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

October 19, 2012

Mr. Keith Nowell
Alameda County Heath Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

RE: Second Semi-annual 2012 Groundwater Monitoring Report
500 Bancroft Avenue, San Leandro, California
Fuel Leak Case No.: RO0000499

Dear Mr. Nowell,

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

If you have any questions or need additional information, please contact me at (925) 790-6270.

Sincerely,

Roya Kambin
Union Oil of California – Project Manager

Attachment
Second Semi-annual 2012 Groundwater Monitoring Report Submittal

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

Mr. Keith Nowell
Alameda County Heath Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject:
Second Semi-annual 2012 Groundwater Monitoring Report Submittal

ENVIRONMENT

Dear Mr. Nowell:

Date:
October 19, 2012

On behalf of Chevron Environmental Management Company, for itself and as Attorney-in-Fact for Union Oil Company of California (hereinafter "EMC"), ARCADIS U.S., Inc (ARCADIS) is pleased to submit the enclosed Semi-Annual Groundwater Monitoring Report for the following facility:

Facility No.	**Case No.**	**Location**
5367	RO0000499	500 Bancroft Avenue San Leandro, California

Contact:
Katherine Brandt

Phone:
510.596.9675

Email:
Katherine.Brandt@arcadis-us.com

Our ref:
B0047943.2012

If you have any questions or comments regarding the contents of this document, please contact Ms. Roya Kambin of Chevron at 925-790-6270 or by e-mail at RKambin@Chevron.com. Alternatively, you may contact Katherine Brandt of ARCADIS at 510.596.9675 or by e-mail at Katherine.Brandt@arcadis-us.com.

Sincerely,

ARCADIS

PROFESSIONAL GEOLOGIST
DAVID LAY
No.8545
STATE OF CALIFORNIA

Katherine Brandt
Certified Project Manager

David W. Lay, P.G.,C.P.G.
Principal Geologist

Copies:
Ms. Roya Kambin, EMC (electronic copy only)

UNION OIL OF CALIFORNIA
SECOND SEMI-ANNUAL MONITORING REPORT 2012
October 19, 2012

Facility No.: 5367 Address: 500 Bancroft Avenue, San Leandro, 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 / Mr. Keith Nowell Case No. R00499

WORK PERFORMED DURING THIS REPORTING PERIOD (Third and Fourth Quarter – 2012) :

1. TRC Solutions (TRC) conducted groundwater monitoring and sampling on August 16, 2012. Field data sheets and general procedures are included as **Attachment A**. Nine (9) groundwater monitoring wells were gauged and sampled during this monitoring event (MW-1 through MW-9). Monitoring well MW-10 was not gauged or sampled during this event due to access restrictions.

   All groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethylbenzene, and total xylenes (BTEX, collectively), methyl tertiary butyl ether (MTBE), 1,2-dibromoethane (EDB), 1,2-dichloroethane (1,2-DCE or EDC), and ethanol by United States Environmental Protection Agency (USEPA) Method 8260B. The field parameters, electrical conductivity (EC), depth to water (DTW), pH, and temperature were also measured during this sampling event.

   The site location map and the site plan are presented on **Figures 1** and **2, respectively.** Groundwater contour and concentration maps for TPH-g and benzene are presented on **Figures 3** through **5, respectively**. Current Groundwater Gauging and Analytical Results are summarized in **Table 1** and Historical Groundwater Results from TRC are included as **Attachment B**. A copy of the laboratory analytical report and chain-of-custody documentation is included as **Attachment C**.

WORK PROPOSED FOR THE NEXT REPORTING PERIOD (First and Second Quarter – 2013):

1. Perform groundwater monitoring and related reporting during first quarter 2013.

Current Phase of Project:	Groundwater Monitoring
Site Use:	76-branded service station
Frequency of Sampling:	Groundwater – Semiannually
Frequency of Monitoring:	Groundwater – Semiannually
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:	250 cubic yards during UST removal and replacement (1987) and 30 cubic yards during product piping and dispenser removal and replacement (1998)
Bulk Soil Removed this Quarter:	None
Water Wells or Surface Waters within a 2,000' Radius and Their Respective Directions:	15 wells are located within 2000 feet. However, no municipal wells were identified within 2000 feet of the site.
Groundwater Use Designation:	Municipal/Irrigation and Domestic
Current Remediation Techniques:	None
Permits for Discharge (No.):	None
Approximate Depth to Groundwater:	28.51 (MW-9) – 30.41 (MW-5) feet below top of casing

UNION OIL OF CALIFORNIA
SECOND SEMI-ANNUAL MONITORING REPORT 2012
October 19, 2012

Facility No.: 5367 Address: 500 Bancroft Avenue, San Leandro, California

			Measured X	Estimated	
Approximate Groundwater Elevation:			27.73 (MW-7) – 28.49 (MW-3) feet above mean sea level		
			Measured X	Estimated	
Groundwater Gradient:	0.005 ft/ft	(Magnitude)	Southwest		(Direction)

DISCUSSION:

Groundwater conditions during the third quarter 2012 remained generally consistent with previous monitoring events. TPH-g was detected in MW-1, MW-3, and MW-9 with a maximum concentration of 2,500 micrograms per liter (µg/L; MW-1). Benzene, ethylbenzene, and total xylenes were only detected in the groundwater sample collected from MW-1 at concentrations of 2.4 µg/L, 110 µg/L, and 10 µg/L, respectively. Toluene, MTBE, EDB, EDC, and ethanol were not detected above the laboratory reporting limits in any of the groundwater samples collected.

CONCLUSIONS AND RECOMMENDATIONS:

Dissolved hydrocarbon constituent concentrations have remained relatively consistent with previous sampling events. ARCADIS recommends continued groundwater monitoring and preparation of a Case Closure Addendum to satisfy the new guidance per the State Water Resources Control Board Low-Threat Underground Storage Tank Case Closure Policy (Res. 2012-0016) adopted August 17, 2012.

ATTACHMENTS:

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

Table 1: Current Groundwater Gauging and Analytical Results

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

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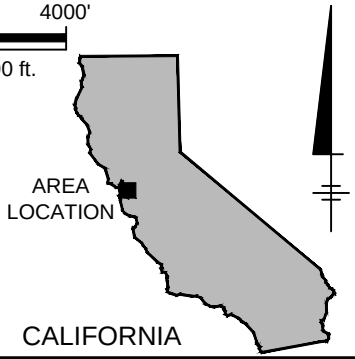
Figures

REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., SAN LEANDRO, CALIFORNIA, 2012.

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.



UNION OIL COMPANY OF CALIFORNIA
76 SERVICE STATION 35-1563
500 BANCROFT AVENUE
SAN LEANDRO, CALIFORNIA

SITE LOCATION MAP

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FIGURE 1

CITY: PETALUMA, CA DIV/GROUP: ENV DB: J. HARRIS
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San Leandro 2012.jpg

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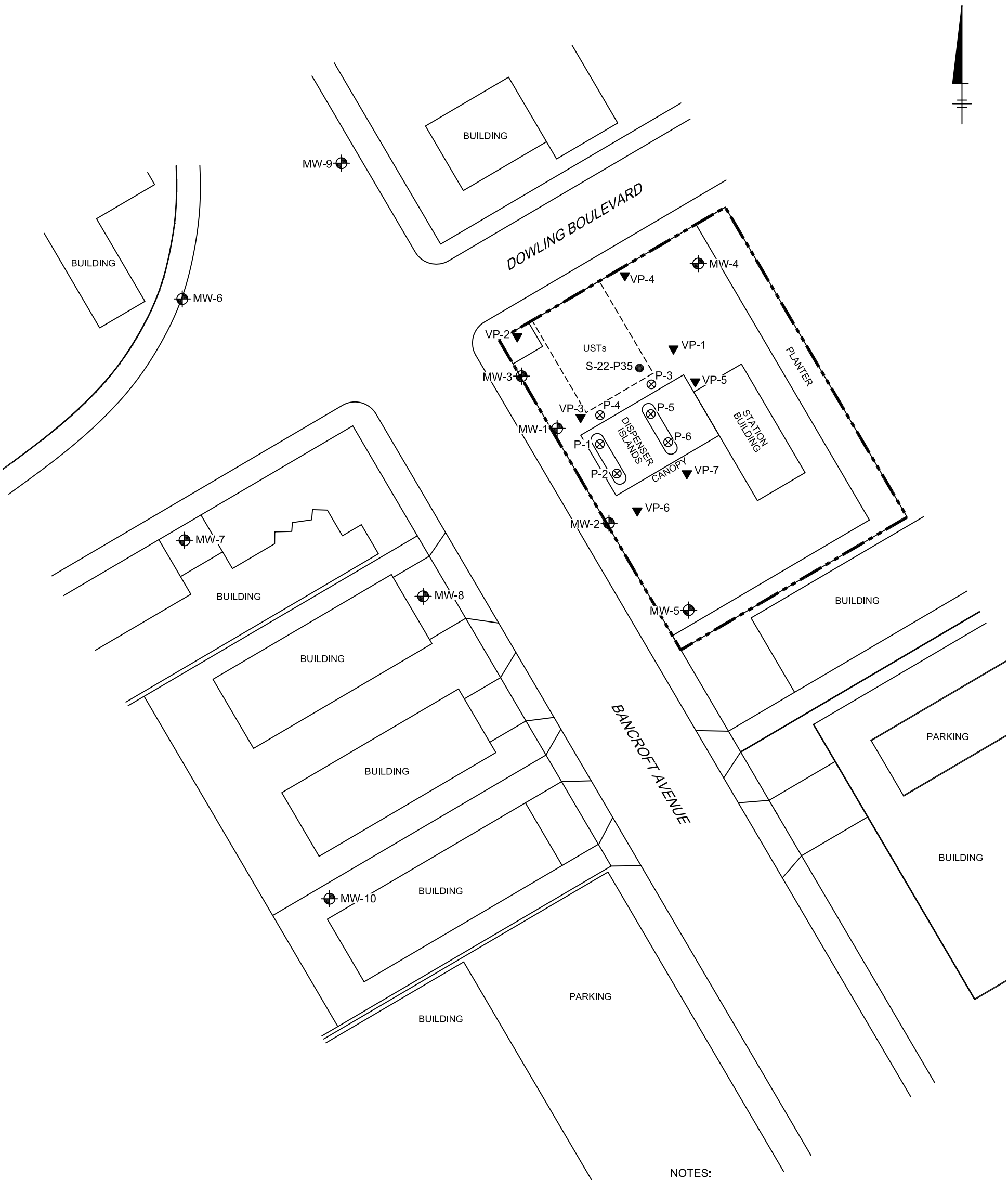

NOTES:

1. BASE MAP PROVIDED BY CRA, DATED 2/3/2011. BASED ON A MAP PROVIDED BY DELTA CONSULTANTS, FIGURE 2, TITLED "SITE PLAN", DATED 12/15/2010.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

0 40' 80'
GRAPHIC SCALE

LEGEND

- PROPERTY BOUNDARY
- MW-1 MONITORING WELL
- S-22-P35 TANK PIT SAMPLE LOCATION
- P-1 PRODUCT LINE SAMPLE LOCATION
- VP-1 VAPOR POINT

