Roya C. Kambin
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6270
RKLG@chevron.com

September 15, 2011

Mr. Barbara Jakub
Alameda County Health Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

RE: Third Quarter 2011 Groundwater Monitoring Report
1629 Webster Street, Alameda, California
Fuel Leak Case No.: RO0000450

Dear Mr. Wickham,

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) 790-6270.

Sincerely,

Roya Kambin
Union Oil of California – Project Manager

Attachment
Third Quarter 2011 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

ENVIRONMENT

Ms. Barbara Jakub
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502-6577

Subject:
Third Quarter 2011 Monitoring Report Submittal

Date:
September 15, 2011

Contact:
Katherine Brandt

Phone:
510.596.9675

Email:
katherine.brandt@arcadis-us.com

Our ref:
B0047584.0001

Dear Ms. Jakub:

On behalf of Union Oil of California (Union Oil) as agents of ConocoPhillips, 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, please contact Katherine Brandt at 510.596.9675.
Sincerely,

ARCADIS

David Lay
Professional Geologist

Katherine Brandt
Certified Project Manager

Copies:
Ms. Cherie McCaulou, CRWQCB – San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, California 94612 (CD)

UNION OIL OF CALIFORNIA
QUARTERLY MONITORING REPORT
THIRD QUARTER 2011
September 15, 2011

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 / Ms. Barbara Jakub Case No. RO0000450

WORK PERFORMED DURING THIS REPORTING PERIOD (Third Quarter – 2011) :

1. TRC Solutions (TRC) conducted groundwater monitoring and sampling on August 4, 2011. Field data sheets and general procedures are included as **Attachment A**. Twelve (12) groundwater monitoring wells were gauged and sampled during this monitoring event.

   All groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g) by United States Environmental Protection Agency (EPA) Method 8015B-GC/MS; 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) and 1,2-dichloroethane (1,2-DCE or EDC) by EPA Method 8260B; as well as field parameters electrical conductivity (EC), dissolved oxygen (DO), and oxidation reduction potential (ORP).

   Additionally, the samples collected from groundwater monitoring wells MW-1, MW-1AR, MW-1BR, MW-7, MW-8, MW-9, MW-10, and MW-11 were analyzed for nitrate as NO_3, sulfate, ferrous iron, non-volatile organic compounds, chromium (hexavalent, dissolved, and total), dissolved manganese, total recoverable manganese, dissolved vanadium, and total recoverable vanadium. Samples collected from wells MW-5 and MW-6 were only additionally analyzed for chromium (hexavalent, dissolved, and total).

   The site location map, the site plan, and the groundwater contour map are presented on **Figures 1** through **3**. Concentration maps for TPH-g, benzene, and MTBE are on **Figures 4** through **6**. Current Groundwater Gauging and Analytical Results are summarized in **Table 1**, Additional Groundwater Analytical Results are summarized in **Table 2**, 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**.

   This quarter's groundwater gauging and sampling event was coordinated on the same date at the adjacent Shell Station No. 13-5032 (Shell) located at 1601 Webster Street. Field data sheets for the Shell station are included in **Attachment A**. Concentration data for TPH-g, benzene, and MTBE related to monitoring wells associated with the Shell are included on **Figures 4** through **6**. A copy of Shell's laboratory analytical report and chain-of-custody documentation is included as **Attachment C**.

WORK PROPOSED FOR THE NEXT REPORTING PERIOD (First Quarter – 2012):

1. Perform groundwater monitoring and related reporting during first quarter 2012.

Current Phase of Project:	Groundwater Monitoring/Remediation Pending
Site Use:	Vacant Lot
Frequency of Sampling:	Groundwater – Quarterly
Frequency of Monitoring:	Groundwater – Quarterly
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:	Unknown
Bulk Soil Removed this Quarter:	None

UNION OIL OF CALIFORNIA
QUARTERLY MONITORING REPORT
THIRD QUARTER 2011
September 15, 2011

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

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		
Permits for Discharge (No.):		None		
Approximate Depth to Groundwater:		5.63 (MW-5) – 6.95 (MW-1AR) feet		
		Measured X	Estimated	
Groundwater Gradient:	0.006 ft/ft	(Magnitude)	Northeast	(Direction)

DISCUSSION:

Groundwater conditions during the third quarter 2011 remained generally consistent with previous quarters. The maximum dissolved concentrations of TPH-g (2,300 micrograms per liter [µg/L]), MTBE (6,300 µg/L), TBA (2,200 µg/L), and TAME (6.7 µg/L) were detected in the samples collected from MW-7. Benzene, toluene, ethylbenzene, total xylenes, ETBE, DIPE, EDB, EDC, and ethanol were not detected above the laboratory reporting limits for all wells sampled.

Additionally, maximum concentrations of ferrous iron (3,400 milligrams per liter [mg/L]) and non-volatile organic compounds (4.0 mg/L) were detected in the samples collected from MW-7. Maximum concentrations of total chromium (99 µg/L) and total recoverable vanadium (63 µg/L) were detected in the samples collected from MW-1. Maximum concentrations of dissolved manganese (760 µg/L) and total recoverable manganese (1,000 µg/L) were detected in the samples collected from MW-8. Maximum concentration of nitrate as NO_3 (28 mg/L) was detected in the sample collected from MW-1BR. Maximum concentration of hexavalent chromium (6.7 µg/L) was detected in the sample collected from MW-10, a decrease in concentration from previous sampling events. The maximum concentration of sulfate (48 µg/L) was detected in the samples collected from MW-7 and MW-8. Dissolved chromium and dissolved vanadium were not detected at or above the laboratory reporting limits for all wells sampled.

Groundwater elevations at the service station vary by approximately one-and-a-half feet, creating a relatively gentle hydraulic gradient of 0.006 feet per foot in the northeast direction.

CONCLUSIONS AND RECOMMENDATIONS:

Dissolved hydrocarbon constituent concentrations have remained relatively consistent with previous quarters. ARCADIS recommends continued groundwater monitoring.

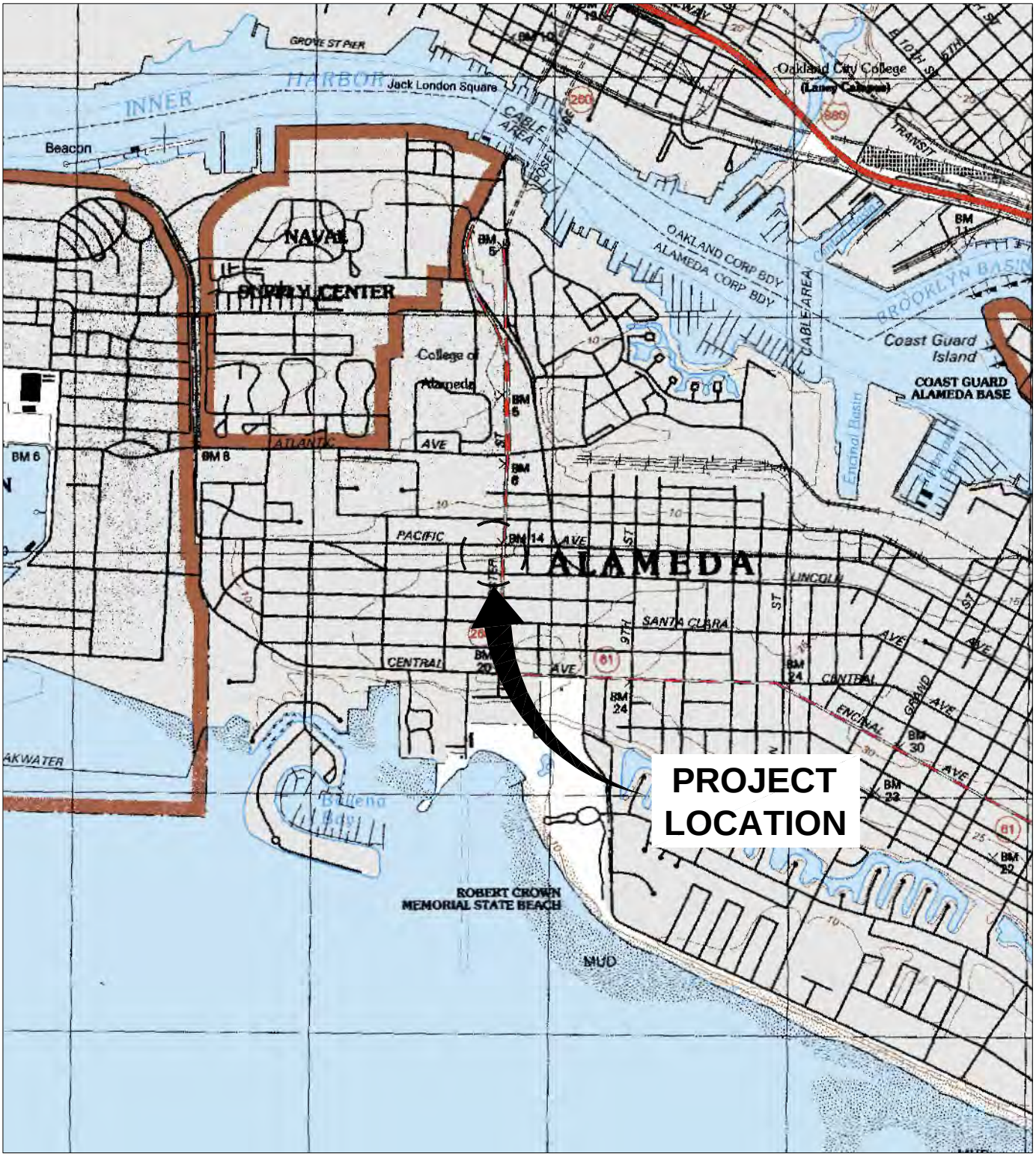
ATTACHMENTS:

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

Table 1: Current Groundwater Gauging and Analytical Results
Table 2: 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

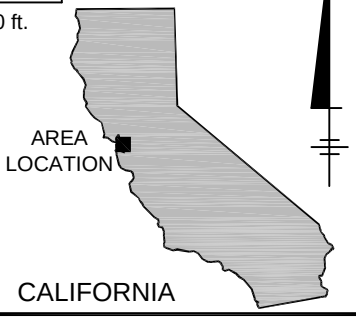
Figures



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:(Opt)ON=*;OFF=*REF*
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Oakland West.jpg

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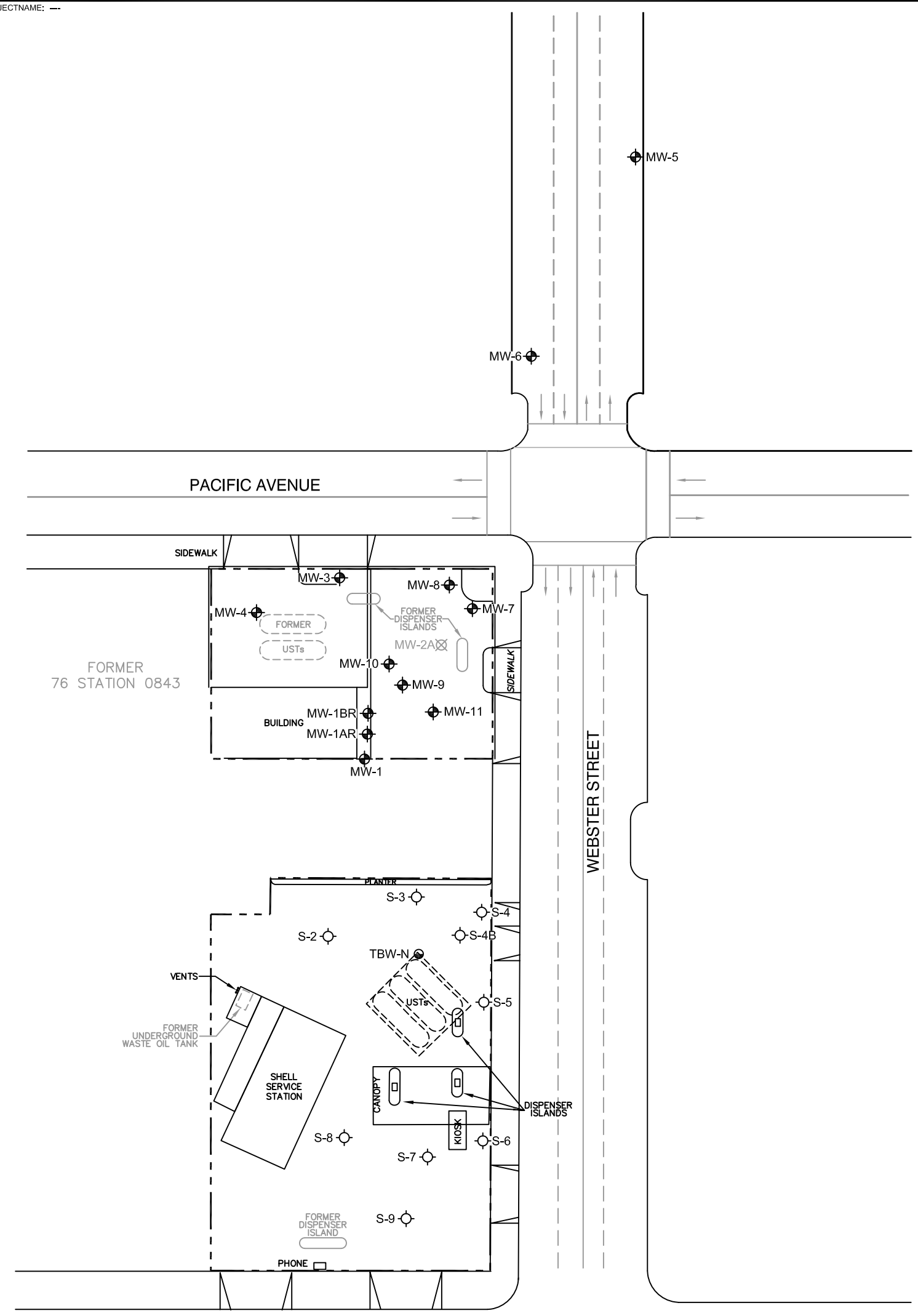

LEGEND

- 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

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. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

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

SITE PLAN

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FIGURE
2

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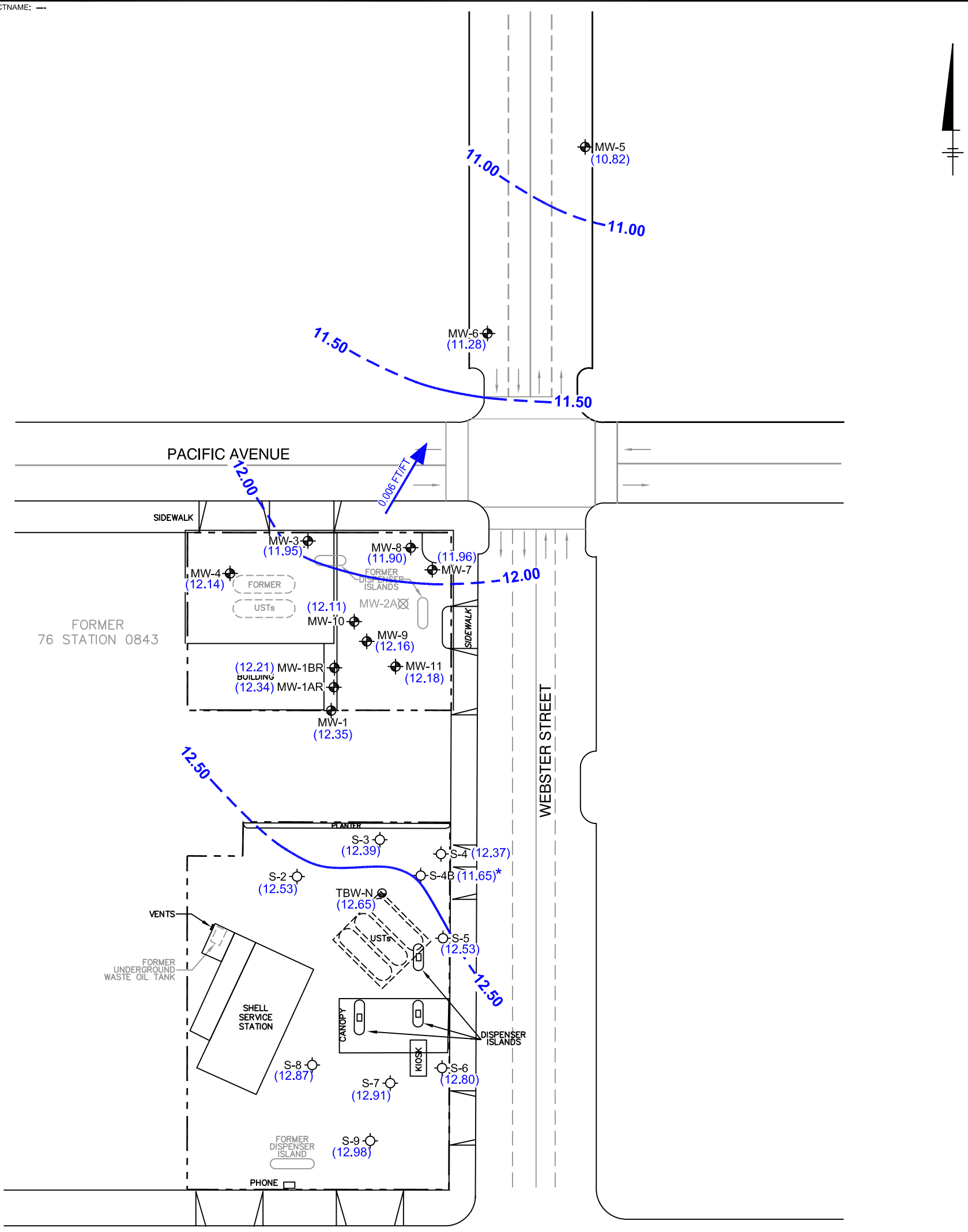

