelve (12) groundwater monitoring wells were gauged during this monitoring event (MW-1, MW-1AR, MW-1BR, and MW-3 through MW-11), and nine (9) groundwater monitoring wells were sampled (MW-1AR, MW-1BR, and MW-5 through MW-11).

   Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g) by United States Environmental Protection Agency (EPA) Method 8015B; benzene, toluene, ethylbenzene, and total xylenes (BTEX, collectively), oxygenates (methyl tertiary butyl ether [MTBE], ethyl tertiary butyl ether [ETBE], di-isopropyl ether [DIPE], tertiary amyl methyl ether [TAME], tertiary butyl alcohol [TBA]), 1,2-dibromoethane (EDB), 1,2-dichloroethane (1,2-DCE or EDC), and ethanol by EPA Method 8260B. One field parameter, electrical conductivity (EC) was monitored and recorded during the sampling event.

   Monitored Natural Attenuation (MNA) parameters were not analyzed as approved in the email from Alameda County Environmental Health (ACEH) dated January 28, 2014. As discussed in the August 23, 2013 meeting with ACEH, groundwater monitoring wells are separated based on screen interval and zone. The site location map, the site plan, and the groundwater contour maps are presented on **Figures 1** through **4**. Concentration maps for TPH-g, benzene, and MTBE are on **Figures 5** through **8**. Current Groundwater Gauging and Analytical Results are summarized in **Table 1**, Current Additional Groundwater Analytical Results are summarized in **Table 1a**, Historic Groundwater Gauging and Analytical Results are summarized in **Table 2**, Historic Additional Groundwater Analytical Results are summarized in **Table 2a**, and Historical Groundwater Results from TRC are included as **Attachment B**. A copy of the laboratory analytical report and chain-of-custody documentation is included as **Attachment C**.

WORK PROPOSED FOR THE NEXT REPORTING PERIOD (Second Quarter – 2014):

1. Perform groundwater monitoring and related reporting during second quarter 2014.

Current Phase of Project:	Groundwater – Semi-Annual
Site Use:	Vacant Lot – Planned Redevelopment
Frequency of Sampling:	Groundwater – Semi-Annual
Frequency of Monitoring:	Groundwater – Semi-Annual
Are Separate-Phase Hydrocarbons (SPH) Present On-Site:	No
Cumulative SPH Recovered to Date:	None
SPH Recovered This Quarter:	None
Bulk Soil Removed to Date:	338 tons (June 1998)
Bulk Soil Removed this Quarter:	None
Water Wells or Surface Waters within a 2,000' Radius and Their Respective Directions:	Three irrigation wells located 0.1 mile west, northwest, and southeast of the site
Groundwater Use Designation:	Irrigation
Current Remediation Techniques:	None

UNION OIL OF CALIFORNIA
QUARTERLY MONITORING REPORT
FIRST QUARTER 2014
April 4, 2014

Facility No.: 0843 Address: 1629 Webster Street, Alameda, California

Permits for Discharge (No.):	None			
Approximate Depth to Groundwater for Shallow Monitoring Wells:	7.31 (MW-5) –9.22 (MW-1) feet below top of casing Measured X Estimated			
Approximate Depth to Groundwater for Submerged Monitoring Wells:	7.95(MW-7) – 9.41(MW-1AR) feet below top of casing Measured X Estimated			
Approximate Groundwater Elevation for Shallow Monitoring Wells:	9.14 (MW-5) – 9.94 (MW-4) feet relative to mean sea level Measured X Estimated			
Approximate Groundwater Elevation for Submerged Monitoring Wells:	9.82 (MW-8) – 9.88(MW-1AR) feet relative to mean sea level Measured X Estimated			
Groundwater Gradient for Shallow Monitoring Wells:	0.004 ft/ft	(Magnitude)	Northeast	(Direction)
Groundwater Gradient for Submerged Monitoring Wells:	0.001 ft/ft	(Magnitude)	Northeast	(Direction)

UNION OIL OF CALIFORNIA
QUARTERLY MONITORING REPORT
FIRST QUARTER 2014
April 4, 2014

Facility No.: 0843 Address: 1629 Webster Street, Alameda, California

DISCUSSION:

Groundwater conditions during the first quarter 2014 remained consistent with previous quarters.

Shallow interval: The maximum dissolved concentration of MTBE (710 micrograms per liter [µg/L]) was detected in the sample collected from MW-9. TPH-g, benzene, toluene, ethylbenzene, total xylenes, TBA, TAME, ETBE, DIPE, EDB, EDC, and ethanol were not detected above the laboratory reporting limits for wells sampled.

Submerged interval: The maximum dissolved concentrations of MTBE (1,100 µg/L) was detected in the sample collected from MW-11. TPH-g, benzene, toluene, ethylbenzene, total xylenes, TBA, TAME, ETBE, DIPE, EDB, EDC, and ethanol were not detected above the laboratory reporting limits for wells sampled.

Groundwater elevations at the service station vary by approximately 0.80 feet, creating a relatively gentle hydraulic gradient of 0.001 foot per foot for the shallow interval and 0.004 foot per foot for the submerged interval. Hydraulic gradients for both intervals were in the northeast direction.

CONCLUSIONS AND RECOMMENDATIONS:

Dissolved hydrocarbon constituent concentrations have remained consistent with previous quarters. MTBE concentrations at onsite well MW-7 decreased significantly from the fourth quarter 2013 to the first quarter 2014, from 1,400 µg/L to 1.5 µg/L.

ARCADIS will complete a groundwater field investigation to delineate the offsite MTBE detections in MW-5 and MW-6. A work plan to complete well destructions for all onsite wells was submitted to ACEH on February 21, 2014. Once redevelopment is scheduled, ARCADIS will implement the well destructions and the semi-annual sampling will only be continued on the offsite well locations MW-5 and MW-6.

ATTACHMENTS:

Figure 1: Site Location Map
Figure 2: Site Plan
Figure 3: Shallow Zone Groundwater Contour Map
Figure 4: Submerged Zone Groundwater Contour Map
Figure 5: TPH-g Concentration Map
Figure 6: Benzene Concentration Map
Figure 7: Shallow Zone MTBE Concentration Map
Figure 8: Submerged Zone MTBE Concentration Map

Table 1: Current Groundwater Gauging and Analytical Results
Table 1a: Current Additional Groundwater Analytical Results
Table 2: Historic Groundwater Gauging and Analytical Results
Table 2a: Historic Additional Groundwater Analytical Results

Attachment A: Field Data Sheets and General Procedures
Attachment B: Historical Groundwater Results from TRC
Attachment C: Laboratory Report and Chain-of-Custody Documentation

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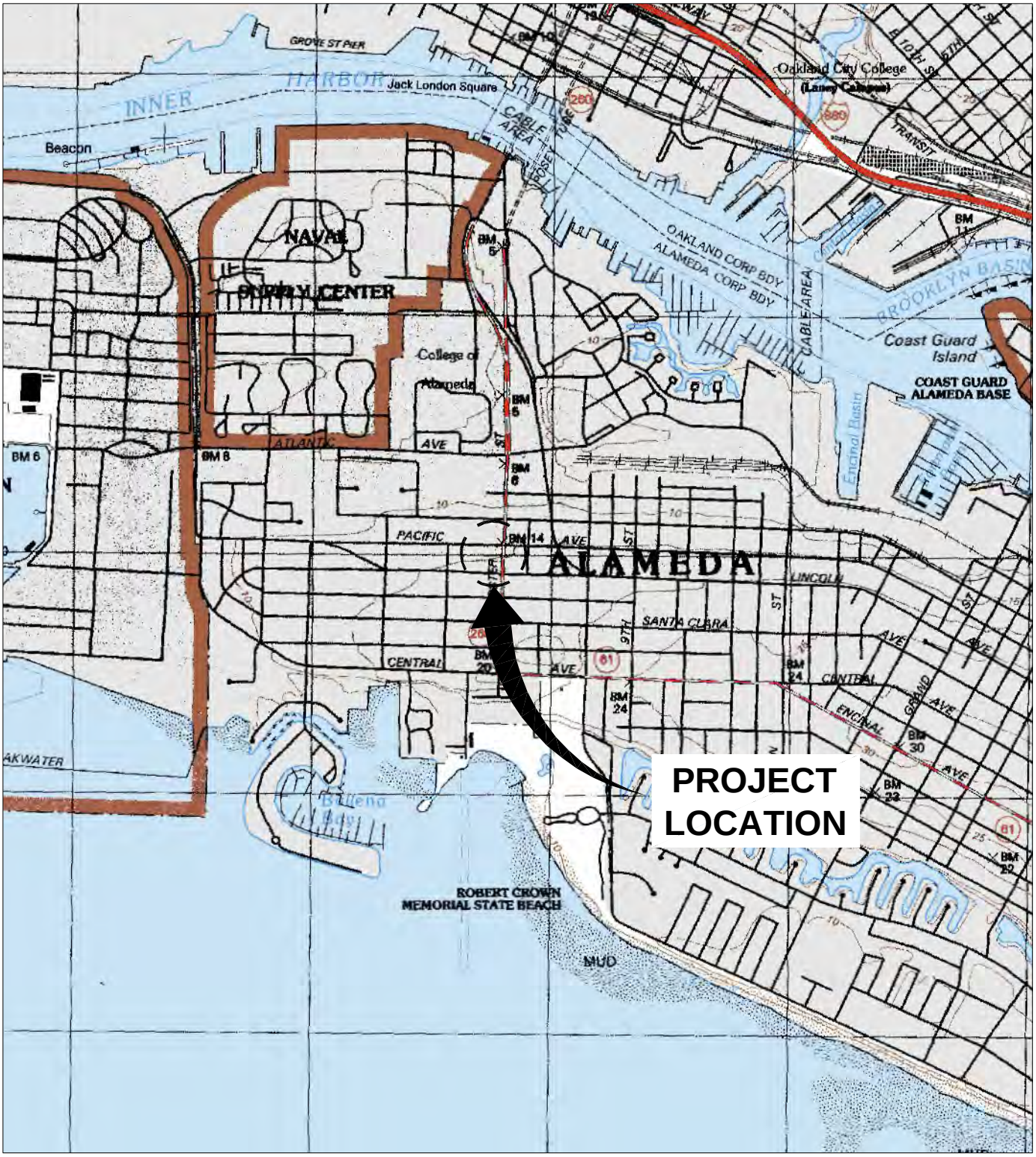
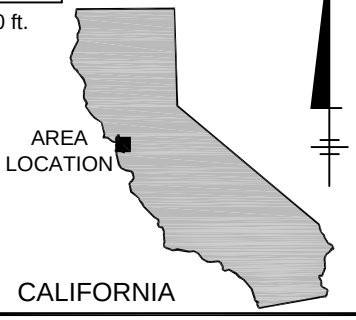
Figures



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

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.



UNION OIL
FORMER FACILITY NO. 0843
1629 WEBSTER STREET
ALAMEDA, CALIFORNIA

SITE LOCATION MAP

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FIGURE
1

CITY: PETALUMA, CA DIV/GROUP: ENV DB: J. HARRIS LD: J. HARRIS PIC: J. VOGELEY PM: K. ABBOTT TM: K. ABBOTT LYR:(On)ON=*;OFF=*REF*
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Oakland West.jpg

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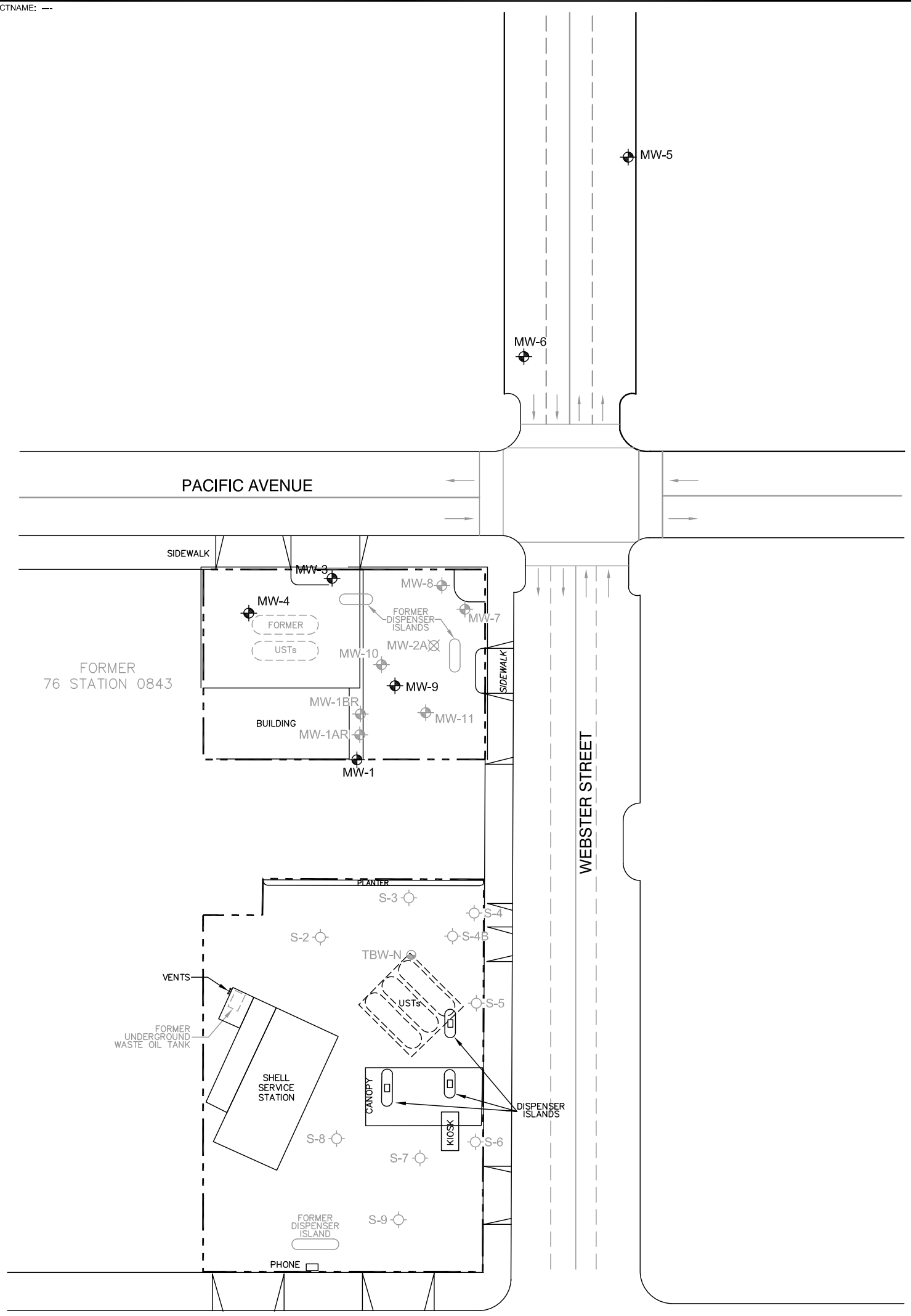

LEGEND

- PROPERTY BOUNDARY
- MW-1 FORMER 76 STATION SHALLOW ZONE MONITORING WELL
- MW-1AR FORMER 76 STATION SUBMERGED ZONE MONITORING WELL
- S-9 SHELL SERVICE STATION MONITORING WELL
- TBW-N SHELL TANK BACKFILL MONITORING WELL
- MW-2A ABANDONED WELL

0 50' 100'
GRAPHIC SCALE

NOTES:

1. BASE MAP PROVIDED BY TRC, DATED AUGUST 2010, AT A SCALE OF 1"=60'. SHELL SERVICE STATION DATA PROVIDED BY CRA.
2. LL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. THE ADJACENT SHELL SITE HAS RECEIVED CLOSURE AND WILL NO LONGER BE SAMPLED.

UNION OIL
FORMER FACILITY NO. 0843
1629 WEBSTER STREET
ALAMEDA, CALIFORNIA

SITE PLAN

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FIGURE
2

CITY: SAN RAFAEL, CA (PETALUMA) DIV/GROUP: ENVCAD DB: J. HARRIS, J. LOVING, J. HARRIS
C:\Users\jharris\Desktop\ENVCAD\B0047584\2014\00002\1Q14\DWG\47584W01.dwg LAYOUT: 3 SAVED: 3/20/2014 12:57 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: SETUP1 PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 3/20/2014 1:07 PM BY: HARRIS, JESSICA
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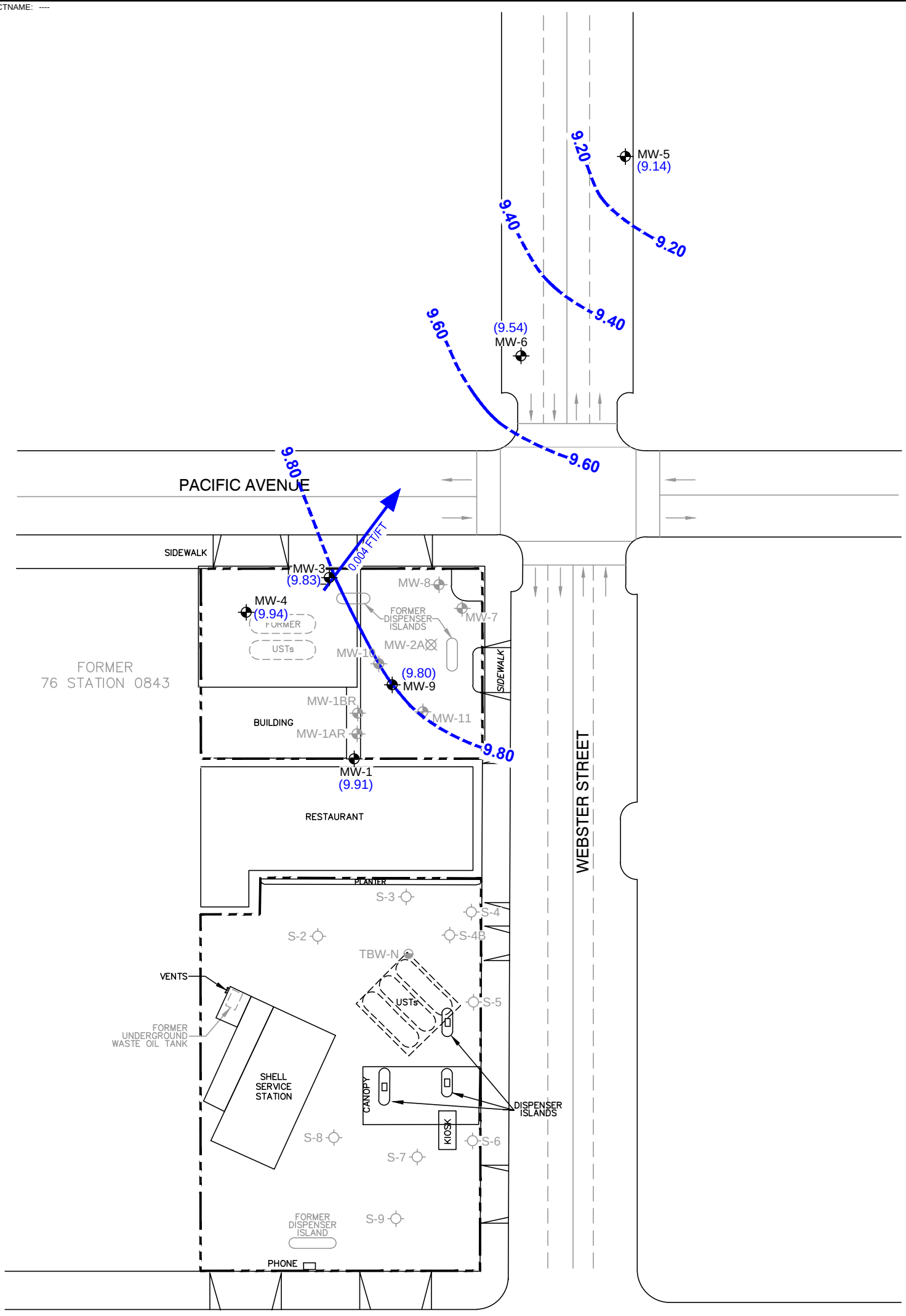

LEGEND

- PROPERTY BOUNDARY
- MW-1 — FORMER 76 STATION SHALLOW ZONE MONITORING WELL
- MW-1AR — FORMER 76 STATION SUBMERGED ZONE MONITORING WELL
- S-9 — SHELL SERVICE STATION MONITORING WELL
- TBW-N — SHELL TANK BACKFILL MONITORING WELL
- MW-2A — ABANDONED WELL
- (9.80) — GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL (FT MSL)
- 9.80 — GROUNDWATER ELEVATION CONTOUR (FT MSL; DASHED WHERE INFERRED)
- 0.004 FT/FT — APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FOOT PER FOOT)

0 50' 100'
GRAPHIC SCALE

NOTES:

1. BASE MAP PROVIDED BY TRC, DATED AUGUST 2010, AT A SCALE OF 1"=60'. SHELL SERVICE STATION DATA PROVIDED BY CRA.
2. LL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. THE ADJACENT SHELL SITE HAS RECEIVED CLOSURE AND WILL NO LONGER BE SAMPLED.

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SHALLOW ZONE GROUNDWATER ELEVATION CONTOUR MAP FEBRUARY 5, 2014

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FIGURE
3

CITY: SAN RAFAEL, CA (PETALUMA) DIV/GROUP: ENVCAD DB: J. HARRIS, J. LOVING, J. HARRIS
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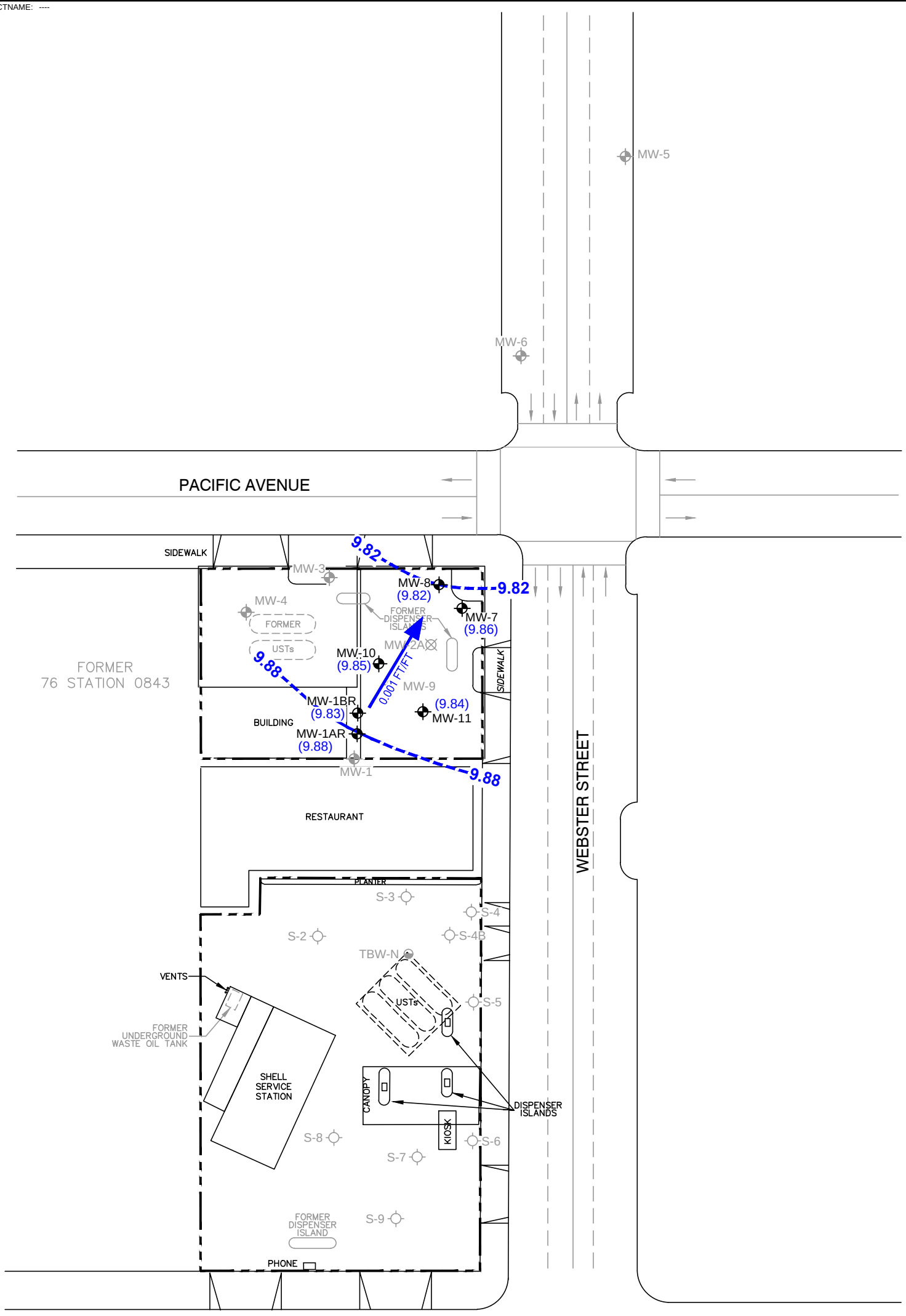

LEGEND

- PROPERTY BOUNDARY
- MW-1 FORMER 76 STATION SHALLOW ZONE MONITORING WELL
- MW-1AR FORMER 76 STATION SUBMERGED ZONE MONITORING WELL
- S-9 SHELL SERVICE STATION MONITORING WELL
- TBW-N SHELL TANK BACKFILL MONITORING WELL
- MW-2A ABANDONED WELL
- (9.88) GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL (FT MSL)
- 9.88 GROUNDWATER ELEVATION CONTOUR (FT MSL; DASHED WHERE INFERRED)
- 0.001 FT/FT APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FOOT PER FOOT)
- * NOT USED FOR CONTOURING; SHORT SCREEN INTERVAL; DIFFERENT CONSTRUCTION

0 50' 100'
GRAPHIC SCALE

NOTES:

1. BASE MAP PROVIDED BY TRC, DATED AUGUST 2010, AT A SCALE OF 1"=60'. SHELL SERVICE STATION DATA PROVIDED BY CRA.
2. LL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. THE ADJACENT SHELL SITE HAS RECEIVED CLOSURE AND WILL NO LONGER BE SAMPLED.