UNION OIL COMPANY OF CALIFORNIA
76 SERVICE STATION 35-1563
500 BANCROFT AVENUE
SAN LEANDRO, CALIFORNIA

SITE PLAN

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FIGURE
2

CITY: PETALUMA, CA DIV/GROUP: ENV DB: J. HARRIS
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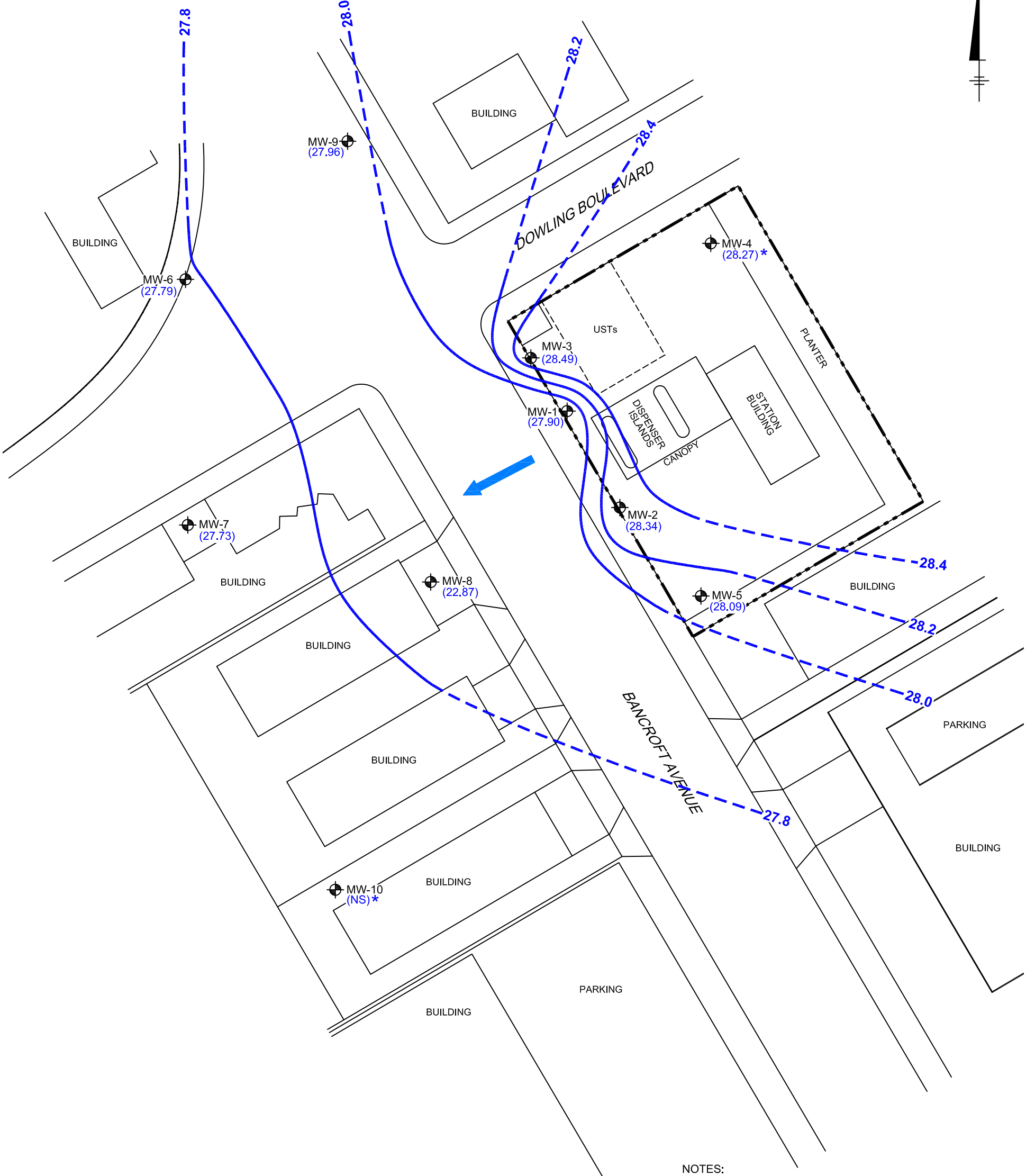

NOTES:

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2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

0 40' 80'
GRAPHIC SCALE

LEGEND

- PROPERTY BOUNDARY
- MW-1 MONITORING WELL
- (27.90) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT AMSL)
- 27.8 GROUNDWATER ELEVATION CONTOUR IN FT AMSL (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION AND HYDRAULIC GRADIENT OF 0.005 FOOT PER FOOT
- (NS) NOT SAMPLED
- * NOT USED IN CONTOURING

UNION OIL COMPANY OF CALIFORNIA
76 SERVICE STATION 35-1563
500 BANCROFT AVENUE
SAN LEANDRO, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP AUGUST 16, 2012

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FIGURE 3

CITY: PETALUMA, CA DIV/GROUP: ENV DB: J. HARRIS
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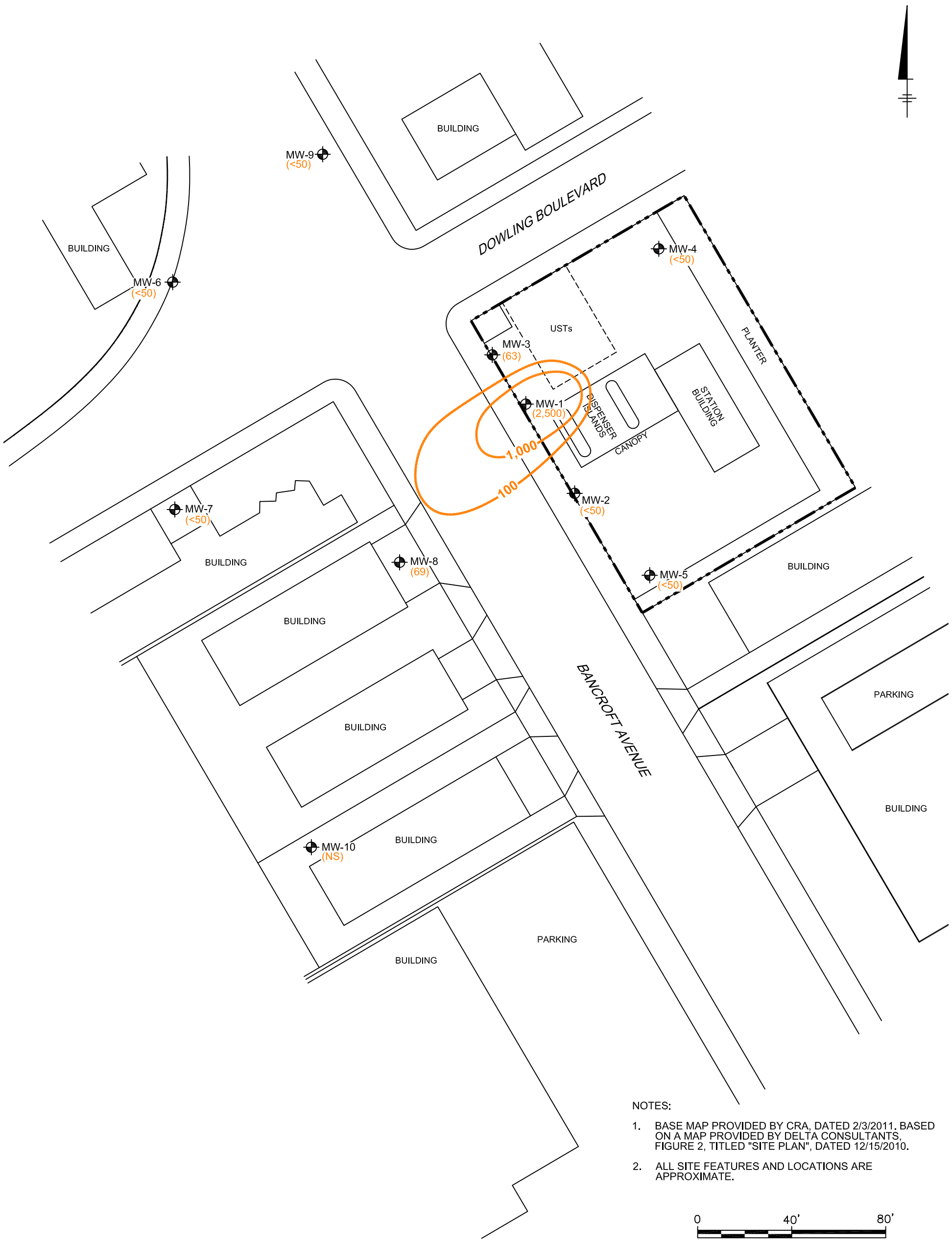

NOTES:

1. BASE MAP PROVIDED BY CRA, DATED 2/3/2011. BASED ON A MAP PROVIDED BY DELTA CONSULTANTS, FIGURE 2, TITLED "SITE PLAN", DATED 12/15/2010.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

0 40' 80'
GRAPHIC SCALE

LEGEND

- PROPERTY BOUNDARY
- MW-1 — MONITORING WELL
- (69) — TPH-G CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- 100 — TPH-G CONCENTRATION CONTOUR IN µg/L, DASHED WHERE INFERRED
- (NS) — MONITORING WELL NOT SAMPLED
- TPH-G — TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- < — DETECTED BELOW LABORATORY REPORTING LIMIT

UNION OIL COMPANY OF CALIFORNIA
76 SERVICE STATION 35-1563
500 BANCROFT AVENUE
SAN LEANDRO, CALIFORNIA

TPH-G ISOCONCENTRATION CONTOUR MAP AUGUST 16, 2012

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FIGURE 4

CITY: PETALUMA, CA DIV/GROUP: ENV DB: J. HARRIS
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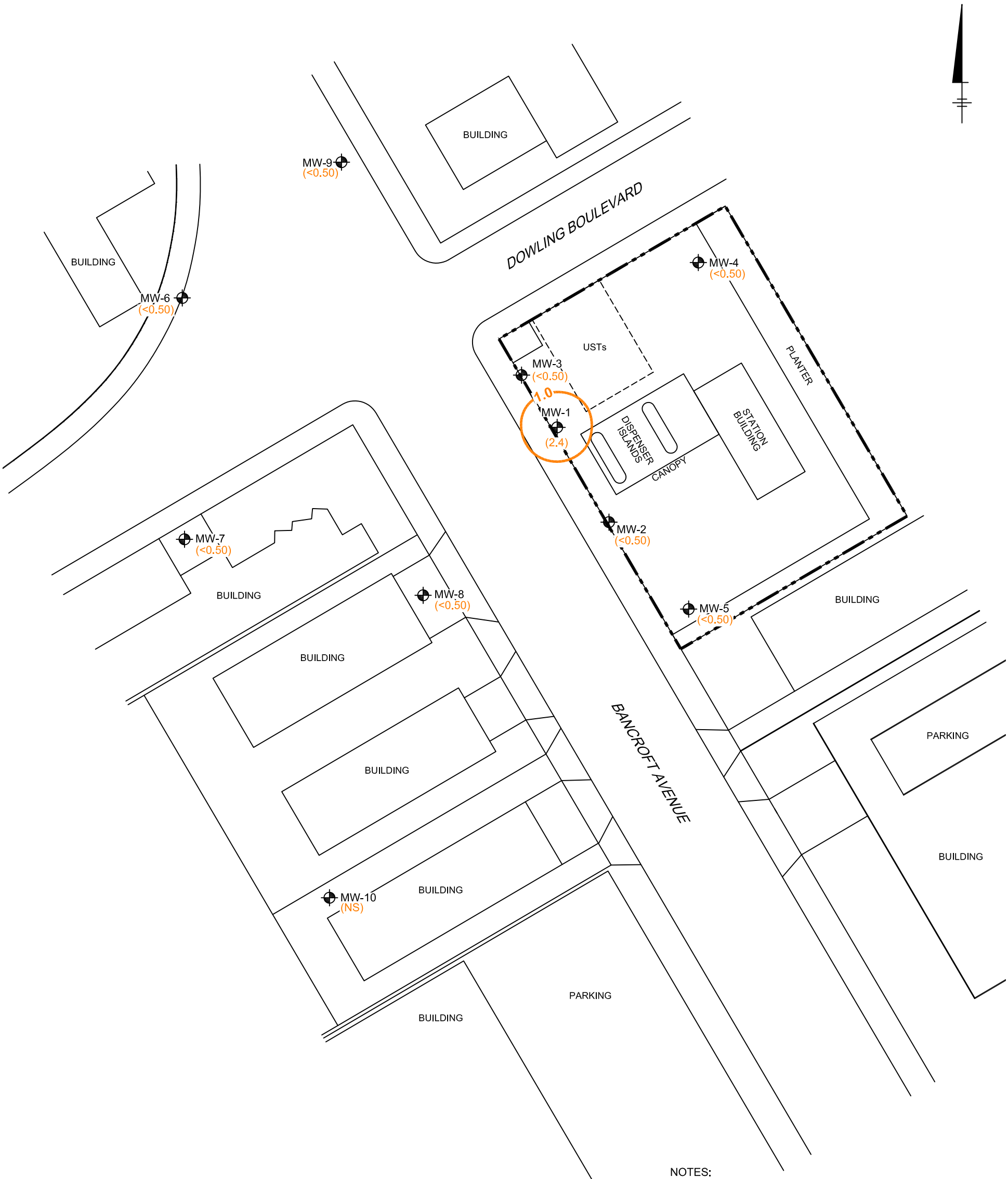