LEGEND

- 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
- (10.82) GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL (FT MSL)
- 11.00 GROUNDWATER ELEVATION CONTOUR (FT MSL; DASHED WHERE INFERRED)
- 0.006 FT/FT APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FOOT PER FOOT)
- * NOT USED IN CONTOURING

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. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

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

GROUNDWATER ELEVATION CONTOUR MAP AUGUST 4, 2011

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FIGURE
3

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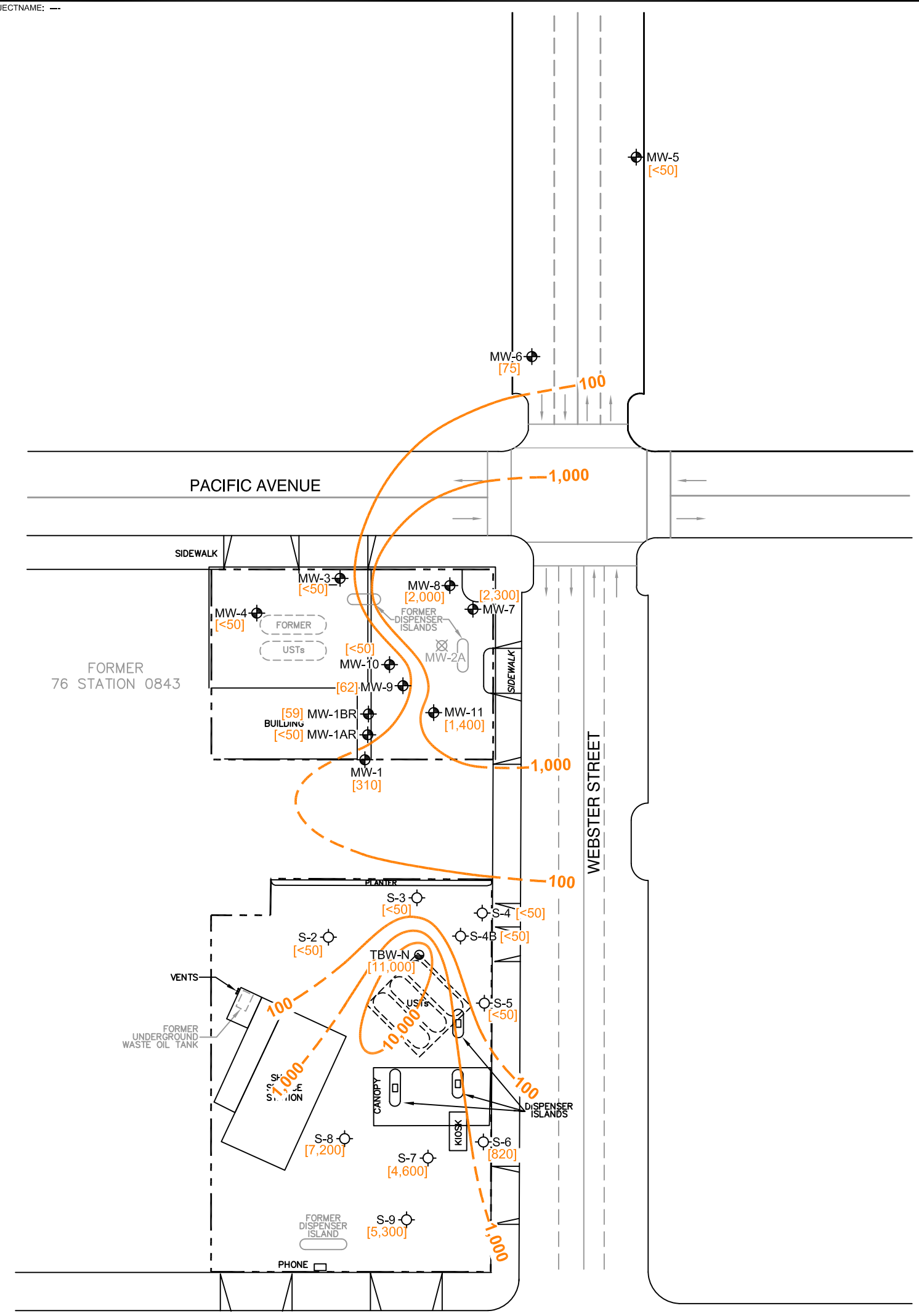

LEGEND

- 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
- [TPH-g] TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (C4-C12) CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- 100 TPH-g ISOCONCENTRATION CONTOUR (µg/L; DASHED WHERE INFERRED)
- < DENOTES LESS THAN LABORATORY REPORTING LIMIT

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. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

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

TPH-g CONCENTRATION MAP AUGUST 4, 2011

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FIGURE
4

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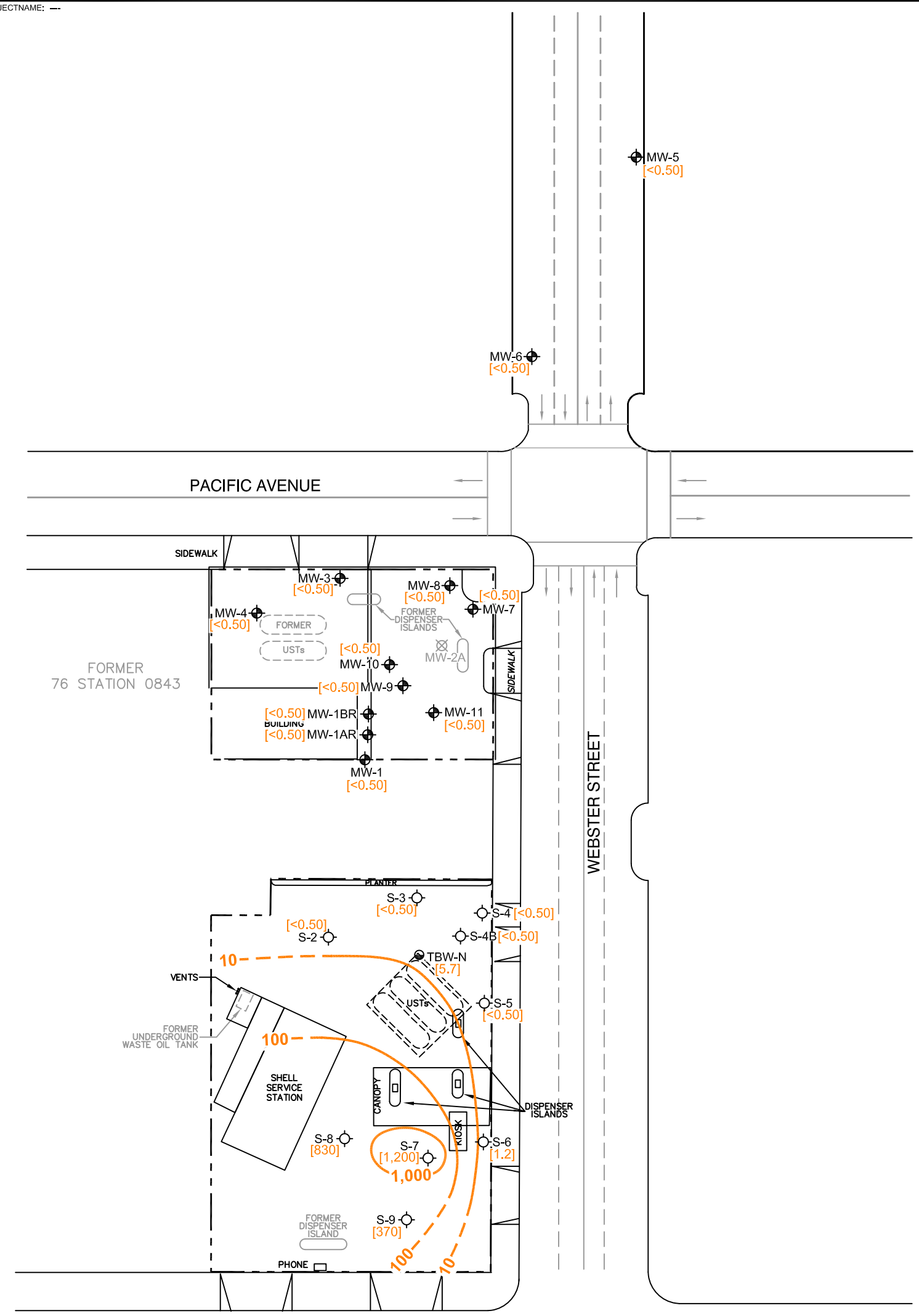

LEGEND

- 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)
- 100 BENZENE ISOCONCENTRATION CONTOUR (µg/L; DASHED WHERE INFERRED)
- < DENOTES LESS THAN LABORATORY REPORTING LIMIT

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. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

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

BENZENE CONCENTRATION MAP AUGUST 4, 2011

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FIGURE
5

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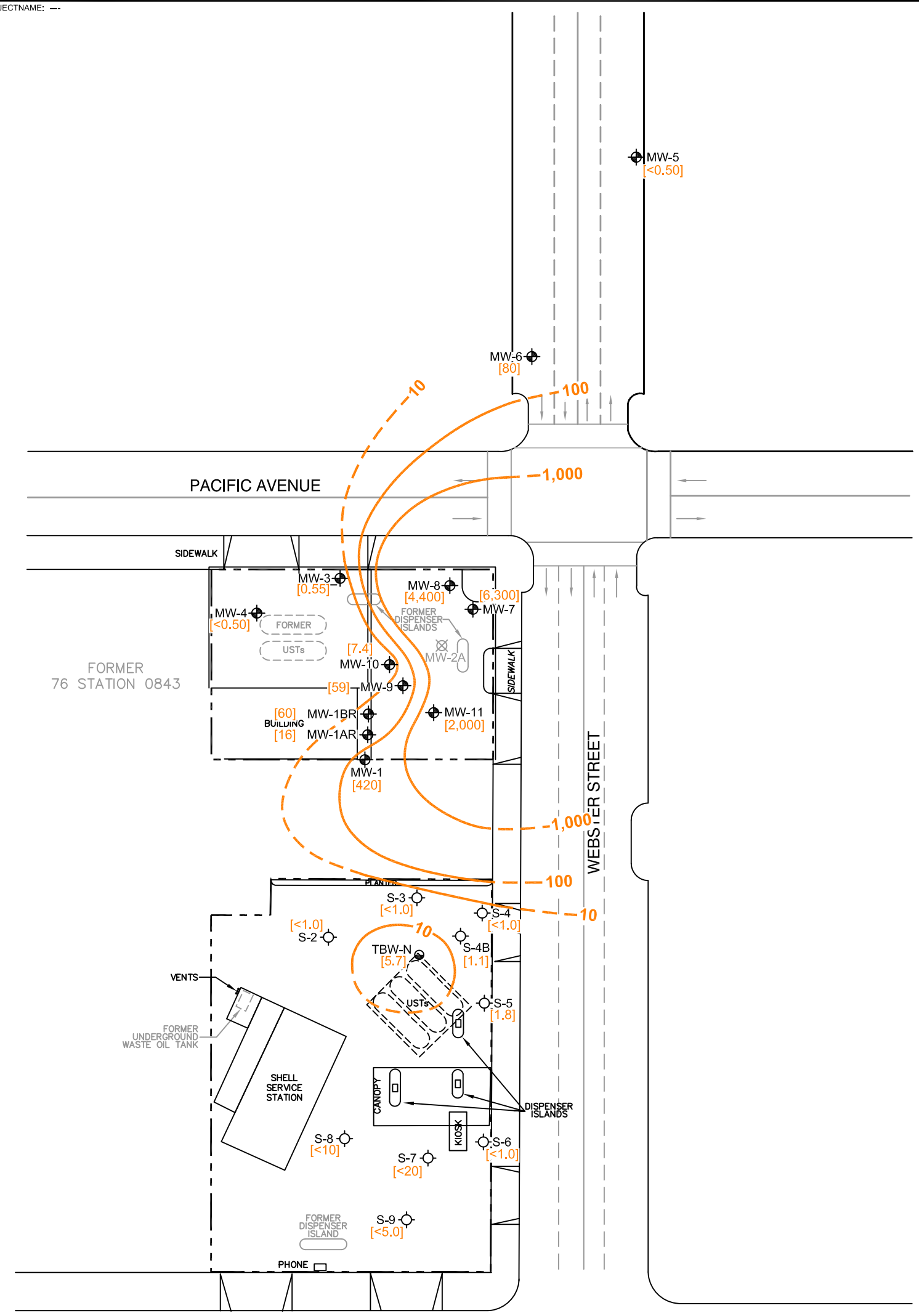

LEGEND

- 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
- [MTBE] METHYL TERTIARY BUTYL ETHER CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- 100 MTBE ISOCONCENTRATION CONTOUR (µg/L; DASHED WHERE INFERRED)
- < DENOTES LESS THAN LABORATORY REPORTING LIMIT

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. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

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

MTBE CONCENTRATION MAP AUGUST 4, 2011

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FIGURE 6

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Tables

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

Well ID	Date Sampled	TOC Elevation (feet AMSL)	DTW (feet bTOC)	LPH Thickness (feet)	GW Elevation (feet AMSL)	TPH-G Luft-GC/MS	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-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-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-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-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-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-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-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-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-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-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-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

Note

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

Standard Abbreviations

<	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)
AMSL	above 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)
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.

Table 2
Additional Groundwater Analytical Results
Union Oil of California
Unocal Site 0843
1629 Webster Street, Alameda, California

Well ID	Date Sampled	EC @ 25°C (umhos/cm)	DO (mg/l)	ORP (mV)	Nitrate as NO3 (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
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
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-1BR	8/4/2011	437	9.4	310.9	28	27	170	1.3	<2.0	<10	98	<3.0	13	170	7.4
MW-3	8/4/2011	614	6.1	312.8	--	--	--	--	--	--	--	--	--	--	--
MW-4	8/4/2011	1,080	9.7	311.5	--	--	--	--	--	--	--	--	--	--	--
MW-5	8/4/2011	582	7.1	282.0	--	--	--	--	<2.0	<10	120	--	--	--	--
MW-6	8/4/2011	484	6.9	316.9	--	--	--	--	<2.0	<10	82	--	--	--	--
MW-7	8/4/2011	635	7.8	4.840	4.0	48	3,400	4.0	<2.0	<10	680	<3.0	58	880	36
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
MW-9	8/4/2011	629	7.8	333.4	15	45	280	2.3	5.2	<10	45	<3.0	56	660	27
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-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

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
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

ARCADIS

Attachment A

Field Data Sheets and General Procedures

123 Technology Drive West
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

DATE: August 17, 2011

TO: Katherine Brandt
ARCADIS U.S., Inc.
1900 Powell Street, 12th Floor
Emeryville, California 94608

SITE: Unocal Site 0843
Facility 351849
1629 Webster Street, Alameda CA

RE: Transmittal of Groundwater Monitoring Data

Dear Ms. Brandt,

Please find attached the field data sheets, chain of custody (COC) forms, and technical services request (TSR) form for the monitoring event that was completed on August 4, 2011. Field measurements and collection of samples submitted to the laboratory were completed in general accordance with our usual groundwater monitoring protocol which is also attached for your reference.

Please call me at 949-341-7440 if you have questions.

Sincerely,

TRC

Anju Farfan
Groundwater Program Operations Manager

GENERAL FIELD PROCEDURES

Groundwater Gauging and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater gauging and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements (Gauging)

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Unless otherwise instructed, a well that is found to contain a measureable amount of LPH (0.01 foot) is not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurements are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously, using a flow cell, until they become stable in general accordance with EPA guidelines.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

GENERAL FIELD PROCEDURES

Samples are collected by lowering a new, disposable polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

Sample containers are labeled with project number (or site number), well designation, sample date, sample time, and the sampler's initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging and Sampling

The sequence in which monitoring activities are conducted is specified on the TSR. In general, wells are gauged beginning with the least affected well and ending with the well that has the highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected to the most-affected well. If wells must be gauged or sampled out of order, alternate interface probes and/or pumps are utilized and are noted in field documentation.

Decontamination

In order to reduce the possibility of cross contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging, and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liquinox and water and rinsing twice. The final rinse is in deionized water.