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ALAMEDA, CALIFORNIA

SUBMERGED ZONE GROUNDWATER ELEVATION CONTOUR MAP FEBRUARY 5, 2014

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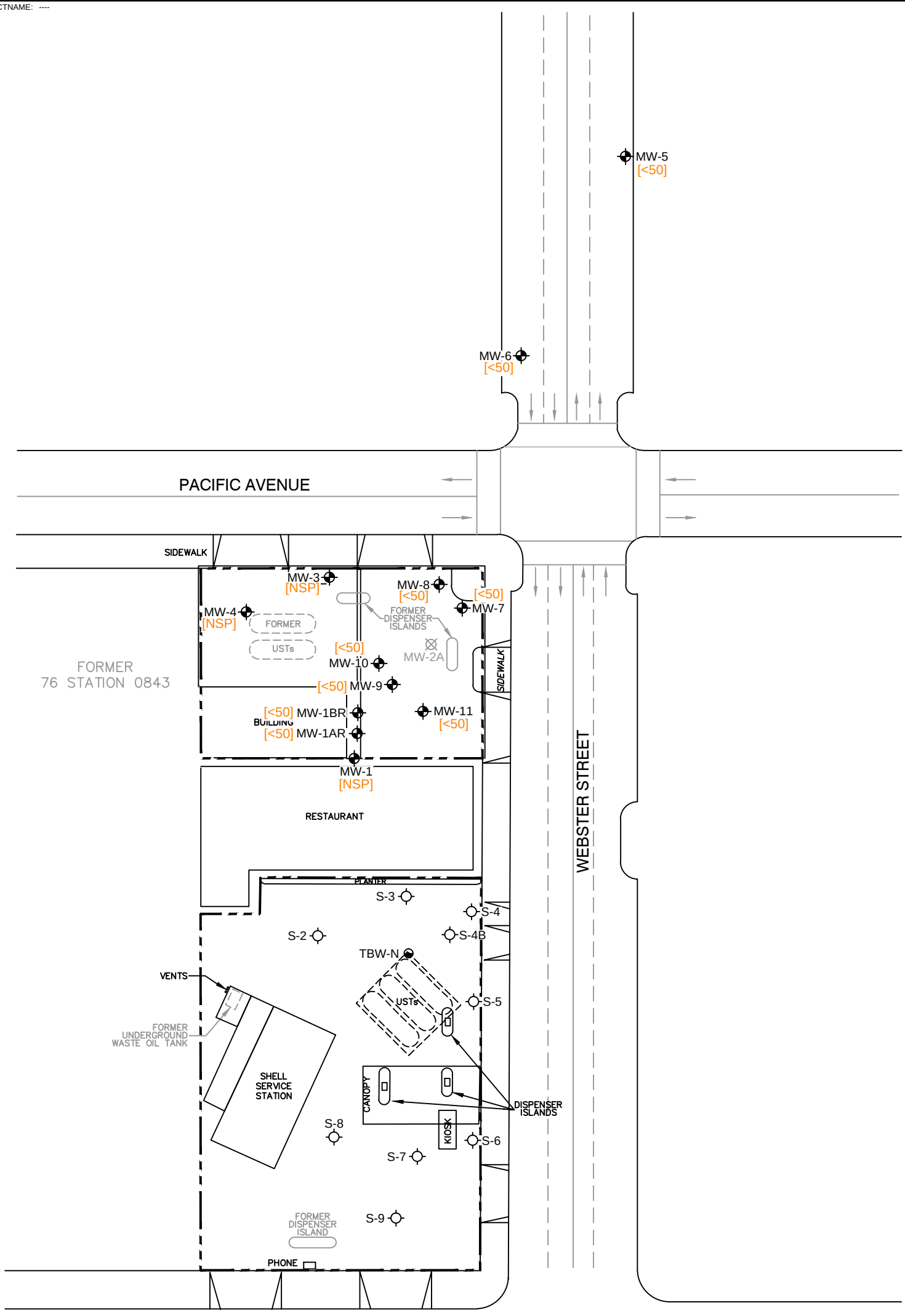
FIGURE
4



LEGEND

———	PROPERTY BOUNDARY
MW-1	FORMER 76 STATION MONITORING WELL
S-9	SHELL SERVICE STATION MONITORING WELL
TBW-N	SHELL TANK BACKFILL MONITORING WELL
MW-2A	ABANDONED WELL
[TPH-g]	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (C4-C12) CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
<	DENOTES LESS THAN LABORATORY REPORTING LIMIT
[NSP]	NOT SAMPLED THIS EVENT IN ACCORDANCE WITH GROUNDWATER SAMPLING SCHEDULE

NOTES:

1. BASE MAP PROVIDED BY TRC, DATED AUGUST 2010, AT A SCALE OF 1"=60'. SHELL SERVICE STATION DATA PROVIDED BY CRA.
2. LL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. THE ADJACENT SHELL SITE HAS RECEIVED CLOSURE AND WILL NO LONGER BE SAMPLED.

0 50' 100'
GRAPHIC SCALE

UNION OIL
FORMER FACILITY NO. 0843
1629 WEBSTER STREET
ALAMEDA, CALIFORNIA

TPH-g CONCENTRATION MAP
FEBRUARY 5, 2014

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FIGURE
5

CITY: SAN RAFAEL, CA (PETALUMA) DIV/GROUP: ENVCAD DB: J. HARRIS, J. LOVING, J. HARRIS
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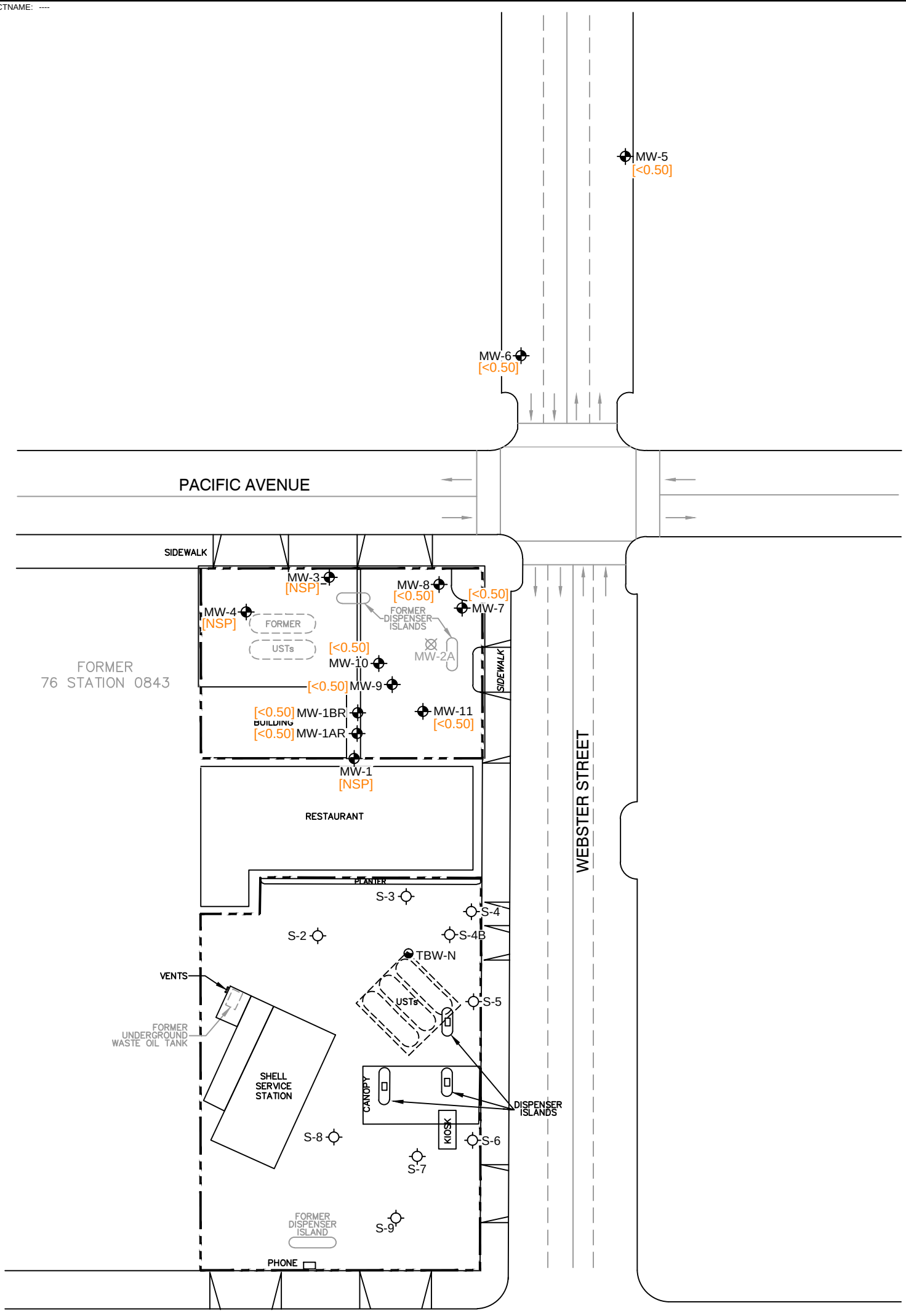

LEGEND

	PROPERTY BOUNDARY
MW-1	FORMER 76 STATION MONITORING WELL
S-9	SHELL SERVICE STATION MONITORING WELL
TBW-N	SHELL TANK BACKFILL MONITORING WELL
MW-2A	ABANDONED WELL
[BENZ]	BENZENE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
<	DENOTES LESS THAN LABORATORY REPORTING LIMIT
[NSP]	WELL NOT SAMPLED THIS EVENT IN ACCORDANCE WITH GROUNDWATER SAMPLING SCHEDULE

0 50’ 100’
GRAPHIC SCALE

NOTES:

1. BASE MAP PROVIDED BY TRC, DATED AUGUST 2010, AT A SCALE OF 1"=60'. SHELL SERVICE STATION DATA PROVIDED BY CRA.
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1629 WEBSTER STREET
ALAMEDA, CALIFORNIA

BENZENE CONCENTRATION MAP
FEBRUARY 5, 2014

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FIGURE
6

CITY: SAN RAFAEL, CA (PETALUMA) DIV/GROUP: ENVCAD DB: J. HARRIS, J. LOVING, J. HARRIS
C:\Users\jharris\Desktop\ENVCAD\B0047584\2014\00002\1Q14\DWG\47584C03.dwg LAYOUT: 7 SAVED: 3/20/2014 2:40 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: SETUP1 PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 3/20/2014 2:55 PM BY: HARRIS, JESSICA
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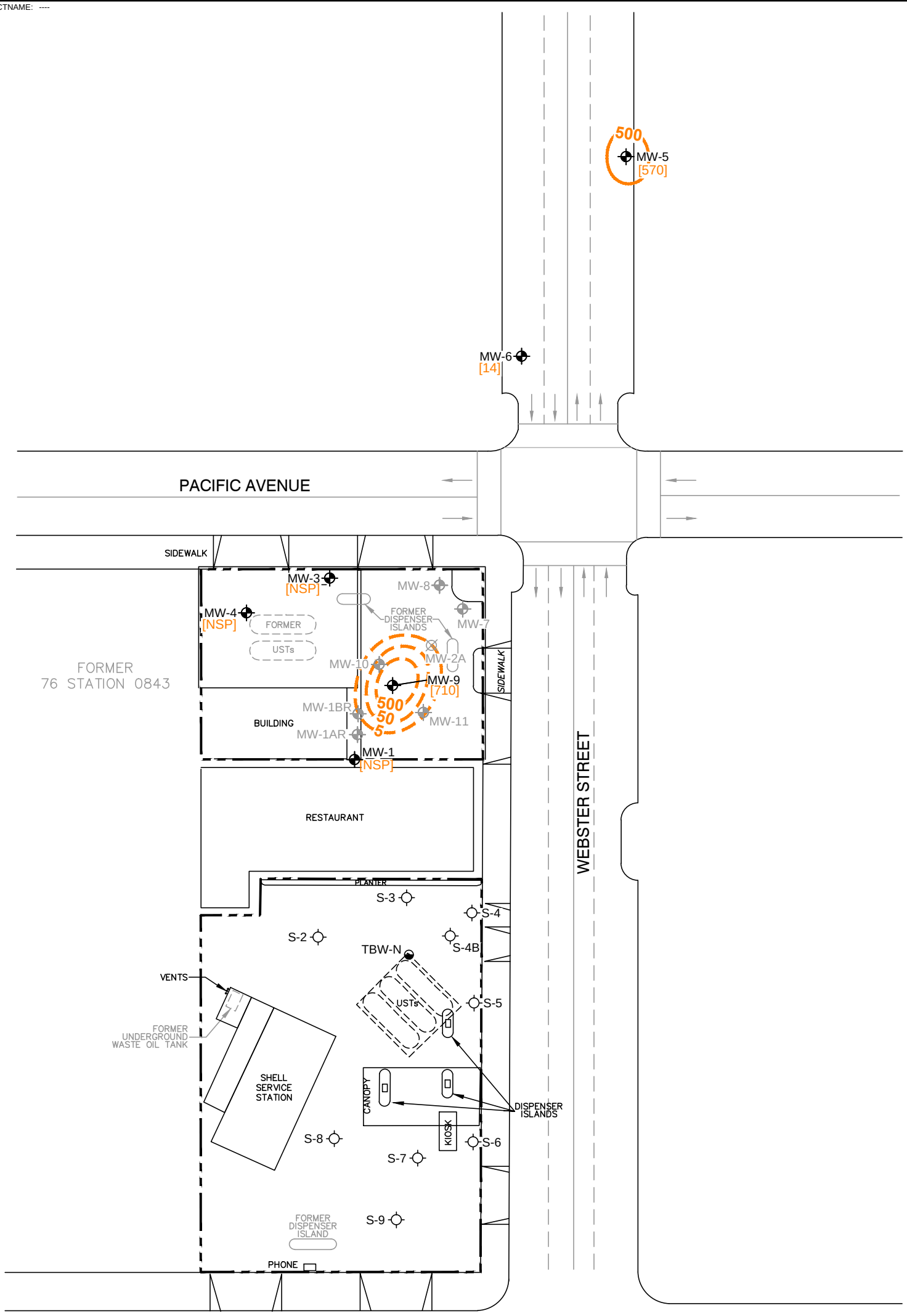

LEGEND

- PROPERTY BOUNDARY
- MW-1 FORMER 76 STATION SHALLOW ZONE MONITORING WELL
- MW-1AR FORMER 76 STATION SUBMERGED ZONE MONITORING WELL
- S-9 SHELL SERVICE STATION MONITORING WELL
- TBW-N SHELL TANK BACKFILL MONITORING WELL
- MW-2A ABANDONED WELL
- [MTBE] METHYL TERTIARY BUTYL ETHER CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- 50 MTBE ISOCONCENTRATION CONTOUR (µg/L; DASHED WHERE INFERRED)
- < DENOTES LESS THAN LABORATORY REPORTING LIMIT
- [NSP] WELL NOT SAMPLED THIS EVENT IN ACCORDANCE WITH GROUNDWATER SAMPLING SCHEDULE

NOTES:

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3. THE ADJACENT SHELL SITE HAS RECEIVED CLOSURE AND WILL NO LONGER BE SAMPLED.

0 50' 100'
GRAPHIC SCALE

UNION OIL
FORMER FACILITY NO. 0843
1629 WEBSTER STREET
ALAMEDA, CALIFORNIA

MTBE SHALLOW ZONE WELL CONCENTRATION MAP FEBRUARY 5, 2014

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FIGURE
7

CITY: SAN RAFAEL, CA (PETALUMA) DIV/GROUP: ENVCAD DB: J. HARRIS, J. LOVING, J. HARRIS
C:\Users\jharris\Desktop\ENVCAD\B0047584\2014\00002\1Q14\DWG\47584C03.dwg LAYOUT: 8 SAVED: 3/20/2014 2:56 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: SETUP1 PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 3/20/2014 2:56 PM BY: HARRIS, JESSICA
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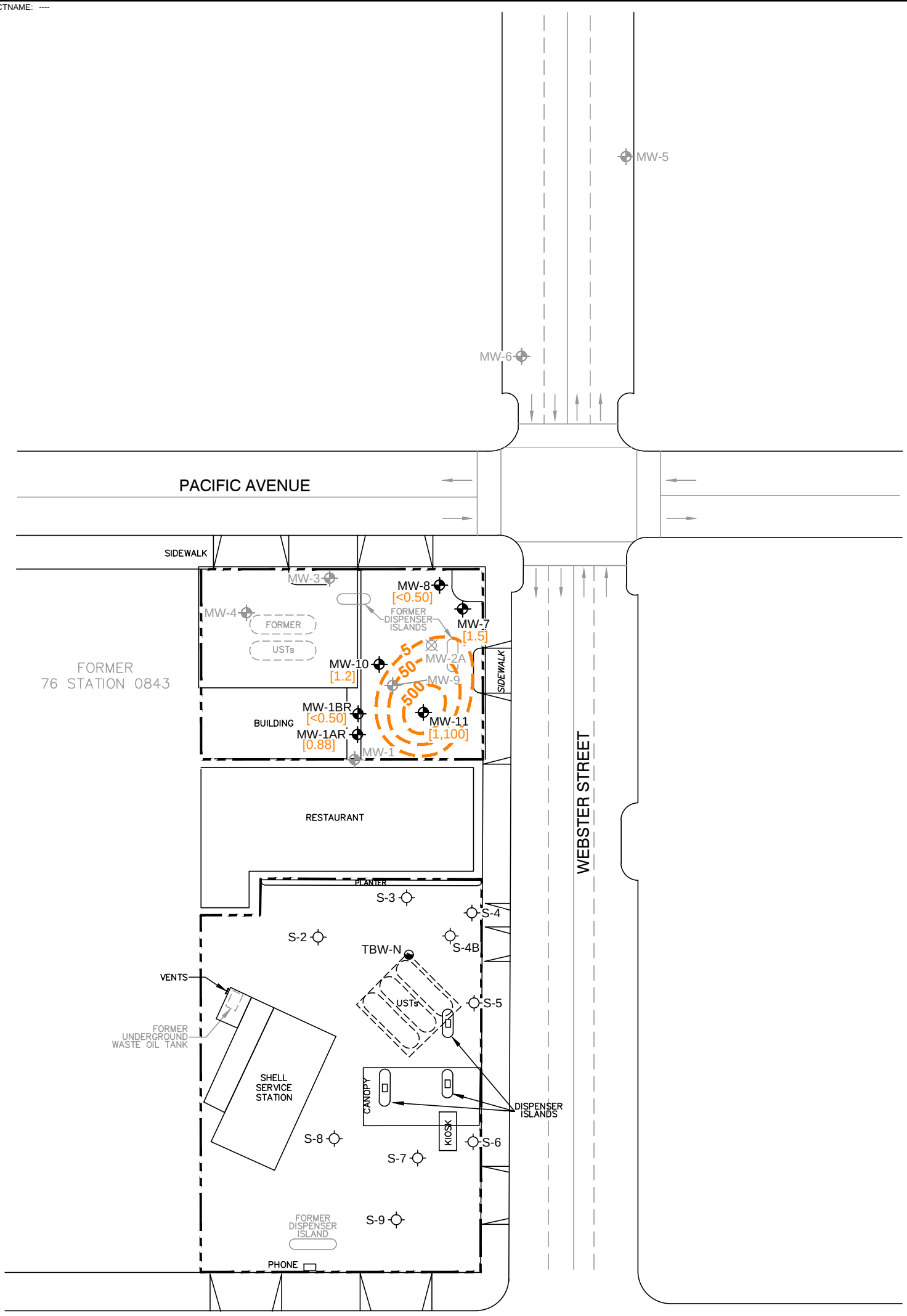

LEGEND

- PROPERTY BOUNDARY
- MW-1 FORMER 76 STATION SHALLOW ZONE MONITORING WELL
- MW-1AR FORMER 76 STATION SUBMERGED ZONE MONITORING WELL
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- TBW-N SHELL TANK BACKFILL MONITORING WELL
- MW-2A ABANDONED WELL
- [MTBE] METHYL TERTIARY BUTYL ETHER CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- 50 MTBE ISOCONCENTRATION CONTOUR (µg/L; DASHED WHERE INFERRED)
- < DENOTES LESS THAN LABORATORY REPORTING LIMIT
- [NSP] WELL NOT SAMPLED THIS EVENT IN ACCORDANCE WITH GROUNDWATER SAMPLING SCHEDULE

NOTES:

1. BASE MAP PROVIDED BY TRC, DATED AUGUST 2010, AT A SCALE OF 1"=60'. SHELL SERVICE STATION DATA PROVIDED BY CRA.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. THE ADJACENT SHELL SITE HAS RECEIVED CLOSURE AND WILL NO LONGER BE SAMPLED.