NOTES:

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2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

0 40' 80'
GRAPHIC SCALE

LEGEND

- PROPERTY BOUNDARY
- MW-1 MONITORING WELL
- (2.4) BENZENE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- 1.0 BENZENE CONCENTRATION CONTOUR IN µg/L, DASHED WHERE INFERRED
- (NS) MONITORING WELL NOT SAMPLED
- < DETECTED BELOW LABORATORY REPORTING LIMIT

UNION OIL COMPANY OF CALIFORNIA
76 SERVICE STATION 35-1563
500 BANCROFT AVENUE
SAN LEANDRO, CALIFORNIA

BENZENE ISOCONCENTRATION CONTOUR MAP AUGUST 16, 2012

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FIGURE 5

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Table

Table 1
Current Groundwater Gauging and Analytical Results
Unocal Site 5367
500 Bancroft Avenue, San Leandro, California

Well ID	Date Sampled	TOC Elevation (ft amsl)	DTW (ft btoc)	LPH Thickness (ft)	GW Elevation (ft amsl)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Ethanol (µg/L)	Comments
MW-1	8/16/2012	57.83	29.93	--	27.90	**2,500**	**2.4**	<0.50	**110**	**10**	<0.5	<0.50	<0.50	<250	
MW-2	8/16/2012	58.13	29.79	--	28.34	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-3	8/16/2012	57.92	29.43	--	28.49	**63**	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-4	8/16/2012	58.29	30.02	--	28.27	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-5	8/16/2012	58.50	30.41	--	28.09	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-6	8/16/2012	56.96	29.17	--	27.79	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-7	8/16/2012	57.25	29.52	--	27.73	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-8	8/16/2012	57.71	29.84	--	27.87	**69**	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-9	8/16/2012	56.47	28.51	--	27.96	<50	<0.50	<0.50	<0.50	<1.0	<0.5	<0.50	<0.50	<250	
MW-10	8/16/2012	58.94	--	--	--	--	--	--	--	--	--	--	--	--	Not accessible

Notes

Analytical results given in micrograms per liter (µg/l) unless otherwise noted
-- = Not sampled or not applicable
Bold = Result detected above laboratory reporting limit

Standard Abbreviations

<	not detected at or above laboratory detection limit
µg/l	micrograms per liter (approx. equivalent to parts per billion, ppb)
ft	feet
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
EDB	1,2-dibromoethane
EDC	1,2-dichloroethane (same as ethylene dichloride)

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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 22, 2012

TO: Katherine Brandt, ARCADIS
Andrea Valdivia, ARCADIS
Angeline Tan, ARCADIS
Tamera Rogers, ARCADIS

SITE: Unocal Site 5367
Facility 351563
500 Bancroft Ave, San Leandro, 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 16, 2012. 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 949-727-7345 if you have questions.

Sincerely,

TRC

Christina Carrillo
Groundwater Program Coordinator

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. The pump intake is initially set at about 5 feet below the level of water in the casing, and is lowered as needed to compensate for falling water level. Pump depths are recorded in Field Notes.

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. Vickers Job #/Task #: 189791.0035.1563 Date: 8/16/12

Site # 5367 Project Manager AF Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-4	✓	0614	48.15	30.02	—	—	0813	4"
MW-3	✓	0621	47.87	29.43	—	—	0844	4"
MW-2	✓	0627	46.70	29.79	—	—	0913	4"
MW-5	✓	0633	44.22	30.41	—	—	1101	2"
MW-9	✓	0659	44.55	28.51	—	—	1006	2"
MW-6	✓	0639	44.24	29.17	—	—	1134	2"
MW-8	✓	1023	43.89	29.84	—	—	1038	2"
MW-7	✓	0648	41.96	29.52	—	—	1215	2"
MW-1	✓	0710	35.11	29.93	—	—	0931	2"

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

MANIFEST DRUM INVENTORY TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Villers

Site: 5367 Project No.: 189791.0035.1563 Date: 8/16/12

Well No. MW-7 Purge Method: AV ~~Sub~~ HB

Depth to Water (feet): 29.52 Depth to Product (feet): —

Total Depth (feet) 41.96 LPH & Water Recovered (gallons): —

Water Column (feet): 12.44 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 32.01 1 Well Volume (gallons): 3

Time Start	Time Stop	Pump Depth (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
1150			3	521.1	19.2	6.86			
			6	519.3	18.8	6.81			
	1211		9	517.4	18.1	6.81			

Static at Time Sampled	Total Gallons Purged	Sample Time
29.54	9	1215

Comments:

Well No. MW-1 Purge Method: HB

Depth to Water (feet): 29.93 Depth to Product (feet): —

Total Depth (feet) 35.11 LPH & Water Recovered (gallons): —

Water Column (feet): 5.18 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 30.97 1 Well Volume (gallons): 1

Time Start	Time Stop	Pump Depth (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0919		35	1	733.8	18.3	6.50			
		↓	2	750.7	18.3	6.53			
	0926	↓	3	762.7	18.3	6.52			

Static at Time Sampled	Total Gallons Purged	Sample Time
30.00	3	0931

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vickers

Site: 5367 Project No.: 18471.0035.1563 Date: 8/16/12

Well No. MW-9 Purge Method: Sub

Depth to Water (feet): 28.51 Depth to Product (feet): —

Total Depth (feet) 44.55 LPH & Water Recovered (gallons): —

Water Column (feet): 16.04 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 31.72 1 Well Volume (gallons): 3

Time Start	Time Stop	Pump Depth (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0953		34	3	541.7	18.0	6.97			
		↓	6	543.9	17.9	6.94			
	0958		9	545.4	18.0	6.88			

Static at Time Sampled	Total Gallons Purged	Sample Time
28.54	9	1006

Comments:

Well No. MW-6 Purge Method: Sub

Depth to Water (feet): 29.17 Depth to Product (feet): —

Total Depth (feet) 44.24 LPH & Water Recovered (gallons): —

Water Column (feet): 15.07 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 32.18 1 Well Volume (gallons): 3

Time Start	Time Stop	Pump Depth (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
1121			3	540.1	20.2	6.84			
			6	542.0	19.9	6.79			
	1126		9	542.1	20.0	6.78			

Static at Time Sampled	Total Gallons Purged	Sample Time
29.19	9	1134

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vidaurs

Site: 5367 Project No.: 189791.0035.1563 Date: 8/16/12

Well No. MW-8 Purge Method: Sub

Depth to Water (feet): 29.84 Depth to Product (feet): —

Total Depth (feet) 43.89 LPH & Water Recovered (gallons): —

Water Column (feet): 14.05 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 32.65 1 Well Volume (gallons): 3

Time Start	Time Stop	Pump Depth (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
1026			3	563.5	18.9	6.74			
			6	569.7	18.7	6.70			
	1032		9	571.3	18.8	6.67			

Static at Time Sampled	Total Gallons Purged	Sample Time
29.89	9	1038

Comments: Gauged out of order, car parked on well.

Well No. Purge Method:

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

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

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

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

Time Start	Time Stop	Pump Depth (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									

Static at Time Sampled	Total Gallons Purged	Sample Time

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vickers

Site: 5367 Project No.: 18979.0035.1563 Date: 8/16/12

Well No. MW-4 Purge Method: Sub

Depth to Water (feet): 30.02 Depth to Product (feet): —

Total Depth (feet) 48.15 LPH & Water Recovered (gallons): —

Water Column (feet): 18.13 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 32.65 1 Well Volume (gallons): ~~4~~ 13

Time Start	Time Stop	Pump Depth (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0754		35	~~4~~ 13	593.9	18.0	6.39			
		↓	18 26	594.4	18.0	6.40			
	0808	↓	27 39	594.3	18.0	6.38			

Static at Time Sampled	Total Gallons Purged	Sample Time
30.21	39	0813

Comments:

Well No. MW-3 Purge Method: Sub

Depth to Water (feet): 29.43 Depth to Product (feet): —

Total Depth (feet) 47.87 LPH & Water Recovered (gallons): —

Water Column (feet): 18.44 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 33.12 1 Well Volume (gallons): 13

Time Start	Time Stop	Pump Depth (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0823		35	13	615.4	18.6	6.49			
		↓	26	608.9	18.7	6.49			
	0838	↓	39	619.4	18.8	6.49			

Static at Time Sampled	Total Gallons Purged	Sample Time
29.93	39	0844

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vickers

Site: 5367 Project No.: 18971.0035.1563 Date: 8/16/12

Well No. MW-2 Purge Method: SUB

Depth to Water (feet): 29.79 Depth to Product (feet): —

Total Depth (feet) 46.70 LPH & Water Recovered (gallons): —

Water Column (feet): 16.91 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 33.17 1 Well Volume (gallons): 12

Time Start	Time Stop	Pump Depth (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0855		35	12	599.6	18.7	6.65			
		↓	24	601.4	18.8	6.57			
	0907	↓	36	600.8	18.8	6.53			

Static at Time Sampled	Total Gallons Purged	Sample Time
30.37	36	0913

Comments:

Well No. MW-5 Purge Method: SUB

Depth to Water (feet): 30.41 Depth to Product (feet): —

Total Depth (feet) 44.22 LPH & Water Recovered (gallons): —

Water Column (feet): 13.81 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 33.17 1 Well Volume (gallons): 3

Time Start	Time Stop	Pump Depth (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
AV ~~08~~ 1050		35	3	611.5	19.4	6.82			
		↓	6	612.4	19.2	6.77			
	1056	↓	9	612.8	19.0	6.72			

Static at Time Sampled	Total Gallons Purged	Sample Time
30.57	9	1101

Comments:

TRC

STATEMENT OF NON-COMPLETION OF JOB

DATE OF EVENT: 8/16/12 SITE ID: 5367

TECH: A. Withers CALLED SUPERVISOR: YES / NO

CALLED PM: YES / NO NAME OF PM:

WELL ID: MW-10

No Access agreement

WELL ID:

WELL ID:

TRC

WELL BOX CONDITION REPORT

SITE NO. 5367

ADDRESS 500 Bancroft Ave. San Leandro, CA

DATE 8/16/12

PERFOMED BY: A. Withers

PAGE 1 OF 1

Well Name	Current Well Box Size	# of Ears	# of Slipped 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-4	12"	2																		ok
MW-3	2'x3'	2																		ok
MW-2	2'x3'	2																		ok
MW-5	12"	2																		ok
MW-9	12"	2														X				ok
MW-6	12"	2																		ok
MW-8																				
MW-7	12"	2																		ok
MW-1	1'x2'	2																		ok

TRC

CHAIN OF CUSTODY FORM

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

COC ________ of ________

Union Oil Site ID: 5367	Union Oil Consultant: [illegible]
Site Global ID: [illegible]	Consultant Contact: [illegible]
Site Address: [illegible]	Consultant Phone No.: [illegible]
	Sampling Company: TRC
Union Oil PM: [illegible]	Sampled By (PRINT): [illegible]
Union Oil PM Phone No.: [illegible]	Sampler Signature: [signature]
Charge Code: NWRTB- 0 53 - 523 **-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.	