Purge Water Disposal

Purge water is generally collected in labeled drums for disposal as non-hazardous waste. Drums may be left on site for disposal by others, or transported to a collection location at a TRC field office, in either Fullerton, California or Concord, California, for eventual transfer to a licensed treatment or recycling facility. Alternatively, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

Technician: A. Vidners Job #/Task #: 183487.0035.1849 Date: 8/4/11

Site # 0843 Project Manager AF Page 2 of 2

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-9	✓	0606	24.44	6.59	—	—	0736	2"
MW-10	✓	0610	29.19	6.73	—	—	0759	2"
MW-11	✓	0613	27.52	6.54	—	—	0811	2"
MW-7	✓	0616	29.13	5.85	—	—	0856	2"
MW-8	✓	0620	29.53	6.23	—	—	0906	2"
MW-5	✓	0630	20.28	5.63	—	—	0948	2"

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

MANIFEST DRUM INVENTORY TRAFFIC CONTROL

TRC

FIELD MONITORING DATA SHEET

Technician: JOE Job #/Task #: 183487.0035.1849/00TA01 Date: 08/04/11

Site # 0843 Project Manager A. Farfan Page 1 of 2

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-1	X	0554	20.13	6.78	—	—	0826	2"
MW-1AR	X	0600	29.74	6.95	—	—	0842	2"
MW-1BR	X	0605	34.50	6.92	—	—	0859	2"
MW-3	X	0611	19.85	6.10	—	—	0935	2"
MW-4	X	0618	17.10	6.00	—	—	1005	2"
MW-6	X	0627	20.07	5.69	—	—	0714	2"

FIELD DATA COMPLETE ✓ QA/QC ✓ COC ✓ WELL BOX/CONDITION SHEETS ✓

MANIFEST DRUM INVENTORY TRAFFIC CONTROL ✓

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vidrevs

Site: 0843 Project No.: 183487.0035.1849 Date: 8/4/11

Well No. MW-8 Purge Method: Sub

Depth to Water (feet): 6.23 Depth to Product (feet): —

Total Depth (feet) 29.53 LPH & Water Recovered (gallons): —

Water Column (feet): 23.30 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 10.89 1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							0.94	169	
0837			4	638.2	20.4	6.59	0.73	169	
	0842		8	660.6	20.1	6.59	0.72	165	
0843	0845		12	692.6	20.2	6.54	0.70	161	

Static at Time Sampled	Total Gallons Purged	Sample Time
6.81	12	0906

Comments: Dry at 9 gallons, recharges quickly.

Well No. MW-5 Purge Method: Sub

Depth to Water (feet): 5.63 Depth to Product (feet): —

Total Depth (feet) 20.28 LPH & Water Recovered (gallons): —

Water Column (feet): 14.65 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 8.56 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							1.77	154	
0935			3	578.3	19.6	6.89	2.16	152	
			6	626.1	19.6	6.79	1.61	155	
	0939		9	616.9	19.4	6.71	1.54	154	

Static at Time Sampled	Total Gallons Purged	Sample Time
8.56	9	0948

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A Vidvers

Site: 0843 Project No.: 183487.0035.1849 Date: 8/4/11

Well No. MW-9 Purge Method: Sub

Depth to Water (feet): 6.59 Depth to Product (feet): —

Total Depth (feet) 24.44 LPH & Water Recovered (gallons): —

Water Column (feet): 17.85 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 10.16 1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							3.92	151	
0653			4	689.1	18.9	6.95	2.63	141	
			8	741.0	18.8	6.84	2.28	143	
	0658		12	707.3	18.9	6.74	2.72	145	

Static at Time Sampled	Total Gallons Purged	Sample Time
6.89	12	0736

Comments:

Well No. MW-10 Purge Method: Sub

Depth to Water (feet): 6.73 Depth to Product (feet): —

Total Depth (feet) 29.19 LPH & Water Recovered (gallons): —

Water Column (feet): 22.46 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 11.22 1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							2.27	145	
0702			4	492.4	19.2	6.64	1.68	147	
			8	503.0	19.1	6.57	1.42	151	
	0707		12	507.7	19.0	6.51	1.14	154	

Static at Time Sampled	Total Gallons Purged	Sample Time
6.83	12	0759

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vickers

Site: 0843 Project No.: 183487.0035.1849 Date: 8/4/11

Well No. MW-11 Purge Method: Sub

Depth to Water (feet): 6.54 Depth to Product (feet): —

Total Depth (feet) 27.52 LPH & Water Recovered (gallons): —

Water Column (feet): 20.98 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 10.74 1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							0.98	161	
0711			4	777.8	19.2	6.38	0.87	162	
			8	780.7	18.9	6.40	0.80	164	
	0717		12	771.1	18.8	6.41	0.75	165	

Static at Time Sampled	Total Gallons Purged	Sample Time
6.83	12	0811

Comments:

Well No. MW-7 Purge Method: Sub

Depth to Water (feet): 5.85 Depth to Product (feet): —

Total Depth (feet) 29.13 LPH & Water Recovered (gallons): —

Water Column (feet): 23.28 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 10.51 1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							0.81	174	
0825			4	721.5	19.5	6.62	1.24	177	
	0831		8	744.4	19.5	6.56	1.12	178	
0832	0834		12	750.5	20.1	6.55	0.78	174	

Static at Time Sampled	Total Gallons Purged	Sample Time
8.23	12	0856

Comments: Dry at 8 gallons, recharges quickly.

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 0843 Project No.: 183487.0035.1849 Date: 08/04/14

Well No. MW-1 Purge Method: SUB

Depth to Water (feet): 6.78 Depth to Product (feet): —

Total Depth (feet) 20.13 LPH & Water Recovered (gallons): —

Water Column (feet): 13.35 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 9.45 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							2.59	143	
0738			3	339.7	17.8	7.23	1.96	159	
			6	447.6	18.1	6.66	0.64	161	
	0742		9	517.7	17.8	6.62	1.62	161	
0745			12	5565	18.2	6.69	0.81	154	
	0747		15	435.7	18.4	6.70	2.36	153	

Static at Time Sampled	Total Gallons Purged	Sample Time
6.94	15	0826

Comments:

Well No. MW-1AR Purge Method: SUB

Depth to Water (feet): 6.95 Depth to Product (feet): —

Total Depth (feet) 29.74 LPH & Water Recovered (gallons): —

Water Column (feet): 22.79 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 11.50 1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							1.02	145	
0753			4	410.8	18.2	6.86	0.78	147	
			8	419.5	18.3	6.74	0.47	146	
			12	419.1	18.4	6.75	0.86	144	
			16	413.2	18.4	6.81	1.90	140	
	0802		20	408.6	18.4	6.82	4.58	140	

Static at Time Sampled	Total Gallons Purged	Sample Time
7.20	20	0842

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 0843 Project No.: 183487.0035.1849 Date: 08/04/11

Well No. MW-1BR Purge Method: SUB

Depth to Water (feet): 6.92 Depth to Product (feet): —

Total Depth (feet) 34.50 LPH & Water Recovered (gallons): —

Water Column (feet): 27.58 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 12.43 1 Well Volume (gallons): 5

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							0.82	138	
0807			5	453.0	18.3	6.72	0.72	138	
			10	456.7	18.5	6.80	0.68	137	
	0814		15	453.3	18.6	6.82	0.75	127	
								4	

Static at Time Sampled	Total Gallons Purged	Sample Time
7.21	15	0859

Comments:

Well No. MW-3 Purge Method: SUB

Depth to Water (feet): 6.10 Depth to Product (feet): —

Total Depth (feet) 19.85 LPH & Water Recovered (gallons): —

Water Column (feet): 13.75 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 8.85 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							0.95	147	
0919			3	596.3	19.7	6.91	0.68	151	
			6	648.3	19.5	6.92	0.70	152	
	0924		9	654.3	19.3	6.82	0.69	154	

Static at Time Sampled	Total Gallons Purged	Sample Time
8.30	9	0935

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 0843 Project No.: 183487.0035.1849 Date: 08/04/11

Well No. MW-4 Purge Method: HB

Depth to Water (feet): 6.00 Depth to Product (feet): —

Total Depth (feet) 17.10 LPH & Water Recovered (gallons): —

Water Column (feet): 11.10 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 8.22 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							3.06	145	
0948			2	1197	21.4	7.07	3.77	148	
			4	1212	20.6	7.09	4.01	148	
	0956		6	1210	19.9	7.24	4.12	149	

Static at Time Sampled	Total Gallons Purged	Sample Time
8.22	6	1005

Comments:

Well No. MW-6 Purge Method: DTA

Depth to Water (feet): 5.69 Depth to Product (feet): —

Total Depth (feet) 20.07 LPH & Water Recovered (gallons): —

Water Column (feet): 14.38 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 8.56 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							1.34	167	
0657			3	542.0	17.5	6.88	1.23	173	
			6	536.7	17.5	6.75	1.60	174	
	0659		9	538.2	17.5	6.77	5.98	172	

Static at Time Sampled	Total Gallons Purged	Sample Time
6.35	9	0714

Comments: DRY AT 6 GALS

TRC

WELL BOX CONDITION REPORT

SITE NO. 0843

ADDRESS 1629 Webster ST.

DATE 08/04/11

PERFOMED BY: JOE

Well Name	Current Well Box Size	# of Ears	# of Stripped Ears	# of Broken Ears	# of Broken Bolts	# of Missing Bolts	Seal Damaged	Missing Lid	Broken Lid	Well Box is Exposed	Well Box is Below Grade	Unable to Access	Unable to Locate	Foundation Damaged	Paved Over	Street Well	Saw Cut Needed	System Well	USA Marked Well	Comments
MW-1	8"	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
MW-1AR	8"	2	N	1	N	W	X	N	N	N	N	N	N	N	N	N	N	N	N	
MW-1BR	8"	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
MW-3	8"	3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
MW-4	8"	3	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	
MW-6	8"	3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	

TRC

WELL BOX CONDITION REPORT

SITE NO. 0843

ADDRESS 1629 Webster St. Alameda, CA

DATE 8/4/11

PERFOMED BY: A. Vidrers

Well Name	Current Well Box Size	# of Ears	# of Stripped Ears	# of Broken Ears	# of Broken Bolts	# of Missing Bolts	Seal Damaged	Missing Lid	Broken Lid	Well Box is Exposed	Well Box is Below Grade	Unable to Access	Unable to Locate	Foundation Damaged	Paved Over	Street Well	Saw Cut Needed	System Well	USA Marked Well	Comments
MW-9	8"	2	0	0	0	0	Y	N	N	N	N	N	N	N	N	N	N	N	N	
MW-10	12"	2	0	0	0	0	N	N	N	N	N	N	N	N	N	N	N	N	N	
MW-11	8"	2	0	1	0	0	N	N	N	N	N	N	N	N	N	N	N	N	N	
MW-7	8"	2	0	0	0	0	Y	N	N	N	N	N	N	N	N	N	N	N	N	
MW-8	8"	2	0	1	0	0	N	N	N	N	N	N	N	N	N	N	N	N	N	
MW-5	12"	2	0	0	0	0	N	N	N	N	N	N	N	N	N	Y	N	N	N	

TRC

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: Kathy Brandt
Site Address: 1629 Webster St. Alameda, CA	Consultant Phone No.: 510 596-9675
	Sampling Company: TRC
Union Oil PM: Roya Kambin	Sampled By (PRINT): A. Viduers / J. Lewis
Union Oil PM Phone No.: 925 790 6270	Sampler Signature: [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.

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

Special Instructions: Please preserve 2 1L Ambers with H2SO4 for TOC by 415.1

ANALYSES REQUIRED:
1. Chromium by 7196, Dissolved Chromium by 6010, Total Chromium by 6010 (~~TPH - Diesel by EPA 8015~~)
2. TPH - G by GC/MS
3. BTEX/MTBE/OXYS by EPA 8260B
4. Ethanol by EPA 8260B, EDB/EDC by 8260B
5. TOC by 415.1 (~~EPA 8260B Full List with OXYS~~)
6. Specific conductance by 120.1, DO by SM4500-O
7. ORP by ASTM D1498
8. Sulfate by 300.0, Nitrate by 300.0, Dissolved Manganese by 200.8
9. Dissolved Vanadium by 200.8, Dissolved Chromium by 6010
10. Chromium VI by 7196, Total Chromium by 6010, Total Manganese by 200.8
11. Total Vanadium by 200.8, Ferrous Iron by 3500FE-D

Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	1	2	3	4	5	6	7	8	9	10	11	Notes / Comments
MW-9	W-S-A		110804	0736	9		X	X	X	X	X	X	X	X	X	X	
MW-10	W-S-A		|	0759	9		|	|	|	X	|	|	X	X	X	X	
MW-11	W-S-A		|	0811	9		|	|	|	X	|	|	X	X	X	X	
MW-7	W-S-A		|	0856	9		|	|	|	X	|	|	X	X	X	X	
MW-8	W-S-A		|	0906	9		|	|	|	X	|	|	X	X	X	X	
MW-5	W-S-A		|	0948	~~5~~ 8	X	|	|	|		|	|					
MW-1	W-S-A		|	0826	9		|	|	|	X	|	|	X	X	X	X	
MW-1AR	W-S-A		|	0842	9		|	|	|	X	|	|	X	X	X	X	
MW-1BR	W-S-A		|	0859	9		|	|	|	X	|	|	X	X	X	X	
MW-3	W-S-A		|	0935	6		|	|	|		|	|					
MW-4	W-S-A		|	1005	6		|	|	|		|	|					
MW-6	W-S-A		↓	0714	~~5~~ 8	X	↓	↓	↓		↓	↓					

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time:
[signature]	TRC	1300 8/4/11						
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time:**
[signature] P. BINS	BCL	8/4/11 13:00						

TRC SOLUTIONS

TECHNICAL SERVICES REQUEST FORM

23-Jun-11

Site ID:	0843	**Project No.:**	183487.0035.1849 / 00TA01
Address	1629 Webster Street	**Client:**	Roya Kambin
City:	Alameda	**Contact #:**	925-790-6270
Cross Street:	Pacific Ave	**PM:**	Kathy Brandt Arcadis
		PM Contact #:	510-596-9675

Total number of wells:	12	**Min. Well Diameter (in.):**	2	**# of Techs, # of Hrs:**	2, 8
Depth to Water (ft.):	6	**Max. Well Diameter (in.):**	2	**Travel Time (hrs):**	
		Max. Well Depth (ft):	20		

ACTIVITIES:		**Frequency**	**Notes**
Gauging:	☑	Quarterly	
Purge/Sampling:	☑	Quarterly	
No Purge/Sample	☐		

RELATED ACTIVITIES		**Note**
Drums:	☑	
Other Activities:	☐	
Traffic Control:	☑	City of Alameda Checking on Permit

PERMIT INFORMATION:

Non-expiring permit #: EN-09-0013

NOTIFICATIONS:

Sam Koka, owner, SK Auto: 510-865-7631

SITE INFORMATION:

Coordinated event with Shell at 1601 Webster Street (Semi 1/3)

Gauge, purge and sampling order: MW-1, MW-1AR, MW-1BR, MW-9, MW-10, MW-11, MW-7, MW-8, MW-3, MW-4, MW-5 & MW-6

Take post-purge field readings after each casing volume purged.

MW-5 is in the middle of the Wienerschnitzel drive thru driveway. Must have the well done before 7:00am.

MW-3 is in the planter.

TRC SOLUTIONS

TECHNICAL SERVICES REQUEST FORM

23-Jun-11

Site ID:	0843	**Project No.:**	183487.0035.1849 / 00TA01
Address	1629 Webster Street	**Client:**	Roya Kambin
City:	Alameda	**Contact #:**	925-790-6270
Cross Street:	Pacific Ave	**PM:**	Kathy Brandt Arcadis
		PM Contact #:	510-596-9675

LAB INFORMATION:

Global ID: T0600102263

Lab WO: 351849

Lab Used: BC

Lab Notes: Lab Analyses:
TPH-G by GC/MS, BTEX/MTBE/OXYS by 8260B, EDB/EDC by 8260B, Ethanol by 8260B [Containers: 3 voas w/HCl]
Specific Conductance by 120.1, DO by SM4500-O [Container: one 1L poly unpreserved]
ORP by ASTM D1948 [two 1L ambers unpreserved]

Additional analyses for wells MW-1, MW-1AR, MW-1BR, MW-7, MW-8, MW-9, MW-10, MW-11:
Sulfate by 300.0, Nitrate by 300.0, Dissolved Manganese by 200.8, Dissolved Vanadium by 200.8, Dissolved Chromium by 6010, Chromium VI by 7196 [no additional container needed]
Total Manganese by 200.8, Total Chromium by 6010, Total Vanadium by 200.8 [Container: one 1L poly w/HNO3]
Ferrous Iron by 3500FE+D [Container: one 500 mL poly w/HCl]
TOC by 415.1 [Containers: one 500mL amber w/H2SO4]

Additional analyses for wells MW-5 & MW-6:
Chromium VI by 7196, dissolved Chromium by 6010 [Container: one 1Pt poly unpreserved]
Total Chromium by 6010 [Container: one 1Pt poly w/HNO3]

TRC SOLUTIONS

TECHNICAL SERVICES REQUEST FORM

23-Jun-11

Site ID.: 0843
Address 1629 Webster Street
City: Alameda
Cross Street Pacific Ave

			Gauging				Sampling				Field Measurements			
Well IDs	Benz.	MTBE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Pre-Purge	Post-Purge	Type	**Comments**
MW-5	0	0	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	D.O, ORP	2" casing
MW-4	0	0	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	D.O, ORP	2" casing
MW-3	0	1	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	D.O, ORP	2" casing
MW-10	0	2.2	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	D.O, ORP	
MW-1AR	0	27	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	D.O, ORP	
MW-9	0	30	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	D.O, ORP	
MW-1BR	0	66	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	D.O, ORP	
MW-6	0	130	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	D.O, ORP	2" casing
MW-1	0	410	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	D.O, ORP	2" casing
MW-11	0	3000	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	D.O, ORP	
MW-8	0	6000	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	D.O, ORP	
MW-7	0	9900	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	D.O, ORP	