0 50' 100'
GRAPHIC SCALE

UNION OIL
FORMER FACILITY NO. 0843
1629 WEBSTER STREET
ALAMEDA, CALIFORNIA

MTBE SUBMERGED ZONE WELL CONCENTRATION MAP FEBRUARY 5, 2014

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FIGURE
8

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Tables

Table 1
Current Groundwater Gauging and Analytical Results
Unocal Site 0843
1629 Webster Street, Alameda, California

Well ID	Date Sampled	TOC Elevation (feet MSL)	DTW (feet bTOC)	LPH Thickness (feet)	GW Elevation (feet MSL)	TPH-G 8015B	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	TAME	ETBE	DIPE	EDB	EDC	Ethanol	Comments
MW-1	2/5/2014	19.13	9.22	--	9.91	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1AR	2/5/2014	19.29	9.41	0.00	9.88	<50	<0.50	<0.50	<0.50	<1.0	0.88	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1BR	2/5/2014	19.13	9.30	0.00	9.83	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-3	2/5/2014	18.05	8.22	--	9.83	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	2/5/2014	18.14	8.20	--	9.94	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	2/5/2014	16.45	7.31	0.00	9.14	<50	<0.50	<0.50	<0.50	<1.0	570 A01	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-6	2/5/2014	16.97	7.43	0.00	9.54	<50	<0.50	<0.50	<0.50	<1.0	14	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-7	2/5/2014	17.81	7.95	0.00	9.86	<50	<0.50	<0.50	<0.50	<1.0	1.5	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-8	2/5/2014	18.13	8.31	0.00	9.82	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-9	2/5/2014	18.75	8.95	0.00	9.80	<50	<0.50	<0.50	<0.50	<1.0	710 A01	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-10	2/5/2014	18.84	8.99	0.00	9.85	<50	<0.50	<0.50	<0.50	<1.0	1.2	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-11	2/5/2014	18.72	8.88	0.00	9.84	<50	<0.50	<0.50	<0.50	<1.0	1100 A01	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	

Note

Analytical results given in micrograms per liter (µg/l) unless otherwise noted

Standard Abbreviations

--	not analyzed, measured, or collected
<	not detected at or above laboratory detection limit
µg/l	micrograms per liter (approx. equivalent to parts per billion, ppb)
TOC	top of casing (surveyed reference elevation)
MSL	relative to mean sea level
DTW	depth to water
bTOC	below top of casing
LPH	liquid-phase hydrocarbons
GW	groundwater
TPH-G	total petroleum hydrocarbons as gasoline
MTBE	methyl tertiary butyl ether
TBA	tertiary butyl alcohol
TAME	tertiary amyl methyl ether
ETBE	ethyl tertiary butyl ether
DIPE	di-isopropyl ether
EDB	1,2-dibromoethane
EDC	1,2-dichloroethane (same as ethylene dichloride)
A01	PQL's and MDL's are raised due to sample dilution.
PQL	practical quantitation limit
MDL	method detection lmit

Table 1a
Current Additional Groundwater Analytical Results
Unocal Site 0843
1629 Webster Street, Alameda, California

Well ID	Date Sampled	EC @ 25°C (umhos/cm)	Field Conductivity (umhos/cm - mS)	DO (mg/l)	ORP (mV)	Nitrate as NO_3 (mg/l)	Sulfate (mg/l)	Ferric Iron	Non-Volatile Organic Compounds (mg/l)	Hexavalent Chromium	Dissolved Chromium	Dissolved Manganese	Dissolved Vanadium	Total Chromium	Total Recoverable Manganese	Total Recoverable Vanadium	Comments
MW-1	2/5/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1AR	2/5/2014	--	0.52	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1BR	2/5/2014	--	0.55	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	2/5/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	2/5/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	2/5/2014	--	0.63	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	2/5/2014	--	0.57	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	2/5/2014	--	0.69	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	2/5/2014	--	0.61	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	2/5/2014	--	0.56	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	2/5/2014	--	0.44	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-11	2/5/2014	--	0.85	--	--	--	--	--	--	--	--	--	--	--	--	--	

Note

Analytical results given in micrograms per liter (µg/l) unless otherwise noted

Standard Abbreviations

--	not analyzed, measured, or collected
<	not detected at or above laboratory detection limit
umhos/cm	micromhos per centimeter
mS	millisiemens
mg/l	milligrams per liter (approx. equivalent to parts per million, ppm)
µg/l	micrograms per liter (approx. equivalent to parts per billion, ppb)
mV	millivolts
EC	electrical conductivity
DO	dissolved oxygen
ORP	oxidation reduction potential

Table 2
Historic Groundwater Gauging and Analytical Results
Unocal Site 0843
1629 Webster Street, Alameda, California

Well ID	Date Sampled	TOC Elevation (feet MSL)	DTW (feet bTOC)	LPH Thickness (feet)	GW Elevation (feet MSL)	TPH-G 8015B	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	TAME	ETBE	DIPE	EDB	EDC	Ethanol	Comments
MW-1	8/4/2011	19.13	6.78	0.00	12.35	310	<0.50	<0.50	<0.50	<1.0	420	13	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01, A90
MW-1	11/21/2011	19.13	7.58	0.00	11.55	85*	<0.50	<0.50	<0.50	<1.0	130	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01, A90
MW-1	2/2/2012	19.13	7.60	0.00	11.53	<50	<0.50	<0.50	<0.50	1.0	380	94	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-1	5/14/2012	19.13	6.45	0.00	12.68	<50	<0.50	<0.50	<0.50	<1.0	800	220	0.75	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-1	8/13/2012	19.13	7.33	0.00	11.80	<50	<0.50	<0.50	<0.50	<1.0	610	120	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-1	10/25/2012	19.13	8.10	0.00	11.03	<50	<0.50	<0.50	<0.50	<1.0	250	60	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-1	3/5/2013	19.13	6.70	0.00	12.43	<50	<0.50	<0.50	<0.50	<1.0	320	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-1	5/7/2013	19.13	7.00	0.00	12.13	<50	<0.50	<0.50	<0.50	<1.0	230	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-1	8/8/2013	19.13	8.05	0.00	11.08	<50	<0.50	<0.50	<0.50	<1.0	25	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1	11/6/2013	19.13	9.00	0.00	10.13	<50	<0.50	<0.50	<0.50	<1.0	230	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-1	**2/5/2014**	**19.13**	**9.22**	--	**9.91**	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1AR	8/4/2011	19.29	6.95	0.00	12.34	<50	<0.50	<0.50	<0.50	<1.0	16	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1AR	11/21/2011	19.29	7.82	0.00	11.47	21* J	<0.50	<0.50	<0.50	<1.0	22	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1AR	2/2/2012	19.29	8.08	0.00	11.21	<50	<0.50	<0.50	<0.50	1.4	23	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1AR	5/14/2012	19.29	6.72	0.00	12.57	<50	<0.50	<0.50	<0.50	<1.0	13	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1AR	8/13/2012	19.29	7.62	0.00	11.67	<50	<0.50	<0.50	<0.50	<1.0	18	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1AR	10/25/2012	19.29	8.27	0.00	11.02	<50	<0.50	<0.50	<0.50	<1.0	19	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1AR	3/5/2013	19.29	6.92	0.00	12.37	<50	<0.50	<0.50	<0.50	<1.0	4.9	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1AR	5/7/2013	19.29	7.23	0.00	12.06	<50	<0.50	<0.50	<0.50	<1.0	3.6	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1AR	8/8/2013	19.29	8.25	0.00	11.04	<50	<0.50	<0.50	<0.50	<1.0	2.5	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1AR	11/6/2013	19.29	9.13	0.00	10.16	<50	<0.50	<0.50	<0.50	<1.0	0.98	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1AR	**2/5/2014**	**19.29**	**9.41**	**0.00**	**9.88**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**0.88**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	
MW-1BR	8/4/2011	19.13	6.92	0.00	12.21	59	<0.50	<0.50	<0.50	<1.0	60	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A90
MW-1BR	11/21/2011	19.13	7.78	0.00	11.35	29* J	<0.50	<0.50	<0.50	<1.0	34	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1BR	2/2/2012	19.13	8.07	0.00	11.06	<50	<0.50	<0.50	<0.50	1.7	15	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1BR	5/14/2012	19.13	6.67	0.00	12.46	<50	<0.50	<0.50	<0.50	<1.0	23	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1BR	8/13/2012	19.13	7.50	0.00	11.63	<50	<0.50	<0.50	<0.50	<1.0	15	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1BR	10/25/2012	19.13	8.23	0.00	10.90	<50	<0.50	<0.50	<0.50	<1.0	12	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1BR	3/5/2013	19.13	6.89	0.00	12.24	<50	<0.50	<0.50	<0.50	<1.0	2.4	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1BR	5/7/2013	19.13	7.20	0.00	11.93	<50	<0.50	<0.50	<0.50	<1.0	3.5	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1BR	8/8/2013	19.13	8.21	0.00	10.92	<50	<0.50	<0.50	<0.50	<1.0	3.6	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1BR	11/6/2013	19.13	9.02	0.00	10.11	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1BR	**2/5/2014**	**19.13**	**9.30**	**0.00**	**9.83**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	
MW-3	8/4/2011	18.05	6.10	0.00	11.95	<50	<0.50	<0.50	<0.50	<1.0	0.55	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-3	11/21/2011	18.05	6.90	0.00	11.15	<50*	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-3	2/2/2012	18.05	6.90	0.00	11.15	<50	<0.50	<0.50	<0.50	<1.0	1.3	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-3	5/14/2012	18.05	5.78	0.00	12.27	<50	<0.50	<0.50	<0.50	<1.0	1.2	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-3	8/13/2012	18.05	6.60	0.00	11.45	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-3	10/25/2012	18.05	7.30	0.00	10.75	<50	<0.50	<0.50	<0.50	<1.0	1.0	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-3	3/5/2013	18.05	5.98	0.00	12.07	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-3	5/7/2013	18.05	6.29	0.00	11.76	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-3	8/8/2013	18.05	7.30	0.00	10.75	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-3	11/6/2013	18.05	8.10	0.00	9.95	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-3	**2/5/2014**	**18.05**	**8.22**	--	**9.83**	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2
Historic Groundwater Gauging and Analytical Results
Unocal Site 0843
1629 Webster Street, Alameda, California

Well ID	Date Sampled	TOC Elevation (feet MSL)	DTW (feet bTOC)	LPH Thickness (feet)	GW Elevation (feet MSL)	TPH-G 8015B	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	TAME	ETBE	DIPE	EDB	EDC	Ethanol	Comments
MW-4	8/4/2011	18.14	6.00	0.00	12.14	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-4	11/21/2011	18.14	6.80	0.00	11.34	<50*	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-4	2/2/2012	18.14	6.83	0.00	11.31	<50	<0.50	<0.50	<0.50	<1.0	10	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-4	5/14/2012	18.14	5.66	0.00	12.48	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-4	8/13/2012	18.14	6.55	0.00	11.59	<50	<0.50	<0.50	<0.50	<1.0	5.0	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-4	10/25/2012	18.14	7.23	0.00	10.91	<50	<0.50	<0.50	<0.50	<1.0	11	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-4	3/5/2013	18.14	5.88	0.00	12.26	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-4	5/7/2013	18.14	6.21	0.00	11.93	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-4	8/8/2013	18.14	7.22	0.00	10.92	<50	<0.50	<0.50	<0.50	<1.0	0.72	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-4	11/6/2013	18.14	7.98	0.00	10.16	<50	<0.50	<0.50	<0.50	<1.0	0.61	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-4	**2/5/2014**	**18.14**	**8.20**	**--**	**9.94**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-5	8/4/2011	16.45	5.63	0.00	10.82	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-5	11/21/2011	16.45	6.28	0.00	10.17	12* J	<0.50	<0.50	<0.50	<1.0	1.2	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-5	2/2/2012	16.45	6.22	0.00	10.23	<50	<0.50	<0.50	<0.50	<1.0	2.1	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-5	5/14/2012	16.45	5.25	0.00	11.20	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-5	8/13/2012	16.45	6.06	0.00	10.39	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-5	10/25/2012	16.45	6.62	0.00	9.83	<50	<0.50	<0.50	<0.50	<1.0	2.5	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-5	3/5/2013	16.45	5.50	0.00	10.95	<50	<0.50	<0.50	<0.50	<1.0	2.6	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-5	5/7/2013	16.45	5.78	0.00	10.67	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-5	8/8/2013	16.45	6.70	0.00	9.75	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-5	11/6/2013	16.45	7.15	0.00	9.30	<50	<0.50	<0.50	<0.50	<1.0	590	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-5	**2/5/2014**	**16.45**	**7.31**	**0.00**	**9.14**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**570 A01**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	
MW-6	8/4/2011	16.97	5.69	0.00	11.28	75	<0.50	<0.50	<0.50	<1.0	80	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A90
MW-6	11/21/2011	16.97	6.36	0.00	10.61	55*	<0.50	<0.50	<0.50	<1.0	86	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-6	2/2/2012	16.97	6.31	0.00	10.66	<50	<0.50	<0.50	<0.50	<1.0	94	21	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-6	5/14/2012	16.97	5.38	0.00	11.59	<50	<0.50	<0.50	<0.50	<1.0	89	33	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-6	8/13/2012	16.97	6.08	0.00	10.89	<50	<0.50	<0.50	<0.50	<1.0	89	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-6	10/25/2012	16.97	6.69	0.00	10.28	<50	<0.50	<0.50	<0.50	<1.0	57	11	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-6	3/5/2013	16.97	5.57	0.00	11.40	<50	<0.50	<0.50	<0.50	<1.0	29	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-6	5/7/2013	16.97	5.85	0.00	11.12	<50	<0.50	<0.50	<0.50	<1.0	22	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-6	8/8/2013	16.97	6.77	0.00	10.20	<50	<0.50	<0.50	<0.50	<1.0	6.2	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-6	11/6/2013	16.97	7.15	0.00	9.82	<50	<0.50	<0.50	<0.50	<1.0	120	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-6	**2/5/2014**	**16.97**	**7.43**	**0.00**	**9.54**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**14**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	
MW-7	8/4/2011	17.81	5.85	0.00	11.96	2,300	<0.50	<0.50	<0.50	<1.0	6,300	2,200	6.7	<0.50	<0.50	<0.50	<0.50	<250	A01, A90
MW-7	11/21/2011	17.81	6.67	0.00	11.14	1,400*	<0.50	<0.50	<0.50	<1.0	5,900	2,200	6.4	<0.50	<0.50	<0.50	<0.50	<250	A90
MW-7	2/2/2012	17.81	6.69	0.00	11.12	<50	<0.50	<0.50	<0.50	<1.0	6,400	2,800	5.0	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-7	5/14/2012	17.81	5.57	0.00	12.24	<50	<0.50	<0.50	<0.50	<1.0	5,600	2,300	4.4	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-7	8/13/2012	17.81	6.42	0.00	11.39	<50	<0.50	<0.50	<0.50	<1.0	4,800	2,000	3.9	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-7	10/25/2012	17.81	7.19	0.00	10.62	290	<0.50	<0.50	<0.50	<1.0	3,600	2,000	3.4	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-7	3/5/2013	17.81	6.02	0.00	11.79	<50	<0.50	<0.50	<0.50	<1.0	2,800	510	2.3	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-7	5/7/2013	17.81	6.15	0.00	11.66	<50	<0.50	<0.50	<0.50	<1.0	3,100	490	2.5	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-7	8/8/2013	17.81	7.05	0.00	10.76	<50	<0.50	<0.50	<0.50	<1.0	2,300	1,600	2.7	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-7	11/6/2013	17.81	7.72	0.00	10.09	<50	<0.50	<0.50	<0.50	<1.0	1,400	210	1.5	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-7	**2/5/2014**	**17.81**	**7.95**	**0.00**	**9.86**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.5**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	

Table 2
Historic Groundwater Gauging and Analytical Results
Unocal Site 0843
1629 Webster Street, Alameda, California

Well ID	Date Sampled	TOC Elevation (feet MSL)	DTW (feet bTOC)	LPH Thickness (feet)	GW Elevation (feet MSL)	TPH-G 8015B	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	TAME	ETBE	DIPE	EDB	EDC	Ethanol	Comments
MW-8	8/4/2011	18.13	6.23	0.00	11.90	2,000	<0.50	<0.50	<0.50	<1.0	4,400	370	4.9	<0.50	<0.50	<0.50	<0.50	<250	A01, A90
MW-8	11/21/2011	18.13	7.02	0.00	11.11	900*	<0.50	<0.50	<0.50	<1.0	2,500	250	2.6	<0.50	<0.50	<0.50	<0.50	<250	
MW-8	2/2/2012	18.13	6.97	0.00	11.16	<50	<0.50	<0.50	<0.50	<1.0	2,400	740	2.3	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-8	5/14/2012	18.13	5.91	0.00	12.22	<50	<0.50	<0.50	<0.50	<1.0	2,100	590	1.7	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-8	8/13/2012	18.13	6.71	0.00	11.42	<50	<0.50	<0.50	<0.50	<1.0	1,600	450	1.2	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-8	10/25/2012	18.13	7.39	0.00	10.74	<50	<0.50	<0.50	<0.50	<1.0	810	380	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-8	3/5/2013	18.13	6.15	0.00	11.98	<50	<0.50	<0.50	<0.50	<1.0	100	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-8	5/7/2013	18.13	6.41	0.00	11.72	<50	<0.50	<0.50	<0.50	<1.0	140	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-8	8/8/2013	18.13	7.40	0.00	10.73	<50	<0.50	<0.50	<0.50	<1.0	370	180	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-8	11/6/2013	18.13	8.13	0.00	10.00	<50	<0.50	<0.50	<0.50	<1.0	98	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-8	**2/5/2014**	**18.13**	**8.31**	**0.00**	**9.82**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	
MW-9	8/4/2011	18.75	6.59	0.00	12.16	62	<0.50	<0.50	<0.50	<1.0	59	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A90
MW-9	11/21/2011	18.75	7.45	0.00	11.30	33* J	<0.50	<0.50	<0.50	<1.0	44	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	J
MW-9	2/2/2012	18.75	7.47	0.00	11.28	<50	<0.50	<0.50	<0.50	<1.0	6.1	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-9	5/14/2012	18.75	6.30	0.00	12.45	<50	<0.50	<0.50	<0.50	<1.0	190	51	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-9	8/13/2012	18.75	7.12	0.00	11.63	<50	<0.50	<0.50	<0.50	<1.0	220	36	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-9	10/25/2012	18.75	7.87	0.00	10.88	<50	<0.50	<0.50	<0.50	<1.0	270	88	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-9	3/5/2013	18.75	6.54	0.00	12.21	<50	<0.50	<0.50	<0.50	<1.0	60	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-9	5/7/2013	18.75	6.80	0.00	11.95	<50	<0.50	<0.50	<0.50	<1.0	390	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-9	8/8/2013	18.75	7.80	0.00	10.95	<50	<0.50	<0.50	<0.50	<1.0	420	190	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-9	11/6/2013	18.75	8.62	0.00	10.13	<50	<0.50	<0.50	<0.50	<1.0	320	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-9	**2/5/2014**	**18.75**	**8.95**	**0.00**	**9.80**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**710 A01**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	
MW-10	8/4/2011	18.84	6.73	0.00	12.11	<50	<0.50	<0.50	<0.50	<1.0	7.4	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-10	11/21/2011	18.84	7.52	0.00	11.32	<50*	<0.50	<0.50	<0.50	<1.0	1.4	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-10	2/2/2012	18.84	7.52	0.00	11.32	<50	<0.50	<0.50	<0.50	3.2	1.4	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-10	5/14/2012	18.84	6.42	0.00	12.42	<50	<0.50	<0.50	<0.50	<1.0	1.5	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-10	8/13/2012	18.84	7.24	0.00	11.60	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-10	10/25/2012	18.84	7.95	0.00	10.89	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-10	3/5/2013	18.84	6.64	0.00	12.20	<50	<0.50	<0.50	<0.50	<1.0	1.2	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-10	5/7/2013	18.84	6.92	0.00	11.92	<50	<0.50	<0.50	<0.50	<1.0	2.1	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-10	8/8/2013	18.84	7.93	0.00	10.91	<50	<0.50	<0.50	<0.50	<1.0	3.6	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-10	11/6/2013	18.84	8.75	0.00	10.09	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-10	**2/5/2014**	**18.84**	**8.99**	**0.00**	**9.85**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.2**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	

Table 2
Historic Groundwater Gauging and Analytical Results
Unocal Site 0843
1629 Webster Street, Alameda, California

Well ID	Date Sampled	TOC Elevation (feet MSL)	DTW (feet bTOC)	LPH Thickness (feet)	GW Elevation (feet MSL)	TPH-G 8015B	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	TAME	ETBE	DIPE	EDB	EDC	Ethanol	Comments
MW-11	8/4/2011	18.72	6.54	0.00	12.18	1,400	<0.50	<0.50	<0.50	<1.0	2,000	110	2.4	<0.50	<0.50	<0.50	<0.50	<250	A01, A90
MW-11	11/21/2011	18.72	7.36	0.00	11.36	850*	<0.50	<0.50	<0.50	<1.0	2,100	270	2.1	<0.50	<0.50	<0.50	<0.50	<250	
MW-11	2/2/2012	18.72	7.32	0.00	11.40	<50	<0.50	<0.50	<0.50	<1.0	2,500	730	2.0	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-11	5/14/2012	18.72	6.21	0.00	12.51	<50	<0.50	<0.50	<0.50	<1.0	1,700	570	1.4	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-11	8/13/2012	18.72	7.03	0.00	11.69	<50	<0.50	<0.50	<0.50	<1.0	1,100	280	0.87	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-11	10/25/2012	18.72	7.77	0.00	10.95	<50	<0.50	<0.50	<0.50	<1.0	1,000	590	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-11	3/5/2013	18.72	6.47	0.00	12.25	<50	<0.50	<0.50	<0.50	<1.0	750	180	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-11	5/7/2013	18.72	6.75	0.00	11.97	<50	<0.50	<0.50	<0.50	<1.0	1,100	140	0.81	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-11	8/8/2013	18.72	7.75	0.00	10.97	<50	<0.50	<0.50	<0.50	<1.0	880	680	0.91	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-11	11/6/2013	18.72	8.64	0.00	10.08	<50	<0.50	<0.50	<0.50	<1.0	380	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01
MW-11	**2/5/2014**	**18.72**	**8.88**	**0.00**	**9.84**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1100 A01**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	

Note

Analytical results given in micrograms per liter (µg/l) unless otherwise noted

Standard Abbreviations

--	not analyzed, measured, or collected
<	not detected at or above laboratory detection limit
µg/l	micrograms per liter (approx. equivalent to parts per billion, ppb)
TOC	top of casing (surveyed reference elevation)
MSL	relative to mean sea level
DTW	depth to water
bTOC	below top of casing
LPH	liquid-phase hydrocarbons
GW	groundwater
TPH-G	total petroleum hydrocarbons as gasoline
MTBE	methyl tertiary butyl ether
TBA	tertiary butyl alcohol
TAME	tertiary amyl methyl ether
ETBE	ethyl tertiary butyl ether
DIPE	di-isopropyl ether
EDB	1,2-dibromoethane
EDC	1,2-dichloroethane (same as ethylene dichloride)
8015B	EPA Method 8015B for TPH-G
8260B	EPA Method 8260B for BTEX/MTBE/Oxygenates
GC/MS	gas chromatography–mass spectrometry
A01	PQL's and MDL's are raised due to sample dilution.
A90	TPPH does not exhibit a "gasoline" pattern. TPPH is entirely due to MTBE.
TPPH	total purgeable petroleum hydrocarbons
*	TPPH (C6 through C12)
J	Estimated Value
PQL	practical quantitation limit
MDL	method detection lmit

Table 2a
Historic Additional Groundwater Analytical Results
Unocal Site 0843
1629 Webster Street, Alameda, California

Well ID	Date Sampled	EC @ 25°C (umhos/cm)	Field Conductivity (umhos/cm - mS)	DO (mg/l)	ORP (mV)	Nitrate as NO_3 (mg/l)	Sulfate (mg/l)	Ferrous Iron	Non-Volatile Organic Compounds (mg/l)	Hexavalent Chromium	Dissolved Chromium	Dissolved Manganese	Dissolved Vanadium	Total Chromium	Total Recoverable Manganese	Total Recoverable Vanadium	Comments
MW-1	8/4/2011	438	--	8.8	297.8	24	30	300	1.5	<2.0	<10	2.3	<3.0	99	830	63	A01, A90
MW-1	11/21/2011	378	--	2.3	310.6	16	23	54 J	1.1	<2.0	1.4 J	0.98 J	<3.0	220	1,100	78	
MW-1	2/2/2012	424	--	7.6	273.0	20	23	<100	1.2	<2.0	<10	1.4	<3.0	130	920	67	A10, S05
MW-1	5/14/2012	493	--	7.9	275.5	19	28	<200	1.6	2.1	<10	<1.0	<3.0	60	460	38	A10, S05
MW-1	8/13/2012	445	--	6.6	332.7	14	25	<100	1.4	<2.0	<10	2.6	<3.0	62	400	33	S05
MW-1	10/25/2012	405	--	7.8	260.1	13	23	200	1.3	2.6	<10	330	6.7	62	490	42	S05
MW-1	3/5/2013	336	--	5.3	288.0	10	17	<100	1.2	<2.0	<10	3.6	<3.0	46	350	33	S05
MW-1	5/7/2013	435	--	4.9	337.5	16	27	<100	1.5	3.2	<10	49	3.7	46	440	39	S05
MW-1	8/8/2013	252	--	4.4	182.3	6.9	13	110	1.7	<2.0	<10	2.5	<3.0	65	470	36	S05
MW-1	11/6/2013	341	--	5.6	167.7	15	22	<100	1.2	<2.0	<10	7.3	<3.0	26	190	16	S05
MW-1	**2/5/2014**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1AR	8/4/2011	371	--	8.3	305.3	21	28	160	1.5	<2.0	<10	94	<3.0	15	250	9.1	
MW-1AR	11/21/2011	456.2	--	0.77	305.8	20	28	<100	1.4	<2.0	<10	71	1.1 J	6.7 J	220	3.4	
MW-1AR	2/2/2012	468	--	7.90	269.1	23	35	<100	1.6	<2.0	<10	110	<3.0	22	290	11	S05
MW-1AR	5/14/2012	474	--	5.60	286.0	23	33	<100	1.5	<2.0	<10	62	<3.0	16	260	8.0	S05
MW-1AR	8/13/2012	457	--	6.5	313.5	24	36	<100	1.6	<2.0	<10	150	<3.0	31	320	9.8	S05
MW-1AR	10/25/2012	463	--	6.6	251.2	23	34	<100	1.7	2.1	<10	270	<3.0	18	290	11	S05
MW-1AR	3/5/2013	410	--	6.4	283.2	24	32	<100	1.5	<2.0	<10	59	<3.0	<10	87	<3.0	S05
MW-1AR	5/7/2013	394	--	6.8	354.7	23	32	<100	3.5	2.0	<10	78	<3.0	20	590	13	S05
MW-1AR	8/8/2013	373	--	5.6	192.2	18	30	<100	3.8	<2.0	<10	51	<3.0	<10	110	<3.0	S05
MW-1AR	11/6/2013	343	--	6.4	70.0	14	25	<100	1.2	<2.0	<10	5.2	<3.0	<10	39	<3.0	S05
MW-1AR	**2/5/2014**	--	**0.52**	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1BR	8/4/2011	437	--	9.4	310.9	28	27	170	1.3	<2.0	<10	98	<3.0	13	170	7.4	A90
MW-1BR	11/21/2011	481.8	--	0.89	316.9	28	25	62 J	1.2	<2.0	2.8 J	26	1.7 J	9.6 J	120	4.4	
MW-1BR	2/2/2012	456	--	7.20	273.1	29	28	<100	1.3	<2.0	<10	40	<3.0	55	400	23	S05
MW-1BR	5/14/2012	443	--	4.20	287.0	24	24	<100	1.3	2.5	<10	50	<3.0	<10	340	<3.0	S05
MW-1BR	8/13/2012	435	--	5.8	314.3	30	29	<100	1.3	<2.0	<10	94	<3.0	<10	220	3.1	S05
MW-1BR	10/25/2012	432	--	5.2	266.5	28	28	<100	1.3	3.1	<10	190	<3.0	13	210	10	S05
MW-1BR	3/5/2013	402	--	6.7	292.6	29	27	<100	1.2	<2.0	<10	13	<3.0	<10	140	3.3	S05
MW-1BR	5/7/2013	406	--	6.1	355.7	30	30	<100	3.9	2.4	<10	260	<3.0	<10	510	5.0	S05
MW-1BR	8/8/2013	403	--	5.2	197.5	31	32	<100	2.7	<2.0	<10	80	<3.0	<10	300	5.9	S05
MW-1BR	11/6/2013	365	--	6.1	94.9	26	26	<100	1.1	<2.0	<10	1.7	<3.0	<10	16	<3.0	S05
MW-1BR	**2/5/2014**	--	**0.55**	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	8/4/2011	614	--	6.1	312.8	--	--	--	--	--	--	--	--	--	--	--	
MW-3	11/21/2011	652.7	--	1.24	323.1	--	--	--	--	--	--	--	--	--	--	--	
MW-3	2/2/2012	576	--	6.00	301.8	--	--	--	--	--	--	--	--	--	--	--	S05
MW-3	5/14/2012	624	--	7.70	296.9	--	--	--	--	--	--	--	--	--	--	--	S05
MW-3	8/13/2012	674	--	8.0	292.4	--	--	--	--	--	--	--	--	--	--	--	S05
MW-3	10/25/2012	660	--	6.6	199.1	--	--	--	--	--	--	--	--	--	--	--	S05
MW-3	3/5/2013	653	--	4.9	319.8	--	--	--	--	--	--	--	--	--	--	--	S05
MW-3	5/7/2013	730	--	6.8	354.8	--	--	--	--	--	--	--	--	--	--	--	S05
MW-3	8/8/2013	588	--	3.7	223.0	--	--	--	--	--	--	--	--	--	--	--	S05
MW-3	11/6/2013	752	--	6.2	111.5	--	--	--	--	--	--	--	--	--	--	--	S05
MW-3	**2/5/2014**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2a
Historic Additional Groundwater Analytical Results
Unocal Site 0843
1629 Webster Street, Alameda, California