ANALYSES REQUIRED

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

Special Instructions

SAMPLE ID: Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015	TPH - G by GC/MS	BTEX/MTBE/~~OXYS~~ by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	[illegible] 8260B						Notes / Comments
MW-1	W-S-A		120816	0838	3		X	X	X		X						
MW-2	W-S-A		↓	0915	↓		↓	↓	↓		↓						
MW-3	W-S-A		↓	0944	↓		↓	↓	↓		↓						
MW-4	W-S-A		↓	1013	↓		↓	↓	↓		↓						
MW-5	W-S-A		↓	1101	↓		↓	↓	↓		↓						
MW-6	W-S-A		↓	1134	↓		↓	↓	↓		↓						
MW-7	W-S-A		↓	1215	↓		↓	↓	↓		↓						
MW-8	W-S-A		↓	1238	↓		↓	↓	↓		↓						
MW-9	W-S-A		↓	1250	↓		↓	↓	↓		↓						
	W-S-A																
	W-S-A																
	W-S-A																

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time :	Relinquished By	Company	Date / Time:
[signature]	TRC	8/17/12 1205						
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time :**	**Received By**	**Company**	**Date / Time:**
[signature]	BC Lab	8-17-12 1205						

TRC SOLUTIONS

TECHNICAL SERVICES REQUEST FORM

30-Jul-12

Site ID:	5367	**Project No.:**	189791.0035.1563 / 00TA01
Address	500 Bancroft Avenue	**Client:**	Roya Kambin
City:	San Leandro	**Contact #:**	925-790-6270
Cross Street	Dowling Blvd.	**PM:**	Kathy Brandt Arcadis
		PM Contact #:	510-596-9675

Total number of wells:	10	**Min. Well Diameter (in.):**	2	**# of Techs, # of Hrs:**	1, 9
Depth to Water (ft.):	31	**Max. Well Diameter (in.):**	4	**Travel Time (hrs):**	
		Max. Well Depth (ft):	48	**Hotel PO#:**	

ACTIVITIES:		**Frequency**	**Notes**
Gauging:	☑	Semi Q1/Q3	
Purge/Sampling:	☑	Semi Q1/Q3	
No Purge/Sampl	☐		

RELATED ACTIVITIES		**Note**
Drums:	☑	
Other Activities:	☐	
Traffic Control:	☑	City of San Leandro

PERMIT INFORMATION:

Notify inspector 24 hours prior to work, 510-577-3308.

NOTIFICATIONS:

Bancroft 76.: 510-562-9848

Well MW-7
- Mary Durkin: 510-357-6255 (1 week notification)
- Sports Medicine Clinic (510) 346-0711. The clinic is open M/W/F.

SITE INFORMATION:

MW-10: Do not gauge/sample. No access agreement.

call william semel (Arcadis)
for irrigation well
510 596 9527

TRC SOLUTIONS
TECHNICAL SERVICES REQUEST FORM

30-Jul-12

Site ID:	5367	**Project No.:**	189791.0035.1563 / 00TA01	
Address	500 Bancroft Avenue	**Client:**	Roya Kambin	
City:	San Leandro	**Contact #:**	925-790-6270	
Cross Street	Dowling Blvd.	**PM:**	Kathy Brandt	Arcadis
		PM Contact #:	510-596-9675	

LAB INFORMATION:

Global ID: T0600101479

Lab WO: 351563

Lab Used: BC Labs

Lab Notes: Lab Analyses:
TPH-G by GC/MS, BTEX/MTBE by 8260B, Ethanol by 8260B, EDB/EDC by 8260B [Containers: 3 voas w/ HCl]

TRC SOLUTIONS

TECHNICAL SERVICES REQUEST FORM

30-Jul-12

Site ID.: 5367
Address 500 Bancroft Avenue
City: San Leandro
Cross Street Dowling Blvd.

			Gauging				Sampling				Field Measurements			
Well IDs	**Benz.**	**MTBE**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Pre-Purge**	**Post-Purge**	**Type**	**Comments**
MW-9	0	0	☑	☐	☑	☐	☑	☐	☑	☐	☐	☐		2" casing
MW-8	0	0	☑	☐	☑	☐	☑	☐	☑	☐	☐	☐		2" casing
MW-7	0	0	☑	☐	☑	☐	☑	☐	☑	☐	☐	☐		2" casing
MW-6	0	0	☑	☐	☑	☐	☑	☐	☑	☐	☐	☐		2" casing
MW-5	0	0	☑	☐	☑	☐	☑	☐	☑	☐	☐	☐		2" casing
MW-4	0	0	☑	☐	☑	☐	☑	☐	☑	☐	☐	☐		4" casing
MW-3	0	0	☑	☐	☑	☐	☑	☐	☑	☐	☐	☐		4" casing
MW-2	0	0	☑	☐	☑	☐	☑	☐	☑	☐	☐	☐		4" casing
MW-10	0	0	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		2" casing
MW-1	3.2	0	☑	☐	☑	☐	☑	☐	☑	☐	☐	☐		2" casing

ARCADIS

Attachment B

Historical Groundwater
Results from TRC

TABLE KEY

STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)
D	=	duplicate
P	=	no-purge sample

ANALYTES

DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-G (GC/MS)	=	total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation – Measured Depth to Water + (Dp x LPH Thickness), where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Prior to the 1st quarter 2010, the word "monitor" was used in table comments interchangeably with the word "gauge". Starting in the 1st quarter 2010, the word "monitor" is used to include both "gauge" and "sample".

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 5367 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Table 2
HISTORICT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 17, 2011
76 Station 5367

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															
9/23/1987	57.83	33.40	0	24.43	--	--	--	--	--	--	--	--	--	--	
9/24/1987	57.83	33.24	0.01	24.60	0.17	--	--	--	--	--	--	--	--	--	
10/6/1987	57.83	33.39	0.01	24.45	-0.15	--	--	--	--	--	--	--	--	--	
11/5/1987	57.83	34.14	0.31	23.92	-0.52	--	--	--	--	--	--	--	--	--	
11/13/1987	57.83	34.15	0.38	23.97	0.04	--	--	--	--	--	--	--	--	--	
11/19/1987	57.83	33.89	0.06	23.99	0.02	--	--	--	--	--	--	--	--	--	
4/27/1988	57.83	32.40	0.01	25.44	1.45	--	--	--	--	--	--	--	--	--	
9/7/1988	57.83	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
10/3/1988	57.83	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
1/27/1989	57.83	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
2/16/1990	57.83	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
7/19/1990	57.83	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
8/24/1990	57.83	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
11/30/1990	57.83	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
2/6/1991	57.83	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
5/6/1991	57.83	33.00	0	24.83	--	--	--	--	--	--	--	--	--	--	
9/27/1991	57.83	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/31/1992	57.83	31.00	0	26.83	--	330000	--	8200	33000	6800	36000	--	--	--	
6/18/1992	57.83	32.76	0	25.07	-1.76	680000	--	9000	40000	7600	44000	--	--	--	
10/16/1992	57.83	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
11/18/1992	57.83	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/3/1993	57.83	26.03	0	31.80	--	330000	--	3800	21000	4200	24000	--	--	--	
6/25/1993	57.83	28.36	0	29.47	-2.33	160000	--	4300	36000	5800	34000	--	--	--	
9/3/1993	57.83	30.80	0	27.03	-2.44	160000	--	3900	41000	6800	38000	--	--	--	
12/13/1993	57.83	32.73	0	25.10	-1.93	140000	--	3600	37000	7100	40000	--	--	--	
3/18/1994	57.83	30.10	0	27.73	2.63	99000	--	3800	37000	6800	36000	--	--	--	
6/23/1994	57.83	31.32	0	26.51	-1.22	150000	--	2500	33000	6400	37000	--	--	--	
9/21/1994	57.83	33.21	0	24.62	-1.89	110000	--	2500	23000	4500	25000	--	--	--	
12/19/1994	57.83	30.97	0	26.86	2.24	200000	--	2400	28000	6600	37000	--	--	--	
3/27/1995	57.83	22.77	0	35.06	8.20	88000	--	1500	20000	4200	25000	--	--	--	
6/26/1995	57.83	25.69	0	32.14	-2.92	130000	--	1000	23000	5600	33000	--	--	--	
7/28/1995	57.83	26.97	0	30.86	-1.28	--	--	--	--	--	--	--	--	--	

Table 2
HISTORICT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 17, 2011
76 Station 5367

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
9/28/1995	57.83	29.55	0	28.28	-2.58	100000	--	810	21000	6500	37000	--	--	--	
10/24/1995	57.83	29.99	0	27.84	-0.44	--	--	--	--	--	--	--	--	--	
12/29/1995	57.83	30.40	0	27.43	-0.41	110000	--	990	22000	8300	47000	--	--	--	
3/27/1996	57.83	22.29	0	35.54	8.11	120000	--	920	17000	7100	41000	180	180	--	
9/21/1996	57.83	29.44	0	28.39	-7.15	110000	--	270	3500	5900	16000	260	260	--	
3/31/1997	57.83	24.18	0	33.65	5.26	82000	--	240	8700	3800	23000	ND	--	--	
9/27/1997	57.83	31.86	0	25.97	-7.68	81000	--	ND	1000	5900	31000	ND	--	--	
3/20/1998	57.83	16.88	0	40.95	14.98	52000	--	ND	350	2900	14000	ND	--	--	
9/9/1998	57.83	26.21	0	31.62	-9.33	59000	--	51	64	6000	4800	ND	--	--	
3/11/1999	57.83	23.60	0	34.23	2.61	60000	--	130	ND	2900	12000	ND	--	--	
9/8/1999	57.83	28.70	0	29.13	-5.10	74000	--	ND	ND	2600	10000	ND	--	--	
3/24/2000	57.83	21.61	0	36.22	7.09	37000	--	ND	ND	1980	6880	ND	--	--	
9/15/2000	57.83	28.19	0	29.64	-6.58	45800	--	ND	ND	3150	10500	ND	--	--	
3/16/2001	57.83	25.59	0	32.24	2.60	37500	--	76.2	16.6	2010	7330	ND	--	--	
8/31/2001	57.83	29.03	0	28.80	-3.44	62000	--	79	ND<50	3000	13000	ND<250	--	--	
3/15/2002	57.83	25.58	0	32.25	3.45	26000	--	43	22	2400	10000	ND<100	--	--	
9/26/2002	57.83	29.51	0	28.32	-3.93	--	56000	31	ND<25	2500	11000	--	ND<100	--	
3/16/2003	57.83	26.71	0	31.12	2.80	--	43000	ND<250	ND<250	2200	6800	--	ND<1000	--	
9/3/2003	57.83	29.54	0	28.29	-2.83	--	55000	ND<50	ND<50	2200	4200	--	ND<200	--	
3/11/2004	57.83	25.57	0	32.26	3.97	--	23000	10	ND<5.0	1100	2100	--	ND<20	--	
9/24/2004	57.83	31.20	0	26.63	-5.63	--	29000	15	ND<10	1900	1100	--	ND<10	--	
3/29/2005	57.83	23.38	0	34.45	7.82	--	26000	15	ND<10	990	260	--	ND<10	--	
9/12/2005	57.83	28.13	0	29.70	-4.75	--	15000	13	1.3	1100	110	--	0.93	--	
3/27/2006	57.83	21.38	0	36.45	6.75	--	11000	7.6	1.0	590	90	--	ND<0.50	--	
9/8/2006	57.83	26.73	0	31.10	-5.35	--	9000	4.7	4.0	460	82	--	ND<0.50	--	
1/29/2007	57.83	28.63	0	29.20	-1.90	--	10000	9.2	ND<5.0	990	310	--	ND<5.0	--	
7/2/2007	57.83	29.53	0	28.30	-0.90	--	8800	10	ND<6.2	910	170	--	ND<6.2	--	
1/14/2008	57.83	29.19	0	28.64	0.34	--	8400	12	ND<6.2	960	88	--	ND<6.2	--	
9/2/2008	57.83	31.88	0	25.95	-2.69	--	8300	7.7	ND<5.0	850	56	--	ND<5.0	--	
3/13/2009	57.83	27.43	0	30.40	4.45	--	9600	6.1	ND<5.0	970	160	--	ND<5.0	--	
9/1/2009	57.83	31.77	0	26.06	-4.34	--	12000	17	ND<5.0	590	16	--	21	--	
1/26/2010	57.83	28.68	0	29.15	3.09	--	8100	5.5	ND<5.0	730	ND<10	--	ND<5.0	--	
9/30/2010	57.83	30.63	0	27.20	-1.95	--	6600	6.9	ND<5.0	510	38	--	ND<5.0	--	