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: 08/22/2011

Kathy Brandt

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Project:	0843
BC Work Order:	1112564
Invoice ID:	B106095

Enclosed are the results of analyses for samples received by the laboratory on 8/4/2011. 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

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1I-12564

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: Kathy Brandt
Site Address: 1629 Webster St. Alameda, CA	Consultant Phone No.: 510 596-9675
Union Oil PM: Roya Kambin	Sampling Company: TRC
Union Oil PM Phone No.: 925 790 6270	Sampled By (PRINT): A. Vidners / J. Lewis
Charge Code: NWRTB-0 351849 -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

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

Special Instructions: Please preserve 9 L. Amburs with H2SO4 for TOC by 415.1

SAMPLE ID						ANALYSES REQUESTED												
Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	Chromium VI by 7196, Dissolved	Chromium VI by 7196, Total	TPH - G by GC/MS	BTEX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B	EDB by EPA 8260B / EDC by EPA 8260B	TOC by 415.1	Specific conductance by 120.1; DO by SM4500-O	ORP by ASTM D1498	Sulfate by 300.0, Nitrate by 300.0, Dissolved Manganese by 200.8	Dissolved Vanadium by 200.8, Dissolved Chromium by 6010, Total Chromium by 200.8	Manganese by 200.8, Total Chromium by 6010	Total Vanadium by 200.8	Ferrous Iron by 3500Fe+D	Notes / Comments
MW-9	W-S-A	-1	110804	0736	9		X	X	X	X		X	X	X	X	X	X	X	
MW-10	W-S-A	-2		0759	9							X			X	X	X	X	
MW-11	W-S-A	-3		0811	9							X			X	X	X	X	
MW-7	W-S-A	-4		0856	9							X			X	X	X	X	
MW-8	W-S-A	-5		0906	9							X			X	X	X	X	
MW-5	W-S-A	-6		0948	5~~4~~ 8	X													
MW-1	W-S-A	-7		0826	9							X			X	X	X	X	
MW-1AR	W-S-A	-8		0842	9							X			X	X	X	X	
MW-1BR	W-S-A	-9		0859	9							X			X	X	X	X	
MW-3	W-S-A	-10		0935	6														
MW-4	W-S-A	-11		1005	6														
MW-6	W-S-A	-12		0714	5~~4~~ 8	X													

Relinquished By	Company	Date / Time:
	TRC	1300 8/4/11
	BCL	8/4/11
R.Kambin	BCL	8.4.11 2130

Received By	Company	Date / Time:
P.BINS	BCL	8/4/11 1300
	BCL	8/4/11 [illegible]
R.Kambin	BCL	8.4.11 1730
Maya M.	BCL	8.4.11 2130

Chain of Custody and Cooler Receipt Form for 1112564 Page 2 of 5

BC LABORATORIES INC. — SAMPLE RECEIPT FORM — Rev. No. 12 06/24/08 — Page 1 Of 4

Submission #: 11-12564

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

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

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: QTA Thermometer ID: 163
Temperature: A 1.9 °C / C 1.6 °C
Date/Time 8-4-11 Analyst Init MM 2130

SAMPLE CONTAINERS	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS				C						
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										
40ml VOA VIAL	A 3	A 3	A 3	A 3	A 3	A 3				
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 625										
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	DEF	DEF	D	D	DEF					
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON				G						
ENCORE										

CHK BY — DISTRIBUTION — SUB-OUT ☐
SHORT HOLDING TIME
Cr^{6} NO_2 NO_3 OP SS
DO Cl_2 BOD MBAS COL

Comments:________
Sample Numbering Completed By: JNW Date/Time: 8/4/11 2338
A = Actual / C = Corrected
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Chain of Custody and Cooler Receipt Form for 1112564 Page 3 of 5

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 2 Of 4

Submission #: 11-125604

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

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

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: 0.98 Container: PTE Thermometer ID: 163

Temperature: A 4.2 °C / C 4.0 °C

Date/Time 8-4-11

Analyst Init MM 2130

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL	B	B	B	B	B	B C				
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS	C	C	C		C	D				
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	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
40ml VOA VIAL										
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			EF	E		EF				
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON	G	G	G	G JSW 8/4/11	G					
ENCORE										

Comments:
Sample Numbering Completed By: JSW Date/Time: 8/4/11 2338
A = Actual / C = Corrected

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Chain of Custody and Cooler Receipt Form for 1112564 Page 4 of 5

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 3 Of 4

Submission #: 11-12564

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

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

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: 0.98 Container: PPL Thermometer ID: 163

Temperature: A 1.5 °C / C 1.3 °C

Date/Time 8-4-11

Analyst Init MM 2130

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL		B					B			B
PT PE UNPRESERVED		C								
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS		D					C			
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										
40ml VOA VIAL	A3	A3	( )	( )	( )	( )	A3	( )	( )	( )
QT EPA 413.1, 413.2, 418.1	JNW 8/4/11									
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	CD	EF					DEF			
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE							JNW FG 8/4/11			

Comments:

Sample Numbering Completed By: JNW Date/Time: 8/4/11 2338

A = Actual / C = Corrected

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Chain of Custody and Cooler Receipt Form for 1112564 Page 5 of 5

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 4 Of 4

Submission #: 11-125604

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

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

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: 0.98 Container: QTPE Thermometer ID: 163 Date/Time 8-4-11

Temperature: A 2.6 °C / C 2.4 °C Analyst Init MM 2130

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL	B							B	B	
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS								C	C	
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
1oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	AB							AB	AB	AB
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				F				DEF	DEF	CD
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG								G	G	
FERROUS IRON										
ENCORE										

Comments:
Sample Numbering Completed By: JDW Date/Time: 8/4/11 2338
A = Actual / C = Corrected

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Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1112564-01	**COC Number:**	---	**Receive Date:** 08/04/2011 21:30
	Project Number:	0843	**Sampling Date:** 08/04/2011 07:36
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-9-W-110804	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Groundwater
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600102263
			Location ID (FieldPoint): MW-9
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1112564-02	**COC Number:**	---	**Receive Date:** 08/04/2011 21:30
	Project Number:	0843	**Sampling Date:** 08/04/2011 07:59
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-10-W-110804	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Groundwater
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600102263
			Location ID (FieldPoint): MW-10
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1112564-03	**COC Number:**	---	**Receive Date:** 08/04/2011 21:30
	Project Number:	0843	**Sampling Date:** 08/04/2011 08:11
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-11-W-110804	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Groundwater
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600102263
			Location ID (FieldPoint): MW-11
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1112564-04	**COC Number:**	---	**Receive Date:** 08/04/2011 21:30
	Project Number:	0843	**Sampling Date:** 08/04/2011 08:56
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-7-W-110804	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Groundwater
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600102263
			Location ID (FieldPoint): MW-7
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1112564-05	**COC Number:**	---	**Receive Date:** 08/04/2011 21:30
	Project Number:	0843	**Sampling Date:** 08/04/2011 09:06
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-8-W-110804	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Groundwater
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600102263
			Location ID (FieldPoint): MW-8
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1112564-06	**COC Number:**	---	**Receive Date:** 08/04/2011 21:30
	Project Number:	0843	**Sampling Date:** 08/04/2011 09:48
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-5-W-110804	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Groundwater
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600102263
			Location ID (FieldPoint): MW-5
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1112564-07	**COC Number:**	---	**Receive Date:** 08/04/2011 21:30
	Project Number:	0843	**Sampling Date:** 08/04/2011 08:26
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-1-W-110804	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Groundwater
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600102263
			Location ID (FieldPoint): MW-1
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1112564-08	**COC Number:**	---	**Receive Date:** 08/04/2011 21:30
	Project Number:	0843	**Sampling Date:** 08/04/2011 08:42
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-1AR-W-110804	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Groundwater
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600102263
			Location ID (FieldPoint): MW-1AR
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1112564-09	**COC Number:**	---	**Receive Date:** 08/04/2011 21:30
	Project Number:	0843	**Sampling Date:** 08/04/2011 08:59
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-1BR-W-110804	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Groundwater
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600102263
			Location ID (FieldPoint): MW-1BR
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1112564-10	**COC Number:**	---	**Receive Date:** 08/04/2011 21:30
	Project Number:	0843	**Sampling Date:** 08/04/2011 09:35
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-3-W-110804	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Groundwater
			Delivery Work Order:
			Global ID: T0600102263
			Location ID (FieldPoint): MW-3
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1112564-11	**COC Number:**	---	**Receive Date:** 08/04/2011 21:30
	Project Number:	0843	**Sampling Date:** 08/04/2011 10:05
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-4-W-110804	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Groundwater
			Delivery Work Order:
			Global ID: T0600102263
			Location ID (FieldPoint): MW-4
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1112564-12	**COC Number:**	---	**Receive Date:** 08/04/2011 21:30
	Project Number:	0843	**Sampling Date:** 08/04/2011 07:14
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-6-W-110804	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Groundwater
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600102263
			Location ID (FieldPoint): MW-6
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1112564-01 | **Client Sample Name:** 0843, MW-9-W-110804, 8/4/2011 7:36:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**59**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**62**	**ug/L**	**50**	**Luft-GC/MS**	ND	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	105	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	95.5	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	95.4	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/05/11	08/06/11 02:38	JMC	MS-V12	1	BUH0430

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1112564-01 | **Client Sample Name:** 0843, MW-9-W-110804, 8/4/2011 7:36:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as NO3	**15**	**mg/L**	**0.44**	**EPA-300.0**	ND		1
Sulfate	**45**	**mg/L**	**1.0**	**EPA-300.0**	ND		1
Electrical Conductivity @ 25 C	**629**	**umhos/cm**	**1.00**	**EPA-120.1**			2
Iron (II) Species	**280**	**ug/L**	**100**	**SM-3500-FeD**	ND		3
Non-Volatile Organic Carbon	**2.3**	**mg/L**	**0.30**	**EPA-415.1**	ND		4
Dissolved Oxygen	**7.8**	**mg O/L**	**0.50**	**SM-4500OG**		**S05**	5
Oxidation Reduction Potential (Eobs_Ag/AgCl)	**333.4**	**mV**	**-1000**	**ASTM-D1498**			6

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	08/05/11	08/05/11 12:30	LD1	IC1	1	BUH0461
2	EPA-120.1	08/05/11	08/05/11 21:48	RML	MET-1	1	BUH0480
3	SM-3500-FeD	08/04/11	08/04/11 23:15	MRM2	SPEC05	1	BUH0490
4	EPA-415.1	08/09/11	08/10/11 00:42	CDR	TOC2	1	BUH0454
5	SM-4500OG	08/05/11	08/05/11 07:20	HPR	YSI-57	1	BUH0409
6	ASTM-D1498	08/05/11	08/05/11 08:54	RML	MET-1	1	BUH0482

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Water Analysis (Metals)

BCL Sample ID: 1112564-01 | **Client Sample Name:** 0843, MW-9-W-110804, 8/4/2011 7:36:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Hexavalent Chromium	**5.2**	**ug/L**	**2.0**	**EPA-7196**	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		2
Dissolved Manganese	**45**	**ug/L**	**1.0**	**EPA-200.8**	ND		3
Dissolved Vanadium	ND	ug/L	3.0	EPA-200.8	ND		3
Total Chromium	**56**	**ug/L**	**10**	**EPA-6010B**	ND		4
Total Recoverable Manganese	**660**	**ug/L**	**1.0**	**EPA-200.8**	ND		5
Total Recoverable Vanadium	**27**	**ug/L**	**3.0**	**EPA-200.8**	ND		5

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-7196	08/05/11	08/05/11 03:02	LRS	KONE-1	1	BUH0415
2	EPA-6010B	08/05/11	08/08/11 20:28	ARD	PE-OP1	1	BUH0435
3	EPA-200.8	08/05/11	08/17/11 22:32	PPS	PE-EL1	1	BUH1228
4	EPA-6010B	08/10/11	08/11/11 11:01	ARD	PE-OP1	1	BUH0687
5	EPA-200.8	08/10/11	08/16/11 21:33	PPS	PE-EL1	1	BUH0711

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1112564-02 | **Client Sample Name:** 0843, MW-10-W-110804, 8/4/2011 7:59:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**7.4**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	97.5	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	96.7	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/05/11	08/06/11 02:19	JMC	MS-V12	1	BUH0430

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1112564-02 | **Client Sample Name:** 0843, MW-10-W-110804, 8/4/2011 7:59:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as NO3	**21**	**mg/L**	**0.44**	**EPA-300.0**	ND		1
Sulfate	**32**	**mg/L**	**1.0**	**EPA-300.0**	ND		1
Electrical Conductivity @ 25 C	**450**	**umhos/cm**	**1.00**	**EPA-120.1**			2
Iron (II) Species	**390**	**ug/L**	**100**	**SM-3500-FeD**	ND		3
Non-Volatile Organic Carbon	**1.7**	**mg/L**	**0.30**	**EPA-415.1**	ND		4
Dissolved Oxygen	**7.0**	**mg O/L**	**0.50**	**SM-4500OG**		**S05**	5
Oxidation Reduction Potential (Eobs_Ag/AgCl)	**282.4**	**mV**	**-1000**	**ASTM-D1498**			6

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	08/05/11	08/05/11 13:24	LD1	IC1	1	BUH0461
2	EPA-120.1	08/05/11	08/05/11 21:54	RML	MET-1	1	BUH0480
3	SM-3500-FeD	08/04/11	08/04/11 23:15	MRM2	SPEC05	1	BUH0490
4	EPA-415.1	08/09/11	08/10/11 00:55	CDR	TOC2	1	BUH0454
5	SM-4500OG	08/05/11	08/05/11 07:20	HPR	YSI-57	1	BUH0409
6	ASTM-D1498	08/05/11	08/05/11 09:01	RML	MET-1	1	BUH0482

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Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Water Analysis (Metals)

BCL Sample ID: 1112564-02 | **Client Sample Name:** 0843, MW-10-W-110804, 8/4/2011 7:59:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Hexavalent Chromium	**6.7**	**ug/L**	**2.0**	**EPA-7196**	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		2
Dissolved Manganese	**13**	**ug/L**	**1.0**	**EPA-200.8**	ND		3
Dissolved Vanadium	ND	ug/L	3.0	EPA-200.8	ND		3
Total Chromium	**19**	**ug/L**	**10**	**EPA-6010B**	ND		4
Total Recoverable Manganese	**150**	**ug/L**	**1.0**	**EPA-200.8**	ND		5
Total Recoverable Vanadium	**6.3**	**ug/L**	**3.0**	**EPA-200.8**	ND		5

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-7196	08/05/11	08/05/11 03:02	LRS	KONE-1	1	BUH0415
2	EPA-6010B	08/05/11	08/08/11 20:30	ARD	PE-OP1	1	BUH0435
3	EPA-200.8	08/05/11	08/17/11 22:35	PPS	PE-EL1	1	BUH1228
4	EPA-6010B	08/10/11	08/11/11 11:03	ARD	PE-OP1	1	BUH0687
5	EPA-200.8	08/10/11	08/16/11 21:36	PPS	PE-EL1	1	BUH0711

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

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1112564-03 | **Client Sample Name:** 0843, MW-11-W-110804, 8/4/2011 8:11:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**2000**	**ug/L**	**12**	**EPA-8260**	ND	**A01**	2
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	**2.4**	**ug/L**	**0.50**	**EPA-8260**	ND		1
t-Butyl alcohol	**110**	**ug/L**	**10**	**EPA-8260**	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**1400**	**ug/L**	**50**	**Luft-GC/MS**	ND	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	95.7	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	102	%	88 - 110 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	97.6	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	99.3	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/05/11	08/06/11 01:59	JMC	MS-V12	1	BUH0430
2	EPA-8260	08/05/11	08/09/11 14:15	JMC	MS-V12	25	BUH0430

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

Water Analysis (General Chemistry)

BCL Sample ID: 1112564-03 | **Client Sample Name:** 0843, MW-11-W-110804, 8/4/2011 8:11:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as NO3	**9.8**	**mg/L**	**0.44**	**EPA-300.0**	ND		1
Sulfate	**27**	**mg/L**	**1.0**	**EPA-300.0**	ND		1
Electrical Conductivity @ 25 C	**685**	**umhos/cm**	**1.00**	**EPA-120.1**			2
Iron (II) Species	**210**	**ug/L**	**100**	**SM-3500-FeD**	ND		3
Non-Volatile Organic Carbon	**3.1**	**mg/L**	**0.30**	**EPA-415.1**	ND		4
Dissolved Oxygen	**8.0**	**mg O/L**	**0.50**	**SM-4500OG**		**S05**	5
Oxidation Reduction Potential (Eobs_Ag/AgCl)	**518.6**	**mV**	**-1000**	**ASTM-D1498**			6

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	08/05/11	08/05/11 13:38	LD1	IC1	1	BUH0461
2	EPA-120.1	08/05/11	08/05/11 22:00	RML	MET-1	1	BUH0480
3	SM-3500-FeD	08/04/11	08/04/11 23:15	MRM2	SPEC05	1	BUH0490
4	EPA-415.1	08/09/11	08/10/11 01:08	CDR	TOC2	1	BUH0454
5	SM-4500OG	08/05/11	08/05/11 07:20	HPR	YSI-57	1	BUH0409
6	ASTM-D1498	08/05/11	08/05/11 09:13	RML	MET-1	1	BUH0482