Well ID	Date Sampled	EC @ 25°C (umhos/cm)	Field Conductivity (umhos/cm - mS)	DO (mg/l)	ORP (mV)	Nitrate as NO_3 (mg/l)	Sulfate (mg/l)	Ferrous Iron	Non-Volatile Organic Compounds (mg/l)	Hexavalent Chromium	Dissolved Chromium	Dissolved Manganese	Dissolved Vanadium	Total Chromium	Total Recoverable Manganese	Total Recoverable Vanadium	Comments
MW-4	8/4/2011	1,080	--	9.7	311.5	--	--	--	--	--	--	--	--	--	--	--	
MW-4	11/21/2011	464	--	4.1	321.8	--	--	--	--	--	--	--	--	--	--	--	
MW-4	2/2/2012	980	--	7.7	297.7	--	--	--	--	--	--	--	--	--	--	--	S05
MW-4	5/14/2012	1,030	--	8.7	296.8	--	--	--	--	--	--	--	--	--	--	--	S05
MW-4	8/13/2012	1,110	--	8.7	305.9	--	--	--	--	--	--	--	--	--	--	--	S05
MW-4	10/25/2012	985	--	5.3	225.2	--	--	--	--	--	--	--	--	--	--	--	S05
MW-4	3/5/2013	1,080	--	6.5	320.1	--	--	--	--	--	--	--	--	--	--	--	S05
MW-4	5/7/2013	1,120	--	6.5	351.1	--	--	--	--	--	--	--	--	--	--	--	S05
MW-4	8/8/2013	1,090	--	5.9	228.4	--	--	--	--	--	--	--	--	--	--	--	S05
MW-4	11/6/2013	910	--	4.2	112.3	--	--	--	--	--	--	--	--	--	--	--	S05
MW-4	**2/5/2014**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	8/4/2011	582	--	7.1	282.0	--	--	--	--	<2.0	<10	120	--	--	--	--	
MW-5	11/21/2011	616.7	--	1.78	297.7	--	--	--	--	<2.0	1.7 J	160	--	--	--	--	
MW-5	2/2/2012	620	--	8.00	236.9	--	--	--	--	<2.0	<10	--	--	72	--	--	S05
MW-5	5/14/2012	612	--	6.20	307.5	--	--	--	--	<2.0	<10	--	--	52	--	--	S05
MW-5	8/13/2012	628	--	7.4	321.7	--	--	--	--	<2.0	<10	--	--	85	--	--	S05
MW-5	10/25/2012	616	--	8.0	231.0	--	--	--	--	<2.0	<10	--	--	77	--	--	S05
MW-5	3/5/2013	570	--	5.0	323.0	--	--	--	--	<2.0	<10	--	--	37	--	--	S05
MW-5	5/7/2013	531	--	4.8	359.2	--	--	--	--	<2.0	<10	--	--	45	--	--	S05
MW-5	8/8/2013	536	--	5.5	232.4	--	--	--	--	<2.0	<10	--	--	<10	--	--	S05
MW-5	11/6/2013	558	--	5.2	120.4	--	--	--	--	<2.0	<10	--	--	39	--	--	S05
MW-5	**2/5/2014**	--	**0.63**	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	8/4/2011	484	--	6.9	316.9	--	--	--	--	<2.0	<10	82	--	--	--	--	A90
MW-6	11/21/2011	560.8	--	1.12	300.6	--	--	--	--	<2.0	<10	40	--	--	--	--	
MW-6	2/2/2012	535	--	6.40	252.9	--	--	--	--	<2.0	<10	--	--	77	--	--	S05
MW-6	5/14/2012	525	--	8.30	312.0	--	--	--	--	<2.0	<10	--	--	65	--	--	S05
MW-6	8/13/2012	522	--	8.9	327.7	--	--	--	--	<2.0	<10	--	--	49	--	--	S05
MW-6	10/25/2012	517	--	8.0	267.9	--	--	--	--	<2.0	<10	--	--	34	--	--	S05
MW-6	3/5/2013	528	--	5.4	323.0	--	--	--	--	<2.0	<10	--	--	20	--	--	S05
MW-6	5/7/2013	537	--	5.2	361.6	--	--	--	--	<2.0	<10	--	--	33	--	--	S05
MW-6	8/8/2013	508	--	5.3	226.4	--	--	--	--	<2.0	<10	--	--	<10	--	--	S05
MW-6	11/6/2013	501	--	5.5	125.8	--	--	--	--	<2.0	<10	--	--	<10	--	--	S05
MW-6	**2/5/2014**	--	**0.57**	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	8/4/2011	635	--	7.8	4.84	4.0	48	3,400	4.0	<2.0	<10	680	<3.0	58	880	36	A01, A90
MW-7	11/21/2011	692.7	--	1.5	273.9	3.6	41	2,800	3.9	<2.0	<10	670	<3.0	59	790	33	
MW-7	2/2/2012	682	--	7.1	67.33	4.1	39	1,800	3.6	<2.0	<10	710	<3.0	<10	620	<3.0	S05
MW-7	5/14/2012	690	--	8.0	72.99	5.1	36	1,700	3.2	<2.0	<10	630	<3.0	21	800	12	S05
MW-7	8/13/2012	681	--	7.1	251.0	4.3	32	1,200	3.0	<2.0	<10	610	<3.0	22	750	17	A01, S05
MW-7	10/25/2012	692	--	7.6	41.69	4.5	30	1,500	2.8	<2.0	<10	530	<3.0	13	570	8.9	S05
MW-7	3/5/2013	679	--	6.1	48.33	4.7	29	540	2.8	<2.0	<10	600	<3.0	<10	520	<3.0	S05
MW-7	5/7/2013	671	--	9.3	239.3	2.9	34	<100	7.2	<2.0	<10	470	<3.0	<10	440	<3.0	S05
MW-7	8/8/2013	669	--	5.3	39.7	11.0	29	790	2.6	<2.0	<10	470	<3.0	12	640	<3.0	S05
MW-7	11/6/2013	640	--	4.8	69.7	3.1	36	<100	5.6	<2.0	<10	320	<3.0	<10	330	3.1	S05
MW-7	**2/5/2014**	--	**0.69**	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2a
Historic Additional Groundwater Analytical Results
Unocal Site 0843
1629 Webster Street, Alameda, California

Well ID	Date Sampled	EC @ 25°C (umhos/cm)	Field Conductivity (umhos/cm - mS)	DO (mg/l)	ORP (mV)	Nitrate as NO_3 (mg/l)	Sulfate (mg/l)	Ferrous Iron	Non-Volatile Organic Compounds (mg/l)	Hexavalent Chromium	Dissolved Chromium	Dissolved Manganese	Dissolved Vanadium	Total Chromium	Total Recoverable Manganese	Total Recoverable Vanadium	Comments
MW-8	8/4/2011	599	--	7.9	239.7	5.3	48	390	3.1	<2.0	<10	760	<3.0	28	1,000	13	A01, A90
MW-8	11/21/2011	649.00	--	1.50	283.9	5.3	48	530	3.4	<2.0	<10	660	1.6	30	780	13	
MW-8	2/2/2012	602	--	7.00	196.2	5.2	47	<100	3.4	<2.0	<10	730	<3.0	<10	800	3.6	S05
MW-8	5/14/2012	587	--	8.00	102.8	6.3	45	340	3.1	<2.0	<10	630	<3.0	23	680	10	S05
MW-8	8/13/2012	578	--	7.3	302.9	5.7	38	210	2.8	<2.0	<10	610	<3.0	12	730	12	A01, S05
MW-8	10/25/2012	587	--	7.0	70.85	4.8	36	600	3.4	<2.0	<10	560	<3.0	16	600	11	S05
MW-8	3/5/2013	533	--	5.7	216.6	3.7	43	<100	2.7	<2.0	<10	470	<3.0	<10	220	<3.0	S05
MW-8	5/7/2013	532	--	7.2	304.2	2.7	44	<100	4.2	<2.0	<10	640	<3.0	<10	700	<3.0	S05
MW-8	8/8/2013	555	--	5.5	78.3	12.0	38	200	2.4	<2.0	<10	470	<3.0	<10	580	4.8	S05
MW-8	11/6/2013	536	--	6.4	128.2	5.8	39	<100	5.8	<2.0	<10	170	<3.0	<10	530	6	S05
MW-8	**2/5/2014**	--	**0.61**	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	8/4/2011	629	--	7.8	333.4	15	45	280	2.3	5.2	<10	45	<3.0	56	660	27	A90
MW-9	11/21/2011	660	--	2.1	271.1	16.0	38	62 J	1.9	3.8	4.8 J	9.5	1.7 J	83	880	33	
MW-9	2/2/2012	640	--	6.9	288.1	19	40	<200	2.0	5.2	<10	2.0	<3.0	160	1,500	68	A10, S05
MW-9	5/14/2012	631	--	4.2	190.8	15	35	<100	2.0	3.3	<10	30	<3.0	34	360	15	S05
MW-9	8/13/2012	621	--	6.7	319.5	16	39	<100	1.9	<2.0	<10	47	<3.0	39	370	15	S05
MW-9	10/25/2012	616	--	5.4	171.3	16.0	38	<100	1.9	3.7	<10	240	3.1	20	270	15	S05
MW-9	3/5/2013	573	--	7.5	264.5	16	38	<100	1.9	<2.0	<10	12	<3.0	<10	37	<3.0	S05
MW-9	5/7/2013	576	--	5.9	322.0	16	40	<100	2.1	2.1	<10	64	<3.0	<10	160	3.6	S05
MW-9	8/8/2013	571	--	7.1	165.2	15	40	<100	3.3	<2.0	<10	79	<3.0	<10	200	4.8	S05
MW-9	11/6/2013	554	--	6.6	130.3	12	37	<100	2.1	<2.0	<10	170	<3.0	<10	100	<3.0	S05
MW-9	**2/5/2014**	--	**0.56**	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	8/4/2011	450	--	7.0	282.4	21	32	390	1.7	6.7	<10	13	<3.0	19	150	6.3	
MW-10	11/21/2011	546.4	--	1.12	319.1	19	30	<100	1.3	6.4	7.9 J	2.9	1.0 J	13	92	3.1	
MW-10	2/2/2012	535	--	6.90	297.6	20	34	<100	1.4	10	11	5.3	<3.0	16	62	3.7	S05
MW-10	5/14/2012	538	--	5.80	219.5	19	34	<100	1.5	11	11	4.9	<3.0	14	41	<3.0	S05
MW-10	8/13/2012	514	--	6.1	318.2	20	34	<100	1.4	9.4	11	7.1	<3.0	14	35	3.3	S05
MW-10	10/25/2012	512	--	6.5	243.9	20	34	<100	1.5	10	<10	96.0	<3.0	13	110	4.3	S05
MW-10	3/5/2013	445	--	3.8	292.9	19	32	<100	1.4	6.5	<10	5.4	<3.0	<10	30	3.1	S05
MW-10	5/7/2013	429	--	6.2	333.9	17	32	<100	3.2	6.9	<10	20	<3.0	<10	49	3.8	S05
MW-10	8/8/2013	369	--	8.0	193.4	15	28	<100	2.7	5.0	<10	6.5	<3.0	<10	30	<3.0	S05
MW-10	11/6/2013	342	--	4.7	137.2	14	23	<100	1.3	4.7	<10	3	<3.0	<10	12	<3.0	S05
MW-10	**2/5/2014**	--	**0.44**	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2a
Historic Additional Groundwater Analytical Results
Unocal Site 0843
1629 Webster Street, Alameda, California

Well ID	Date Sampled	EC @ 25°C (umhos/cm)	Field Conductivity (umhos/cm - mS)	DO (mg/l)	ORP (mV)	Nitrate as NO_3 (mg/l)	Sulfate (mg/l)	Ferrous Iron	Non-Volatile Organic Compounds (mg/l)	Hexavalent Chromium	Dissolved Chromium	Dissolved Manganese	Dissolved Vanadium	Total Chromium	Total Recoverable Manganese	Total Recoverable Vanadium	Comments
MW-11	8/4/2011	685	--	8.0	518.6	9.8	27	210	3.1	<2.0	<10	250	<3.0	<10	980	3.6	A01, A90
MW-11	11/21/2011	765.5	--	1.3	240.2	6.6	26	<100	2.5	<2.0	<10	370	<3.0	2.7 J	950	2.6 J	
MW-11	2/2/2012	732	--	6.8	288.8	7.0	29	<100	2.7	<2.0	<10	540	<3.0	<10	830	<3.0	S05
MW-11	5/14/2012	741	--	5.1	521.5	6.9	30	<100	2.8	<2.0	<10	450	<3.0	<10	760	4.0	S05
MW-11	8/13/2012	708	--	6.3	497.2	7.9	31	<100	2.4	<2.0	<10	540	<3.0	<10	620	<3.0	S05
MW-11	10/25/2012	717	--	5.9	264.1	5.2	28	260	3.0	<2.0	<10	570	<3.0	23.00	620	12	S05
MW-11	3/5/2013	716	--	3.7	307.8	5.9	28	<100	2.7	<2.0	<10	490	3.2	<10	580	<3.0	S05
MW-11	5/7/2013	702	--	9.5	363.4	7.5	30	<100	3.2	<2.0	<10	630	<3.0	<10	680	4.4	S05
MW-11	8/8/2013	705	--	7.6	251.2	6.1	30	<100	4.7	<2.0	<10	430	<3.0	<10	590	<3.0	S05
MW-11	11/6/2013	670	--	4.4	145.0	6	28	<100	2.4	<2.0	<10	120	<3.0	<10	100	<3.0	S05
MW-11	**2/5/2014**	--	**0.85**	--	--	--	--	--	--	--	--	--	--	--	--	--	

Note

Analytical results given in micrograms per liter (µg/l) unless otherwise noted

Standard Abbreviations

--	not analyzed, measured, or collected
<	not detected at or above laboratory detection limit
umhos/cm	micromhos per centimeter
mS	millisiemens
mg/l	milligrams per liter (approx. equivalent to parts per million, ppm)
µg/l	micrograms per liter (approx. equivalent to parts per billion, ppb)
mV	millivolts
EC	electrical conductivity
DO	dissolved oxygen
ORP	oxidation reduction potential
A01	PQL's and MDL's are raised due to sample dilution.
A10	PQL's and MDL's were raised due to matrix interference.
A90	TPPH does not exhibit a "gasoline" pattern. TPPH is entirely due to MTBE.
S05	The sample holding time was exceeded.
PQL	practical quantitation limit
MDL	method detection lmit

ARCADIS

Attachment A

Field Data Sheets and General Procedures

GETTLER-RYAN INC.

TRANSMITTAL

February 18, 2014
G-R #385600

TO: Ms. Katherine Brandt
Arcadis
2000 Powell Street, 7th Floor
Emeryville, CA 94608

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Chevron Facility
#351849/0843
1629 Webster Street
Alameda, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **First Quarter Event of February 5, 2014**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/351646 0752

WELL CONDITION STATUS SHEET

Client/
Facility #: **Chevron #351849 / 0843**
Site Address: **1629 Webster Street**
City: **Alameda, CA**

Job #: **385600**
Event Date: 2-5-14
Sampler: AW

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retap	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/N
mw-6	OK	→	→	→	→	→	→	N	N	BL/8"/3	N
mw-5	OK	→	→	→	→	→	→	↓	↓	Emco/12"/2	↓
mw-1	OK	→	→	3S	OK	→	→	↓	↓	BL/8"/3	↓
mw-3	OK	→	3M	5S	OK	→	→	↓	↓	↓	↓
mw-4	OK	→	→	→	→	→	→	↓	↓	↓	↓
mw-8	OK	→	→	1B	OK	→	→	↓	↓	morrison/8"/2	↓
mw-7	OK	→	→	→	→	→	→	↓	↓	↓	↓
mw-11	OK	→	→	1B/1S	OK	→	→	↓	↓	↓	↓
mw-9	OK	→	→	1B	OK	→	→	↓	↓	↓	↓
mw-1AR	OK	→	→	1B	OK	→	→	↓	↓	↓	↓
mw-1BR	OK	→	→	→	→	→	→	↓	↓	↓	↓
mw-10	OK	→	→	→	→	→	→	↓	↓	morrison/12"/2	↓

Comments

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. (GR) field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. All work is performed in accordance with the GR Health & Safety Plan and all client-specific programs. The scope of work and type of analysis to be performed is determined prior to commencing field work.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, peristaltic or Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging (additional parameters such as dissolved oxygen, oxidation reduction potential, turbidity may also be measured, depending on specific scope of work.). Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by Clean Harbors Environmental Services to Seaport Environmental located in Redwood City, California.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351849 / 0843** Job Number: **385600**

Site Address: **1629 Webster Street** Event Date: 2-5-14 (inclusive)

City: **Alameda, CA** Sampler: AW

Well ID **MW- 1** Date Monitored: 2-5-14

Well Diameter 2 in.

Total Depth 20.00 ft.

Depth to Water 9.22 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

10.78 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Suction Pump _____
Grundfos _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:

Disposable Bailer _____
Pressure Bailer _____
Metal Filters _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: _____ ft
Depth to Water: _____ ft
Hydrocarbon Thickness: _____ ft
Visual Confirmation/Description: _____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: _____ gal
Amt Removed from Well: _____ gal
Water Removed: _____

Start Time (purge): _____ Weather Conditions: _____

Sample Time/Date: _____ / _____ Water Color: _____ Odor: **Y / N** _____

Approx. Flow Rate: _____ gpm. Sediment Description: _____

Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: _____

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
					PRE:	PRE:
					POST:	POST:

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX+MTBE(8260)/TBA/TAME/ETBE/ DIPE/EDB/EDC(8260)/ETHANOL(8260)

COMMENTS: M/b

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Lock: _____ Add/Replaced Plug: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351849 / 0843** Job Number: **385600**

Site Address: **1629 Webster Street** Event Date: 2-5-14 (inclusive)

City: **Alameda, CA** Sampler: AW

Well ID MW- 1AR Date Monitored: 2-5-14

Well Diameter 2 in.

Total Depth 29.75 ft.

Depth to Water 9.41 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

20.34 xVF .17 = 3.45 x3 case volume = Estimated Purge Volume: 10.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.47

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	✓
Suction Pump	
Grundfos	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	✓
Pressure Bailer	
Metal Filters	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 1250 Weather Conditions: Sunny

Sample Time/Date: 1320 / 2-5-14 Water Color: Clear Odor: Y / N

Approx. Flow Rate: 1.0 gpm. Sediment Description: Clear

Did well de-water? N If yes, Time: - Volume: - gal. DTW @ Sampling: 11.61

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - mS/µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1254	3.5	6.93	0.39	15.7	PRE:	PRE: -
1258	7.0	6.99	0.45	16.0		
1302	10.5	7.02	0.52	16.3		
					POST: -	POST: -

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 1AR	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX+MTBE(8260)/TBA/TAME/ETBE/ DIPE/EDB/EDC(8260)/ETHANOL(8260)

COMMENTS:

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Lock: Add/Replaced Plug:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351849 / 0843 Job Number: 385600
Site Address: 1629 Webster Street Event Date: 2-5-14 (inclusive)
City: Alameda, CA Sampler: AW

Well ID MW- 1BR Date Monitored: 2-5-14
Well Diameter 2 in.
Total Depth 34.47 ft.
Depth to Water 9.30 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

25.17 xVF .17 = 4.27 x3 case volume = Estimated Purge Volume: 13.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.33

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	✓
Suction Pump	
Grundfos	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	✓
Pressure Bailer	
Metal Filters	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 1140 Weather Conditions: Sunny
Sample Time/Date: 1205 / 2-5-14 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: 1-2 gpm. Sediment Description: Clear
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 12.76

Time (2400 hr.)	Volume (gal.)	pH	Conductivity MS (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1142	4.0	6.83	0.36	16.1	PRE: —	PRE: —
1144	8.0	6.94	0.49	16.3		
1149	13.0	7.00	0.55	16.4		
					POST: —	POST: —

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 1BR	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX+MTBE(8260)/TBA/TAME/ETBE/ DIPE/EDB/EDC(8260)/ETHANOL(8260)

COMMENTS:

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Lock: Add/Replaced Plug:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351849 / 0843** Job Number: **385600**

Site Address: **1629 Webster Street** Event Date: 2-5-14 (inclusive)

City: **Alameda, CA** Sampler: AW

Well ID **MW- 3** Date Monitored: 2-5-14

Well Diameter **2** in.

Total Depth **19.82** ft.

Depth to Water **8.22** ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

11.60 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Suction Pump _____
Grundfos _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:

Disposable Bailer _____
Pressure Bailer _____
Metal Filters _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: _____ ft
Depth to Water: _____ ft
Hydrocarbon Thickness: _____ ft
Visual Confirmation/Description: _____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: _____ gal
Amt Removed from Well: _____ gal
Water Removed: _____

Start Time (purge): _____ Weather Conditions: _____

Sample Time/Date: _____ / _____ Water Color: _____ Odor: **Y / N** _____

Approx. Flow Rate: _____ gpm. Sediment Description: _____

Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: _____

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
					PRE:	PRE:
					POST:	POST:

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX+MTBE(8260)/TBA/TAME/ETBE/ DIPE/EDB/EDC(8260)/ETHANOL(8260)

COMMENTS: M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Lock: _____ Add/Replaced Plug: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351849 / 0843** Job Number: **385600**

Site Address: **1629 Webster Street** Event Date: 2-5-14 (inclusive)

City: **Alameda, CA** Sampler: AW

Well ID MW-4 Date Monitored: 2-5-14

Well Diameter 2 in.

Total Depth 16.57 ft.

Depth to Water 8.20 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

8.37 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Suction Pump _____
Grundfos _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:

Disposable Bailer _____
Pressure Bailer _____
Metal Filters _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: _____ ft
Depth to Water: _____ ft
Hydrocarbon Thickness: _____ ft
Visual Confirmation/Description: _____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: _____ gal
Amt Removed from Well: _____ gal
Water Removed: _____

Start Time (purge): _____ Weather Conditions: _____

Sample Time/Date: _____ / _____ Water Color: _____ Odor: **Y / N** _____

Approx. Flow Rate: _____ gpm. Sediment Description: _____

Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: _____

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
					PRE:	PRE:
					POST:	POST:

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX+MTBE(8260)/TBA/TAME/ETBE/ DIPE/EDB/EDC(8260)/ETHANOL(8260)

COMMENTS: M/O

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Lock: _____ Add/Replaced Plug: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351849 / 0843** Job Number: **385600**

Site Address: **1629 Webster Street** Event Date: 2-5-14 (inclusive)

City: **Alameda, CA** Sampler: AW

Well ID: MW-5 Date Monitored: 2-5-14

Well Diameter: 2 in.