Table 2
HISTORICT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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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
3/17/2011	57.83	25.42	0	32.41	5.21	--	4900	ND<5.0	ND<5.0	440	27	--	ND<5.0	--	
MW-2															
10/3/1988	58.13	36.04	0	22.09	--	1760	--	47.8	7.4	20.9	81.6	--	--	--	
1/27/1989	58.13	34.77	0	23.36	1.27	510	--	58	8.7	22.6	20.3	--	--	--	
2/16/1990	58.13	34.50	0	23.63	0.27	840	--	50	0.5	28	44	--	--	--	
5/1/1990	58.13	--	--	--	--	1000	--	39	ND	32	52	--	--	--	
7/19/1990	58.13	35.72	0	22.41	--	--	--	--	--	--	--	--	--	--	
8/24/1990	58.13	36.30	0	21.83	-0.58	330	--	17	ND	19	20	--	--	--	
11/30/1990	58.13	37.40	0	20.73	-1.10	400	--	41	ND	39	37	--	--	--	
2/7/1991	58.13	37.27	0	20.86	0.13	510	--	40	ND	29	44	--	--	--	
5/6/1991	58.13	33.31	0	24.82	3.96	2300	--	150	10	52	110	--	--	--	
9/27/1991	58.13	36.86	0	21.27	-3.55	110	--	2.6	ND	5.6	5.1	--	--	--	
12/27/1991	58.13	37.66	0	20.47	-0.80	170	--	3.9	ND	7.3	60	--	--	--	
3/31/1992	58.13	37.66	0	20.47	0.00	--	--	--	--	--	--	--	--	--	
6/18/1992	58.13	31.27	0	26.86	6.39	1200	--	35	1.6	56	26	--	--	--	
9/30/1992	58.13	--	--	--	--	820	--	21	ND	42	25	--	--	--	
10/16/1992	58.13	35.87	0	22.26	--	--	--	--	--	--	--	--	--	--	
11/18/1992	58.13	36.24	0	21.89	-0.37	65	--	1.2	ND	2.8	1.4	--	--	--	
3/3/1993	58.13	26.30	0	31.83	9.94	4200	--	62	2.9	97	120	--	--	--	
6/25/1993	58.13	28.40	0	29.73	-2.10	4000	--	110	ND	320	280	--	--	--	
9/3/1993	58.13	31.10	0	27.03	-2.70	1400	--	31	4.3	99	53	--	--	--	
12/13/1993	58.13	33.03	0	25.10	-1.93	260	--	7.7	0.83	17	23	--	--	--	
3/18/1994	58.13	30.34	0	27.79	2.69	250	--	6.4	0.64	28	24	--	--	--	
6/23/1994	58.13	31.63	0	26.50	-1.29	420	--	3.9	0.66	23	11	--	--	--	
9/21/1994	58.13	33.52	0	24.61	-1.89	ND	--	ND	ND	ND	ND	--	--	--	
12/19/1994	58.13	31.26	0	26.87	2.26	190	--	1.9	ND	15	6.8	--	--	--	
3/27/1995	58.13	23.02	0	35.11	8.24	ND	--	ND	0.55	1.2	2.5	--	--	--	
6/26/1995	58.13	25.98	0	32.15	-2.96	ND	--	ND	0.93	0.88	3.4	--	--	--	
7/28/1995	58.13	27.26	0	30.87	-1.28	--	--	--	--	--	--	--	--	--	
9/28/1995	58.13	29.77	0	28.36	-2.51	730	--	2.9	--	41	29	--	--	--	
10/24/1995	58.13	30.56	0	27.57	-0.79	--	--	--	--	--	--	--	--	--	
12/29/1995	58.13	30.25	0	27.88	0.31	860	--	4.3	1	27	50	--	--	--	
3/27/1996	58.13	22.30	0	35.83	7.95	--	--	--	--	--	--	--	--	--	Connected to system

Table 2
HISTORICT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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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
9/21/1996	58.13	29.47	0	28.66	-7.17	--	--	--	--	--	--	--	--	--	Connected to system
3/31/1997	58.13	24.20	0	33.93	5.27	ND	--	ND	ND	ND	ND	ND	--	--	
9/27/1997	58.13	31.07	0	27.06	-6.87	ND	--	ND	ND	ND	ND	ND	--	--	
3/20/1998	58.13	16.73	0	41.40	14.34	ND	--	ND	ND	ND	ND	ND	--	--	
9/9/1998	58.13	26.03	0	32.10	-9.30	ND	--	ND	0.54	ND	0.57	ND	--	--	
3/11/1999	58.13	23.46	0	34.67	2.57	ND	--	ND	0.59	ND	1.1	ND	--	--	
9/8/1999	58.13	28.53	0	29.60	-5.07	ND	--	ND	ND	ND	ND	ND	--	--	
3/24/2000	58.13	21.45	0	36.68	7.08	ND	--	ND	ND	ND	ND	ND	--	--	
9/15/2000	58.13	28.02	0	30.11	-6.57	ND	--	ND	ND	ND	ND	ND	--	--	
3/16/2001	58.13	25.41	0	32.72	2.61	ND	--	ND	ND	ND	ND	ND	--	--	
8/31/2001	58.13	28.74	0	29.39	-3.33	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--	
3/15/2002	58.13	25.45	0	32.68	3.29	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--	
9/26/2002	58.13	29.36	0	28.77	-3.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
3/16/2003	58.13	26.58	0	31.55	2.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
9/3/2003	58.13	29.34	0	28.79	-2.76	--	ND<50	ND<0.50	0.71	ND<0.50	ND<1	--	ND<2	--	
3/11/2004	58.13	25.41	0	32.72	3.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
9/24/2004	58.13	31.05	0	27.08	-5.64	--	66	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/29/2005	58.13	23.25	0	34.88	7.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/12/2005	58.13	27.98	0	30.15	-4.73	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/27/2006	58.13	21.22	0	36.91	6.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/8/2006	58.13	26.56	0	31.57	-5.34	--	56	ND<0.50	ND<0.50	0.71	ND<0.50	--	ND<0.50	--	
1/29/2007	58.13	28.46	0	29.67	-1.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
7/2/2007	58.13	29.37	0	28.76	-0.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
1/14/2008	58.13	28.95	0	29.18	0.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/2/2008	58.13	31.72	0	26.41	-2.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/13/2009	58.13	27.26	0	30.87	4.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/1/2009	58.13	31.61	0	26.52	-4.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
1/26/2010	58.13	28.51	0	29.62	3.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/30/2010	58.13	30.48	0	27.65	-1.97	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/17/2011	58.13	25.25	0	32.88	5.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
MW-3															
10/3/1988	57.92	35.86	0	22.06	--	61000	--	1060	3380	1520	8720	--	--	--	
1/27/1989	57.92	34.60	0	23.32	1.26	39000	--	1570	2830	1250	7070	--	--	--	

Table 2
HISTORICT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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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
2/16/1990	57.92	35.23	0	22.69	-0.63	22000	--	710	4100	6900	33000	--	--	--	
5/1/1990	57.92	--	--	--	--	19000	--	330	170	310	1500	--	--	--	
7/19/1990	57.92	35.50	0	22.42	--	--	--	--	--	--	--	--	--	--	
8/24/1990	57.92	36.08	0	21.84	-0.58	19000	--	480	160	510	1500	--	--	--	
11/30/1990	57.92	37.17	0	20.75	-1.09	13000	--	390	81	410	1000	--	--	--	
2/6/1991	57.92	37.07	0	20.85	0.10	13000	--	310	150	380	1200	--	--	--	
5/6/1991	57.92	33.11	0	24.81	3.96	39000	--	1000	570	930	3900	--	--	--	
9/27/1991	57.92	36.64	0	21.28	-3.53	4000	--	160	84	180	560	--	--	--	
12/27/1991	57.92	37.46	0	20.46	-0.82	31000	--	240	280	400	1600	--	--	--	
3/31/1992	57.92	31.10	0	26.82	6.36	100000	--	1900	1900	2300	9400	--	--	--	
6/18/1992	57.92	32.83	0	25.09	-1.73	180000	--	2200	1700	2300	1100	--	--	--	
9/30/1992	57.92	--	--	--	--	36000	--	730	200	1000	4400	--	--	--	
10/16/1992	57.92	35.66	0	22.26	--	--	--	--	--	--	--	--	--	--	
11/18/1992	57.92	36.04	0	21.88	-0.38	24000	--	430	160	640	2800	--	--	--	
3/3/1993	57.92	26.11	0	31.81	9.93	96000	--	1400	1900	1400	8400	--	--	--	
6/25/1993	57.92	28.43	0	29.49	-2.32	27000	--	1200	980	1700	6900	--	--	--	
9/3/1993	57.92	30.88	0	27.04	-2.45	82000	--	2400	3400	4200	21000	--	--	--	
12/13/1993	57.92	32.82	0	25.10	-1.94	49000	--	1300	360	2300	9200	--	--	--	
3/18/1994	57.92	30.17	0	27.75	2.65	22000	--	1200	430	2200	9700	--	--	--	
6/23/1994	57.92	31.42	0	26.50	-1.25	37000	--	1300	670	3100	14000	--	--	--	
9/21/1994	57.92	33.30	0	24.62	-1.88	24000	--	890	110	2200	8800	--	--	--	
12/19/1994	57.92	31.07	0	26.85	2.23	100000	--	1200	2900	4200	23000	--	--	--	
3/27/1995	57.92	22.78	0	35.14	8.29	33000	--	410	66	1600	6500	--	--	--	
6/26/1995	57.92	25.78	0	32.14	-3.00	14000	--	300	ND	1300	3900	--	--	--	
7/28/1995	57.92	27.06	0	30.86	-1.28	--	--	--	--	--	--	--	--	--	
9/28/1995	57.92	29.57	0	28.35	-2.51	17000	--	730	30	4000	8800	--	--	--	
10/24/1995	57.92	30.34	0	27.58	-0.77	--	--	--	--	--	--	--	--	--	
12/29/1995	57.92	29.91	0	28.01	0.43	55000	--	700	ND	4900	16000	--	--	--	
3/27/1996	57.92	21.99	0	35.93	7.92	--	--	--	--	--	--	--	--	--	Connected to system
9/21/1996	57.92	29.15	0	28.77	-7.16	34000	--	140	ND	2200	6600	1800	--	--	
3/31/1997	57.92	23.86	0	34.06	5.29	17000	--	58	110	530	1500	ND	--	--	
9/27/1997	57.92	30.76	0	27.16	-6.90	11000	--	19	ND	850	420	140	--	--	
3/20/1998	57.92	16.39	0	41.53	14.37	ND	--	ND	ND	ND	ND	74	--	--	

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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
9/9/1998	57.92	25.70	0	32.22	-9.31	ND	--	ND	ND	ND	ND	ND	--	--	
3/11/1999	57.92	23.12	0	34.80	2.58	7300	--	ND	ND	320	210	ND	--	--	
9/8/1999	57.92	28.21	0	29.71	-5.09	7900	--	ND	ND	ND	160	ND	--	--	
3/24/2000	57.92	21.12	0	36.80	7.09	3310	--	5.4	ND	101	43.3	ND	--	--	
9/15/2000	57.92	27.68	0	30.24	-6.56	1540	--	ND	ND	56.4	ND	ND	12.6	--	
3/16/2001	57.92	25.09	0	32.83	2.59	678	--	3.14	1	16.4	14.6	42.9	--	--	
8/31/2001	57.92	28.53	0	29.39	-3.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--	
3/15/2002	57.92	25.05	0	32.87	3.48	1500	--	ND<2.50	ND<2.50	43	ND<2.50	ND<12	--	--	
9/26/2002	57.92	28.98	0	28.94	-3.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
3/16/2003	57.92	26.19	0	31.73	2.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
9/3/2003	57.92	29.04	0	28.88	-2.85	--	1300	ND<0.50	0.53	19	ND<1	--	5.9	--	
3/11/2004	57.92	25.03	0	32.89	4.01	--	130	ND<0.50	ND<0.50	1.1	ND<1.0	--	ND<2.0	--	
9/24/2004	57.92	30.70	0	27.22	-5.67	--	640	ND<0.50	ND<0.50	6.5	ND<1.0	--	1.1	--	
3/29/2005	57.92	22.80	0	35.12	7.90	--	73	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/12/2005	57.92	27.63	0	30.29	-4.83	--	160	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.2	--	
3/27/2006	57.92	20.83	0	37.09	6.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/8/2006	57.92	26.21	0	31.71	-5.38	--	65	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
1/29/2007	57.92	28.14	0	29.78	-1.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
7/2/2007	57.92	29.03	0	28.89	-0.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
1/14/2008	57.92	28.64	0	29.28	0.39	--	52	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/2/2008	57.92	31.38	0	26.54	-2.74	--	80	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/13/2009	57.92	26.92	0	31.00	4.46	--	88	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/1/2009	57.92	31.26	0	26.66	-4.34	--	280	ND<0.50	ND<0.50	0.98	ND<1.0	--	ND<0.50	--	
1/26/2010	57.92	28.18	0	29.74	3.08	--	57	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/30/2010	57.92	30.13	0	27.79	-1.95	--	99	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/17/2011	57.92	24.91	0	33.01	5.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
MW-4															
10/3/1988	58.29	36.12	0	22.17	--	ND	--	ND	ND	ND	ND	--	--	--	
1/27/1989	58.29	34.87	0	23.42	1.25	ND	--	ND	ND	ND	ND	--	--	--	
2/16/1990	58.29	35.60	0	22.69	-0.73	ND	--	ND	ND	ND	ND	--	--	--	
5/1/1990	58.29	--	--	--	--	ND	--	ND	ND	0.68	1.4	--	--	--	
7/19/1990	58.29	35.78	0	22.51	--	--	--	--	--	--	--	--	--	--	
8/24/1990	58.29	36.35	0	21.94	-0.57	ND	--	ND	ND	ND	ND	--	--	--	