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Project Number: 351849
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Water Analysis (Metals)

BCL Sample ID: 1112564-03 | **Client Sample Name:** 0843, MW-11-W-110804, 8/4/2011 8:11:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		2
Dissolved Manganese	**250**	**ug/L**	**1.0**	**EPA-200.8**	ND		3
Dissolved Vanadium	ND	ug/L	3.0	EPA-200.8	ND		3
Total Chromium	ND	ug/L	10	EPA-6010B	ND		4
Total Recoverable Manganese	**980**	**ug/L**	**1.0**	**EPA-200.8**	ND		5
Total Recoverable Vanadium	**3.6**	**ug/L**	**3.0**	**EPA-200.8**	ND		5

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-7196	08/05/11	08/05/11 03:02	LRS	KONE-1	1	BUH0415
2	EPA-6010B	08/05/11	08/08/11 20:33	ARD	PE-OP1	1	BUH0435
3	EPA-200.8	08/05/11	08/17/11 22:38	PPS	PE-EL1	1	BUH1228
4	EPA-6010B	08/10/11	08/11/11 11:05	ARD	PE-OP1	1	BUH0687
5	EPA-200.8	08/10/11	08/16/11 21:39	PPS	PE-EL1	1	BUH0711

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

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1112564-04 | **Client Sample Name:** 0843, MW-7-W-110804, 8/4/2011 8:56:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**6300**	**ug/L**	**50**	**EPA-8260**	ND	**A01**	2
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	**6.7**	**ug/L**	**0.50**	**EPA-8260**	ND		1
t-Butyl alcohol	**2200**	**ug/L**	**10**	**EPA-8260**	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**2300**	**ug/L**	**50**	**Luft-GC/MS**	ND	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	95.3	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	98.6	%	88 - 110 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	94.3	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	97.6	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/05/11	08/06/11 01:40	JMC	MS-V12	1	BUH0430
2	EPA-8260	08/05/11	08/09/11 13:56	JMC	MS-V12	100	BUH0430

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

Water Analysis (General Chemistry)

BCL Sample ID: 1112564-04 | **Client Sample Name:** 0843, MW-7-W-110804, 8/4/2011 8:56:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as NO3	**4.0**	**mg/L**	**0.44**	**EPA-300.0**	ND		1
Sulfate	**48**	**mg/L**	**1.0**	**EPA-300.0**	ND		1
Electrical Conductivity @ 25 C	**635**	**umhos/cm**	**1.00**	**EPA-120.1**			2
Iron (II) Species	**3400**	**ug/L**	**100**	**SM-3500-FeD**	ND		3
Non-Volatile Organic Carbon	**4.0**	**mg/L**	**0.30**	**EPA-415.1**	ND		4
Dissolved Oxygen	**7.8**	**mg O/L**	**0.50**	**SM-4500OG**		**S05**	5
Oxidation Reduction Potential (Eobs_Ag/AgCl)	**4.840**	**mV**	**-1000**	**ASTM-D1498**			6

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	08/05/11	08/05/11 13:52	LD1	IC1	1	BUH0461
2	EPA-120.1	08/05/11	08/05/11 22:06	RML	MET-1	1	BUH0480
3	SM-3500-FeD	08/04/11	08/04/11 23:15	MRM2	SPEC05	1	BUH0490
4	EPA-415.1	08/09/11	08/10/11 01:48	CDR	TOC2	1	BUH0455
5	SM-4500OG	08/05/11	08/05/11 07:20	HPR	YSI-57	1	BUH0409
6	ASTM-D1498	08/05/11	08/05/11 09:18	RML	MET-1	1	BUH0482

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

Water Analysis (Metals)

BCL Sample ID: 1112564-04 | **Client Sample Name:** 0843, MW-7-W-110804, 8/4/2011 8:56:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		2
Dissolved Manganese	**680**	**ug/L**	**1.0**	**EPA-200.8**	ND		3
Dissolved Vanadium	ND	ug/L	3.0	EPA-200.8	ND		3
Total Chromium	**58**	**ug/L**	**10**	**EPA-6010B**	ND		4
Total Recoverable Manganese	**880**	**ug/L**	**1.0**	**EPA-200.8**	ND		5
Total Recoverable Vanadium	**36**	**ug/L**	**3.0**	**EPA-200.8**	ND		5

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-7196	08/05/11	08/05/11 03:02	LRS	KONE-1	1	BUH0415
2	EPA-6010B	08/05/11	08/08/11 20:35	ARD	PE-OP1	1	BUH0435
3	EPA-200.8	08/05/11	08/17/11 22:47	PPS	PE-EL1	1	BUH1228
4	EPA-6010B	08/10/11	08/11/11 11:08	ARD	PE-OP1	1	BUH0687
5	EPA-200.8	08/11/11	08/16/11 18:13	PPS	PE-EL1	1	BUH0826

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Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1112564-05 | **Client Sample Name:** 0843, MW-8-W-110804, 8/4/2011 9:06:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**4400**	**ug/L**	**25**	**EPA-8260**	ND	**A01**	2
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	**4.9**	**ug/L**	**0.50**	**EPA-8260**	ND		1
t-Butyl alcohol	**370**	**ug/L**	**10**	**EPA-8260**	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**2000**	**ug/L**	**50**	**Luft-GC/MS**	ND	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	97.9	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	99.5	%	88 - 110 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	94.8	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	98.9	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/05/11	08/06/11 01:21	JMC	MS-V12	1	BUH0339
2	EPA-8260	08/05/11	08/08/11 16:06	JMC	MS-V12	50	BUH0339

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Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1112564-05 | **Client Sample Name:** 0843, MW-8-W-110804, 8/4/2011 9:06:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as NO3	**5.3**	**mg/L**	**0.44**	**EPA-300.0**	ND		1
Sulfate	**48**	**mg/L**	**1.0**	**EPA-300.0**	ND		1
Electrical Conductivity @ 25 C	**599**	**umhos/cm**	**1.00**	**EPA-120.1**			2
Iron (II) Species	**390**	**ug/L**	**100**	**SM-3500-FeD**	ND		3
Non-Volatile Organic Carbon	**3.1**	**mg/L**	**0.30**	**EPA-415.1**	ND		4
Dissolved Oxygen	**7.9**	**mg O/L**	**0.50**	**SM-4500OG**		**S05**	5
Oxidation Reduction Potential (Eobs_Ag/AgCl)	**239.7**	**mV**	**-1000**	**ASTM-D1498**			6

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	08/05/11	08/05/11 14:05	LD1	IC1	1	BUH0461
2	EPA-120.1	08/05/11	08/05/11 22:12	RML	MET-1	1	BUH0480
3	SM-3500-FeD	08/04/11	08/04/11 23:15	MRM2	SPEC05	1	BUH0490
4	EPA-415.1	08/09/11	08/10/11 03:09	CDR	TOC2	1	BUH0455
5	SM-4500OG	08/05/11	08/05/11 07:20	HPR	YSI-57	1	BUH0409
6	ASTM-D1498	08/05/11	08/05/11 09:31	RML	MET-1	1	BUH0482

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

Water Analysis (Metals)

BCL Sample ID: 1112564-05 | **Client Sample Name:** 0843, MW-8-W-110804, 8/4/2011 9:06:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		2
Dissolved Manganese	**760**	**ug/L**	**1.0**	**EPA-200.8**	ND		3
Dissolved Vanadium	ND	ug/L	3.0	EPA-200.8	ND		3
Total Chromium	**28**	**ug/L**	**10**	**EPA-6010B**	ND		4
Total Recoverable Manganese	**1000**	**ug/L**	**1.0**	**EPA-200.8**	ND		5
Total Recoverable Vanadium	**13**	**ug/L**	**3.0**	**EPA-200.8**	ND		5

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-7196	08/05/11	08/05/11 03:02	LRS	KONE-1	1	BUH0415
2	EPA-6010B	08/05/11	08/08/11 20:37	ARD	PE-OP1	1	BUH0435
3	EPA-200.8	08/05/11	08/17/11 22:50	PPS	PE-EL1	1	BUH1228
4	EPA-6010B	08/10/11	08/11/11 11:10	ARD	PE-OP1	1	BUH0687
5	EPA-200.8	08/11/11	08/16/11 18:15	PPS	PE-EL1	1	BUH0826

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Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1112564-06 | **Client Sample Name:** 0843, MW-5-W-110804, 8/4/2011 9:48:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	107	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	93.3	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/05/11	08/06/11 01:02	JMC	MS-V12	1	BUH0339

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Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1112564-06 | **Client Sample Name:** 0843, MW-5-W-110804, 8/4/2011 9:48:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Electrical Conductivity @ 25 C	**582**	**umhos/cm**	**1.00**	**EPA-120.1**			1
Dissolved Oxygen	**7.1**	**mg O/L**	**0.50**	**SM-4500OG**		**S05**	2
Oxidation Reduction Potential (Eobs_Ag/AgCl)	**282.0**	**mV**	**-1000**	**ASTM-D1498**			3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-120.1	08/05/11	08/05/11 22:19	RML	MET-1	1	BUH0480
2	SM-4500OG	08/05/11	08/05/11 07:20	HPR	YSI-57	1	BUH0409
3	ASTM-D1498	08/05/11	08/05/11 09:35	RML	MET-1	1	BUH0482

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

Water Analysis (Metals)

BCL Sample ID: 1112564-06 | **Client Sample Name:** 0843, MW-5-W-110804, 8/4/2011 9:48:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		2
Total Chromium	**120**	**ug/L**	**10**	**EPA-6010B**	ND		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-7196	08/05/11	08/05/11 03:08	LRS	KONE-1	1	BUH0415
2	EPA-6010B	08/05/11	08/08/11 20:39	ARD	PE-OP1	1	BUH0435
3	EPA-6010B	08/10/11	08/11/11 11:16	ARD	PE-OP1	1	BUH0687

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Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1112564-07 | **Client Sample Name:** 0843, MW-1-W-110804, 8/4/2011 8:26:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**420**	**ug/L**	**5.0**	**EPA-8260**	ND	**A01**	2
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	**13**	**ug/L**	**10**	**EPA-8260**	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**310**	**ug/L**	**50**	**Luft-GC/MS**	ND	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	107	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	94.0	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	99.2	%	88 - 110 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	99.7	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	98.4	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/05/11	08/06/11 00:43	JMC	MS-V12	1	BUH0339
2	EPA-8260	08/05/11	08/08/11 15:46	JMC	MS-V12	10	BUH0339

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

Water Analysis (General Chemistry)

BCL Sample ID: 1112564-07 | **Client Sample Name:** 0843, MW-1-W-110804, 8/4/2011 8:26:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as NO3	**24**	**mg/L**	**0.44**	**EPA-300.0**	ND		1
Sulfate	**30**	**mg/L**	**1.0**	**EPA-300.0**	ND		1
Electrical Conductivity @ 25 C	**438**	**umhos/cm**	**1.00**	**EPA-120.1**			2
Iron (II) Species	**300**	**ug/L**	**100**	**SM-3500-FeD**	ND		3
Non-Volatile Organic Carbon	**1.5**	**mg/L**	**0.30**	**EPA-415.1**	ND		4
Dissolved Oxygen	**8.8**	**mg O/L**	**0.50**	**SM-4500OG**		**S05**	5
Oxidation Reduction Potential (Eobs_Ag/AgCl)	**297.8**	**mV**	**-1000**	**ASTM-D1498**			6

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	08/05/11	08/05/11 14:46	LRS	IC1	1	BUH0461
2	EPA-120.1	08/05/11	08/05/11 22:25	RML	MET-1	1	BUH0480
3	SM-3500-FeD	08/04/11	08/04/11 23:15	MRM2	SPEC05	1	BUH0490
4	EPA-415.1	08/09/11	08/10/11 03:22	CDR	TOC2	1	BUH0455
5	SM-4500OG	08/05/11	08/05/11 07:20	HPR	YSI-57	1	BUH0409
6	ASTM-D1498	08/05/11	08/05/11 09:39	RML	MET-1	1	BUH0482

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

Water Analysis (Metals)

BCL Sample ID: 1112564-07 | **Client Sample Name:** 0843, MW-1-W-110804, 8/4/2011 8:26:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		2
Dissolved Manganese	**2.3**	**ug/L**	**1.0**	**EPA-200.8**	ND		3
Dissolved Vanadium	ND	ug/L	3.0	EPA-200.8	ND		3
Total Chromium	**99**	**ug/L**	**10**	**EPA-6010B**	ND		4
Total Recoverable Manganese	**830**	**ug/L**	**1.0**	**EPA-200.8**	ND		5
Total Recoverable Vanadium	**63**	**ug/L**	**3.0**	**EPA-200.8**	ND		5

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-7196	08/05/11	08/05/11 03:08	LRS	KONE-1	1	BUH0415
2	EPA-6010B	08/05/11	08/08/11 20:48	ARD	PE-OP1	1	BUH0435
3	EPA-200.8	08/05/11	08/17/11 22:53	PPS	PE-EL1	1	BUH1228
4	EPA-6010B	08/10/11	08/11/11 11:18	ARD	PE-OP1	1	BUH0687
5	EPA-200.8	08/11/11	08/16/11 18:18	PPS	PE-EL1	1	BUH0826

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Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1112564-08 | **Client Sample Name:** 0843, MW-1AR-W-110804, 8/4/2011 8:42:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**16**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	97.2	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	93.9	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/05/11	08/06/11 00:23	JMC	MS-V12	1	BUH0339

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Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1112564-08 | **Client Sample Name:** 0843, MW-1AR-W-110804, 8/4/2011 8:42:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as NO3	**21**	**mg/L**	**0.44**	**EPA-300.0**	ND		1
Sulfate	**28**	**mg/L**	**1.0**	**EPA-300.0**	ND		1
Electrical Conductivity @ 25 C	**371**	**umhos/cm**	**1.00**	**EPA-120.1**			2
Iron (II) Species	**160**	**ug/L**	**100**	**SM-3500-FeD**	ND		3
Non-Volatile Organic Carbon	**1.5**	**mg/L**	**0.30**	**EPA-415.1**	ND		4
Dissolved Oxygen	**8.3**	**mg O/L**	**0.50**	**SM-4500OG**		**S05**	5
Oxidation Reduction Potential (Eobs_Ag/AgCl)	**305.3**	**mV**	**-1000**	**ASTM-D1498**			6

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	08/05/11	08/05/11 14:59	LRS	IC1	1	BUH0461
2	EPA-120.1	08/05/11	08/05/11 22:47	RML	MET-1	1	BUH0481
3	SM-3500-FeD	08/04/11	08/04/11 23:15	MRM2	SPEC05	1	BUH0490
4	EPA-415.1	08/09/11	08/10/11 03:36	CDR	TOC2	1	BUH0455
5	SM-4500OG	08/05/11	08/05/11 07:20	HPR	YSI-57	1	BUH0409
6	ASTM-D1498	08/05/11	08/05/11 09:43	RML	MET-1	1	BUH0482

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

Water Analysis (Metals)

BCL Sample ID: 1112564-08 | **Client Sample Name:** 0843, MW-1AR-W-110804, 8/4/2011 8:42:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		2
Dissolved Manganese	**94**	**ug/L**	**1.0**	**EPA-200.8**	ND		3
Dissolved Vanadium	ND	ug/L	3.0	EPA-200.8	ND		3
Total Chromium	**15**	**ug/L**	**10**	**EPA-6010B**	ND		4
Total Recoverable Manganese	**250**	**ug/L**	**1.0**	**EPA-200.8**	ND		5
Total Recoverable Vanadium	**9.1**	**ug/L**	**3.0**	**EPA-200.8**	ND		5

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-7196	08/05/11	08/05/11 03:08	LRS	KONE-1	1	BUH0415
2	EPA-6010B	08/05/11	08/08/11 20:50	ARD	PE-OP1	1	BUH0435
3	EPA-200.8	08/05/11	08/17/11 22:56	PPS	PE-EL1	1	BUH1228
4	EPA-6010B	08/10/11	08/11/11 11:21	ARD	PE-OP1	1	BUH0687
5	EPA-200.8	08/11/11	08/16/11 18:21	PPS	PE-EL1	1	BUH0826

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Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1112564-09 | **Client Sample Name:** 0843, MW-1BR-W-110804, 8/4/2011 8:59:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**60**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**59**	**ug/L**	**50**	**Luft-GC/MS**	ND	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	97.9	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	96.2	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/05/11	08/06/11 00:04	JMC	MS-V12	1	BUH0339

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Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1112564-09 | **Client Sample Name:** 0843, MW-1BR-W-110804, 8/4/2011 8:59:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as NO3	**28**	**mg/L**	**0.44**	**EPA-300.0**	ND		1
Sulfate	**27**	**mg/L**	**1.0**	**EPA-300.0**	ND		1
Electrical Conductivity @ 25 C	**437**	**umhos/cm**	**1.00**	**EPA-120.1**			2
Iron (II) Species	**170**	**ug/L**	**100**	**SM-3500-FeD**	ND		3
Non-Volatile Organic Carbon	**1.3**	**mg/L**	**0.30**	**EPA-415.1**	ND		4
Dissolved Oxygen	**9.4**	**mg O/L**	**0.50**	**SM-4500OG**		**S05**	5
Oxidation Reduction Potential (Eobs_Ag/AgCl)	**310.9**	**mV**	**-1000**	**ASTM-D1498**			6