Total Depth: 20.27 ft.

Depth to Water: 7.31 ft. ☐ Check if water column is less then 0.50 ft.

12.96 xVF .17 = 2.20 x3 case volume = Estimated Purge Volume: 7.0 gal.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.90

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 0755 Weather Conditions: Dark. / Dawn

Sample Time/Date: 0825 / 2-5-14 Water Color: Clear Odor: Y (N)

Approx. Flow Rate: — gpm. Sediment Description: Clear

Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 9.11

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0800	2.5	7.05	0.56	13.6	PRE: —	PRE: —
0805	5.0	7.11	0.59	14.0		
0810	7.0	7.15	0.63	14.2		
					POST: —	POST: —

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX+MTBE(8260)/TBA/TAME/ETBE/ DIPE/EDB/EDC(8260)/ETHANOL(8260)

COMMENTS:

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Lock: _____ Add/Replaced Plug: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351849 / 0843** Job Number: **385600**

Site Address: **1629 Webster Street** Event Date: 2-5-14 (inclusive)

City: **Alameda, CA** Sampler: AW

Well ID MW-6 Date Monitored: 2-5-14

Well Diameter 2 in.

Total Depth 20.15 ft.

Depth to Water 7.43 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

12.72 xVF .17 = 2.16 x3 case volume = Estimated Purge Volume: 6.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.97

Purge Equipment:

Disposable Bailer	✓
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	✓
Pressure Bailer	
Metal Filters	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 0708 Weather Conditions: Dark

Sample Time/Date: 0740 / 2-5-14 Water Color: Clear Odor: Y / N

Approx. Flow Rate: - gpm. Sediment Description: Clear

Did well de-water? N If yes, Time: - Volume: - gal. DTW @ Sampling: 9.50

Time (2400 hr.)	Volume (gal.)	pH	Conductivity MS (µmhos/cm - ~~µS~~)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)
0715	2.5	7.16	0.50	13.0	PRE: -	PRE: -
0720	4.5	7.19	0.53	13.2		
0725	6.5	7.20	0.57	13.5		
					POST: -	POST: -

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX+MTBE(8260)/TBA/TAME/ETBE/ DIPE/EDB/EDC(8260)/ETHANOL(8260)

COMMENTS:

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Lock: Add/Replaced Plug:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: **Chevron #351849 / 0843** Job Number: **385600**

Site Address: **1629 Webster Street** Event Date: 2-5-14 (inclusive)

City: **Alameda, CA** Sampler: AW

Well ID MW-7 Date Monitored: 2-5-14

Well Diameter 2 in.

Total Depth 29.10 ft.

Depth to Water 7.95 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

21.15 xVF .17 = 3.59 x3 case volume = Estimated Purge Volume: 11.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.18

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	✓
Suction Pump	
Grundfos	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	✓
Pressure Bailer	
Metal Filters	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 0920 Weather Conditions: Sunny

Sample Time/Date: 0945 / 2-5-14 Water Color: Clear Odor: Y / (N)

Approx. Flow Rate: 2.0 gpm. Sediment Description: Clear

Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 11.06

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0922	4.0	6.86	0.59	17.2	PRE: —	PRE: —
0924	8.0	6.95	0.63	17.5		
0926	11.0	6.99	0.69	17.8		
					POST: —	POST: —

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX+MTBE(8260)/TBA/TAME/ETBE/ DIPE/EDB/EDC(8260)/ETHANOL(8260)

COMMENTS:

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Lock: Add/Replaced Plug:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351849 / 0843** Job Number: **385600**

Site Address: **1629 Webster Street** Event Date: 2-5-14 (inclusive)

City: **Alameda, CA** Sampler: AW

Well ID MW- 8 Date Monitored: 2-5-14

Well Diameter 2 in.

Total Depth 29.54 ft.

Depth to Water 8.31 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

21.23 xVF .17 = 3.60 x3 case volume = Estimated Purge Volume: 11.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.55

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	✓
Suction Pump	
Grundfos	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	✓
Pressure Bailer	
Metal Filters	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 0840 Weather Conditions: Sunny

Sample Time/Date: 0910 / 2-5-14 Water Color: Clear Odor: Y / N

Approx. Flow Rate: 1.0 gpm. Sediment Description: Clear

Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 11.86

Time (2400 hr.)	Volume (gal.)	pH	Conductivity mS (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0844	4.0	6.81	0.51	15.6	PRE: —	PRE: —
0848	8.0	6.85	0.55	15.7		
0851	11.0	6.88	0.61	15.9		
					POST: —	POST: —

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 8	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX+MTBE(8260)/TBA/TAME/ETBE/ DIPE/EDB/EDC(8260)/ETHANOL(8260)

COMMENTS:

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Lock: Add/Replaced Plug:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351849 / 0843** Job Number: **385600**

Site Address: **1629 Webster Street** Event Date: 2-5-14 (inclusive)

City: **Alameda, CA** Sampler: AW

Well ID MW- 9 Date Monitored: 2-5-14

Well Diameter 2 in.

Total Depth 24.45 ft.

Depth to Water 8.95 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

15.50 xVF .17 = 2.63 x3 case volume = Estimated Purge Volume: 8.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.05

Purge Equipment:

Disposable Bailer	✓
Stainless Steel Bailer	
Stack Pump	✓
Suction Pump	
Grundfos	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	✓
Pressure Bailer	
Metal Filters	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 1030 Weather Conditions: Sunny

Sample Time/Date: 1055 / 2-5-14 Water Color: Clear Odor: Y / N

Approx. Flow Rate: - gpm. Sediment Description: Clear

Did well de-water? N If yes, Time: - Volume: - gal. DTW @ Sampling: 10.40

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1037	3.0	7.21	0.57	16.9	PRE: -	PRE: -
1045	6.0	6.79	0.56	17.9		
1050	8.0	6.81	0.56	18.2		
					POST: -	POST: -

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 9	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX+MTBE(8260)/TBA/TAME/ETBE/ DIPE/EDB/EDC(8260)/ETHANOL(8260)

COMMENTS:

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Lock: _____ Add/Replaced Plug: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351849 / 0843** Job Number: **385600**

Site Address: **1629 Webster Street** Event Date: 2-5-14 (inclusive)

City: **Alameda, CA** Sampler: AW

Well ID MW-10 Date Monitored: 2-5-14

Well Diameter 2 in.

Total Depth 29.05 ft.

Depth to Water 8.99 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

20.06 xVF .17 = 3.41 x3 case volume = Estimated Purge Volume: 10.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.00

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	✓
Suction Pump	
Grundfos	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	✓
Pressure Bailer	
Metal Filters	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 1215 Weather Conditions: Sunny

Sample Time/Date: 1240 / 2-5-14 Water Color: Clear Odor: Y / N

Approx. Flow Rate: 1-2 gpm. Sediment Description: Clear

Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 11.66

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (@ / F)	D.O. (mg/L)	ORP (mV)
1219	3.5	6.98	0.34	16.5	PRE: —	PRE: —
1223	7.0	7.02	0.40	16.9		
1228	10.5	7.05	0.44	17.2		
					POST: —	POST: —

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX+MTBE(8260)/TBA/TAME/ETBE/ DIPE/EDB/EDC(8260)/ETHANOL(8260)

COMMENTS:

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Lock: Add/Replaced Plug:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351849 / 0843 Job Number: 385600
Site Address: 1629 Webster Street Event Date: 2-5-14 (inclusive)
City: Alameda, CA Sampler: AW

Well ID MW-11 Date Monitored: 2-5-14
Well Diameter 2 in.
Total Depth 27.52 ft.
Depth to Water 8.88 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

18.64 xVF .17 = 3.16 x3 case volume = Estimated Purge Volume: 9.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.60

Purge Equipment:		Sampling Equipment:	
Disposable Bailer		Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump	✓	Metal Filters	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 0955 Weather Conditions: Sunny
Sample Time/Date: 1020 / 2-5-14 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: 2.0 gpm. Sediment Description: clear
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 11.77

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - ~~µS~~ MS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0957	3.5	6.73	0.72	17.1	PRE: —	PRE: —
0959	6.5	6.85	0.80	17.3		
1002	9.5	6.89	0.85	17.6		
					POST: —	POST: —

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-11	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX+MTBE(8260)/TBA/TAME/ETBE/ DIPE/EDB/EDC(8260)/ETHANOL(8260)

COMMENTS:

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Lock: Add/Replaced Plug:

CHAIN OF CUSTODY FORM

Union Oil Company of California ■ 6101 Bollinger Canyon Road ■ San Ramon, CA 94583

COC 1 of 1

Union Oil Site ID: 43	Union Oil Consultant: Tradis
Site Global ID: T[illegible]2263	Consultant Contact: Katrina Brodt
Site Address: [illegible] Webster St Alameda, CA	Consultant Phone No.: [illegible]
Union Oil PM: Tim Bishop	Sampling Company: [illegible]
Union Oil PM Phone No.: 925-710-2463	Sampled By (PRINT): Alex [illegible]
Charge Code: NWRTB-0 51549 -0- LAB	Sampler Signature:
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	BC Laboratories, Inc. **Project Manager: Molly Meyers** 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

ANALYSES REQUIRED

Turnaround Time (TAT): Standard ☒ 24 Hours ☐ 48 Hours ☐ 72 Hours ☐

Special Instructions

SAMPLE ID						TPH - Diesel by EPA 8015	TPH - G by [illegible]	BTEX/MTBE/[illegible] 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	TBA/TAME/ETBE/DIPE/EDB/EDC (8260)						Notes / Comments
Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers												
GA	W-S-A		140205	—	2		X	X									
MW-1AR	W-S-A			1320	6		X	X	X		X						
MW-1BR	W-S-A			1205	6												
MW-5	W-S-A			1325	6												
MW-6	W-S-A			1740	6												
MW-7	W-S-A			1745	6												
MW-8	W-S-A			0710	6												
MW-9	W-S-A			1055	6												
MW-10	W-S-A			1740	6												
MW-11	W-S-A			1020	6												
	W-S-A																
	W-S-A																

Relinquished By	Company	Date / Time:
[signature]	GRIMC	2-5-14 /
Relinquished By	Company	Date / Time :
[signature]	GRIMC	
Relinquished By	Company	Date / Time:

Received By	Company	Date / Time:
Mary Bogan	BCLab	2-5-14 1515
Received By	Company	Date / Time :
Received By	Company	Date / Time:

ARCADIS

Attachment B

Historical Groundwater Results from TRC

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 14, 2011
Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1														
2/14/2011	19.13	6.78	0	12.35	1.35	--	580	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	1100	
MW-1AR														
2/14/2011	19.29	7.01	0	12.28	1.19	--	58	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	91	
MW-1BR														
2/14/2011	19.13	6.96	0	12.17	1.50	--	80	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	140	
MW-3														
2/14/2011	18.05	6.04	0	12.01	1.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	45	
MW-4														
2/14/2011	18.14	5.94	0	12.20	1.48	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-5														
2/14/2011	16.45	5.49	0	10.96	0.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-6														
2/14/2011	16.97	5.63	0	11.34	0.91	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	180	
MW-7														
2/14/2011	17.81	6.33	0	11.48	0.90	--	7900	ND<50	ND<50	ND<50	ND<100	--	13000	
MW-8														
2/14/2011	18.13	6.22	0	11.91	1.38	--	3900	ND<25	ND<25	ND<25	ND<50	--	7100	
MW-9														
2/14/2011	18.75	6.69	0	12.06	1.33	--	170	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	320	
MW-10														
2/14/2011	18.84	6.71	0	12.13	1.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.9	
MW-11														
2/14/2011	18.72	6.52	0	12.20	1.48	--	3500	ND<6.2	ND<6.2	ND<6.2	ND<12	--	7400	

Table 1a
ADDITIONAL CURRENT ANALYTICAL RESULTS

Former 76 Station 0843

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Carbon (organic, total) (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Chromium (dissolved) (µg/l)	Iron Ferrous (µg/l)	Comments
MW-1													
2/14/2011	99	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.6	2.7	91	ND<10	ND<500	
MW-1AR													
2/14/2011	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.0	2.6	ND<10	ND<10	420	
MW-1BR													
2/14/2011	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.7	3.7	34	ND<10	290	
MW-3													
2/14/2011	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	
MW-4													
2/14/2011	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	
MW-5													
2/14/2011	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	
MW-6													
2/14/2011	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	
MW-7													
2/14/2011	ND<1000	ND<25000	ND<50	ND<50	ND<50	ND<50	ND<50	4.1	ND<2.0	43	ND<10	2700	
MW-8													
2/14/2011	ND<500	ND<12000	ND<25	ND<25	ND<25	ND<25	ND<25	3.7	ND<2.0	59	ND<10	440	
MW-9													
2/14/2011	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.4	6.6	22	ND<10	230	
MW-10													
2/14/2011	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.8	14	18	15	160	
MW-11													
2/14/2011	670	ND<3100	ND<6.2	ND<6.2	ND<6.2	ND<6.2	ND<6.2	3.5	ND<2.0	14	ND<10	240	

Table 1b
ADDITIONAL CURRENT ANALYTICAL RESULTS

Former 76 Station 0843

Date Sampled	Manganese (dissolved) (µg/l)	Manganese (total) (µg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Oxygen (Lab) (mg O/)	Redox Potential (ORP-Lab) (mV)	Specific Con-ductance (umhos)	Post-purge Dissolved Oxygen ()	Pre-purge Dissolved Oxygen ()	Pre-purge ORP ()	Post-purge ORP ()	Comments
MW-1												
2/14/2011	5.4	530	18	25	8.9	418.5	509	6.45	4.45	355	356	
MW-1AR												
2/14/2011	150	190	21	32	7.3	217.9	537	1.31	1.48	349	362	
MW-1BR												
2/14/2011	73	170	29	28	8.1	286.1	531	1.07	1.74	356	351	
MW-3												
2/14/2011	--	--	--	--	4.9	288.9	587	1.15	2.43	187	188	
MW-4												
2/14/2011	--	--	--	--	9.2	294.6	770	7.02	6.84	187	172	
MW-5												
2/14/2011	--	--	--	--	6.0	317.6	617	1.55	2.81	179	195	
MW-6												
2/14/2011	--	--	--	--	5.2	326.6	542	1.01	2.16	195	198	
MW-7												
2/14/2011	920	1000	2.9	55	8.0	191.4	713	0.94	1.20	198	76	
MW-8												
2/14/2011	830	1400	5.8	75	8.0	267.0	694	2.81	3.44	197	188	
MW-9												
2/14/2011	60	440	8.1	29	9.5	305.5	690	0.78	0.64	349	346	
MW-10												
2/14/2011	43	45	13	30	9.2	326.6	560	2.25	3.77	342	355	
MW-11												
2/14/2011	560	760	3.1	21	9.4	473.7	750	0.88	0.56	337	324	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 14, 2011
Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1														
3/5/1999	16.18	--	--	--	--	86.6	--	ND	2.04	ND	4.06	--	23.9	
6/3/1999	16.18	6.24	0	9.94	--	ND	--	ND	ND	ND	ND	ND	ND	
9/2/1999	16.18	7.19	0	8.99	-0.95	ND	--	ND	ND	ND	ND	ND	ND	
12/14/1999	16.18	8.07	0	8.11	-0.88	ND	--	ND	ND	ND	ND	ND	--	
3/14/2000	16.18	5.47	0	10.71	2.60	ND	--	ND	ND	ND	ND	ND	--	
5/31/2000	16.18	6.22	0	9.96	-0.75	ND	--	ND	ND	ND	ND	ND	--	
8/29/2000	16.18	6.82	0	9.36	-0.60	ND	--	ND	ND	ND	ND	ND	--	
12/1/2000	16.18	7.54	0	8.64	-0.72	ND	--	ND	ND	ND	ND	ND	--	
3/17/2001	16.18	5.73	0	10.45	1.81	ND	--	ND	ND	ND	ND	ND	--	
5/23/2001	16.18	6.43	0	9.75	-0.70	ND	--	ND	ND	ND	ND	ND	--	
9/24/2001	16.18	7.12	0	9.06	-0.69	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
12/10/2001	16.18	6.89	0	9.29	0.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
3/11/2002	16.18	5.61	0	10.57	1.28	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
6/7/2002	16.18	5.71	0	10.47	-0.10	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
9/3/2002	16.18	--	--	--	--	--	--	--	--	--	--	--	--	Not monitored/sampled
12/12/2002	16.18	7.80	0	8.38	--	--	--	--	--	--	--	--	--	No longer sampled
3/13/2003	16.18	5.94	0	10.24	1.86	--	--	--	--	--	--	--	--	
6/12/2003	16.18	6.10	0	10.08	-0.16	--	--	--	--	--	--	--	--	
9/12/2003	16.18	6.65	0	9.53	-0.55	--	--	--	--	--	--	--	--	
12/31/2003	16.18	5.74	0	10.44	0.91	--	--	--	--	--	--	--	--	Monitored only
2/12/2004	16.18	6.02	0	10.16	-0.28	--	--	--	--	--	--	--	--	Monitored only
6/7/2004	16.18	6.61	0	9.57	-0.59	--	--	--	--	--	--	--	--	Monitored only
9/17/2004	16.18	7.58	0	8.60	-0.97	--	--	--	--	--	--	--	--	Sampled Q1 only
12/11/2004	16.18	6.49	0	9.69	1.09	--	--	--	--	--	--	--	--	Sampled Q1 only
3/15/2005	16.18	5.28	0	10.90	1.21	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	27	
5/17/2005	16.18	5.83	0	10.35	-0.55	--	--	--	--	--	--	--	--	Sampled Q1 only
7/27/2005	16.18	6.52	0	9.66	-0.69	--	--	--	--	--	--	--	--	Sampled Q1 only
11/23/2005	16.18	7.28	0	8.90	-0.76	--	--	--	--	--	--	--	--	Sampled Q1 only
2/24/2006	16.18	6.60	0	9.58	0.68	--	910	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5100	
5/30/2006	16.18	6.48	0	9.70	0.12	--	--	--	--	--	--	--	--	Sampled Q1 only
8/30/2006	16.18	9.51	0	6.67	-3.03	--	--	--	--	--	--	--	--	Sampled Q1 only
11/22/2006	16.18	7.05	0	9.13	2.46	--	220	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	420	
2/23/2007	16.18	6.40	0	9.78	0.65	--	1300	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	1700	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 14, 2011
Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
5/18/2007	16.18	6.65	0	9.53	-0.25	--	2300	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	3300	
8/10/2007	16.18	7.26	0	8.92	-0.61	--	4100	ND<25	ND<25	ND<25	ND<25	--	4300	
11/9/2007	16.18	7.40	0	8.78	-0.14	--	5700	ND<25	ND<25	ND<25	ND<25	--	5400	
2/8/2008	16.18	6.09	0	10.09	1.31	--	2600	ND<5.0	ND<5.0	ND<5.0	ND<10	--	4100	
5/16/2008	16.18	6.87	0	9.31	-0.78	--	1800	ND<12	ND<12	ND<12	42	--	3500	
8/15/2008	16.18	7.78	0	8.40	-0.91	--	1200	ND<5.0	ND<5.0	ND<5.0	ND<10	--	1900	
11/26/2008	16.18	8.65	0	7.53	-0.87	--	720	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2400	
2/24/2009	19.13	6.73	0	12.40	4.87	--	630	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2300	
5/28/2009	19.13	6.46	0	12.67	0.27	--	1000	ND<10	ND<10	ND<10	ND<20	--	4100	
9/14/2009	19.13	7.60	0	11.53	-1.14	--	1700	ND<5.0	ND<5.0	ND<5.0	ND<10	--	2100	
11/13/2009	19.13	7.83	0	11.30	-0.23	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
2/5/2010	19.13	6.72	0	12.41	1.11	--	1600	ND<12	ND<12	ND<12	ND<25	--	3400	
6/7/2010	19.13	6.58	0	12.55	0.14	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
8/3/2010	19.13	7.20	0	11.93	-0.62	--	280	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	1400	
11/11/2010	19.13	8.13	0	11.00	-0.93	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
2/14/2011	19.13	6.78	0	12.35	1.35	--	580	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	1100	
MW-1AR														
5/28/2009	19.29	7.25	0	12.04	--	--	380	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	930	
9/14/2009	19.29	7.83	0	11.46	-0.58	--	480	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	890	
11/13/2009	19.29	8.07	0	11.22	-0.24	--	290	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	580	
2/5/2010	19.29	7.15	0	12.14	0.92	--	140	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	350	
6/7/2010	19.29	6.90	0	12.39	0.25	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	200	
8/3/2010	19.29	7.48	0	11.81	-0.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	81	
11/11/2010	19.29	8.20	0	11.09	-0.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	120	
2/14/2011	19.29	7.01	0	12.28	1.19	--	58	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	91	
MW-1BR														
5/28/2009	19.13	6.70	0	12.43	--	--	290	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	810	
9/14/2009	19.13	7.80	0	11.33	-1.10	--	450	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	680	
11/13/2009	19.13	7.88	0	11.25	-0.08	--	270	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	490	
2/5/2010	19.13	7.84	0	11.29	0.04	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	280	
6/7/2010	19.13	7.28	0	11.85	0.56	--	180	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	320	
8/3/2010	19.13	7.44	0	11.69	-0.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	280	
11/11/2010	19.13	8.46	0	10.67	-1.02	--	75	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	230	
2/14/2011	19.13	6.96	0	12.17	1.50	--	80	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	140	
MW-2														