Table 2
HISTORICT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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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
11/30/1990	58.29	37.46	0	20.83	-1.11	ND	--	ND	ND	ND	1.2	--	--	--	
2/6/1991	58.29	37.40	0	20.89	0.06	ND	--	ND	ND	ND	ND	--	--	--	
5/6/1991	58.29	33.39	0	24.90	4.01	--	--	--	--	--	--	--	--	--	
9/27/1991	58.29	36.90	0	21.39	-3.51	ND	--	ND	ND	ND	ND	--	--	--	
12/27/1991	58.29	37.76	0	20.53	-0.86	ND	--	ND	ND	ND	ND	--	--	--	
3/31/1992	58.29	31.41	0	26.88	6.35	ND	--	ND	ND	ND	ND	--	--	--	
6/18/1992	58.29	33.09	0	25.20	-1.68	ND	--	ND	ND	ND	ND	--	--	--	
10/16/1992	58.29	35.92	0	22.37	-2.83	ND	--	ND	ND	ND	ND	--	--	--	
11/18/1992	58.29	36.33	0	21.96	-0.41	--	--	--	--	--	--	--	--	--	
3/3/1993	58.29	26.43	0	31.86	9.90	68	--	0.9	0.6	ND	1.9	--	--	--	
6/25/1993	58.29	28.60	0	29.69	-2.17	--	--	--	--	--	--	--	--	--	
9/3/1993	58.29	31.05	0	27.24	-2.45	86	--	14	13	1.4	7.1	--	--	--	
12/13/1993	58.29	33.09	0	25.20	-2.04	--	--	--	--	--	--	--	--	--	Sampled semi-annually
3/18/1994	58.29	30.42	0	27.87	2.67	ND	--	ND	ND	ND	ND	--	--	--	
6/23/1994	58.29	31.95	0	26.34	-1.53	--	--	--	--	--	--	--	--	--	
9/21/1994	58.29	33.86	0	24.43	-1.91	ND	--	ND	0.78	ND	0.81	--	--	--	
12/19/1994	58.29	31.72	0	26.57	2.14	--	--	--	--	--	--	--	--	--	
3/27/1995	58.29	23.44	0	34.85	8.28	ND	--	ND	0.79	0.51	3.1	--	--	--	
6/26/1995	58.29	26.26	0	32.03	-2.82	--	--	--	--	--	--	--	--	--	
7/28/1995	58.29	27.53	0	30.76	-1.27	--	--	--	--	--	--	--	--	--	
9/28/1995	58.29	30.05	0	28.24	-2.52	ND	--	ND	ND	ND	ND	--	--	--	
10/24/1995	58.29	30.79	0	27.50	-0.74	--	--	--	--	--	--	--	--	--	
12/29/1995	58.29	30.96	0	27.33	-0.17	--	--	--	--	--	--	--	--	--	
3/27/1996	58.29	22.71	0	35.58	8.25	ND	--	ND	0.7	ND	0.79	ND	--	--	
9/21/1996	58.29	29.88	0	28.41	-7.17	ND	--	ND	ND	ND	ND	ND	--	--	
3/31/1997	58.29	24.72	0	33.57	5.16	ND	--	ND	ND	ND	ND	ND	--	--	
9/27/1997	58.29	31.68	0	26.61	-6.96	ND	--	ND	ND	ND	ND	ND	--	--	
3/20/1998	58.29	17.27	0	41.02	14.41	ND	--	ND	ND	ND	ND	ND	--	--	
9/9/1998	58.29	26.58	0	31.71	-9.31	ND	--	ND	ND	ND	0.65	3	--	--	
3/11/1999	58.29	24.12	0	34.17	2.46	ND	--	ND	0.7	ND	1.2	ND	--	--	
9/8/1999	58.29	29.18	0	29.11	-5.06	ND	--	ND	ND	ND	0.78	ND	--	--	
3/24/2000	58.29	22.08	0	36.21	7.10	ND	--	ND	ND	ND	ND	ND	--	--	
9/15/2000	58.29	28.63	0	29.66	-6.55	ND	--	ND	1.36	ND	1.46	ND	--	--	

Table 2
HISTORICT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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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
11/30/1990	58.29	37.46	0	20.83	-1.11	ND	--	ND	ND	ND	1.2	--	--	--	
2/6/1991	58.29	37.40	0	20.89	0.06	ND	--	ND	ND	ND	ND	--	--	--	
5/6/1991	58.29	33.39	0	24.90	4.01	--	--	--	--	--	--	--	--	--	
9/27/1991	58.29	36.90	0	21.39	-3.51	ND	--	ND	ND	ND	ND	--	--	--	
12/27/1991	58.29	37.76	0	20.53	-0.86	ND	--	ND	ND	ND	ND	--	--	--	
3/31/1992	58.29	31.41	0	26.88	6.35	ND	--	ND	ND	ND	ND	--	--	--	
6/18/1992	58.29	33.09	0	25.20	-1.68	ND	--	ND	ND	ND	ND	--	--	--	
10/16/1992	58.29	35.92	0	22.37	-2.83	ND	--	ND	ND	ND	ND	--	--	--	
11/18/1992	58.29	36.33	0	21.96	-0.41	--	--	--	--	--	--	--	--	--	
3/3/1993	58.29	26.43	0	31.86	9.90	68	--	0.9	0.6	ND	1.9	--	--	--	
6/25/1993	58.29	28.60	0	29.69	-2.17	--	--	--	--	--	--	--	--	--	
9/3/1993	58.29	31.05	0	27.24	-2.45	86	--	14	13	1.4	7.1	--	--	--	
12/13/1993	58.29	33.09	0	25.20	-2.04	--	--	--	--	--	--	--	--	--	Sampled semi-annually
3/18/1994	58.29	30.42	0	27.87	2.67	ND	--	ND	ND	ND	ND	--	--	--	
6/23/1994	58.29	31.95	0	26.34	-1.53	--	--	--	--	--	--	--	--	--	
9/21/1994	58.29	33.86	0	24.43	-1.91	ND	--	ND	0.78	ND	0.81	--	--	--	
12/19/1994	58.29	31.72	0	26.57	2.14	--	--	--	--	--	--	--	--	--	
3/27/1995	58.29	23.44	0	34.85	8.28	ND	--	ND	0.79	0.51	3.1	--	--	--	
6/26/1995	58.29	26.26	0	32.03	-2.82	--	--	--	--	--	--	--	--	--	
7/28/1995	58.29	27.53	0	30.76	-1.27	--	--	--	--	--	--	--	--	--	
9/28/1995	58.29	30.05	0	28.24	-2.52	ND	--	ND	ND	ND	ND	--	--	--	
10/24/1995	58.29	30.79	0	27.50	-0.74	--	--	--	--	--	--	--	--	--	
12/29/1995	58.29	30.96	0	27.33	-0.17	--	--	--	--	--	--	--	--	--	
3/27/1996	58.29	22.71	0	35.58	8.25	ND	--	ND	0.7	ND	0.79	ND	--	--	
9/21/1996	58.29	29.88	0	28.41	-7.17	ND	--	ND	ND	ND	ND	ND	--	--	
3/31/1997	58.29	24.72	0	33.57	5.16	ND	--	ND	ND	ND	ND	ND	--	--	
9/27/1997	58.29	31.68	0	26.61	-6.96	ND	--	ND	ND	ND	ND	ND	--	--	
3/20/1998	58.29	17.27	0	41.02	14.41	ND	--	ND	ND	ND	ND	ND	--	--	
9/9/1998	58.29	26.58	0	31.71	-9.31	ND	--	ND	ND	ND	0.65	3	--	--	
3/11/1999	58.29	24.12	0	34.17	2.46	ND	--	ND	0.7	ND	1.2	ND	--	--	
9/8/1999	58.29	29.18	0	29.11	-5.06	ND	--	ND	ND	ND	0.78	ND	--	--	
3/24/2000	58.29	22.08	0	36.21	7.10	ND	--	ND	ND	ND	ND	ND	--	--	
9/15/2000	58.29	28.63	0	29.66	-6.55	ND	--	ND	1.36	ND	1.46	ND	--	--	

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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
3/16/2001	58.29	26.14	0	32.15	2.49	ND	--	ND	ND	ND	ND	ND	--	--	
8/31/2001	58.29	29.27	0	29.02	-3.13	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--	
3/15/2002	58.29	26.07	0	32.22	3.20	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--	
9/26/2002	58.29	29.95	0	28.34	-3.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
3/16/2003	58.29	27.20	0	31.09	2.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
9/3/2003	58.29	29.99	0	28.30	-2.79	--	ND<50	ND<0.50	0.58	ND<0.50	ND<1	--	ND<2	--	
3/11/2004	58.29	26.07	0	32.22	3.92	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
9/24/2004	58.29	31.71	0	26.58	-5.64	--	62	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/29/2005	58.29	23.93	0	34.36	7.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/12/2005	58.29	28.21	0	30.08	-4.28	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/27/2006	58.29	21.49	0	36.80	6.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/8/2006	58.29	26.81	0	31.48	-5.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
1/29/2007	58.29	28.79	0	29.50	-1.98	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
7/2/2007	58.29	29.67	0	28.62	-0.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
1/14/2008	58.29	29.43	0	28.86	0.24	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/2/2008	58.29	32.07	0	26.22	-2.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/13/2009	58.29	27.70	0	30.59	4.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/1/2009	58.29	31.92	0	26.37	-4.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
1/26/2010	58.29	29.14	0	29.15	2.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/30/2010	58.29	31.43	0	26.86	-2.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/17/2011	58.29	25.63	0	32.66	5.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
MW-5															
2/16/1990	58.50	35.89	0	22.61	--	67	--	0.51	1.6	2.9	7.5	--	--	--	
5/1/1990	58.50	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	
7/19/1990	58.50	36.10	0	22.40	--	--	--	--	--	--	--	--	--	--	
8/24/1990	58.50	36.67	0	21.83	-0.57	ND	--	ND	ND	ND	ND	--	--	--	
11/30/1990	58.50	37.74	0	20.76	-1.07	ND	--	ND	0.7	ND	ND	--	--	--	
2/6/1991	58.50	37.62	0	20.88	0.12	ND	--	ND	ND	ND	ND	--	--	--	
5/6/1991	58.50	33.67	0	24.83	3.95	--	--	--	--	--	--	--	--	--	
9/27/1991	58.50	37.23	0	21.27	-3.56	ND	--	ND	ND	ND	ND	--	--	--	
12/27/1991	58.50	38.02	0	20.48	-0.79	ND	--	ND	ND	ND	ND	--	--	--	
3/31/1992	58.50	31.62	0	26.88	6.40	ND	--	ND	ND	ND	1.1	--	--	--	
6/18/1992	58.50	33.46	0	25.04	-1.84	--	--	--	--	--	--	--	--	--	