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	08/05/11	08/05/11 15:13	LRS	IC1	1	BUH0461
2	EPA-120.1	08/05/11	08/05/11 22:59	RML	MET-1	1	BUH0481
3	SM-3500-FeD	08/04/11	08/04/11 23:15	MRM2	SPEC05	1	BUH0490
4	EPA-415.1	08/09/11	08/10/11 03:49	CDR	TOC2	1	BUH0455
5	SM-4500OG	08/05/11	08/05/11 07:20	HPR	YSI-57	1	BUH0409
6	ASTM-D1498	08/05/11	08/05/11 09:47	RML	MET-1	1	BUH0482

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Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Water Analysis (Metals)

BCL Sample ID: 1112564-09 | **Client Sample Name:** 0843, MW-1BR-W-110804, 8/4/2011 8:59:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		2
Dissolved Manganese	**98**	**ug/L**	**1.0**	**EPA-200.8**	ND		3
Dissolved Vanadium	ND	ug/L	3.0	EPA-200.8	ND		3
Total Chromium	**13**	**ug/L**	**10**	**EPA-6010B**	ND		4
Total Recoverable Manganese	**170**	**ug/L**	**1.0**	**EPA-200.8**	ND		5
Total Recoverable Vanadium	**7.4**	**ug/L**	**3.0**	**EPA-200.8**	ND		5

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-7196	08/05/11	08/05/11 03:08	LRS	KONE-1	1	BUH0415
2	EPA-6010B	08/05/11	08/08/11 20:52	ARD	PE-OP1	1	BUH0435
3	EPA-200.8	08/05/11	08/17/11 22:58	PPS	PE-EL1	1	BUH1228
4	EPA-6010B	08/10/11	08/11/11 11:23	ARD	PE-OP1	1	BUH0687
5	EPA-200.8	08/11/11	08/16/11 18:24	PPS	PE-EL1	1	BUH0826

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Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1112564-10 | **Client Sample Name:** 0843, MW-3-W-110804, 8/4/2011 9:35:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**0.55**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	95.4	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	97.3	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/05/11	08/05/11 20:13	JMC	MS-V12	1	BUH0339

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Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1112564-10 | **Client Sample Name:** 0843, MW-3-W-110804, 8/4/2011 9:35:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Electrical Conductivity @ 25 C	**614**	**umhos/cm**	**1.00**	**EPA-120.1**			1
Dissolved Oxygen	**6.1**	**mg O/L**	**0.50**	**SM-4500OG**		**S05**	2
Oxidation Reduction Potential (Eobs_Ag/AgCl)	**312.8**	**mV**	**-1000**	**ASTM-D1498**			3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-120.1	08/05/11	08/05/11 23:05	RML	MET-1	1	BUH0481
2	SM-4500OG	08/05/11	08/05/11 07:20	HPR	YSI-57	1	BUH0409
3	ASTM-D1498	08/05/11	08/05/11 09:51	RML	MET-1	1	BUH0482

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Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1112564-11 | **Client Sample Name:** 0843, MW-4-W-110804, 8/4/2011 10:05:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	89.9	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	99.8	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/05/11	08/05/11 19:54	JMC	MS-V12	1	BUH0339

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Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1112564-11 | **Client Sample Name:** 0843, MW-4-W-110804, 8/4/2011 10:05:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Electrical Conductivity @ 25 C	**1080**	**umhos/cm**	**1.00**	**EPA-120.1**			1
Dissolved Oxygen	**9.7**	**mg O/L**	**0.50**	**SM-4500OG**		**S05**	2
Oxidation Reduction Potential (Eobs_Ag/AgCl)	**311.5**	**mV**	**-1000**	**ASTM-D1498**			3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-120.1	08/05/11	08/05/11 23:11	RML	MET-1	1	BUH0481
2	SM-4500OG	08/05/11	08/05/11 07:20	HPR	YSI-57	1	BUH0410
3	ASTM-D1498	08/05/11	08/05/11 09:59	RML	MET-1	1	BUH0483

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Project Number: 351849
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1112564-12 | **Client Sample Name:** 0843, MW-6-W-110804, 8/4/2011 7:14:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**80**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**75**	**ug/L**	**50**	**Luft-GC/MS**	ND	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	95.1	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	97.4	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/05/11	08/05/11 19:35	JMC	MS-V12	1	BUH0339

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Water Analysis (General Chemistry)

BCL Sample ID: 1112564-12 | **Client Sample Name:** 0843, MW-6-W-110804, 8/4/2011 7:14:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Electrical Conductivity @ 25 C	**484**	**umhos/cm**	**1.00**	**EPA-120.1**			1
Dissolved Oxygen	**6.9**	**mg O/L**	**0.50**	**SM-4500OG**		**S05**	2
Oxidation Reduction Potential (Eobs_Ag/AgCl)	**316.9**	**mV**	**-1000**	**ASTM-D1498**			3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-120.1	08/05/11	08/05/11 23:16	RML	MET-1	1	BUH0481
2	SM-4500OG	08/05/11	08/05/11 07:20	HPR	YSI-57	1	BUH0410
3	ASTM-D1498	08/05/11	08/05/11 10:07	RML	MET-1	1	BUH0483

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

Water Analysis (Metals)

BCL Sample ID: 1112564-12 | **Client Sample Name:** 0843, MW-6-W-110804, 8/4/2011 7:14:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND	S05	1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		2
Total Chromium	**82**	**ug/L**	**10**	**EPA-6010B**	ND		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-7196	08/05/11	08/05/11 10:47	TDC	KONE-1	1	BUH0419
2	EPA-6010B	08/05/11	08/08/11 20:54	ARD	PE-OP1	1	BUH0435
3	EPA-6010B	08/10/11	08/11/11 11:25	ARD	PE-OP1	1	BUH0687

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Project: 0843
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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUH0339						
Benzene	BUH0339-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BUH0339-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BUH0339-BLK1	ND	ug/L	0.50		
Ethylbenzene	BUH0339-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BUH0339-BLK1	ND	ug/L	0.50		
Toluene	BUH0339-BLK1	ND	ug/L	0.50		
Total Xylenes	BUH0339-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BUH0339-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BUH0339-BLK1	ND	ug/L	10		
Diisopropyl ether	BUH0339-BLK1	ND	ug/L	0.50		
Ethanol	BUH0339-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BUH0339-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BUH0339-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BUH0339-BLK1	104	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BUH0339-BLK1	99.2	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BUH0339-BLK1	103	%	86 - 115 (LCL - UCL)		
QC Batch ID: BUH0430						
Benzene	BUH0430-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BUH0430-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BUH0430-BLK1	ND	ug/L	0.50		
Ethylbenzene	BUH0430-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BUH0430-BLK1	ND	ug/L	0.50		
Toluene	BUH0430-BLK1	ND	ug/L	0.50		
Total Xylenes	BUH0430-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BUH0430-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BUH0430-BLK1	ND	ug/L	10		
Diisopropyl ether	BUH0430-BLK1	ND	ug/L	0.50		
Ethanol	BUH0430-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BUH0430-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BUH0430-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BUH0430-BLK1	104	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BUH0430-BLK1	97.5	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BUH0430-BLK1	101	%	86 - 115 (LCL - UCL)		

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Volatile Organic Analysis (EPA Method 8260)

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: BUH0339										
Benzene	BUH0339-BS1	LCS	24.810	25.000	ug/L	99.2		70 - 130		
Toluene	BUH0339-BS1	LCS	27.320	25.000	ug/L	109		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BUH0339-BS1	LCS	10.310	10.000	ug/L	103		76 - 114		
Toluene-d8 (Surrogate)	BUH0339-BS1	LCS	9.8700	10.000	ug/L	98.7		88 - 110		
4-Bromofluorobenzene (Surrogate)	BUH0339-BS1	LCS	10.150	10.000	ug/L	102		86 - 115		
QC Batch ID: BUH0430										
Benzene	BUH0430-BS1	LCS	25.450	25.000	ug/L	102		70 - 130		
Toluene	BUH0430-BS1	LCS	28.770	25.000	ug/L	115		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BUH0430-BS1	LCS	9.7800	10.000	ug/L	97.8		76 - 114		
Toluene-d8 (Surrogate)	BUH0430-BS1	LCS	10.160	10.000	ug/L	102		88 - 110		
4-Bromofluorobenzene (Surrogate)	BUH0430-BS1	LCS	10.370	10.000	ug/L	104		86 - 115		

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Volatile Organic Analysis (EPA Method 8260)

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: BUH0339	Used client sample: N										
Benzene	MS	1112337-07	ND	25.890	25.000	ug/L		104		70 - 130	
	MSD	1112337-07	ND	24.790	25.000	ug/L	4.3	99.2	20	70 - 130	
Toluene	MS	1112337-07	ND	28.270	25.000	ug/L		113		70 - 130	
	MSD	1112337-07	ND	27.490	25.000	ug/L	2.8	110	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1112337-07	ND	10.370	10.000	ug/L		104		76 - 114	
	MSD	1112337-07	ND	10.140	10.000	ug/L	2.2	101		76 - 114	
Toluene-d8 (Surrogate)	MS	1112337-07	ND	10.190	10.000	ug/L		102		88 - 110	
	MSD	1112337-07	ND	9.9200	10.000	ug/L	2.7	99.2		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1112337-07	ND	10.010	10.000	ug/L		100		86 - 115	
	MSD	1112337-07	ND	10.190	10.000	ug/L	1.8	102		86 - 115	
QC Batch ID: BUH0430	Used client sample: N										
Benzene	MS	1112501-03	ND	26.540	25.000	ug/L		106		70 - 130	
	MSD	1112501-03	ND	26.890	25.000	ug/L	1.3	108	20	70 - 130	
Toluene	MS	1112501-03	ND	28.740	25.000	ug/L		115		70 - 130	
	MSD	1112501-03	ND	30.040	25.000	ug/L	4.4	120	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1112501-03	ND	10.340	10.000	ug/L		103		76 - 114	
	MSD	1112501-03	ND	9.9600	10.000	ug/L	3.7	99.6		76 - 114	
Toluene-d8 (Surrogate)	MS	1112501-03	ND	10.090	10.000	ug/L		101		88 - 110	
	MSD	1112501-03	ND	10.160	10.000	ug/L	0.7	102		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1112501-03	ND	9.9800	10.000	ug/L		99.8		86 - 115	
	MSD	1112501-03	ND	9.9700	10.000	ug/L	0.1	99.7		86 - 115	

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Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUH0454						
Non-Volatile Organic Carbon	BUH0454-BLK1	ND	mg/L	0.30		
QC Batch ID: BUH0455						
Non-Volatile Organic Carbon	BUH0455-BLK1	ND	mg/L	0.30		
QC Batch ID: BUH0461						
Nitrate as NO3	BUH0461-BLK1	ND	mg/L	0.44		
Sulfate	BUH0461-BLK1	ND	mg/L	1.0		
QC Batch ID: BUH0490						
Iron (II) Species	BUH0490-BLK1	ND	ug/L	100		

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Water Analysis (General Chemistry)

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: BUH0454										
Non-Volatile Organic Carbon	BUH0454-BS1	LCS	4.8790	5.0000	mg/L	97.6		85 - 115		
QC Batch ID: BUH0455										
Non-Volatile Organic Carbon	BUH0455-BS1	LCS	4.9200	5.0000	mg/L	98.4		85 - 115		
QC Batch ID: BUH0461										
Nitrate as NO3	BUH0461-BS1	LCS	22.439	22.134	mg/L	101		90 - 110		
Sulfate	BUH0461-BS1	LCS	101.33	100.00	mg/L	101		90 - 110		
QC Batch ID: BUH0480										
Electrical Conductivity @ 25 C	BUH0480-BS1	LCS	297.40	303.00	umhos/cm	98.2		90 - 110		
QC Batch ID: BUH0481										
Electrical Conductivity @ 25 C	BUH0481-BS1	LCS	296.80	303.00	umhos/cm	98.0		90 - 110		
QC Batch ID: BUH0490										
Iron (II) Species	BUH0490-BS1	LCS	2075.8	2000.0	ug/L	104		90 - 110		

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Water Analysis (General Chemistry)

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: BUH0409	Used client sample: Y - Description: MW-9-W-110804, 08/04/2011 07:36										
Dissolved Oxygen	DUP	1112564-01	7.8000	7.8000		mg O/L	0		10		
QC Batch ID: BUH0410	Used client sample: Y - Description: MW-4-W-110804, 08/04/2011 10:05										
Dissolved Oxygen	DUP	1112564-11	9.7000	9.7000		mg O/L	0		10		
QC Batch ID: BUH0454	Used client sample: N										
Non-Volatile Organic Carbon	DUP	1112562-01	ND	ND		mg/L			10		
	MS	1112562-01	ND	5.1427	5.0251	mg/L		102		80 - 120	
	MSD	1112562-01	ND	5.1407	5.0251	mg/L	0.0	102	10	80 - 120	
QC Batch ID: BUH0455	Used client sample: Y - Description: MW-7-W-110804, 08/04/2011 08:56										
Non-Volatile Organic Carbon	DUP	1112564-04	3.9730	3.9500		mg/L	0.6		10		
	MS	1112564-04	3.9730	8.8342	5.0251	mg/L		96.7		80 - 120	
	MSD	1112564-04	3.9730	8.8271	5.0251	mg/L	0.1	96.6	10	80 - 120	
QC Batch ID: BUH0461	Used client sample: Y - Description: MW-9-W-110804, 08/04/2011 07:36										
Nitrate as NO3	DUP	1112564-01	14.803	14.728		mg/L	0.5		10		
	MS	1112564-01	14.803	37.677	22.358	mg/L		102		80 - 120	
	MSD	1112564-01	14.803	37.820	22.358	mg/L	0.4	103	10	80 - 120	
Sulfate	DUP	1112564-01	45.421	45.265		mg/L	0.3		10		
	MS	1112564-01	45.421	153.57	101.01	mg/L		107		80 - 120	
	MSD	1112564-01	45.421	153.69	101.01	mg/L	0.1	107	10	80 - 120	
QC Batch ID: BUH0480	Used client sample: N										
Electrical Conductivity @ 25 C	DUP	1112558-14	1254.0	1258.0		umhos/cm	0.3		10		
QC Batch ID: BUH0481	Used client sample: Y - Description: MW-1AR-W-110804, 08/04/2011 08:42										
Electrical Conductivity @ 25 C	DUP	1112564-08	370.70	371.90		umhos/cm	0.3		10		
QC Batch ID: BUH0482	Used client sample: Y - Description: MW-9-W-110804, 08/04/2011 07:36										
Oxidation Reduction Potential (Eobs_Ag/	DUP	1112564-01	333.42	340.25		mV	2.0		10		
QC Batch ID: BUH0483	Used client sample: Y - Description: MW-4-W-110804, 08/04/2011 10:05										
Oxidation Reduction Potential (Eobs_Ag/	DUP	1112564-11	311.53	311.34		mV	0.1		10		
QC Batch ID: BUH0490	Used client sample: Y - Description: MW-9-W-110804, 08/04/2011 07:36										
Iron (II) Species	DUP	1112564-01	275.72	258.74		ug/L	6.4		10		

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Water Analysis (Metals)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUH0415						
Hexavalent Chromium	BUH0415-BLK1	ND	ug/L	2.0		
QC Batch ID: BUH0419						
Hexavalent Chromium	BUH0419-BLK1	ND	ug/L	2.0		
QC Batch ID: BUH0435						
Dissolved Chromium	BUH0435-BLK1	ND	ug/L	10		
QC Batch ID: BUH0687						
Total Chromium	BUH0687-BLK1	ND	ug/L	10		
QC Batch ID: BUH0711						
Total Recoverable Manganese	BUH0711-BLK1	ND	ug/L	1.0		
Total Recoverable Vanadium	BUH0711-BLK1	ND	ug/L	3.0		
QC Batch ID: BUH0826						
Total Recoverable Manganese	BUH0826-BLK1	ND	ug/L	1.0		
Total Recoverable Vanadium	BUH0826-BLK1	ND	ug/L	3.0		
QC Batch ID: BUH1228						
Dissolved Manganese	BUH1228-BLK1	ND	ug/L	1.0		
Dissolved Vanadium	BUH1228-BLK1	ND	ug/L	3.0		

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Water Analysis (Metals)

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: BUH0415										
Hexavalent Chromium	BUH0415-BS1	LCS	50.532	50.000	ug/L	101		85 - 115		
QC Batch ID: BUH0419										
Hexavalent Chromium	BUH0419-BS1	LCS	50.561	50.000	ug/L	101		85 - 115		
QC Batch ID: BUH0435										
Dissolved Chromium	BUH0435-BS1	LCS	209.40	200.00	ug/L	105		85 - 115		
QC Batch ID: BUH0687										
Total Chromium	BUH0687-BS1	LCS	215.83	200.00	ug/L	108		85 - 115		
QC Batch ID: BUH0711										
Total Recoverable Manganese	BUH0711-BS1	LCS	92.649	100.00	ug/L	92.6		85 - 115		
Total Recoverable Vanadium	BUH0711-BS1	LCS	37.531	40.000	ug/L	93.8		85 - 115		
QC Batch ID: BUH0826										
Total Recoverable Manganese	BUH0826-BS1	LCS	99.076	100.00	ug/L	99.1		85 - 115		
Total Recoverable Vanadium	BUH0826-BS1	LCS	40.294	40.000	ug/L	101		85 - 115		
QC Batch ID: BUH1228										
Dissolved Manganese	BUH1228-BS1	LCS	103.75	100.00	ug/L	104		85 - 115		
Dissolved Vanadium	BUH1228-BS1	LCS	42.116	40.000	ug/L	105		85 - 115		