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 14, 2011
Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
3/5/1999	15.57	--	0	--	--	34400	--	2070	7710	2340	8240	--	8460	
6/3/1999	15.57	5.96	0	9.61	--	51200	--	1820	7570	2510	7320	6460	8800	
9/2/1999	15.57	6.85	0	8.72	-0.89	17000	--	1000	3100	1400	3700	4000	3720	
12/14/1999	15.57	7.65	0	7.92	-0.80	83000	--	3000	22000	4500	17000	9100	11000	
3/14/2000	15.57	5.26	0	10.31	2.39	31000	--	1600	4600	2300	7300	5700	8700	
5/31/2000	15.57	5.60	0	9.97	-0.34	9970	--	598	1030	487	2060	2500	1670	
8/29/2000	15.57	6.35	0	9.22	-0.75	7900	--	390	1500	280	1900	1800	1300	
12/1/2000	15.57	7.06	0	8.51	-0.71	87500	--	1860	17400	5590	19400	6220	3790	
3/17/2001	15.57	5.98	0	9.59	1.08	4310	--	371	59.0	280	682	321	433	
5/23/2001	15.57	6.97	0	8.60	-0.99	45400	--	374	4490	2790	10900	ND	406	
9/24/2001	15.57	7.56	0	8.01	-0.59	76000	--	430	13000	4700	18000	ND<2000	480	
12/10/2001	15.57	6.52	0	9.05	1.04	82000	--	320	9100	4400	16000	ND<2500	270	
3/11/2002	15.57	5.51	0	10.06	1.01	14000	--	75	1400	1100	3600	ND<250	150	
6/7/2002	15.57	5.73	0	9.84	-0.22	14000	--	120	1200	1400	4700	540	200	
9/3/2002	15.57	6.81	0	8.76	-1.08	10000	--	150	1200	610	2800	510	460	
12/12/2002	15.57	--	--	--	--	--	--	--	--	--	--	--	--	troyed; Replaced with MW
MW-2A														
12/12/2002	15.56	7.45	0	8.11	--	3400	--	80	260	210	1000	380	400	
3/13/2003	--	5.85	0	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	1.8	2.4	2.4	
6/12/2003	--	6.08	0	--	--	ND<50	--	0.59	0.69	ND<0.50	1.2	6.0	4.7	
9/12/2003	15.56	6.54	0	9.02	--	--	120	1.8	4.2	6.1	20	--	6.6	
12/31/2003	15.56	5.63	0	9.93	0.91	88	--	0.79	1.8	3.6	14	ND<5.0	2.9	
2/12/2004	15.56	5.68	0	9.88	-0.05	160	--	2.6	4.8	13	48	7.2	7.9	
6/7/2004	15.56	6.21	0	9.35	-0.53	94	--	0.80	1.2	2.1	9.1	4.5	3.7	
9/17/2004	15.56	7.16	0	8.40	-0.95	--	230	3.5	6.1	13	41	--	83	
12/11/2004	15.56	5.84	0	9.72	1.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.2	
3/15/2005	15.56	5.52	0	10.04	0.32	--	92	0.84	1.7	2.4	9.8	--	ND<10	
5/17/2005	15.56	5.55	0	10.01	-0.03	--	54	2.1	1.7	1.9	7.0	--	2.9	
7/27/2005	15.56	6.16	0	9.40	-0.61	--	ND<50	0.66	1.1	1.3	4.2	--	3.7	
11/23/2005	15.56	6.88	0	8.68	-0.72	--	120	1.3	2.8	7.8	30	--	10	
2/24/2006	15.56	5.79	0	9.77	1.09	--	84	0.51	1.2	4.2	16	--	7.2	
5/30/2006	15.56	5.62	0	9.94	0.17	--	69	0.90	2.2	3.7	14	--	4.1	
8/30/2006	15.56	6.38	0	9.18	-0.76	--	77	ND<0.50	0.50	1.0	3.3	--	2.5	
11/22/2006	15.56	6.60	0	8.96	-0.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	2.2	--	0.59	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 14, 2011
Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
2/23/2007	15.56	6.05	0	9.51	0.55	--	ND<50	ND<0.50	0.66	ND<0.50	1.1	--	0.72	
5/18/2007	15.56	6.29	0	9.27	-0.24	--	ND<50	ND<0.50	ND<0.50	0.68	1.6	--	0.81	
8/10/2007	15.56	6.90	0	8.66	-0.61	--	ND<50	ND<0.50	ND<0.50	1.6	3.9	--	ND<0.50	
11/9/2007	15.56	6.96	0	8.60	-0.06	--	ND<50	ND<0.50	ND<0.50	2.4	4.4	--	ND<0.50	
2/8/2008	15.56	5.76	0	9.80	1.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/16/2008	15.56	6.50	0	9.06	-0.74	--	ND<50	ND<0.50	ND<0.50	0.56	1.2	--	ND<0.50	
8/15/2008	15.56	7.35	0	8.21	-0.85	--	78	ND<0.50	0.79	2.9	6.5	--	ND<0.50	
11/26/2008	15.56	8.12	0	7.44	-0.77	--	120	0.56	0.66	4.6	6.0	--	1.8	
2/24/2009	18.51	6.19	0	12.32	4.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-3														
3/5/1999	15.11	--	0	--	--	135	--	ND	ND	ND	4.84	--	2.46	
6/3/1999	15.11	5.57	0	9.54	--	ND	--	ND	ND	ND	ND	5.23	12.7	
9/2/1999	15.11	6.50	0	8.61	-0.93	ND	--	ND	ND	ND	ND	13	11	
12/14/1999	15.11	7.28	0	7.83	-0.78	ND	--	ND	ND	ND	ND	ND	--	
3/14/2000	15.11	4.87	0	10.24	2.41	ND	--	ND	ND	ND	ND	7.2	6.3	
5/31/2000	15.11	5.58	0	9.53	-0.71	ND	--	ND	ND	ND	ND	ND	--	
8/29/2000	15.11	6.06	0	9.05	-0.48	ND	--	ND	ND	ND	ND	ND	ND	
12/1/2000	15.11	6.76	0	8.35	-0.70	ND	--	ND	ND	ND	ND	ND	--	
3/17/2001	15.11	5.09	0	10.02	1.67	ND	--	ND	ND	ND	ND	ND	--	
5/23/2001	15.11	5.72	0	9.39	-0.63	ND	--	ND	ND	ND	ND	ND	--	
9/24/2001	15.11	6.34	0	8.77	-0.62	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
12/10/2001	15.11	6.31	0	8.80	0.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
3/11/2002	15.11	5.15	0	9.96	1.16	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
6/7/2002	15.11	5.45	0	9.66	-0.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/12/2002	15.11	7.15	0	7.96	-1.70	--	--	--	--	--	--	--	--	No longer sampled
3/13/2003	15.11	5.37	0	9.74	1.78	--	--	--	--	--	--	--	--	
6/12/2003	15.11	5.51	0	9.60	-0.14	--	--	--	--	--	--	--	--	
9/12/2003	15.11	6.03	0	9.08	-0.52	--	--	--	--	--	--	--	--	
12/31/2003	15.11	5.62	0	9.49	0.41	--	--	--	--	--	--	--	--	Monitored only
2/12/2004	15.11	5.51	0	9.60	0.11	--	--	--	--	--	--	--	--	Monitored only
6/7/2004	15.11	5.92	0	9.19	-0.41	--	--	--	--	--	--	--	--	Monitored only
9/17/2004	15.11	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
12/11/2004	15.11	5.94	0	9.17	--	--	--	--	--	--	--	--	--	Sampled annually
3/11/2005	15.11	4.76	0	10.35	1.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 14, 2011
Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
5/17/2005	15.11	5.23	0	9.88	-0.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/27/2005	15.11	5.81	0	9.30	-0.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/23/2005	15.11	6.60	0	8.51	-0.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
2/24/2006	15.11	5.37	0	9.74	1.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.2	
5/30/2006	15.11	5.08	0	10.03	0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.92	
8/30/2006	15.11	5.52	0	9.59	-0.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.51	
11/22/2006	15.11	6.38	0	8.73	-0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.94	
2/23/2007	15.11	5.72	0	9.39	0.66	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.61	
5/18/2007	15.11	5.94	0	9.17	-0.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.1	
8/10/2007	15.11	7.64	0	7.47	-1.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/9/2007	15.11	6.75	0	8.36	0.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.1	
2/8/2008	15.11	5.39	0	9.72	1.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/16/2008	15.11	6.17	0	8.94	-0.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.2	
8/15/2008	15.11	7.01	0	8.10	-0.84	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.3	
11/26/2008	15.11	7.73	0	7.38	-0.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.8	
2/24/2009	18.05	5.98	0	12.07	4.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.9	
5/28/2009	18.05	5.64	0	12.41	0.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/14/2009	18.05	6.88	0	11.17	-1.24	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/13/2009	18.05	7.02	0	11.03	-0.14	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
2/5/2010	18.05	6.02	0	12.03	1.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.9	
6/7/2010	18.05	5.92	0	12.13	0.10	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
8/3/2010	18.05	6.47	0	11.58	-0.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.78	
11/11/2010	18.05	7.40	0	10.65	-0.93	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
2/14/2011	18.05	6.04	0	12.01	1.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	45	
MW-4														
3/5/1999	15.17	--	0	--	--	ND	--	ND	ND	ND	2.44	--	25.2	
6/3/1999	15.17	5.45	0	9.72	--	ND	--	ND	ND	ND	ND	ND	3.96	
9/2/1999	15.17	6.48	0	8.69	-1.03	ND	--	ND	ND	ND	ND	23	27	
12/14/1999	15.17	7.27	0	7.90	-0.79	ND	--	ND	ND	ND	ND	200	270	
3/14/2000	15.17	4.67	0	10.50	2.60	ND	--	ND	ND	ND	ND	46	49	
5/31/2000	15.17	5.48	0	9.69	-0.81	ND	--	ND	ND	ND	ND	ND	--	
8/29/2000	15.17	6.10	0	9.07	-0.62	ND	--	ND	ND	ND	ND	6.1	3.2	
12/1/2000	15.17	6.79	0	8.38	-0.69	ND	--	ND	ND	ND	ND	152	101	
3/17/2001	15.17	5.01	0	10.16	1.78	ND	--	ND	ND	ND	ND	ND	--	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 14, 2011
Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
5/23/2001	15.17	5.78	0	9.39	-0.77	ND	--	ND	ND	ND	ND	ND	--	
9/24/2001	15.17	6.42	0	8.75	-0.64	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
12/10/2001	15.17	6.41	0	8.76	0.01	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1700	1300	
3/11/2002	15.17	5.05	0	10.12	1.36	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
6/7/2002	15.17	5.42	0	9.75	-0.37	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
9/3/2002	15.17	6.50	0	8.67	-1.08	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/12/2002	15.17	7.18	0	7.99	-0.68	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.9	3.3	
3/13/2003	15.17	5.42	0	9.75	1.76	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
6/12/2003	15.17	5.60	0	9.57	-0.18	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
9/12/2003	15.17	6.07	0	9.10	-0.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/31/2003	15.17	5.63	0	9.54	0.44	750	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	790	--	
2/12/2004	15.17	5.26	0	9.91	0.37	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
6/7/2004	15.17	5.82	0	9.35	-0.56	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	--	
9/17/2004	15.17	6.86	0	8.31	-1.04	--	56	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	10	
12/11/2004	15.17	6.01	0	9.16	0.85	--	350	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	380	
3/11/2005	15.17	4.61	0	10.56	1.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/17/2005	15.17	4.93	0	10.24	-0.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/27/2005	15.17	5.74	0	9.43	-0.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/23/2005	15.17	6.59	0	8.58	-0.85	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	23	
2/24/2006	15.17	5.19	0	9.98	1.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.7	
5/30/2006	15.17	5.07	0	10.10	0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/30/2006	15.17	6.02	0	9.15	-0.95	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/22/2006	15.17	6.37	0	8.80	-0.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	16	
2/23/2007	15.17	5.61	0	9.56	0.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
5/18/2007	15.17	5.87	0	9.30	-0.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
8/10/2007	15.17	7.49	0	7.68	-1.62	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/9/2007	15.17	6.77	0	8.40	0.72	--	50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	39	
2/8/2008	15.17	5.10	0	10.07	1.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/16/2008	15.17	6.06	0	9.11	-0.96	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/15/2008	15.17	6.91	0	8.26	-0.85	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.1	--	ND<0.50	
11/26/2008	15.17	7.71	0	7.46	-0.80	--	55	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	11	
2/24/2009	18.14	5.96	0	12.18	4.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.8	
5/28/2009	18.14	5.70	0	12.44	0.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/14/2009	18.14	6.76	0	11.38	-1.06	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 14, 2011
Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
11/13/2009	18.14	6.97	0	11.17	-0.21	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
2/5/2010	18.14	5.55	0	12.59	1.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.91	
6/7/2010	18.14	5.78	0	12.36	-0.23	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
8/3/2010	18.14	6.47	0	11.67	-0.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/11/2010	18.14	7.42	0	10.72	-0.95	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
2/14/2011	18.14	5.94	0	12.20	1.48	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-5														
12/14/1999	13.34	6.45	0	6.89	--	ND	--	ND	ND	ND	ND	3.5	3.8	
3/14/2000	13.34	4.46	0	8.88	1.99	ND	--	ND	ND	ND	ND	ND	--	
5/31/2000	13.34	5.18	0	8.16	-0.72	ND	--	ND	ND	ND	ND	ND	--	
8/29/2000	13.34	5.46	0	7.88	-0.28	ND	--	ND	ND	ND	ND	ND	--	
12/1/2000	13.34	5.95	0	7.39	-0.49	ND	--	ND	ND	ND	ND	ND	--	
3/17/2001	13.34	5.36	0	7.98	0.59	ND	--	ND	ND	ND	ND	ND	--	
5/23/2001	13.34	5.09	0	8.25	0.27	ND	--	ND	ND	ND	ND	ND	--	
9/24/2001	13.34	5.58	0	7.76	-0.49	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
12/10/2001	13.34	5.51	0	7.83	0.07	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
3/11/2002	13.34	4.70	0	8.64	0.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
6/7/2002	13.34	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
9/3/2002	13.34	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
12/12/2002	13.34	6.42	0	6.92	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
3/13/2003	13.34	5.12	0	8.22	1.30	ND<50	--	ND<0.50	0.54	ND<0.50	ND<0.50	ND<2.0	--	
6/12/2003	13.34	5.24	0	8.10	-0.12	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
9/12/2003	13.34	5.53	0	7.81	-0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/31/2003	13.34	5.11	0	8.23	0.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
2/12/2004	13.34	5.02	0	8.32	0.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
6/7/2004	13.34	5.35	0	7.99	-0.33	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	--	
9/17/2004	13.34	6.10	0	7.24	-0.75	--	--	--	--	--	--	--	--	Sampled annually
12/11/2004	13.34	5.53	0	7.81	0.57	--	--	--	--	--	--	--	--	Sampled annually
3/11/2005	13.34	4.96	0	8.38	0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/17/2005	13.34	5.04	0	8.30	-0.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/27/2005	13.34	5.31	0	8.03	-0.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/23/2005	13.34	5.86	0	7.48	-0.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
2/24/2006	13.34	5.08	0	8.26	0.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/30/2006	13.34	5.01	0	8.33	0.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 14, 2011
Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
8/30/2006	13.34	5.65	0	7.69	-0.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/22/2006	13.34	5.82	0	7.52	-0.17	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
2/23/2007	13.34	4.47	0	8.87	1.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	0.53	--	ND<0.50	
5/18/2007	13.34	5.51	0	7.83	-1.04	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
8/10/2007	13.34	6.05	0	7.29	-0.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/9/2007	13.34	6.10	0	7.24	-0.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
2/8/2008	13.34	5.06	0	8.28	1.04	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/16/2008	13.34	5.69	0	7.65	-0.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/15/2008	13.34	6.35	0	6.99	-0.66	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/26/2008	13.34	6.82	0	6.52	-0.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
2/24/2009	16.45	5.10	0	11.35	4.83	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/28/2009	16.45	5.12	0	11.33	-0.02	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/14/2009	16.45	6.29	0	10.16	-1.17	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/13/2009	16.45	6.23	0	10.22	0.06	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
2/5/2010	16.45	5.38	0	11.07	0.85	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/7/2010	16.45	5.39	0	11.06	-0.01	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
8/3/2010	16.45	5.89	0	10.56	-0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/11/2010	16.45	6.36	0	10.09	-0.47	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
2/14/2011	16.45	5.49	0	10.96	0.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-6														
12/14/1999	14.08	6.64	0	7.44	--	ND	--	ND	ND	ND	ND	11000	18000	
3/14/2000	14.08	4.72	0	9.36	1.92	ND	--	ND	ND	ND	ND	19000	21000	
5/31/2000	14.08	5.28	0	8.80	-0.56	ND	--	ND	ND	ND	ND	13200	--	
8/29/2000	14.08	5.39	0	8.69	-0.11	ND	--	ND	ND	ND	ND	270	400	
12/1/2000	14.08	6.11	0	7.97	-0.72	ND	--	ND	ND	ND	ND	6330	3640	
3/17/2001	14.08	6.02	0	8.06	0.09	18700	--	2950	989	1040	3000	10200	11500	
5/23/2001	14.08	5.82	0	8.26	0.20	ND	--	ND	ND	ND	ND	4660	--	
9/24/2001	14.08	6.59	0	7.49	-0.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	160	190	
12/10/2001	14.08	6.50	0	7.58	0.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3200	2400	
3/11/2002	14.08	4.81	0	9.27	1.69	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	92	120	
6/7/2002	14.08	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
9/3/2002	14.08	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
12/12/2002	14.08	6.51	0	7.57	--	590	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1500	6200	
3/13/2003	14.08	5.20	0	8.88	1.31	--	--	--	--	--	--	--	5100	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 14, 2011
Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
3/13/2003	14.08	5.20	0	8.88	1.31	1600	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	4900	4100	
6/12/2003	14.08	5.38	0	8.70	-0.18	1600	--	ND<10	ND<10	ND<10	ND<10	5200	3700	
9/12/2003	14.08	6.29	0	7.79	-0.91	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	310	
12/31/2003	14.08	5.38	0	8.70	0.91	3300	--	ND<25	ND<25	ND<25	ND<25	3800	--	
2/12/2004	14.08	5.06	0	9.02	0.32	1100	--	ND<10	ND<10	ND<10	ND<10	1900	2800	
6/7/2004	14.08	5.45	0	8.63	-0.39	2500	--	ND<3	ND<3	ND<3	ND<6	3200	2900	
9/17/2004	14.08	6.20	0	7.88	-0.75	--	1300	ND<10	ND<10	ND<10	ND<20	--	2000	
12/11/2004	14.08	5.60	0	8.48	0.60	--	1800	ND<10	ND<10	ND<10	ND<20	--	2700	
3/11/2005	14.08	4.71	0	9.37	0.89	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	2500	
5/17/2005	14.08	4.98	0	9.10	-0.27	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2200	
7/27/2005	14.08	5.48	0	8.60	-0.50	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1100	
11/23/2005	14.08	6.01	0	8.07	-0.53	--	590	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1700	
2/24/2006	14.08	5.12	0	8.96	0.89	--	400	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	990	
5/30/2006	14.08	5.04	0	9.04	0.08	--	ND<1200	ND<12	ND<12	ND<12	ND<25	--	560	
8/30/2006	14.08	7.01	0	7.07	-1.97	--	930	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	820	
11/22/2006	14.08	6.16	0	7.92	0.85	--	690	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	620	
2/23/2007	14.08	5.44	0	8.64	0.72	--	190	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	410	
5/18/2007	14.08	5.63	0	8.45	-0.19	--	390	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	620	
8/10/2007	14.08	6.71	0	7.37	-1.08	--	390	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	660	
11/9/2007	14.08	6.17	0	7.91	0.54	--	580	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	820	
2/8/2008	14.08	5.20	0	8.88	0.97	--	360	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	570	
5/16/2008	14.08	5.70	0	8.38	-0.50	--	200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	480	
8/15/2008	14.08	6.46	0	7.62	-0.76	--	160	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	450	
11/26/2008	14.08	7.01	0	7.07	-0.55	--	300	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	400	
2/24/2009	16.97	5.20	0	11.77	4.70	--	250	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	450	
5/28/2009	16.97	5.26	0	11.71	-0.06	--	74	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	290	
9/14/2009	16.97	6.30	0	10.67	-1.04	--	230	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	310	
11/13/2009	16.97	6.40	0	10.57	-0.10	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
2/5/2010	16.97	5.89	0	11.08	0.51	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	310	
6/7/2010	16.97	5.52	0	11.45	0.37	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
8/3/2010	16.97	5.96	0	11.01	-0.44	--	71	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	180	
11/11/2010	16.97	6.54	0	10.43	-0.58	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
2/14/2011	16.97	5.63	0	11.34	0.91	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	180	

MW-7

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 14, 2011
Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
5/28/2009	17.81	8.29	0	9.52	--	--	1100	ND<0.50	ND<0.50	1.4	7.1	--	15000	
9/14/2009	17.81	6.77	0	11.04	1.52	--	7900	ND<25	ND<25	ND<25	ND<50	--	15000	
11/13/2009	17.81	6.78	0	11.03	-0.01	--	5700	ND<10	ND<10	ND<10	ND<20	--	13000	
2/5/2010	17.81	8.50	0	9.31	-1.72	--	4300	ND<12	ND<12	ND<12	ND<25	--	12000	
6/7/2010	17.81	5.74	0	12.07	2.76	--	7100	ND<12	ND<12	ND<12	ND<25	--	16000	
8/3/2010	17.81	6.36	0	11.45	-0.62	--	1600	ND<10	ND<10	ND<10	ND<20	--	12000	
11/11/2010	17.81	7.23	0	10.58	-0.87	--	2600	ND<5.0	ND<5.0	ND<5.0	ND<10	--	13000	
2/14/2011	17.81	6.33	0	11.48	0.90	--	7900	ND<50	ND<50	ND<50	ND<100	--	13000	
MW-8														
5/28/2009	18.13	7.42	0	10.71	--	--	850	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	12000	
9/14/2009	18.13	6.97	0	11.16	0.45	--	3500	ND<25	ND<25	ND<25	ND<50	--	5600	
11/13/2009	18.13	7.11	0	11.02	-0.14	--	3200	ND<5.0	ND<5.0	ND<5.0	ND<10	--	6700	
2/5/2010	18.13	7.38	0	10.75	-0.27	--	2400	ND<10	ND<10	ND<10	ND<20	--	6300	
6/7/2010	18.13	6.07	0	12.06	1.31	--	4200	ND<10	ND<10	ND<10	ND<20	--	9000	
8/3/2010	18.13	6.56	0	11.57	-0.49	--	1200	ND<5.0	ND<5.0	ND<5.0	ND<10	--	5600	
11/11/2010	18.13	7.60	0	10.53	-1.04	--	ND<5000	ND<50	ND<50	ND<50	ND<100	--	4900	
2/14/2011	18.13	6.22	0	11.91	1.38	--	3900	ND<25	ND<25	ND<25	ND<50	--	7100	
MW-9														
5/28/2009	18.75	6.24	0	12.51	--	--	1200	ND<0.50	ND<0.50	0.75	15	--	13000	
9/14/2009	18.75	7.36	0	11.39	-1.12	--	280	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	390	
11/13/2009	18.75	7.56	0	11.19	-0.20	--	170	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	280	
2/5/2010	18.75	6.70	0	12.05	0.86	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	190	
6/7/2010	18.75	6.59	0	12.16	0.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	66	
8/3/2010	18.75	7.00	0	11.75	-0.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	99	
11/11/2010	18.75	8.02	0	10.73	-1.02	--	83	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	270	
2/14/2011	18.75	6.69	0	12.06	1.33	--	170	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	320	
MW-10														
5/28/2009	18.84	6.69	0	12.15	--	--	700	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3500	
9/14/2009	18.84	7.50	0	11.34	-0.81	--	3300	ND<6.2	ND<6.2	ND<6.2	ND<12	--	4900	
11/13/2009	18.84	7.70	0	11.14	-0.20	--	1500	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	3300	
2/5/2010	18.84	6.66	0	12.18	1.04	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	260	
6/7/2010	18.84	6.56	0	12.28	0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	7.9	
8/3/2010	18.84	7.14	0	11.70	-0.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.3	
11/11/2010	18.84	8.16	0	10.68	-1.02	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.6	
2/14/2011	18.84	6.71	0	12.13	1.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.9	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 14, 2011
Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-11														
5/28/2009	18.72	6.18	0	12.54	--	--	920	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	15000	
9/14/2009	18.72	7.45	0	11.27	-1.27	--	11000	ND<25	ND<25	ND<25	ND<50	--	18000	
11/13/2009	18.72	7.51	0	11.21	-0.06	--	6200	ND<10	ND<10	ND<10	ND<20	--	13000	
2/5/2010	18.72	7.50	0	11.22	0.01	--	4500	ND<12	ND<12	ND<12	ND<25	--	13000	
6/7/2010	18.72	6.36	0	12.36	1.14	--	4300	ND<10	ND<10	ND<10	ND<20	--	9500	
8/3/2010	18.72	6.90	0	11.82	-0.54	--	1400	ND<5.0	ND<5.0	ND<5.0	ND<10	--	6000	
11/11/2010	18.72	8.00	0	10.72	-1.10	--	1600	ND<5.0	ND<5.0	ND<5.0	ND<10	--	6100	
2/14/2011	18.72	6.52	0	12.20	1.48	--	3500	ND<6.2	ND<6.2	ND<6.2	ND<12	--	7400	

Table 2a
ADDITIONAL CURRENT ANALYTICAL RESULTS

Former 76 Station 0843

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Carbon (organic, total) (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Chromium (dissolved) (µg/l)	Comments
MW-1													
9/2/1999	ND	ND	--	--	--	ND	ND	ND	--	--	--	--	
3/15/2005	ND<5.0	ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/24/2006	62	ND<250	--	--	--	ND<0.50	ND<0.50	5.5	--	--	--	--	
11/22/2006	74	ND<250	--	--	--	ND<0.50	ND<0.50	0.51	--	--	--	--	
2/23/2007	ND<100	ND<2500	--	--	--	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	
5/18/2007	ND<100	ND<2500	--	--	--	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	
8/10/2007	ND<500	ND<12000	--	--	--	ND<25	ND<25	ND<25	--	--	--	--	
11/9/2007	ND<500	ND<12000	--	--	--	ND<25	ND<25	ND<25	--	--	--	--	
2/8/2008	ND<100	ND<2500	--	--	--	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	
5/16/2008	ND<250	ND<6200	--	--	--	ND<12	ND<12	ND<12	--	--	--	--	
8/15/2008	ND<100	ND<2500	--	--	--	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	
11/26/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/24/2009	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	2.5	1.3	--	--	--	
5/28/2009	ND<200	ND<5000	ND<10	--	ND<10	ND<10	ND<10	ND<10	1.8	2.0	87	--	
9/14/2009	ND<100	ND<2500	--	--	--	ND<5.0	ND<5.0	ND<5.0	1.4	2.2	220	--	
2/5/2010	ND<250	ND<6200	ND<12	--	ND<12	ND<12	ND<12	ND<12	--	--	--	--	
8/3/2010	140	ND<500	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.5	ND<2.0	70	ND<10	
2/14/2011	99	ND<500	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.6	2.7	91	ND<10	
MW-1AR													
5/28/2009	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	1.6	--	--	--	--	
9/14/2009	110	ND<500	--	--	--	ND<1.0	ND<1.0	ND<1.0	4.5	ND<2.0	170	--	
11/13/2009	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/5/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
6/7/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.1	ND<2.0	25	ND<10	
8/3/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.2	ND<2.0	ND<10	ND<10	
11/11/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.3	ND<2.0	14	ND<10	
2/14/2011	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.0	2.6	ND<10	ND<10	
MW-1BR													
5/28/2009	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	2.0	--	--	--	--	
9/14/2009	33	ND<500	--	--	--	ND<1.0	ND<1.0	1.9	3.7	ND<2.0	250	--	
11/13/2009	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	1.2	--	--	--	--	
2/5/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
6/7/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.8	ND<2.0	26	ND<10	
8/3/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.8	ND<2.0	25	ND<10	