Table 2
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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
10/16/1992	58.50	36.23	0	22.27	-2.77	ND	--	ND	ND	ND	ND	--	--	--	
11/18/1992	58.50	36.62	0	21.88	-0.39	--	--	--	--	--	--	--	--	--	
3/3/1993	58.50	26.62	0	31.88	10.00	ND	--	ND	ND	ND	ND	--	--	--	
6/25/1993	58.50	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
9/3/1993	58.50	31.45	0	27.05	--	ND	--	ND	1.5	ND	7.9	--	--	--	
12/13/1993	58.50	33.39	0	25.11	-1.94	--	--	--	--	--	--	--	--	--	Sampled semi-annually
3/18/1994	58.50	30.67	0	27.83	2.72	ND	--	ND	ND	ND	ND	--	--	--	
6/23/1994	58.50	32.00	0	26.50	-1.33	--	--	--	--	--	--	--	--	--	
9/21/1994	58.50	33.90	0	24.60	-1.90	ND	--	ND	0.98	ND	1.6	--	--	--	
12/19/1994	58.50	31.63	0	26.87	2.27	--	--	--	--	--	--	--	--	--	
3/27/1995	58.50	23.44	0	35.06	8.19	ND	--	ND	0.66	ND	2.9	--	--	--	
6/26/1995	58.50	26.35	0	32.15	-2.91	--	--	--	--	--	--	--	--	--	
7/28/1995	58.50	27.63	0	30.87	-1.28	--	--	--	--	--	--	--	--	--	
9/28/1995	58.50	30.15	0	28.35	-2.52	ND	--	ND	ND	ND	ND	--	--	--	
10/24/1995	58.50	30.98	0	27.52	-0.83	--	--	--	--	--	--	--	--	--	
12/29/1995	58.50	30.87	0	27.63	0.11	--	--	--	--	--	--	--	--	--	
3/27/1996	58.50	22.75	0	35.75	8.12	ND	--	ND	1.7	ND	2.4	ND	--	--	
9/21/1996	58.50	29.95	0	28.55	-7.20	ND	--	ND	ND	ND	ND	ND	--	--	
3/31/1997	58.50	24.80	0	33.70	5.15	ND	--	ND	ND	ND	ND	ND	--	--	
9/27/1997	58.50	31.65	0	26.85	-6.85	ND	--	ND	ND	ND	ND	ND	--	--	
3/20/1998	58.50	17.31	0	41.19	14.34	ND	--	ND	ND	ND	ND	ND	--	--	
9/9/1998	58.50	26.63	0	31.87	-9.32	ND	--	ND	ND	ND	ND	ND	--	--	
3/11/1999	58.50	24.08	0	34.42	2.55	ND	--	ND	0.96	ND	1.7	ND	--	--	
9/8/1999	58.50	29.16	0	29.34	-5.08	ND	--	ND	ND	ND	ND	ND	--	--	
3/24/2000	58.50	22.06	0	36.44	7.10	ND	--	ND	ND	ND	0.957	ND	--	--	
9/15/2000	58.50	28.64	0	29.86	-6.58	ND	--	ND	ND	ND	ND	ND	--	--	
3/16/2001	58.50	26.05	0	32.45	2.59	ND	--	ND	ND	ND	ND	ND	--	--	
8/31/2001	58.50	29.32	0	29.18	-3.27	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--	
3/15/2002	58.50	26.08	0	32.42	3.24	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--	
9/26/2002	58.50	29.96	0	28.54	-3.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
3/16/2003	58.50	27.24	0	31.26	2.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
9/3/2003	58.50	30.04	0	28.46	-2.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	--	
3/11/2004	58.50	26.05	0	32.45	3.99	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	

Table 2
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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
9/24/2004	58.50	31.66	0	26.84	-5.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/29/2005	58.50	23.94	0	34.56	7.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.5	--	ND<0.50	--	
9/12/2005	58.50	28.59	0	29.91	-4.65	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/27/2006	58.50	21.59	0	36.91	7.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/8/2006	58.50	27.15	0	31.35	-5.56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
1/29/2007	58.50	29.08	0	29.42	-1.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
7/2/2007	58.50	29.98	0	28.52	-0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
1/14/2008	58.50	29.55	0	28.95	0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/2/2008	58.50	32.35	0	26.15	-2.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/13/2009	58.50	27.88	0	30.62	4.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/1/2009	58.50	32.24	0	26.26	-4.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
1/26/2010	58.50	29.13	0	29.37	3.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/30/2010	58.50	31.10	0	27.40	-1.97	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/17/2011	58.50	25.88	0	32.62	5.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
MW-6															
2/16/1990	56.96	34.50	0	22.46	--	ND	--	ND	ND	ND	ND	--	--	--	
5/1/1990	56.96	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	
7/19/1990	56.96	34.74	0	22.22	--	ND	--	ND	ND	ND	ND	--	--	--	
8/24/1990	56.96	35.32	0	21.64	-0.58	ND	--	ND	ND	ND	ND	--	--	--	
11/30/1990	56.96	36.38	0	20.58	-1.06	ND	--	ND	ND	ND	ND	--	--	--	
2/6/1991	56.96	36.27	0	20.69	0.11	ND	--	ND	ND	ND	ND	--	--	--	
5/6/1991	56.96	32.41	0	24.55	3.86	--	--	--	--	--	--	--	--	--	
9/27/1991	56.96	35.87	0	21.09	-3.46	ND	--	ND	ND	ND	ND	--	--	--	
12/27/1991	56.96	36.67	0	20.29	-0.80	ND	--	ND	ND	ND	ND	--	--	--	
3/31/1992	56.96	30.32	0	26.64	6.35	ND	--	ND	1.3	ND	2	--	--	--	
6/18/1992	56.96	32.18	0	24.78	-1.86	ND	--	ND	ND	ND	ND	--	--	--	
10/16/1992	56.96	34.92	0	22.04	-2.74	ND	--	ND	ND	ND	ND	--	--	--	
11/18/1992	56.96	35.28	0	21.68	-0.36	--	--	--	--	--	--	--	--	--	
3/3/1993	56.96	25.43	0	31.53	9.85	ND	--	ND	ND	ND	ND	--	--	--	
6/25/1993	56.96	27.86	0	29.10	-2.43	--	--	--	--	--	--	--	--	--	
9/3/1993	56.96	30.25	0	26.71	-2.39	ND	--	ND	ND	ND	ND	--	--	--	
12/13/1993	56.96	32.14	0	24.82	-1.89	--	--	--	--	--	--	--	--	--	Sampled semi-annually
3/18/1994	56.96	29.46	0	27.50	2.68	ND	--	ND	0.93	ND	1.4	--	--	--	

Table 2
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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
6/23/1994	56.96	30.76	0	26.20	-1.30	--	--	--	--	--	--	--	--	--	
9/21/1994	56.96	32.62	0	24.34	-1.86	ND	--	ND	ND	ND	ND	--	--	--	
12/19/1994	56.96	30.32	0	26.64	2.30	--	--	--	--	--	--	--	--	--	
3/27/1995	56.96	22.10	0	34.86	8.22	56	--	ND	0.65	ND	3.3	--	--	--	
6/26/1995	56.96	25.20	0	31.76	-3.10	--	--	--	--	--	--	--	--	--	
7/28/1995	56.96	26.48	0	30.48	-1.28	--	--	--	--	--	--	--	--	--	
9/28/1995	56.96	28.92	0	28.04	-2.44	ND	--	ND	ND	ND	ND	--	--	--	
10/24/1995	56.96	29.73	0	27.23	-0.81	--	--	--	--	--	--	--	--	--	
12/29/1995	56.96	29.62	0	27.34	0.11	--	--	--	--	--	--	--	--	--	
3/27/1996	56.96	21.59	0	35.37	8.03	50	--	ND	0.92	ND	0.96	ND	--	--	
9/21/1996	56.96	28.72	0	28.24	-7.13	ND	--	ND	ND	ND	ND	ND	--	--	
3/31/1997	56.96	23.72	0	33.24	5.00	73	--	0.67	0.82	ND	ND	ND	--	--	
9/27/1997	56.96	30.52	0	26.44	-6.80	ND	--	ND	ND	ND	ND	ND	--	--	
3/20/1998	56.96	16.35	0	40.61	14.17	ND	--	ND	ND	ND	ND	ND	--	--	
9/9/1998	56.96	25.53	0	31.43	-9.18	ND	--	ND	0.64	ND	0.65	3.3	--	--	
3/11/1999	56.96	22.85	0	34.11	2.68	ND	--	ND	0.71	ND	1.4	ND	--	--	
9/8/1999	56.96	28.01	0	28.95	-5.16	ND	--	ND	ND	ND	ND	ND	--	--	
3/24/2000	56.96	20.93	0	36.03	7.08	ND	--	ND	ND	ND	ND	ND	--	--	
9/15/2000	56.96	27.51	0	29.45	-6.58	ND	--	ND	ND	ND	ND	ND	--	--	
3/16/2001	56.96	24.87	0	32.09	2.64	ND	--	ND	ND	ND	ND	ND	--	--	
8/31/2001	56.96	28.20	0	28.76	-3.33	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--	
3/15/2002	56.96	24.82	0	32.14	3.38	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--	
9/26/2002	56.96	28.72	0	28.24	-3.90	--	84	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
3/16/2003	56.96	26.00	0	30.96	2.72	--	52	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
9/3/2003	56.96	28.78	0	28.18	-2.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	--	
3/11/2004	56.96	24.78	0	32.18	4.00	--	69	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
9/24/2004	56.96	30.42	0	26.54	-5.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/29/2005	56.96	25.66	0	31.30	4.76	--	170	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/12/2005	56.96	27.41	0	29.55	-1.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/27/2006	56.96	21.42	0	35.54	5.99	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/8/2006	56.96	26.02	0	30.94	-4.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
1/29/2007	56.96	27.91	0	29.05	-1.89	--	87	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
7/2/2007	56.96	28.78	0	28.18	-0.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	

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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
1/14/2008	56.96	28.26	0	28.70	0.52	--	140	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/2/2008	56.96	31.10	0	25.86	-2.84	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/13/2009	56.96	26.63	0	30.33	4.47	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/1/2009	56.96	31.01	0	25.95	-4.38	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
1/26/2010	56.96	27.77	0	29.19	3.24	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/30/2010	56.96	29.88	0	27.08	-2.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/17/2011	56.96	24.70	0	32.26	5.18	--	86	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
MW-7															
2/16/1990	57.25	35.75	0	21.50	--	ND	--	ND	ND	ND	ND	--	--	--	
5/1/1990	57.25	--	--	--	--	24	--	ND	ND	0.74	1.7	--	--	--	
7/19/1990	57.25	35.03	0	22.22	--	--	--	--	--	--	--	--	--	--	
8/24/1990	57.25	35.64	0	21.61	-0.61	ND	--	ND	ND	ND	ND	--	--	--	
11/30/1990	57.25	36.68	0	20.57	-1.04	ND	--	ND	ND	0.6	1.5	--	--	--	
2/6/1991	57.25	36.55	0	20.70	0.13	ND	--	ND	ND	ND	ND	--	--	--	
5/6/1991	57.25	32.69	0	24.56	3.86	ND	--	ND	ND	ND	ND	--	--	--	
9/27/1991	57.25	36.18	0	21.07	-3.49	ND	--	ND	ND	ND	ND	--	--	--	
12/27/1991	57.25	36.96	0	20.29	-0.78	ND	--	ND	ND	ND	ND	--	--	--	
3/31/1992	57.25	30.56	0	26.69	6.40	ND	--	ND	ND	ND	0.9	--	--	--	
6/18/1992	57.25	32.52	0	24.73	-1.96	--	--	--	--	--	--	--	--	--	
10/16/1992	57.25	35.24	0	22.01	-2.72	ND	--	ND	ND	ND	ND	--	--	--	
11/18/1992	57.25	35.59	0	21.66	-0.35	--	--	--	--	--	--	--	--	--	
3/3/1993	57.25	25.66	0	31.59	9.93	ND	--	ND	ND	ND	ND	--	--	--	
6/25/1993	57.25	28.25	0	29.00	-2.59	--	--	--	--	--	--	--	--	--	
9/3/1993	57.25	30.60	0	26.65	-2.35	ND	--	ND	ND	ND	ND	--	--	--	
12/13/1993	57.25	32.45	0	24.80	-1.85	--	--	--	--	--	--	--	--	--	Sampled semi-annually
3/18/1994	57.25	29.76	0	27.49	2.69	ND	--	ND	ND	ND	ND	--	--	--	
6/23/1994	57.25	31.10	0	26.15	-1.34	--	--	--	--	--	--	--	--	--	
9/21/1994	57.25	32.96	0	24.29	-1.86	ND	--	0.5	ND	ND	0.89	--	--	--	
12/19/1994	57.25	30.60	0	26.65	2.36	--	--	--	--	--	--	--	--	--	
3/27/1995	57.25	22.43	0	34.82	8.17	ND	--	ND	0.54	ND	1.9	--	--	--	
6/26/1995	57.25	25.55	0	31.70	-3.12	--	--	--	--	--	--	--	--	--	
7/28/1995	57.25	26.84	0	30.41	-1.29	--	--	--	--	--	--	--	--	--	
9/28/1995	57.25	29.29	0	27.96	-2.45	ND	--	ND	ND	ND	ND	--	--	--	