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Reported: 08/22/2011 11:56
Project: 0843
Project Number: 351849
Project Manager: Kathy Brandt

Water Analysis (Metals)

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: BUH0415	Used client sample: Y - Description: MW-9-W-110804, 08/04/2011 07:36										
Hexavalent Chromium	DUP	1112564-01	5.1780	5.2070		ug/L	0.6		10		
	MS	1112564-01	5.1780	60.276	52.632	ug/L		105		85 - 115	
	MSD	1112564-01	5.1780	59.979	52.632	ug/L	0.5	104	10	85 - 115	
QC Batch ID: BUH0419	Used client sample: N										
Hexavalent Chromium	DUP	1112575-02	0.87600	ND		ug/L			10		
	MS	1112575-02	0.87600	53.942	52.632	ug/L		101		85 - 115	
	MSD	1112575-02	0.87600	53.683	52.632	ug/L	0.5	100	10	85 - 115	
QC Batch ID: BUH0435	Used client sample: N										
Dissolved Chromium	DUP	1112499-01	1.0655	ND		ug/L			20		A02
	MS	1112499-01	1.0655	218.42	204.08	ug/L		107		75 - 125	
	MSD	1112499-01	1.0655	220.68	204.08	ug/L	1.0	108	20	75 - 125	
QC Batch ID: BUH0687	Used client sample: N										
Total Chromium	DUP	1112558-09	2.0588	ND		ug/L			20		
	MS	1112558-09	2.0588	207.15	200.00	ug/L		103		75 - 125	
	MSD	1112558-09	2.0588	204.95	200.00	ug/L	1.1	101	20	75 - 125	
QC Batch ID: BUH0711	Used client sample: N										
Total Recoverable Manganese	DUP	1112562-06	3.8140	3.7850		ug/L	0.8		20		
	MS	1112562-06	3.8140	87.195	100.00	ug/L		83.4		70 - 130	
	MSD	1112562-06	3.8140	85.495	100.00	ug/L	2.0	81.7	20	70 - 130	
Total Recoverable Vanadium	DUP	1112562-06	14.539	14.378		ug/L	1.1		20		
	MS	1112562-06	14.539	49.266	40.000	ug/L		86.8		70 - 130	
	MSD	1112562-06	14.539	48.713	40.000	ug/L	1.1	85.4	20	70 - 130	
QC Batch ID: BUH0826	Used client sample: N										
Total Recoverable Manganese	DUP	1112574-01	29.754	30.297		ug/L	1.8		20		
	MS	1112574-01	29.754	125.89	100.00	ug/L		96.1		70 - 130	
	MSD	1112574-01	29.754	131.56	100.00	ug/L	4.4	102	20	70 - 130	
Total Recoverable Vanadium	DUP	1112574-01	ND	ND		ug/L			20		
	MS	1112574-01	ND	39.453	40.000	ug/L		98.6		70 - 130	
	MSD	1112574-01	ND	41.297	40.000	ug/L	4.6	103	20	70 - 130	
QC Batch ID: BUH1228	Used client sample: N										
Dissolved Manganese	DUP	1112476-01	23.166	22.697		ug/L	2.0		20		
	MS	1112476-01	23.166	125.31	102.04	ug/L		100		70 - 130	
	MSD	1112476-01	23.166	123.81	102.04	ug/L	1.2	98.6	20	70 - 130	
Dissolved Vanadium	DUP	1112476-01	ND	ND		ug/L			20		
	MS	1112476-01	ND	42.007	40.816	ug/L		103		70 - 130	
	MSD	1112476-01	ND	41.007	40.816	ug/L	2.4	100	20	70 - 130	

Arcadis	**Reported:** 08/22/2011 11:56
1900 Powell Street 12th Floor	Project: 0843
Emeryville, CA 94608	Project Number: 351849
	Project Manager: Kathy Brandt

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.
A02	The difference between duplicate readings is less than the PQL.
A90	TPPH does not exhibit a "gasoline" pattern. TPPH is entirely due to MTBE.
S05	The sample holding time was exceeded.

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THE LEADER IN ENVIRONMENTAL TESTING

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LABORATORY REPORT

Prepared For: Blaine Tech San Jose/CRA Shell
1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

Project: 1601 Webster St., Alameda, CA

Sampled: 08/04/11
Received: 08/05/11
Issued: 08/17/11 15:27

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IUH0732-01	TBW-N	Water
IUH0732-02	S-2	Water
IUH0732-03	S-3	Water
IUH0732-04	S-4	Water
IUH0732-05	S-4B	Water
IUH0732-06	S-5	Water
IUH0732-07	S-6	Water
IUH0732-08	S-7	Water
IUH0732-09	S-8	Water
IUH0732-10	S-9	Water

Reviewed By:

TestAmerica Irvine

Philip Sanelle
Project Manager

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Blaine Tech San Jose/CRA Shell
1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 1601 Webster St., Alameda, CA
Report Number: IUH0732

Sampled: 08/04/11
Received: 08/05/11

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUH0732-01 (TBW-N - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1270	500	**11000**	10	8/10/2011	8/10/2011	
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Sample ID: IUH0732-02 (S-2 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1287	50	ND	1	8/10/2011	8/10/2011	
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Sample ID: IUH0732-03 (S-3 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1287	50	ND	1	8/10/2011	8/10/2011	
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Sample ID: IUH0732-04 (S-4 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1287	50	ND	1	8/10/2011	8/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Sample ID: IUH0732-05 (S-4B - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1287	50	ND	1	8/10/2011	8/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*95 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Sample ID: IUH0732-06 (S-5 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1287	50	ND	1	8/10/2011	8/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				

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VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUH0732-07 (S-6 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1287	50	**820**	1	8/10/2011	8/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Sample ID: IUH0732-08 (S-7 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1663	1000	**4600**	20	8/12/2011	8/13/2011	
Surrogate: Dibromofluoromethane (80-120%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Sample ID: IUH0732-09 (S-8 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1287	500	**7200**	10	8/10/2011	8/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Sample ID: IUH0732-10 (S-9 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1491	250	**5300**	5	8/11/2011	8/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				

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Sampled: 08/04/11
Received: 08/05/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUH0732-01 (TBW-N - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1105	0.50	**5.7**	1	8/9/2011	8/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11H1105	0.50	ND	1	8/9/2011	8/10/2011	
1,2-Dichloroethane	EPA 8260B	11H1105	0.50	ND	1	8/9/2011	8/10/2011	
Ethylbenzene	EPA 8260B	11H1105	0.50	**77**	1	8/9/2011	8/10/2011	
Toluene	EPA 8260B	11H1105	0.50	**26**	1	8/9/2011	8/10/2011	
Xylenes, Total	EPA 8260B	11H1105	1.0	**120**	1	8/9/2011	8/10/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1105	1.0	ND	1	8/9/2011	8/10/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1105	1.0	ND	1	8/9/2011	8/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1105	1.0	**21**	1	8/9/2011	8/10/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1105	1.0	ND	1	8/9/2011	8/10/2011	
tert-Butanol (TBA)	EPA 8260B	11H1105	10	**12**	1	8/9/2011	8/10/2011	
Ethanol	EPA 8260B	11H1105	150	ND	1	8/9/2011	8/10/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*104 %*				
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*113 %*				
Sample ID: IUH0732-02 (S-2 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/10/2011	
Ethylbenzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/10/2011	
Toluene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/10/2011	
Xylenes, Total	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
tert-Butanol (TBA)	EPA 8260B	11H1287	10	ND	1	8/10/2011	8/10/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUH0732-03 (S-3 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/10/2011	
Ethylbenzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/10/2011	
Toluene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/10/2011	
Xylenes, Total	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
tert-Butanol (TBA)	EPA 8260B	11H1287	10	ND	1	8/10/2011	8/10/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Sample ID: IUH0732-04 (S-4 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Ethylbenzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Toluene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Xylenes, Total	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B	11H1287	10	ND	1	8/10/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				

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Received: 08/05/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUH0732-05 (S-4B - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Ethylbenzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Toluene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Xylenes, Total	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1287	1.0	**1.1**	1	8/10/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B	11H1287	10	**22**	1	8/10/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*95 %*				
Sample ID: IUH0732-06 (S-5 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Ethylbenzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Toluene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Xylenes, Total	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1287	1.0	**1.8**	1	8/10/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B	11H1287	10	ND	1	8/10/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				

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Report Number: IUH0732

Sampled: 08/04/11
Received: 08/05/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUH0732-07 (S-6 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1287	0.50	**1.2**	1	8/10/2011	8/11/2011	
Ethylbenzene	EPA 8260B	11H1287	0.50	**1.7**	1	8/10/2011	8/11/2011	
Toluene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Xylenes, Total	EPA 8260B	11H1287	1.0	**1.2**	1	8/10/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B	11H1287	10	ND	1	8/10/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Sample ID: IUH0732-08 (S-7 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1663	10	**1200**	20	8/12/2011	8/13/2011	
Ethylbenzene	EPA 8260B	11H1663	10	ND	20	8/12/2011	8/13/2011	
Toluene	EPA 8260B	11H1663	10	**16**	20	8/12/2011	8/13/2011	
Xylenes, Total	EPA 8260B	11H1663	20	ND	20	8/12/2011	8/13/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1663	20	ND	20	8/12/2011	8/13/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1663	20	ND	20	8/12/2011	8/13/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1663	20	ND	20	8/12/2011	8/13/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1663	20	ND	20	8/12/2011	8/13/2011	
tert-Butanol (TBA)	EPA 8260B	11H1663	200	ND	20	8/12/2011	8/13/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

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Project ID: 1601 Webster St., Alameda, CA

Report Number: IUH0732

Sampled: 08/04/11
Received: 08/05/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUH0732-09 (S-8 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1287	5.0	**830**	10	8/10/2011	8/11/2011	
Ethylbenzene	EPA 8260B	11H1287	5.0	**26**	10	8/10/2011	8/11/2011	
Toluene	EPA 8260B	11H1287	5.0	ND	10	8/10/2011	8/11/2011	
Xylenes, Total	EPA 8260B	11H1287	10	**13**	10	8/10/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1287	10	ND	10	8/10/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1287	10	ND	10	8/10/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1287	10	ND	10	8/10/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1287	10	ND	10	8/10/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B	11H1287	100	ND	10	8/10/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Sample ID: IUH0732-10 (S-9 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1491	2.5	**370**	5	8/11/2011	8/11/2011	
Ethylbenzene	EPA 8260B	11H1491	2.5	**53**	5	8/11/2011	8/11/2011	
Toluene	EPA 8260B	11H1491	2.5	**18**	5	8/11/2011	8/11/2011	
Xylenes, Total	EPA 8260B	11H1491	5.0	**370**	5	8/11/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1491	5.0	ND	5	8/11/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1491	5.0	ND	5	8/11/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1491	5.0	ND	5	8/11/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1491	5.0	ND	5	8/11/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B	11H1491	50	ND	5	8/11/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				

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VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H1270 Extracted: 08/10/11										
Blank Analyzed: 08/10/2011 (11H1270-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*23.7*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.6*		*ug/l*	*25.0*		*95*	*80-120*			
LCS Analyzed: 08/10/2011 (11H1270-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	527	50	ug/l	500		105	55-130			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Matrix Spike Analyzed: 08/10/2011 (11H1270-MS1)					**Source: IUH0802-01**					
Volatile Fuel Hydrocarbons (C4-C12)	1550	50	ug/l	1720	ND	90	50-145			
Surrogate: Dibromofluoromethane	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Matrix Spike Dup Analyzed: 08/10/2011 (11H1270-MSD1)					**Source: IUH0802-01**					
Volatile Fuel Hydrocarbons (C4-C12)	1640	50	ug/l	1720	ND	95	50-145	5	20	
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Batch: 11H1287 Extracted: 08/10/11										
Blank Analyzed: 08/10/2011 (11H1287-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			

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VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H1287 Extracted: 08/10/11										
LCS Analyzed: 08/10/2011 (11H1287-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	494	50	ug/l	500		99	55-130			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Matrix Spike Analyzed: 08/10/2011 (11H1287-MS1)					**Source: IUH0620-04RE1**					
Volatile Fuel Hydrocarbons (C4-C12)	1370	50	ug/l	1720	ND	79	50-145			
Surrogate: Dibromofluoromethane	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Matrix Spike Dup Analyzed: 08/10/2011 (11H1287-MSD1)					**Source: IUH0620-04RE1**					
Volatile Fuel Hydrocarbons (C4-C12)	1360	50	ug/l	1720	ND	79	50-145	0.6	20	
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Batch: 11H1491 Extracted: 08/11/11										
Blank Analyzed: 08/11/2011 (11H1491-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*23.7*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
LCS Analyzed: 08/11/2011 (11H1491-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	489	50	ug/l	500		98	55-130			
Surrogate: Dibromofluoromethane	*23.1*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/l*	*25.0*		*96*	*80-120*			

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VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H1491 Extracted: 08/11/11										
Matrix Spike Analyzed: 08/11/2011 (11H1491-MS1)					**Source: IUH0595-13**					
Volatile Fuel Hydrocarbons (C4-C12)	1400	50	ug/l	1720	74.2	77	50-145			
Surrogate: Dibromofluoromethane	*22.6*		*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Matrix Spike Dup Analyzed: 08/11/2011 (11H1491-MSD1)					**Source: IUH0595-13**					
Volatile Fuel Hydrocarbons (C4-C12)	1420	50	ug/l	1720	74.2	78	50-145	1	20	
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Toluene-d8	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Batch: 11H1663 Extracted: 08/12/11										
Blank Analyzed: 08/12/2011 (11H1663-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*22.0*		*ug/l*	*25.0*		*88*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			
LCS Analyzed: 08/12/2011 (11H1663-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	438	50	ug/l	500		88	55-130			
Surrogate: Dibromofluoromethane	*22.2*		*ug/l*	*25.0*		*89*	*80-120*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.6*		*ug/l*	*25.0*		*94*	*80-120*			
Matrix Spike Analyzed: 08/12/2011 (11H1663-MS1)					**Source: IUH0595-09**					
Volatile Fuel Hydrocarbons (C4-C12)	1800	50	ug/l	1720	ND	104	50-145			
Surrogate: Dibromofluoromethane	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H1663 Extracted: 08/12/11										
Matrix Spike Dup Analyzed: 08/12/2011 (11H1663-MSD1)					**Source: IUH0595-09**					
Volatile Fuel Hydrocarbons (C4-C12)	1810	50	ug/l	1720	ND	105	50-145	0.9	20	
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*97*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H1105 Extracted: 08/09/11										
Blank Analyzed: 08/09/2011 (11H1105-BLK1)										
Benzene	ND	0.50	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Ethanol	ND	150	ug/l							
Surrogate: 4-Bromofluorobenzene	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*29.3*		*ug/l*	*25.0*		*117*	*80-120*			
LCS Analyzed: 08/09/2011 (11H1105-BS1)										
Benzene	26.6	0.50	ug/l	25.0		106	70-120			
1,2-Dibromoethane (EDB)	25.3	0.50	ug/l	25.0		101	75-125			
1,2-Dichloroethane	22.2	0.50	ug/l	25.0		89	60-140			
Ethylbenzene	28.3	0.50	ug/l	25.0		113	75-125			
Toluene	26.3	0.50	ug/l	25.0		105	70-120			
m,p-Xylenes	53.2	1.0	ug/l	50.0		106	75-125			
o-Xylene	26.1	0.50	ug/l	25.0		104	75-125			
Xylenes, Total	79.2	1.0	ug/l	75.0		106	70-125			
Di-isopropyl Ether (DIPE)	24.2	1.0	ug/l	25.0		97	60-135			
Ethyl tert-Butyl Ether (ETBE)	25.0	1.0	ug/l	25.0		100	65-135			
Methyl-tert-butyl Ether (MTBE)	25.8	1.0	ug/l	25.0		103	60-135			
tert-Amyl Methyl Ether (TAME)	28.7	1.0	ug/l	25.0		115	60-135			
tert-Butanol (TBA)	126	10	ug/l	125		101	70-135			
Ethanol	210	150	ug/l	250		84	40-155			
Surrogate: 4-Bromofluorobenzene	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*28.2*		*ug/l*	*25.0*		*113*	*80-120*			