Table 2a
ADDITIONAL CURRENT ANALYTICAL RESULTS

Former 76 Station 0843

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Carbon (organic, total) (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Chromium (dissolved) (µg/l)	Comments
11/11/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.9	ND<2.0	12	ND<10	
2/14/2011	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.7	3.7	34	ND<10	
MW-2													
9/2/1999	ND	ND	--	--	--	ND	ND	ND	--	--	--	--	
12/14/1999	ND	ND	ND	--	ND	ND	ND	ND	--	--	--	--	
3/14/2000	1300	ND	ND	--	ND	ND	ND	ND	--	--	--	--	
5/31/2000	ND	ND	ND	--	ND	ND	ND	ND	--	--	--	--	
8/29/2000	250	ND	ND	--	ND	ND	ND	ND	--	--	--	--	
12/1/2000	ND	ND	ND	--	ND	ND	ND	ND	--	--	--	--	
3/17/2001	ND	ND	ND	--	ND	14.8	ND	ND	--	--	--	--	
5/23/2001	ND	ND	ND	--	ND	ND	ND	ND	--	--	--	--	
9/24/2001	ND<5000	ND<5000000	ND<100	--	ND<100	ND<100	ND<100	ND<100	--	--	--	--	
12/10/2001	ND<500	ND<1200000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--	--	--	
3/11/2002	ND<1000	ND<5000000	ND<20	--	ND<20	ND<20	ND<20	ND<20	--	--	--	--	
6/7/2002	ND<1000	ND<2000000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--	--	--	
9/3/2002	ND<1000	ND<5000000	ND<20	--	ND<20	ND<20	ND<20	ND<20	--	--	--	--	
MW-2A													
12/12/2002	ND<100	ND<500000	ND<2.0	--	2.3	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	
3/13/2003	ND<100	ND<500000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	
6/12/2003	ND<100	ND<500000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	
9/12/2003	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	
12/31/2003	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	
2/12/2004	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	
6/7/2004	ND<12	ND<800	ND<0.5	--	ND<0.5	ND<1	ND<1	ND<1	--	--	--	--	
9/17/2004	6.7	ND<50	--	--	--	ND<1.0	ND<0.50	ND<0.50	--	--	--	--	
12/11/2004	ND<5.0	ND<50	--	--	--	ND<1.0	ND<0.50	ND<0.50	--	--	--	--	
3/15/2005	ND<5.0	ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/17/2005	ND<5.0	ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
7/27/2005	ND<5.0	ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/23/2005	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/24/2006	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/30/2006	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/30/2006	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/22/2006	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/23/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	

Table 2a
ADDITIONAL CURRENT ANALYTICAL RESULTS

Former 76 Station 0843

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Carbon (organic, total) (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Chromium (dissolved) (µg/l)	Comments
5/18/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/10/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/9/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/8/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/16/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/15/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/26/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/24/2009	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	17	--	--	--	
MW-3													
9/2/1999	ND	ND	--	--	--	ND	ND	ND	--	--	--	--	
3/11/2005	ND<5.0	ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/17/2005	ND<5.0	ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
7/27/2005	ND<5.0	ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/23/2005	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/24/2006	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/30/2006	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/30/2006	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/22/2006	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/23/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/18/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/10/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/9/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/8/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/16/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/15/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/26/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/24/2009	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	3.2	--	--	--	
5/28/2009	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
9/14/2009	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/5/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/3/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/14/2011	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
MW-4													
9/2/1999	ND	ND	--	--	--	ND	ND	ND	--	--	--	--	
12/10/2001	ND<290	ND<710000(	ND<14	--	ND<14	ND<14	ND<14	ND<14	--	--	--	--	

Table 2a
ADDITIONAL CURRENT ANALYTICAL RESULTS

Former 76 Station 0843

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Carbon (organic, total) (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Chromium (dissolved) (µg/l)	Comments
12/12/2002	ND<100	ND<500000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	
9/12/2003	--	ND<500	--	--	--	--	--	--	--	--	--	--	
9/17/2004	ND<5.0	ND<50	--	--	--	ND<1.0	ND<0.50	ND<0.50	--	--	--	--	
12/11/2004	ND<25	ND<250	--	--	--	ND<5.0	ND<2.5	ND<2.5	--	--	--	--	
3/11/2005	ND<5.0	ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/17/2005	ND<5.0	ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
7/27/2005	ND<5.0	ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/23/2005	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/24/2006	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/30/2006	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/30/2006	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/22/2006	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/23/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/18/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/10/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/9/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/8/2008	ND<10	290	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/16/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/15/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/26/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/24/2009	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	1.7	--	--	--	
5/28/2009	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
9/14/2009	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/5/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/3/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/14/2011	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
MW-5													
9/12/2003	--	ND<500	--	--	--	--	--	--	--	--	--	--	
3/11/2005	ND<5.0	ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/17/2005	ND<5.0	ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
7/27/2005	ND<5.0	ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/23/2005	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/24/2006	59	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/30/2006	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/30/2006	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	

Table 2a
ADDITIONAL CURRENT ANALYTICAL RESULTS

Former 76 Station 0843

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Carbon (organic, total) (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Chromium (dissolved) (µg/l)	Comments
11/22/2006	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/23/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/18/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/10/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/9/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/8/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/16/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/15/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/26/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/24/2009	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	4.5	--	--	--	
5/28/2009	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
9/14/2009	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/5/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/3/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/14/2011	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
MW-6													
3/17/2001	ND	ND	ND	--	219	ND	ND	ND	--	--	--	--	
9/24/2001	ND<100	ND<1000000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	
12/10/2001	ND<500	ND<1200000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--	--	--	
3/11/2002	ND<100	ND<500000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	
12/12/2002	ND<10000	ND<5000000	ND<200	--	ND<200	ND<200	ND<200	ND<200	--	--	--	--	
3/13/2003	ND<5000	ND<2500000	ND<100	--	ND<100	ND<100	ND<100	ND<100	--	--	--	--	
6/12/2003	ND<2000	ND<1000000	ND<40	--	ND<40	ND<40	ND<40	ND<40	--	--	--	--	
9/12/2003	--	ND<2500	--	--	--	--	--	--	--	--	--	--	
2/12/2004	ND<2000	ND<10000	ND<40	--	ND<40	ND<40	ND<40	ND<40	--	--	--	--	
6/7/2004	ND<200	ND<8000	ND<5	--	ND<5	ND<10	ND<10	ND<10	--	--	--	--	
9/17/2004	ND<100	ND<1000	--	--	--	ND<20	ND<10	ND<10	--	--	--	--	
12/11/2004	ND<100	ND<1000	--	--	--	ND<20	ND<10	ND<10	--	--	--	--	
3/11/2005	ND<100	ND<1000	--	--	--	ND<10	ND<10	ND<10	--	--	--	--	
5/17/2005	ND<100	ND<1000	--	--	--	ND<10	ND<10	ND<10	--	--	--	--	
7/27/2005	ND<100	ND<1000	--	--	--	ND<10	ND<10	ND<10	--	--	--	--	
11/23/2005	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	1.0	--	--	--	--	
2/24/2006	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	0.68	--	--	--	--	
5/30/2006	ND<250	ND<6200	--	--	--	ND<12	ND<12	ND<12	--	--	--	--	
8/30/2006	ND<100	ND<2500	--	--	--	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	

Table 2a
ADDITIONAL CURRENT ANALYTICAL RESULTS

Former 76 Station 0843

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Carbon (organic, total) (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Chromium (dissolved) (µg/l)	Comments
11/22/2006	ND<100	ND<2500	--	--	--	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	
2/23/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/18/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/10/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/9/2007	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	0.52	--	--	--	--	
2/8/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
5/16/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/15/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
11/26/2008	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/24/2009	ND<10	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	2.7	--	--	--	
5/28/2009	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
9/14/2009	23	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/5/2010	41	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
8/3/2010	ND<10	ND<250	ND<0.50	ND<0.010	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/14/2011	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
MW-7													
5/28/2009	150	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	11	--	--	--	--	
9/14/2009	680	ND<12000	--	--	--	ND<25	ND<25	ND<25	9.8	ND<2.0	76	--	
11/13/2009	ND<200	ND<5000	ND<10	--	ND<10	ND<10	ND<10	ND<10	--	--	--	--	
2/5/2010	1600	ND<6200	ND<12	--	ND<12	ND<12	ND<12	ND<12	--	--	--	--	
6/7/2010	ND<250	ND<6200	ND<12	--	ND<12	ND<12	ND<12	ND<12	3.9	ND<2.0	11	ND<10	
8/3/2010	1400	ND<5000	ND<10	--	ND<10	ND<10	ND<10	ND<10	3.6	ND<2.0	79	ND<10	
11/11/2010	1200	ND<2500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	4.1	ND<2.0	27	ND<10	
2/14/2011	ND<1000	ND<25000	ND<50	--	ND<50	ND<50	ND<50	ND<50	4.1	ND<2.0	43	ND<10	
MW-8													
5/28/2009	36	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	9.7	9.9	ND<2.0	140	--	
9/14/2009	ND<500	ND<12000	--	--	--	ND<25	ND<25	ND<25	14	ND<2.0	60	--	
11/13/2009	ND<100	ND<2500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	
2/5/2010	960	ND<5000	ND<10	--	ND<10	ND<10	ND<10	ND<10	--	--	--	--	
6/7/2010	ND<200	ND<5000	ND<10	--	ND<10	ND<10	ND<10	ND<10	4.0	ND<2.0	21	ND<10	
8/3/2010	670	ND<2500	ND<5.0	ND<0.010	ND<5.0	ND<5.0	ND<5.0	ND<5.0	3.9	ND<2.0	74	ND<10	
11/11/2010	ND<1000	ND<25000	ND<50	--	ND<50	ND<50	ND<50	ND<50	3.7	ND<2.0	46	ND<10	
2/14/2011	ND<500	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	3.7	ND<2.0	59	ND<10	
MW-9													
5/28/2009	40	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	11	--	--	--	--	

Table 2a
ADDITIONAL CURRENT ANALYTICAL RESULTS

Former 76 Station 0843

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Carbon (organic, total) (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Chromium (dissolved) (µg/l)	Comments
9/14/2009	24	ND<250	--	--	--	ND<0.50	ND<0.50	ND<0.50	3.0	ND<2.0	520	--	
11/13/2009	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
2/5/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
6/7/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.7	6.1	24	ND<10	
8/3/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.6	2.5	25	ND<10	
11/11/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.4	2.6	24	ND<10	
2/14/2011	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.4	6.6	22	ND<10	
MW-10													
5/28/2009	39	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	4.6	2.4	2.0	ND<10	--	
9/14/2009	240	ND<3100	--	--	--	ND<6.2	ND<6.2	ND<6.2	2.7	ND<2.0	24	--	
11/13/2009	ND<50	ND<1200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	--	--	--	
2/5/2010	35	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
6/7/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.0	6.5	15	ND<10	
8/3/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.0	8.7	19	ND<10	
11/11/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.8	10	20	11	
2/14/2011	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.8	14	18	15	
MW-11													
5/28/2009	140	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	9.4	--	--	--	--	
9/14/2009	850	ND<12000	--	--	--	ND<25	ND<25	ND<25	3.3	ND<2.0	14	--	
11/13/2009	ND<200	ND<5000	ND<10	--	ND<10	ND<10	ND<10	ND<10	--	--	--	--	
2/5/2010	1600	ND<6200	ND<12	--	ND<12	ND<12	ND<12	ND<12	--	--	--	--	
6/7/2010	ND<200	ND<5000	ND<10	--	ND<10	ND<10	ND<10	ND<10	3.0	ND<2.0	ND<10	ND<10	
8/3/2010	620	ND<2500	ND<5.0	ND<0.010	ND<5.0	ND<5.0	ND<5.0	ND<5.0	2.9	ND<2.0	ND<10	ND<10	
11/11/2010	ND<100	ND<2500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	2.8	ND<2.0	17	ND<10	
2/14/2011	670	ND<3100	ND<6.2	--	ND<6.2	ND<6.2	ND<6.2	ND<6.2	3.5	ND<2.0	14	ND<10	

Table 2b
ADDITIONAL CURRENT ANALYTICAL RESULTS

Former 76 Station 0843

Date Sampled	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Manganese (total) (µg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Oxygen (Lab) (mg O/)	Redox Potential (ORP-Lab) (mV)	Specific Con-ductance (umhos)	Post-purge Dissolved Oxygen ()	Pre-purge Dissolved Oxygen ()	Pre-purge ORP ()	Post-purge ORP ()	Comments
MW-1													
9/2/1999	--	--	--	--	--	--	--	--	--	--	--	--	
3/15/2005	--	--	--	--	--	--	--	--	--	--	--	--	
2/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	
11/22/2006	--	--	--	--	--	--	--	--	--	--	--	--	
2/23/2007	--	--	--	--	--	--	--	--	--	--	--	--	
5/18/2007	--	--	--	--	--	--	--	--	--	--	--	--	
8/10/2007	--	--	--	--	--	--	--	--	--	--	--	--	
11/9/2007	--	--	--	--	--	--	--	--	--	--	--	--	
2/8/2008	--	--	--	--	--	--	--	--	--	--	--	--	
5/16/2008	--	--	--	--	--	--	--	--	--	--	--	--	
8/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	
11/26/2008	--	--	--	--	--	--	--	--	--	--	--	--	
2/24/2009	ND<100	ND<1.0	500	--	18	--	--	--	4.63	3.22	57	59	
5/28/2009	ND<500	2.4	550	9.9	25	8.6	130	463	0.80	2.95	119	171	
9/14/2009	ND<100	3.7	1600	11	25	6.8	204	429	1.93	3.81	233	146	
2/5/2010	--	--	--	--	--	--	--	--	0.83	1.42	66	71	
8/3/2010	ND<100	1.8	1100	16	24	6.7	333.4	508	1.10	1.68	172	158	
2/14/2011	ND<500	5.4	530	18	25	8.9	418.5	509	6.45	4.45	355	356	
MW-1AR													
5/28/2009	--	--	--	--	--	--	--	--	1.72	0.95	144	177	
9/14/2009	2500	570	830	17	39	7.0	205	655	1.68	1.83	235	187	
11/13/2009	--	--	--	--	--	--	--	--	3.13	2.98	174	16	
2/5/2010	--	--	--	--	--	--	--	--	0.37	0.94	79	75	
6/7/2010	490	210	450	21	30	6.1	273.4	554	0.79	1.27	56	78	
8/3/2010	550	180	230	21	31	8.1	225.1	537	0.39	0.58	148	108	
11/11/2010	370	210	330	20	31	7.6	206.5	545	2.67	2.46	204	216	
2/14/2011	420	150	190	21	32	7.3	217.9	537	1.31	1.48	349	362	
MW-1BR													
5/28/2009	--	--	--	--	--	--	--	--	0.61	1.37	145	165	
9/14/2009	ND<500	230	930	17	59	6.7	207	673	0.46	1.02	228	143	
11/13/2009	--	--	--	--	--	--	--	--	5.74	4.59	151	107	
2/5/2010	--	--	--	--	--	--	--	--	0.38	0.82	85	79	
6/7/2010	380	110	180	27	30	6.6	479.4	539	0.74	1.42	48	10	
8/3/2010	240	130	230	26	28	7.3	271.8	548	0.37	0.43	54	59	

Table 2b
ADDITIONAL CURRENT ANALYTICAL RESULTS

Former 76 Station 0843

Date Sampled	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Manganese (total) (µg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Oxygen (Lab) (mg O/)	Redox Potential (ORP-Lab) (mV)	Specific Con-ductance (umhos)	Post-purge Dissolved Oxygen ()	Pre-purge Dissolved Oxygen ()	Pre-purge ORP ()	Post-purge ORP ()	Comments
11/11/2010	250	130	170	ND<0.44	28	7.0	227.8	540	1.78	1.43	212	212	
2/14/2011	290	73	170	29	28	8.1	286.1	531	1.07	1.74	356	351	
MW-2													
9/2/1999	--	--	--	--	--	--	--	--	--	--	--	--	
12/14/1999	--	--	--	--	--	--	--	--	--	--	--	--	
3/14/2000	--	--	--	--	--	--	--	--	--	--	--	--	
5/31/2000	--	--	--	--	--	--	--	--	--	--	--	--	
8/29/2000	--	--	--	--	--	--	--	--	--	--	--	--	
12/1/2000	--	--	--	--	--	--	--	--	--	--	--	--	
3/17/2001	--	--	--	--	--	--	--	--	--	--	--	--	
5/23/2001	--	--	--	--	--	--	--	--	--	--	--	--	
9/24/2001	--	--	--	--	--	--	--	--	--	--	--	--	
12/10/2001	--	--	--	--	--	--	--	--	--	--	--	--	
3/11/2002	--	--	--	--	--	--	--	--	--	--	--	--	
6/7/2002	--	--	--	--	--	--	--	--	--	--	--	--	
9/3/2002	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2A													
12/12/2002	--	--	--	--	--	--	--	--	--	--	--	--	
3/13/2003	--	--	--	--	--	--	--	--	--	--	--	--	
6/12/2003	--	--	--	--	--	--	--	--	--	--	--	--	
9/12/2003	--	--	--	--	--	--	--	--	--	--	--	--	
12/31/2003	--	--	--	--	--	--	--	--	--	--	--	--	
2/12/2004	--	--	--	--	--	--	--	--	--	--	--	--	
6/7/2004	--	--	--	--	--	--	--	--	--	--	--	--	
9/17/2004	--	--	--	--	--	--	--	--	--	--	--	--	
12/11/2004	--	--	--	--	--	--	--	--	--	--	--	--	
3/15/2005	--	--	--	--	--	--	--	--	--	--	--	--	
5/17/2005	--	--	--	--	--	--	--	--	--	--	--	--	
7/27/2005	--	--	--	--	--	--	--	--	--	--	--	--	
11/23/2005	--	--	--	--	--	--	--	--	--	--	--	--	
2/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	
5/30/2006	--	--	--	--	--	--	--	--	--	--	--	--	
8/30/2006	--	--	--	--	--	--	--	--	--	--	--	--	
11/22/2006	--	--	--	--	--	--	--	--	--	--	--	--	
2/23/2007	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2b
ADDITIONAL CURRENT ANALYTICAL RESULTS

Former 76 Station 0843

Date Sampled	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Manganese (total) (µg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Oxygen (Lab) (mg O/)	Redox Potential (ORP-Lab) (mV)	Specific Con-ductance (umhos)	Post-purge Dissolved Oxygen ()	Pre-purge Dissolved Oxygen ()	Pre-purge ORP ()	Post-purge ORP ()	Comments
5/18/2007	--	--	--	--	--	--	--	--	--	--	--	--	
8/10/2007	--	--	--	--	--	--	--	--	--	--	--	--	
11/9/2007	--	--	--	--	--	--	--	--	--	--	--	--	
2/8/2008	--	--	--	--	--	--	--	--	--	--	--	--	
5/16/2008	--	--	--	--	--	--	--	--	--	--	--	--	
8/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	
11/26/2008	--	--	--	--	--	--	--	--	--	--	--	--	
2/24/2009	110	ND<1.0	130	--	87	--	--	--	3.38	4.44	50	34	
MW-3													
9/2/1999	--	--	--	--	--	--	--	--	--	--	--	--	
3/11/2005	--	--	--	--	--	--	--	--	--	--	--	--	
5/17/2005	--	--	--	--	--	--	--	--	--	--	--	--	
7/27/2005	--	--	--	--	--	--	--	--	--	--	--	--	
11/23/2005	--	--	--	--	--	--	--	--	--	--	--	--	
2/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	
5/30/2006	--	--	--	--	--	--	--	--	--	--	--	--	
8/30/2006	--	--	--	--	--	--	--	--	--	--	--	--	
11/22/2006	--	--	--	--	--	--	--	--	--	--	--	--	
2/23/2007	--	--	--	--	--	--	--	--	--	--	--	--	
5/18/2007	--	--	--	--	--	--	--	--	--	--	--	--	
8/10/2007	--	--	--	--	--	--	--	--	--	--	--	--	
11/9/2007	--	--	--	--	--	--	--	--	--	--	--	--	
2/8/2008	--	--	--	--	--	--	--	--	--	--	--	--	
5/16/2008	--	--	--	--	--	--	--	--	--	--	--	--	
8/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	
11/26/2008	--	--	--	--	--	--	--	--	--	--	--	--	
2/24/2009	ND<100	ND<1.0	1100	--	130	--	--	--	5.01	2.30	46	49	
5/28/2009	--	--	--	--	--	--	--	--	0.61	4.03	141	85	
9/14/2009	--	--	--	--	--	6.6	196	658	0.49	2.02	146	119	
2/5/2010	--	--	--	--	--	--	--	--	1.04	2.64	338	71	
8/3/2010	--	--	--	--	--	6.7	279.4	601	0.95	2.24	103	103	
2/14/2011	--	--	--	--	--	4.9	288.9	587	1.15	2.43	187	188	
MW-4													
9/2/1999	--	--	--	--	--	--	--	--	--	--	--	--	
12/10/2001	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2b
ADDITIONAL CURRENT ANALYTICAL RESULTS

Former 76 Station 0843

Date Sampled	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Manganese (total) (µg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Oxygen (Lab) (mg O/)	Redox Potential (ORP-Lab) (mV)	Specific Con-ductance (umhos)	Post-purge Dissolved Oxygen ()	Pre-purge Dissolved Oxygen ()	Pre-purge ORP ()	Post-purge ORP ()	Comments
12/12/2002	--	--	--	--	--	--	--	--	--	--	--	--	
9/12/2003	--	--	--	--	--	--	--	--	--	--	--	--	
9/17/2004	--	--	--	--	--	--	--	--	--	--	--	--	
12/11/2004	--	--	--	--	--	--	--	--	--	--	--	--	
3/11/2005	--	--	--	--	--	--	--	--	--	--	--	--	
5/17/2005	--	--	--	--	--	--	--	--	--	--	--	--	
7/27/2005	--	--	--	--	--	--	--	--	--	--	--	--	
11/23/2005	--	--	--	--	--	--	--	--	--	--	--	--	
2/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	
5/30/2006	--	--	--	--	--	--	--	--	--	--	--	--	
8/30/2006	--	--	--	--	--	--	--	--	--	--	--	--	
11/22/2006	--	--	--	--	--	--	--	--	--	--	--	--	
2/23/2007	--	--	--	--	--	--	--	--	--	--	--	--	
5/18/2007	--	--	--	--	--	--	--	--	--	--	--	--	
8/10/2007	--	--	--	--	--	--	--	--	--	--	--	--	
11/9/2007	--	--	--	--	--	--	--	--	--	--	--	--	
2/8/2008	--	--	--	--	--	--	--	--	--	--	--	--	
5/16/2008	--	--	--	--	--	--	--	--	--	--	--	--	
8/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	
11/26/2008	--	--	--	--	--	--	--	--	--	--	--	--	
2/24/2009	ND<100	3.1	250	--	130	--	--	--	6.15	4.27	61	64	
5/28/2009	--	--	--	--	--	--	--	--	3.68	3.76	141	55	
9/14/2009	--	--	--	--	--	7.1	195	1020	2.16	2.78	142	63	
2/5/2010	--	--	--	--	--	--	--	--	8.59	7.70	309	326	
8/3/2010	--	--	--	--	--	8.3	280.9	1110	5.26	2.88	102	106	
2/14/2011	--	--	--	--	--	9.2	294.6	770	7.02	6.84	187	172	
MW-5													
9/12/2003	--	--	--	--	--	--	--	--	--	--	--	--	
3/11/2005	--	--	--	--	--	--	--	--	--	--	--	--	
5/17/2005	--	--	--	--	--	--	--	--	--	--	--	--	
7/27/2005	--	--	--	--	--	--	--	--	--	--	--	--	
11/23/2005	--	--	--	--	--	--	--	--	--	--	--	--	
2/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	
5/30/2006	--	--	--	--	--	--	--	--	--	--	--	--	
8/30/2006	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2b
ADDITIONAL CURRENT ANALYTICAL RESULTS