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H1105 Extracted: 08/09/11										
LCS Analyzed: 08/09/2011 (11H1105-BS2)										
Surrogate: 4-Bromofluorobenzene	*25.9*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*28.2*		*ug/l*	*25.0*		*113*	*80-120*			
Matrix Spike Analyzed: 08/09/2011 (11H1105-MS1)					**Source: IUH0738-01**					
Benzene	31.3	0.50	ug/l	25.0	ND	125	65-125			
1,2-Dibromoethane (EDB)	27.2	0.50	ug/l	25.0	ND	109	70-130			
1,2-Dichloroethane	25.7	0.50	ug/l	25.0	ND	103	60-140			
Ethylbenzene	32.0	0.50	ug/l	25.0	ND	128	65-130			
Toluene	30.0	0.50	ug/l	25.0	ND	120	70-125			
m,p-Xylenes	60.2	1.0	ug/l	50.0	ND	120	65-130			
o-Xylene	29.3	0.50	ug/l	25.0	ND	117	65-125			
Xylenes, Total	89.6	1.0	ug/l	75.0	ND	119	60-130			
Di-isopropyl Ether (DIPE)	25.1	1.0	ug/l	25.0	ND	100	60-140			
Ethyl tert-Butyl Ether (ETBE)	27.5	1.0	ug/l	25.0	ND	110	60-135			
Methyl-tert-butyl Ether (MTBE)	33.4	1.0	ug/l	25.0	7.32	105	55-145			
tert-Amyl Methyl Ether (TAME)	33.0	1.0	ug/l	25.0	ND	132	60-140			
tert-Butanol (TBA)	1120	10	ug/l	125	985	108	65-140			
Ethanol	185	150	ug/l	250	ND	74	40-155			
Surrogate: 4-Bromofluorobenzene	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*23.9*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*27.8*		*ug/l*	*25.0*		*111*	*80-120*			
Matrix Spike Dup Analyzed: 08/09/2011 (11H1105-MSD1)					**Source: IUH0738-01**					
Benzene	30.3	0.50	ug/l	25.0	ND	121	65-125	3	20	
1,2-Dibromoethane (EDB)	27.1	0.50	ug/l	25.0	ND	108	70-130	0.5	25	
1,2-Dichloroethane	24.1	0.50	ug/l	25.0	ND	96	60-140	6	20	
Ethylbenzene	30.8	0.50	ug/l	25.0	ND	123	65-130	4	20	
Toluene	29.6	0.50	ug/l	25.0	ND	118	70-125	1	20	
m,p-Xylenes	58.3	1.0	ug/l	50.0	ND	117	65-130	3	25	
o-Xylene	28.6	0.50	ug/l	25.0	ND	114	65-125	3	20	
Xylenes, Total	86.8	1.0	ug/l	75.0	ND	116	60-130	3	20	
Di-isopropyl Ether (DIPE)	24.4	1.0	ug/l	25.0	ND	98	60-140	3	25	
Ethyl tert-Butyl Ether (ETBE)	26.8	1.0	ug/l	25.0	ND	107	60-135	2	25	
Methyl-tert-butyl Ether (MTBE)	33.6	1.0	ug/l	25.0	7.32	105	55-145	0.3	25	
tert-Amyl Methyl Ether (TAME)	32.5	1.0	ug/l	25.0	ND	130	60-140	1	30	
tert-Butanol (TBA)	1090	10	ug/l	125	985	86	65-140	3	25	

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Blaine Tech San Jose/CRA Shell
1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 1601 Webster St., Alameda, CA

Report Number: IUH0732

Sampled: 08/04/11
Received: 08/05/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H1105 Extracted: 08/09/11										
Matrix Spike Dup Analyzed: 08/09/2011 (11H1105-MSD1)					**Source: IUH0738-01**					
Ethanol	157	150	ug/l	250	ND	63	40-155	17	30	
Surrogate: 4-Bromofluorobenzene	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*23.7*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*28.1*		*ug/l*	*25.0*		*112*	*80-120*			
Batch: 11H1287 Extracted: 08/10/11										
Blank Analyzed: 08/10/2011 (11H1287-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
LCS Analyzed: 08/10/2011 (11H1287-BS1)										
Benzene	21.5	0.50	ug/l	25.0		86	70-120			
Ethylbenzene	23.5	0.50	ug/l	25.0		94	75-125			
Toluene	22.5	0.50	ug/l	25.0		90	70-120			
m,p-Xylenes	47.9	1.0	ug/l	50.0		96	75-125			
o-Xylene	24.1	0.50	ug/l	25.0		96	75-125			
Xylenes, Total	72.0	1.0	ug/l	75.0		96	70-125			
Di-isopropyl Ether (DIPE)	21.8	1.0	ug/l	25.0		87	60-135			
Ethyl tert-Butyl Ether (ETBE)	22.0	1.0	ug/l	25.0		88	65-135			
Methyl-tert-butyl Ether (MTBE)	22.1	1.0	ug/l	25.0		88	60-135			
tert-Amyl Methyl Ether (TAME)	23.3	1.0	ug/l	25.0		93	60-135			
tert-Butanol (TBA)	137	10	ug/l	125		109	70-135			
Surrogate: 4-Bromofluorobenzene	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H1287 Extracted: 08/10/11										
LCS Analyzed: 08/10/2011 (11H1287-BS1)										
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Matrix Spike Analyzed: 08/10/2011 (11H1287-MS1)					**Source: IUH0620-04RE1**					
Benzene	22.2	0.50	ug/l	25.0	ND	89	65-125			
Ethylbenzene	24.7	0.50	ug/l	25.0	ND	99	65-130			
Toluene	23.2	0.50	ug/l	25.0	ND	93	70-125			
m,p-Xylenes	49.5	1.0	ug/l	50.0	ND	99	65-130			
o-Xylene	25.4	0.50	ug/l	25.0	ND	102	65-125			
Xylenes, Total	74.9	1.0	ug/l	75.0	ND	100	60-130			
Di-isopropyl Ether (DIPE)	23.0	1.0	ug/l	25.0	ND	92	60-140			
Ethyl tert-Butyl Ether (ETBE)	23.5	1.0	ug/l	25.0	ND	94	60-135			
Methyl-tert-butyl Ether (MTBE)	23.3	1.0	ug/l	25.0	ND	93	55-145			
tert-Amyl Methyl Ether (TAME)	24.2	1.0	ug/l	25.0	ND	97	60-140			
tert-Butanol (TBA)	126	10	ug/l	125	ND	101	65-140			
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Matrix Spike Dup Analyzed: 08/10/2011 (11H1287-MSD1)					**Source: IUH0620-04RE1**					
Benzene	22.3	0.50	ug/l	25.0	ND	89	65-125	0.2	20	
Ethylbenzene	25.3	0.50	ug/l	25.0	ND	101	65-130	2	20	
Toluene	23.0	0.50	ug/l	25.0	ND	92	70-125	0.5	20	
m,p-Xylenes	50.6	1.0	ug/l	50.0	ND	101	65-130	2	25	
o-Xylene	25.9	0.50	ug/l	25.0	ND	104	65-125	2	20	
Xylenes, Total	76.5	1.0	ug/l	75.0	ND	102	60-130	2	20	
Di-isopropyl Ether (DIPE)	22.9	1.0	ug/l	25.0	ND	91	60-140	0.3	25	
Ethyl tert-Butyl Ether (ETBE)	23.1	1.0	ug/l	25.0	ND	92	60-135	2	25	
Methyl-tert-butyl Ether (MTBE)	22.6	1.0	ug/l	25.0	ND	90	55-145	3	25	
tert-Amyl Methyl Ether (TAME)	24.0	1.0	ug/l	25.0	ND	96	60-140	0.7	30	
tert-Butanol (TBA)	153	10	ug/l	125	ND	122	65-140	19	25	
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H1491 Extracted: 08/11/11										
Blank Analyzed: 08/11/2011 (11H1491-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*23.7*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
LCS Analyzed: 08/11/2011 (11H1491-BS1)										
Benzene	22.6	0.50	ug/l	25.0		91	70-120			
Ethylbenzene	26.3	0.50	ug/l	25.0		105	75-125			
Toluene	23.8	0.50	ug/l	25.0		95	70-120			
m,p-Xylenes	52.7	1.0	ug/l	50.0		105	75-125			
o-Xylene	26.7	0.50	ug/l	25.0		107	75-125			
Xylenes, Total	79.4	1.0	ug/l	75.0		106	70-125			
Di-isopropyl Ether (DIPE)	22.8	1.0	ug/l	25.0		91	60-135			
Ethyl tert-Butyl Ether (ETBE)	22.7	1.0	ug/l	25.0		91	65-135			
Methyl-tert-butyl Ether (MTBE)	23.0	1.0	ug/l	25.0		92	60-135			
tert-Amyl Methyl Ether (TAME)	23.4	1.0	ug/l	25.0		94	60-135			
tert-Butanol (TBA)	165	10	ug/l	125		132	70-135			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*22.9*		*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*99*	*80-120*			

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H1491 Extracted: 08/11/11										
Matrix Spike Analyzed: 08/11/2011 (11H1491-MS1)					**Source: IUH0595-13**					
Benzene	22.3	0.50	ug/l	25.0	ND	89	65-125			
Ethylbenzene	24.5	0.50	ug/l	25.0	ND	98	65-130			
Toluene	23.5	0.50	ug/l	25.0	ND	94	70-125			
m,p-Xylenes	49.5	1.0	ug/l	50.0	ND	99	65-130			
o-Xylene	24.9	0.50	ug/l	25.0	ND	100	65-125			
Xylenes, Total	74.4	1.0	ug/l	75.0	ND	99	60-130			
Di-isopropyl Ether (DIPE)	23.1	1.0	ug/l	25.0	1.07	88	60-140			
Ethyl tert-Butyl Ether (ETBE)	22.1	1.0	ug/l	25.0	ND	88	60-135			
Methyl-tert-butyl Ether (MTBE)	113	1.0	ug/l	25.0	98.1	60	55-145			
tert-Amyl Methyl Ether (TAME)	23.5	1.0	ug/l	25.0	ND	94	60-140			
tert-Butanol (TBA)	172	10	ug/l	125	20.6	121	65-140			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*22.6*		*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Dup Analyzed: 08/11/2011 (11H1491-MSD1)					**Source: IUH0595-13**					
Benzene	22.0	0.50	ug/l	25.0	ND	88	65-125	1	20	
Ethylbenzene	23.9	0.50	ug/l	25.0	ND	96	65-130	2	20	
Toluene	23.1	0.50	ug/l	25.0	ND	92	70-125	2	20	
m,p-Xylenes	48.5	1.0	ug/l	50.0	ND	97	65-130	2	25	
o-Xylene	24.6	0.50	ug/l	25.0	ND	98	65-125	2	20	
Xylenes, Total	73.1	1.0	ug/l	75.0	ND	97	60-130	2	20	
Di-isopropyl Ether (DIPE)	23.4	1.0	ug/l	25.0	1.07	89	60-140	1	25	
Ethyl tert-Butyl Ether (ETBE)	23.1	1.0	ug/l	25.0	ND	92	60-135	4	25	
Methyl-tert-butyl Ether (MTBE)	114	1.0	ug/l	25.0	98.1	64	55-145	0.8	25	
tert-Amyl Methyl Ether (TAME)	24.7	1.0	ug/l	25.0	ND	99	60-140	5	30	
tert-Butanol (TBA)	162	10	ug/l	125	20.6	113	65-140	6	25	
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Toluene-d8	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H1663 Extracted: 08/12/11										
Blank Analyzed: 08/12/2011 (11H1663-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Dibromofluoromethane	*22.0*		*ug/l*	*25.0*		*88*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
LCS Analyzed: 08/12/2011 (11H1663-BS1)										
Benzene	24.5	0.50	ug/l	25.0		98	70-120			
Ethylbenzene	25.5	0.50	ug/l	25.0		102	75-125			
Toluene	26.2	0.50	ug/l	25.0		105	70-120			
m,p-Xylenes	55.4	1.0	ug/l	50.0		111	75-125			
o-Xylene	25.9	0.50	ug/l	25.0		104	75-125			
Xylenes, Total	81.3	1.0	ug/l	75.0		108	70-125			
Di-isopropyl Ether (DIPE)	23.2	1.0	ug/l	25.0		93	60-135			
Ethyl tert-Butyl Ether (ETBE)	20.6	1.0	ug/l	25.0		82	65-135			
Methyl-tert-butyl Ether (MTBE)	22.2	1.0	ug/l	25.0		89	60-135			
tert-Amyl Methyl Ether (TAME)	20.3	1.0	ug/l	25.0		81	60-135			
tert-Butanol (TBA)	139	10	ug/l	125		111	70-135			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*22.6*		*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Toluene-d8	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H1663 Extracted: 08/12/11										
Matrix Spike Analyzed: 08/12/2011 (11H1663-MS1)					**Source: IUH0595-09**					
Benzene	25.7	0.50	ug/l	25.0	ND	103	65-125			
Ethylbenzene	26.7	0.50	ug/l	25.0	ND	107	65-130			
Toluene	28.1	0.50	ug/l	25.0	ND	112	70-125			
m,p-Xylenes	56.6	1.0	ug/l	50.0	ND	113	65-130			
o-Xylene	26.8	0.50	ug/l	25.0	ND	107	65-125			
Xylenes, Total	83.5	1.0	ug/l	75.0	ND	111	60-130			
Di-isopropyl Ether (DIPE)	24.0	1.0	ug/l	25.0	ND	96	60-140			
Ethyl tert-Butyl Ether (ETBE)	21.6	1.0	ug/l	25.0	ND	86	60-135			
Methyl-tert-butyl Ether (MTBE)	24.9	1.0	ug/l	25.0	0.530	97	55-145			
tert-Amyl Methyl Ether (TAME)	21.1	1.0	ug/l	25.0	ND	85	60-140			
tert-Butanol (TBA)	140	10	ug/l	125	ND	112	65-140			
Surrogate: 4-Bromofluorobenzene	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Matrix Spike Dup Analyzed: 08/12/2011 (11H1663-MSD1)					**Source: IUH0595-09**					
Benzene	25.9	0.50	ug/l	25.0	ND	104	65-125	0.9	20	
Ethylbenzene	26.8	0.50	ug/l	25.0	ND	107	65-130	0.3	20	
Toluene	27.5	0.50	ug/l	25.0	ND	110	70-125	2	20	
m,p-Xylenes	57.8	1.0	ug/l	50.0	ND	116	65-130	2	25	
o-Xylene	27.4	0.50	ug/l	25.0	ND	109	65-125	2	20	
Xylenes, Total	85.2	1.0	ug/l	75.0	ND	114	60-130	2	20	
Di-isopropyl Ether (DIPE)	24.7	1.0	ug/l	25.0	ND	99	60-140	3	25	
Ethyl tert-Butyl Ether (ETBE)	21.8	1.0	ug/l	25.0	ND	87	60-135	1	25	
Methyl-tert-butyl Ether (MTBE)	25.5	1.0	ug/l	25.0	0.530	100	55-145	2	25	
tert-Amyl Methyl Ether (TAME)	21.3	1.0	ug/l	25.0	ND	85	60-140	0.6	30	
tert-Butanol (TBA)	148	10	ug/l	125	ND	119	65-140	6	25	
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			

TestAmerica Irvine

Philip Sanelle
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Blaine Tech San Jose/CRA Shell
1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 1601 Webster St., Alameda, CA
Report Number: IUH0732

Sampled: 08/04/11
Received: 08/05/11

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD.
The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For Volatile Fuel Hydrocarbons (C4-C12):

Volatile Fuel Hydrocarbons (C4-C12) are quantitated against a gasoline standard. Quantitation begins immediately before TBA-d9.

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Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 8260B	Water	X	X
TPH by GC/MS	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Philip Sanelle
Project Manager

Shell Oil Products Chain Of Custody Record IUH0732

LAB (LOCATION)
- ☐ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☑ TEST AMERICA (IRVINE)
- ☐ OTHER (_____)

Please Check Appropriate Box:
☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☑ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER _____

Print Bill To Contact Name: Peter Schaefer 240467
PO # 40-40934-73

INCIDENT # (ENV SERVICES): 975647081 ☐ CHECK IF NO INCIDENT # APPLIES
SAP #
DATE: 8/4/11
PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
ADDRESS: 1680 Rogers Avenue, San Jose, CA
PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King
TELEPHONE: 310-995-4455 x 108
FAX: 310-637-5802
E-MAIL: lking@blainetech.com

SITE ADDRESS: Street and City: 1601 Webster St., Alameda
State: CA
GLOBAL ID NO.: T0600137103
EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville
PHONE NO.: 510-420-3343
E-MAIL: shelledf@craworld.com
CONSULTANT PROJECT NO.: 110804-BP1
SAMPLER NAME(S) (Print): Ben Powell
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND
☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
Email invoice and copy of final report to Shell.Lab.Billing@craworld.com

☐ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH -GRO, Purgeable (8260B)	TPH -DRO, Extractable (8015M)	TPHg (8015M)	BTEX (5260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
	TBW-N	8-4-11	1045	W	X					3	X						X			X	X	X		
	S-2	8-4-11	1130	W	X					3	X						X							
	S-3	8-4-11	1145	W	X					3	X						X							
	S-4	8-4-11	1200	W	X					3	X						X							
	S-4B	8-4-11	1115	W	X					3	X						X							
	S-5	8-4-11	1100	W	X					3	X						X							
	S-6	8-4-11	1215	W	X					3	X						X							
	S-7	8-4-11	1235	W	X					3	X						X							
	S-8	8-4-11	1250	W	X					3	X						X							
	S-9	8-4-11	1310	W	X					3	X						X							

TEMPERATURE ON RECEIPT C°: 3.8

0.0 8/6/11 9:35

Relinquished by: (Signature)	Received by: (Signature)	Date: 8-4-11	Time: 1430
Relinquished by: (Signature)	Received by: (Signature) (sample custodian)	Date: 8/4/11	Time: 1625
Relinquished by: (Signature) 8-4-11 19:45	Received by: (Signature)	Date:	Time:

05/2/06 Revision

3.8°