Former 76 Station 0843

Date Sampled	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Manganese (total) (µg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Oxygen (Lab) (mg O/)	Redox Potential (ORP-Lab) (mV)	Specific Con-ductance (umhos)	Post-purge Dissolved Oxygen ()	Pre-purge Dissolved Oxygen ()	Pre-purge ORP ()	Post-purge ORP ()	Comments
11/22/2006	--	--	--	--	--	--	--	--	--	--	--	--	
2/23/2007	--	--	--	--	--	--	--	--	--	--	--	--	
5/18/2007	--	--	--	--	--	--	--	--	--	--	--	--	
8/10/2007	--	--	--	--	--	--	--	--	--	--	--	--	
11/9/2007	--	--	--	--	--	--	--	--	--	--	--	--	
2/8/2008	--	--	--	--	--	--	--	--	--	--	--	--	
5/16/2008	--	--	--	--	--	--	--	--	--	--	--	--	
8/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	
11/26/2008	--	--	--	--	--	--	--	--	--	--	--	--	
2/24/2009	ND<100	ND<1.0	720	--	64	--	--	--	5.65	2.58	27	34	
5/28/2009	--	--	--	--	--	--	--	--	1.71	4.32	138	94	
9/14/2009	--	--	--	--	--	4.0	204	609	0.64	2.08	147	115	
2/5/2010	--	--	--	--	--	--	--	--	2.08	2.59	295	71	
8/3/2010	--	--	--	--	--	8.6	288.2	611	7.12	2.08	62	102	
2/14/2011	--	--	--	--	--	6.0	317.6	617	1.55	2.81	179	195	
MW-6													
3/17/2001	--	--	--	--	--	--	--	--	--	--	--	--	
9/24/2001	--	--	--	--	--	--	--	--	--	--	--	--	
12/10/2001	--	--	--	--	--	--	--	--	--	--	--	--	
3/11/2002	--	--	--	--	--	--	--	--	--	--	--	--	
12/12/2002	--	--	--	--	--	--	--	--	--	--	--	--	
3/13/2003	--	--	--	--	--	--	--	--	--	--	--	--	
6/12/2003	--	--	--	--	--	--	--	--	--	--	--	--	
9/12/2003	--	--	--	--	--	--	--	--	--	--	--	--	
2/12/2004	--	--	--	--	--	--	--	--	--	--	--	--	
6/7/2004	--	--	--	--	--	--	--	--	--	--	--	--	
9/17/2004	--	--	--	--	--	--	--	--	--	--	--	--	
12/11/2004	--	--	--	--	--	--	--	--	--	--	--	--	
3/11/2005	--	--	--	--	--	--	--	--	--	--	--	--	
5/17/2005	--	--	--	--	--	--	--	--	--	--	--	--	
7/27/2005	--	--	--	--	--	--	--	--	--	--	--	--	
11/23/2005	--	--	--	--	--	--	--	--	--	--	--	--	
2/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	
5/30/2006	--	--	--	--	--	--	--	--	--	--	--	--	
8/30/2006	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2b
ADDITIONAL CURRENT ANALYTICAL RESULTS

Former 76 Station 0843

Date Sampled	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Manganese (total) (µg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Oxygen (Lab) (mg O/)	Redox Potential (ORP-Lab) (mV)	Specific Con-ductance (umhos)	Post-purge Dissolved Oxygen ()	Pre-purge Dissolved Oxygen ()	Pre-purge ORP ()	Post-purge ORP ()	Comments
11/22/2006	--	--	--	--	--	--	--	--	--	--	--	--	
2/23/2007	--	--	--	--	--	--	--	--	--	--	--	--	
5/18/2007	--	--	--	--	--	--	--	--	--	--	--	--	
8/10/2007	--	--	--	--	--	--	--	--	--	--	--	--	
11/9/2007	--	--	--	--	--	--	--	--	--	--	--	--	
2/8/2008	--	--	--	--	--	--	--	--	--	--	--	--	
5/16/2008	--	--	--	--	--	--	--	--	--	--	--	--	
8/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	
11/26/2008	--	--	--	--	--	--	--	--	--	--	--	--	
2/24/2009	ND<100	1.2	2300	--	85	--	--	--	3.40	1.29	68	67	
5/28/2009	--	--	--	--	--	--	--	--	1.06	1.85	142	56	
9/14/2009	--	--	--	--	--	7.1	205	595	0.46	1.07	154	118	
2/5/2010	--	--	--	--	--	--	--	--	2.96	2.73	314	135	
8/3/2010	--	--	--	--	--	8.0	291.7	530	0.72	1.35	96	103	
2/14/2011	--	--	--	--	--	5.2	326.6	542	1.01	2.16	195	198	
MW-7													
5/28/2009	--	--	--	--	--	--	--	--	1.24	0.63	160	124	
9/14/2009	3200	2000	2200	4.2	180	6.9	217	1030	0.26	1.35	-13	-53	
11/13/2009	--	--	--	--	--	--	--	--	--	0.76	1	-24	
2/5/2010	--	--	--	--	--	--	--	--	1.46	0.69	-10	-7	
6/7/2010	1200	1200	1500	4.1	72	8.2	342.6	801	0.57	1.10	11	-13	
8/3/2010	4500	1100	1500	3.9	69	8.9	105.6	745	2.18	1.05	112	105	
11/11/2010	2000	1000	1000	2.3	67	6.3	54.88	740	1.45	2.32	176	190	
2/14/2011	2700	920	1000	2.9	55	8.0	191.4	713	0.94	1.20	198	76	
MW-8													
5/28/2009	ND<1000	280	830	12	130	9.0	124	923	2.22	1.38	146	68	
9/14/2009	480	1000	1300	7.7	260	6.2	407	1100	0.28	1.11	151	92	
11/13/2009	--	--	--	--	--	--	--	--	3.51	0.84	111	72	
2/5/2010	--	--	--	--	--	--	--	--	1.17	0.58	88	63	
6/7/2010	620	870	1200	6.1	81	8.3	350.3	791	0.72	1.27	22	35	
8/3/2010	1500	860	1300	6.8	85	8.9	218.5	733	3.03	0.90	88	101	
11/11/2010	430	810	1000	5.2	83	7.7	229.2	724	1.31	0.98	179	170	
2/14/2011	440	830	1400	5.8	75	8.0	267.0	694	2.81	3.44	197	188	
MW-9													
5/28/2009	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2b
ADDITIONAL CURRENT ANALYTICAL RESULTS

Former 76 Station 0843

Date Sampled	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Manganese (total) (µg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	Dissolved Oxygen (Lab) (mg O/)	Redox Potential (ORP-Lab) (mV)	Specific Con-ductance (umhos)	Post-purge Dissolved Oxygen ()	Pre-purge Dissolved Oxygen ()	Pre-purge ORP ()	Post-purge ORP ()	Comments
9/14/2009	ND<1000	180	4700	5.0	68	7.3	204	580	3.58	4.16	236	171	
11/13/2009	--	--	--	--	--	--	--	--	5.06	4.22	81	105	
2/5/2010	--	--	--	--	--	--	--	--	0.93	1.25	102	102	
6/7/2010	280	200	1100	6.9	41	7.9	380.3	665	0.95	1.46	61	39	
8/3/2010	160	120	540	5.8	42	7.2	300.6	651	1.02	0.70	48	64	
11/11/2010	ND<500	180	1000	6.0	35	6.5	217.8	686	1.92	2.72	201	207	
2/14/2011	230	60	440	8.1	29	9.5	305.5	690	0.78	0.64	349	346	
MW-10													
5/28/2009	150	280	350	9.1	30	7.1	139	661	0.30	1.76	151	156	
9/14/2009	210	280	380	6.3	33	6.1	205	675	2.19	0.67	235	114	
11/13/2009	--	--	--	--	--	--	--	--	1.20	1.58	95	77	
2/5/2010	--	--	--	--	--	--	--	--	0.83	0.98	87	87	
6/7/2010	260	18	340	10	29	8.1	379.1	490	3.24	3.26	82	84	
8/3/2010	150	10	150	12	27	8.4	315.2	476	3.71	3.62	74	62	
11/11/2010	ND<100	9.2	160	13	28	7.6	175.6	529	3.07	4.23	190	207	
2/14/2011	160	43	45	13	30	9.2	326.6	560	2.25	3.77	342	355	
MW-11													
5/28/2009	--	--	--	--	--	--	--	--	0.22	0.80	1.56	147	
9/14/2009	310	570	740	0.73	37	6.7	192	780	0.81	0.82	224	49	
11/13/2009	--	--	--	--	--	--	--	--	0.35	1.52	53	23	
2/5/2010	--	--	--	--	--	--	--	--	1.33	1.56	280	126	
6/7/2010	310	280	980	1.5	20	7.0	501.3	737	0.70	1.31	97	44	
8/3/2010	100	440	730	3.3	20	6.9	317.6	727	0.54	1.21	12	-20	
11/11/2010	990	610	830	2.7	23	6.6	145.0	718	0.60	2.02	192	211	
2/14/2011	240	560	760	3.1	21	9.4	473.7	750	0.88	0.56	337	324	

ARCADIS

Attachment C

Laboratory Report and Chain-of-Custody Documentation

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 02/19/2014

Kathy Brandt

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Client Project:	351849
BCL Project:	0843
BCL Work Order:	1402843
Invoice ID:	B166520

Enclosed are the results of analyses for samples received by the laboratory on 2/5/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com

Table of Contents

Chain of Custody and Cooler Receipt Form for 1402843 Page 1 of 2

CHAIN OF CUSTODY FORM

Union Oil Company of California ■ 6101 Bollinger Canyon Road ■ San Ramon, CA 94583

COC 1 of 1

Union Oil Site ID: 0843	Union Oil Consultant: Arcadis
Site Global ID: T0600102263	Consultant Contact: Katherine Brandt.
Site Address: 1629 webster St. Alameda CA	Consultant Phone No.: 510-596-9675
	Sampling Company: [redacted] Gettler-Ryan
Union Oil PM: Tim Bishop	Sampled By (PRINT): Alex Wong
Union Oil PM Phone No.: 925-790-6463	Sampler Signature:
Charge Code: NWRTB-0 351849 -0- LAB	BC Laboratories, Inc. Project Manager: Molly Meyers 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY. 14-02843	

ANALYSES REQUIRED

Turnaround Time (TAT): Standard ☒ 24 Hours ☐ 48 Hours ☐ 72 Hours ☐

Special Instructions

	Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015	TPH - G by [redacted] 8015	BTEX/MTBE/[redacted] 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	TBA/TAME/ETBE/DIPE/EDB/EDC (8260)						Notes / Comments
1	QA	W-S-A (W circled)		140205	—	2		X	X									
2	mw-1AR	W-S-A		↓	1320	6		X	X	X		X						
3	mw-1BR	W-S-A			1205	6		↓	↓	↓		↓						
4	mw-5	W-S-A			0825	6												
5	mw-6	W-S-A			0740	6												
6	mw-7	W-S-A			0945	6												
7	mw-8	W-S-A			0910	6												
8	mw-9	W-S-A			1055	6												
9	mw-10	W-S-A			1240	6												
10	mw-11	W-S-A			1020	6												
		W-S-A																
		W-S-A																

CHK BY: [initials] DISTRIBUTION: [initials] SUB-OUT ☐

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time:
[signature]	GRINC	2-5-14	GR Office			Gary Bogan	BcLab	2-5-14 1850
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time:**
Gary Bogan	BcLab	2-5-14 1545				[signature]	BCLAB	2-5-14 18:30

REL [signature] 2-5-14 2135

Rec-KO- 2-5-14 2135

Chain of Custody and Cooler Receipt Form for 1402843 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 15 07/01/13 Page 1 Of 1

Submission #: 14-02843

SHIPPING INFORMATION
Federal Express ☐ UPS ☐ Hand Delivery
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☑ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☐

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received
☑ YES ☐ NO

Emissivity: 0.97 Container: VOA Thermometer ID: 207
Temperature: (A) 5.2 °C / (C) 5.0 °C

Date/Time 2-5-14 2135
Analyst Init KLQ

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK	A 2									
40ml VOA VIAL	A 6	A 6	A 6	A 6	A 6	A 6	A 6	A 6	A 6	A 6
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments:
Sample Numbering Completed By: Date/Time: 2/6/14 1630

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/19/2014 13:27
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1402843-01	**COC Number:**	---	**Receive Date:**	02/05/2014 21:35
	Project Number:	0843	**Sampling Date:**	02/05/2014 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	QA-W-140205	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Blank Water
	Delivery Work Order:			
	Global ID: T0600102263			
	Location ID (FieldPoint): QA			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1402843-02	**COC Number:**	---	**Receive Date:**	02/05/2014 21:35
	Project Number:	0843	**Sampling Date:**	02/05/2014 13:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-1AR-W-140205	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600102263			
	Location ID (FieldPoint): MW-1AR			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1402843-03	**COC Number:**	---	**Receive Date:**	02/05/2014 21:35
	Project Number:	0843	**Sampling Date:**	02/05/2014 12:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-1BR-W-140205	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600102263			
	Location ID (FieldPoint): MW-1BR			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/19/2014 13:27
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1402843-04	**COC Number:**	---	**Receive Date:**	02/05/2014 21:35
	Project Number:	0843	**Sampling Date:**	02/05/2014 08:25
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-5-W-140205	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600102263			
	Location ID (FieldPoint): MW-5			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1402843-05	**COC Number:**	---	**Receive Date:**	02/05/2014 21:35
	Project Number:	0843	**Sampling Date:**	02/05/2014 07:40
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-6-W-140205	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600102263			
	Location ID (FieldPoint): MW-6			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1402843-06	**COC Number:**	---	**Receive Date:**	02/05/2014 21:35
	Project Number:	0843	**Sampling Date:**	02/05/2014 09:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-7-W-140205	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600102263			
	Location ID (FieldPoint): MW-7			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/19/2014 13:27
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1402843-07	**COC Number:**	---	**Receive Date:**	02/05/2014 21:35
	Project Number:	0843	**Sampling Date:**	02/05/2014 09:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-8-W-140205	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600102263	
			Location ID (FieldPoint): MW-8	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1402843-08	**COC Number:**	---	**Receive Date:**	02/05/2014 21:35
	Project Number:	0843	**Sampling Date:**	02/05/2014 10:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-9-W-140205	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600102263	
			Location ID (FieldPoint): MW-9	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1402843-09	**COC Number:**	---	**Receive Date:**	02/05/2014 21:35
	Project Number:	0843	**Sampling Date:**	02/05/2014 12:40
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-10-W-140205	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600102263	
			Location ID (FieldPoint): MW-10	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/19/2014 13:27
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information

1402843-10

COC Number: ---
Project Number: 0843
Sampling Location: ---
Sampling Point: MW-11-W-140205
Sampled By: GRD

Receive Date: 02/05/2014 21:35
Sampling Date: 02/05/2014 10:20
Sample Depth: ---
Lab Matrix: Water
Sample Type: Water
Delivery Work Order:
Global ID: T0600102263
Location ID (FieldPoint): MW-11
Matrix: W
Sample QC Type (SACode): CS
Cooler ID:

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/19/2014 13:27
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402843-01 | **Client Sample Name:** 0843, QA-W-140205, 2/5/2014 12:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	103	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	100	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/07/14 14:04	JMS	MS-V12	1	BXB0431

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/19/2014 13:27
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402843-01 | **Client Sample Name:** 0843, QA-W-140205, 2/5/2014 12:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	92.3	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/14/14	02/14/14 18:40	jjh	GC-V9	1	BXB1042

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/19/2014 13:27
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402843-02 | **Client Sample Name:** 0843, MW-1AR-W-140205, 2/5/2014 1:20:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	**0.88**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.7	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/10/14	02/10/14 16:28	JMS	MS-V12	1	BXB0431

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/19/2014 13:27
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402843-02 | **Client Sample Name:** 0843, MW-1AR-W-140205, 2/5/2014 1:20:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	99.1	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/14/14	02/14/14 19:00	jjh	GC-V9	1	BXB1042

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/19/2014 13:27
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402843-03 | **Client Sample Name:** 0843, MW-1BR-W-140205, 2/5/2014 12:05:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	97.3	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	93.8	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/10/14	02/10/14 16:46	JMS	MS-V12	1	BXB0431

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/19/2014 13:27
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402843-03 | **Client Sample Name:** 0843, MW-1BR-W-140205, 2/5/2014 12:05:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	83.9	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/14/14	02/14/14 20:21	jjh	GC-V9	1	BXB1042

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/19/2014 13:27
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402843-04 | **Client Sample Name:** 0843, MW-5-W-140205, 2/5/2014 8:25:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	**570**	**ug/L**	**5.0**	**EPA-8260B**	ND	**A01**	2
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	75 - 125 (LCL - UCL)	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	103	%	75 - 125 (LCL - UCL)	EPA-8260B			2
Toluene-d8 (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	104	%	80 - 120 (LCL - UCL)	EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	95.5	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.6	%	80 - 120 (LCL - UCL)	EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/10/14	02/10/14 23:07	JMS	MS-V12	1	BXB0681
2	EPA-8260B	02/10/14	02/11/14 14:52	JMS	MS-V12	10	BXB0681

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/19/2014 13:27
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402843-04 | **Client Sample Name:** 0843, MW-5-W-140205, 2/5/2014 8:25:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	78.8	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/14/14	02/14/14 20:41	jjh	GC-V9	1	BXB1042

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/19/2014 13:27
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402843-05 | **Client Sample Name:** 0843, MW-6-W-140205, 2/5/2014 7:40:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	**14**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.4	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/10/14	02/11/14 13:15	JMS	MS-V12	1	BXB0681

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/19/2014 13:27
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402843-05 | **Client Sample Name:** 0843, MW-6-W-140205, 2/5/2014 7:40:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	87.1	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/14/14	02/14/14 21:01	jjh	GC-V9	1	BXB1042

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/19/2014 13:27
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402843-06 | **Client Sample Name:** 0843, MW-7-W-140205, 2/5/2014 9:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	**1.5**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.9	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/10/14	02/11/14 13:32	JMS	MS-V12	1	BXB0681

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Reported: 02/19/2014 13:27
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402843-06 | **Client Sample Name:** 0843, MW-7-W-140205, 2/5/2014 9:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	86.3	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/14/14	02/14/14 21:21	jjh	GC-V9	1	BXB1042

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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402843-07 | **Client Sample Name:** 0843, MW-8-W-140205, 2/5/2014 9:10:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	99.3	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.6	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/10/14	02/10/14 23:59	JMS	MS-V12	1	BXB0431

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402843-07 | **Client Sample Name:** 0843, MW-8-W-140205, 2/5/2014 9:10:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	86.9	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/14/14	02/14/14 21:41	jjh	GC-V9	1	BXB1042

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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402843-08 | **Client Sample Name:** 0843, MW-9-W-140205, 2/5/2014 10:55:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	**710**	**ug/L**	**5.0**	**EPA-8260B**	ND	**A01**	2
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	75 - 125 (LCL - UCL)	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	101	%	75 - 125 (LCL - UCL)	EPA-8260B			2
Toluene-d8 (Surrogate)	105	%	80 - 120 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	97.5	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	91.5	%	80 - 120 (LCL - UCL)	EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/10/14	02/11/14 00:16	JMS	MS-V12	1	BXB0681
2	EPA-8260B	02/10/14	02/11/14 15:10	JMS	MS-V12	10	BXB0681

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402843-08 | **Client Sample Name:** 0843, MW-9-W-140205, 2/5/2014 10:55:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	88.3	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/14/14	02/14/14 22:01	jjh	GC-V9	1	BXB1042

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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402843-09 | **Client Sample Name:** 0843, MW-10-W-140205, 2/5/2014 12:40:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	**1.2**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.1	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/10/14	02/10/14 17:03	JMS	MS-V12	1	BXB0431

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Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402843-09 | **Client Sample Name:** 0843, MW-10-W-140205, 2/5/2014 12:40:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	82.6	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/14/14	02/14/14 22:22	jjh	GC-V9	1	BXB1042

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Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402843-10 | **Client Sample Name:** 0843, MW-11-W-140205, 2/5/2014 10:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	**1100**	**ug/L**	**6.2**	**EPA-8260B**	ND	**A01**	2
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	99.6	%	75 - 125 (LCL - UCL)	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	99.2	%	75 - 125 (LCL - UCL)	EPA-8260B			2
Toluene-d8 (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	96.0	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.3	%	80 - 120 (LCL - UCL)	EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/10/14	02/11/14 00:34	JMS	MS-V12	1	BXB0681
2	EPA-8260B	02/10/14	02/12/14 11:33	JMS	MS-V12	12.500	BXB0681

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402843-10 | **Client Sample Name:** 0843, MW-11-W-140205, 2/5/2014 10:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	86.0	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/14/14	02/14/14 22:42	jjh	GC-V9	1	BXB1042

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Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB0431						
Benzene	BXB0431-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BXB0431-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BXB0431-BLK1	ND	ug/L	0.50		
Ethylbenzene	BXB0431-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BXB0431-BLK1	ND	ug/L	0.50		
Toluene	BXB0431-BLK1	ND	ug/L	0.50		
Total Xylenes	BXB0431-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BXB0431-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BXB0431-BLK1	ND	ug/L	10		
Diisopropyl ether	BXB0431-BLK1	ND	ug/L	0.50		
Ethanol	BXB0431-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BXB0431-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane-d4 (Surrogate)	**BXB0431-BLK1**	**105**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BXB0431-BLK1**	**104**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BXB0431-BLK1**	**98.9**	%	**80 - 120 (LCL - UCL)**		
QC Batch ID: BXB0681						
Benzene	BXB0681-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BXB0681-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BXB0681-BLK1	ND	ug/L	0.50		
Ethylbenzene	BXB0681-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BXB0681-BLK1	ND	ug/L	0.50		
Toluene	BXB0681-BLK1	ND	ug/L	0.50		
Total Xylenes	BXB0681-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BXB0681-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BXB0681-BLK1	ND	ug/L	10		
Diisopropyl ether	BXB0681-BLK1	ND	ug/L	0.50		
Ethanol	BXB0681-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BXB0681-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane-d4 (Surrogate)	**BXB0681-BLK1**	**104**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BXB0681-BLK1**	**102**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BXB0681-BLK1**	**97.3**	%	**80 - 120 (LCL - UCL)**		

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXB0431										
Benzene	BXB0431-BS1	LCS	25.720	25.000	ug/L	103		70 - 130		
Toluene	BXB0431-BS1	LCS	25.400	25.000	ug/L	102		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXB0431-BS1	LCS	10.080	10.000	ug/L	101		75 - 125		
Toluene-d8 (Surrogate)	BXB0431-BS1	LCS	10.150	10.000	ug/L	102		80 - 120		
4-Bromofluorobenzene (Surrogate)	BXB0431-BS1	LCS	10.090	10.000	ug/L	101		80 - 120		
QC Batch ID: BXB0681										
Benzene	BXB0681-BS1	LCS	27.680	25.000	ug/L	111		70 - 130		
Toluene	BXB0681-BS1	LCS	27.320	25.000	ug/L	109		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXB0681-BS1	LCS	9.8700	10.000	ug/L	98.7		75 - 125		
Toluene-d8 (Surrogate)	BXB0681-BS1	LCS	10.180	10.000	ug/L	102		80 - 120		
4-Bromofluorobenzene (Surrogate)	BXB0681-BS1	LCS	10.160	10.000	ug/L	102		80 - 120		

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXB0431	Used client sample: N										
Benzene	MS	1400811-74	ND	31.240	25.000	ug/L		125		70 - 130	
	MSD	1400811-74	ND	30.060	25.000	ug/L	3.8	120	20	70 - 130	
Toluene	MS	1400811-74	ND	30.200	25.000	ug/L		121		70 - 130	
	MSD	1400811-74	ND	28.940	25.000	ug/L	4.3	116	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1400811-74	ND	9.6600	10.000	ug/L		96.6		75 - 125	
	MSD	1400811-74	ND	9.7800	10.000	ug/L	1.2	97.8		75 - 125	
Toluene-d8 (Surrogate)	MS	1400811-74	ND	9.9100	10.000	ug/L		99.1		80 - 120	
	MSD	1400811-74	ND	10.090	10.000	ug/L	1.8	101		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1400811-74	ND	10.160	10.000	ug/L		102		80 - 120	
	MSD	1400811-74	ND	10.440	10.000	ug/L	2.7	104		80 - 120	
QC Batch ID: BXB0681	Used client sample: N										
Benzene	MS	1400811-78	ND	30.550	25.000	ug/L		122		70 - 130	
	MSD	1400811-78	ND	26.450	25.000	ug/L	14.4	106	20	70 - 130	
Toluene	MS	1400811-78	ND	30.550	25.000	ug/L		122		70 - 130	
	MSD	1400811-78	ND	26.780	25.000	ug/L	13.2	107	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1400811-78	ND	9.9600	10.000	ug/L		99.6		75 - 125	
	MSD	1400811-78	ND	9.9100	10.000	ug/L	0.5	99.1		75 - 125	
Toluene-d8 (Surrogate)	MS	1400811-78	ND	10.230	10.000	ug/L		102		80 - 120	
	MSD	1400811-78	ND	9.9600	10.000	ug/L	2.7	99.6		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1400811-78	ND	10.390	10.000	ug/L		104		80 - 120	
	MSD	1400811-78	ND	10.380	10.000	ug/L	0.1	104		80 - 120	

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB1042						
Gasoline Range Organics (C6 - C12)	BXB1042-BLK1	ND	ug/L	50		
a,a,a-Trifluorotoluene (FID Surrogate)	**BXB1042-BLK1**	**110**	%	**70 - 130 (LCL - UCL)**		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXB1042										
Gasoline Range Organics (C6 - C12)	BXB1042-BS1	LCS	889.93	1000.0	ug/L	89.0		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BXB1042-BS1	LCS	42.424	40.000	ug/L	106		70 - 130		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXB1042	Used client sample: N										
Gasoline Range Organics (C6 - C12)	MS	1400811-90	ND	947.41	1000.0	ug/L		94.7		70 - 130	
	MSD	1400811-90	ND	881.59	1000.0	ug/L	7.2	88.2	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1400811-90	ND	45.798	40.000	ug/L		114		70 - 130	
	MSD	1400811-90	ND	43.212	40.000	ug/L	5.8	108		70 - 130	

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Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.