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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
10/24/1995	57.25	30.05	0	27.20	-0.76	--	--	--	--	--	--	--	--	--	
12/29/1995	57.25	29.91	0	27.34	0.14	--	--	--	--	--	--	--	--	--	
3/27/1996	57.25	21.94	0	35.31	7.97	ND	--	ND	1.1	ND	1.7	ND	--	--	
9/21/1996	57.25	29.07	0	28.18	-7.13	ND	--	ND	ND	ND	ND	ND	--	--	
3/31/1997	57.25	24.02	0	33.23	5.05	ND	--	ND	ND	ND	ND	ND	--	--	
9/27/1997	57.25	30.84	0	26.41	-6.82	ND	--	ND	ND	ND	ND	ND	--	--	
3/20/1998	57.25	16.68	0	40.57	14.16	ND	--	ND	ND	ND	ND	ND	--	--	
9/9/1998	57.25	25.89	0	31.36	-9.21	ND	--	ND	ND	ND	ND	4.1	--	--	
3/11/1999	57.25	23.16	0	34.09	2.73	ND	--	ND	0.91	ND	1.6	5.7	--	--	
9/8/1999	57.25	28.32	0	28.93	-5.16	ND	--	ND	ND	ND	ND	2.7	--	--	
3/24/2000	57.25	21.23	0	36.02	7.09	ND	--	ND	ND	ND	ND	ND	--	--	
9/15/2000	57.25	27.83	0	29.42	-6.60	ND	--	ND	ND	ND	ND	ND	--	--	
3/16/2001	57.25	25.15	0	32.10	2.68	ND	--	ND	ND	ND	ND	ND	--	--	
8/31/2001	57.25	28.49	0	28.76	-3.34	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--	
3/15/2002	57.25	24.96	0	32.29	3.53	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	--	
9/26/2002	57.25	29.09	0	28.16	-4.13	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
3/16/2003	57.25	26.33	0	30.92	2.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
9/3/2003	57.25	29.14	0	28.11	-2.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	--	
3/11/2004	57.25	25.09	0	32.16	4.05	--	72	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
9/24/2004	57.25	30.73	0	26.52	-5.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/29/2005	57.25	23.00	0	34.25	7.73	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/12/2005	57.25	27.71	0	29.54	-4.71	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/27/2006	57.25	21.28	0	35.97	6.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/8/2006	57.25	26.35	0	30.90	-5.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
1/29/2007	57.25	28.19	0	29.06	-1.84	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
7/2/2007	57.25	29.10	0	28.15	-0.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
1/14/2008	57.25	28.51	0	28.74	0.59	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/2/2008	57.25	31.40	0	25.85	-2.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/13/2009	57.25	26.89	0	30.36	4.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/1/2009	57.25	31.33	0	25.92	-4.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
1/26/2010	57.25	27.96	0	29.29	3.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.65	--	
9/30/2010	57.25	30.22	0	27.03	-2.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/17/2011	57.25	24.99	0	32.26	5.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	

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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-8															
2/16/1990	57.71	35.10	0	22.61	--	1900	--	11	ND	52	55	--	--	--	
5/1/1990	57.71	--	--	--	--	770	--	6.5	ND	20	32	--	--	--	
7/19/1990	57.71	35.41	0	22.30	--	--	--	--	--	--	--	--	--	--	
8/24/1990	57.71	36.00	0	21.71	-0.59	990	--	13	ND	48	66	--	--	--	
11/30/1990	57.71	37.08	0	20.63	-1.08	570	--	13	ND	45	36	--	--	--	
2/6/1991	57.71	36.92	0	20.79	0.16	630	--	9.6	ND	35	36	--	--	--	
5/6/1991	57.71	33.03	0	24.68	3.89	14000	--	80	ND	250	550	--	--	--	
9/27/1991	57.71	36.55	0	21.16	-3.52	720	--	13	4.3	26	26	--	--	--	
12/27/1991	57.71	37.34	0	20.37	-0.79	1600	--	15	2.9	40	49	--	--	--	
3/31/1992	57.71	31.93	0	25.78	5.41	15000	--	120	1	430	530	--	--	--	
6/18/1992	57.71	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
10/16/1992	57.71	35.58	0	22.13	--	300	--	0.96	ND	4	3.5	--	--	--	
11/18/1992	57.71	35.94	0	21.77	-0.36	1100	--	6.1	ND	13	5.6	--	--	--	
3/3/1993	57.71	26.00	0	31.71	9.94	13000	--	33	ND	160	290	--	--	--	
6/25/1993	57.71	28.27	0	29.44	-2.27	8100	--	160	ND	580	740	--	--	--	
9/3/1993	57.71	30.90	0	26.81	-2.63	9800	--	180	ND	580	700	--	--	--	
12/13/1993	57.71	32.75	0	24.96	-1.85	6900	--	180	ND	240	550	--	--	--	
3/18/1994	57.71	30.12	0	27.59	2.63	6100	--	85	ND	260	260	--	--	--	
6/23/1994	57.71	31.40	0	26.31	-1.28	12000	--	210	ND	610	860	--	--	--	
9/21/1994	57.71	33.30	0	24.41	-1.90	6900	--	190	ND	460	510	--	--	--	
12/19/1994	57.71	30.95	0	26.76	2.35	6200	--	91	ND	230	210	--	--	--	
3/27/1995	57.71	22.78	0	34.93	8.17	9200	--	240	ND	200	1400	--	--	--	
6/26/1995	57.71	24.83	0	32.88	-2.05	11000	--	320	ND	680	2000	--	--	--	
7/28/1995	57.71	27.10	0	30.61	-2.27	--	--	--	--	--	--	--	--	--	
9/28/1995	57.71	29.58	0	28.13	-2.48	10000	--	250	ND	760	910	--	--	--	
10/24/1995	57.71	30.40	0	27.31	-0.82	--	--	--	--	--	--	--	--	--	
12/29/1995	57.71	30.25	0	27.46	0.15	7500	--	260	ND	580	870	--	--	--	
3/27/1996	57.71	22.20	0	35.51	8.05	970	--	29	0.77	82	85	ND	--	--	
9/21/1996	57.71	29.34	0	28.37	-7.14	3800	--	27	ND	46	45	ND	--	--	
3/31/1997	57.71	24.35	0	33.36	4.99	ND	--	ND	ND	ND	ND	ND	--	--	
9/27/1997	57.71	31.15	0	26.56	-6.80	78	--	0.9	ND	12	ND	ND	--	--	
3/20/1998	57.71	16.84	0	40.87	14.31	ND	--	ND	ND	ND	ND	ND	--	--	

Table 2
HISTORICT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 17, 2011
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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
9/9/1998	57.71	26.14	0	31.57	-9.30	910	--	ND	49	12	2.2	1.5	--	--	
3/11/1999	57.71	23.48	0	34.23	2.66	4700	--	9.6	ND	280	95	ND	--	--	
9/8/1999	57.71	28.60	0	29.11	-5.12	1900	--	ND	ND	36	ND	ND	--	--	
3/24/2000	57.71	21.49	0	36.22	7.11	ND	--	ND	ND	ND	ND	ND	--	--	
9/15/2000	57.71	28.09	0	29.62	-6.60	533	--	2.23	ND	6.27	0.684	ND	--	--	
3/16/2001	57.71	25.43	0	32.28	2.66	1000	--	ND	ND	17.8	44.5	ND	--	--	
8/31/2001	57.71	28.89	0	28.82	-3.46	6500	--	8.6	7.4	420	1900	ND<25	--	--	
3/15/2002	57.71	25.45	0	32.26	3.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
9/26/2002	57.71	29.37	0	28.34	-3.92	--	290	ND<0.50	ND<0.50	0.65	ND<1.0	--	ND<2.0	--	
3/16/2003	57.71	26.65	0	31.06	2.72	--	--	--	--	--	--	--	--	--	Inaccessible
9/3/2003	57.71	29.46	0	28.25	-2.81	--	450	ND<0.50	0.69	ND<0.50	ND<1.0	--	ND<2.0	--	
3/11/2004	57.71	25.42	0	32.29	4.04	--	950	ND<0.50	ND<0.50	15	1.4	--	ND<2.0	--	
9/24/2004	57.71	31.08	0	26.63	-5.66	--	230	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/29/2005	57.71	23.30	0	34.41	7.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/12/2005	57.71	28.07	0	29.64	-4.77	--	160	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/27/2006	57.71	21.28	0	36.43	6.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/8/2006	57.71	26.61	0	31.10	-5.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
1/29/2007	57.71	28.48	0	29.23	-1.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
7/2/2007	57.71	29.39	0	28.32	-0.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
1/14/2008	57.71	28.85	0	28.86	0.54	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/2/2008	57.71	31.72	0	25.99	-2.87	--	85	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/13/2009	57.71	27.21	0	30.50	4.51	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/1/2009	57.71	31.63	0	26.08	-4.42	--	140	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
1/26/2010	57.71	28.35	0	29.36	3.28	--	140	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/30/2010	57.71	30.52	0	27.19	-2.17	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/17/2011	57.71	25.26	0	32.45	5.26	--	55	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
MW-9															
12/19/1994	56.47	29.71	0	26.76	--	ND	--	ND	1.6	1.5	8.4	--	--	--	
3/27/1995	56.47	21.48	0	34.99	8.23	ND	--	ND	0.61	ND	2.8	--	--	--	
6/26/1995	56.47	24.50	0	31.97	-3.02	ND	--	ND	ND	ND	3.9	--	--	--	
7/28/1995	56.47	25.77	0	30.70	-1.27	--	--	--	--	--	--	--	--	--	
9/28/1995	56.47	28.23	0	28.24	-2.46	ND	--	ND	ND	ND	ND	--	--	--	
10/24/1995	56.47	29.21	0	27.26	-0.98	--	--	--	--	--	--	--	--	--	

Table 2
HISTORICT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 17, 2011
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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
12/29/1995	56.47	29.02	0	27.45	0.19	ND	--	ND	0.58	ND	0.52	ND	--	--	
3/27/1996	56.47	20.91	0	35.56	8.11	ND	--	ND	0.68	ND	0.51	ND	--	--	
9/21/1996	56.47	28.05	0	28.42	-7.14	ND	--	ND	ND	ND	ND	ND	--	--	
3/31/1997	56.47	23.48	0	32.99	4.57	ND	--	ND	ND	ND	ND	ND	--	--	
9/27/1997	56.47	30.38	0	26.09	-6.90	ND	--	ND	ND	ND	ND	ND	--	--	
3/20/1998	56.47	15.60	0	40.87	14.78	ND	--	ND	ND	ND	ND	ND	--	--	
9/9/1998	56.47	24.85	0	31.62	-9.25	ND	--	0.69	ND	ND	0.61	ND	--	--	
3/11/1999	56.47	22.23	0	34.24	2.62	ND	--	ND	ND	ND	0.76	ND	--	--	
9/8/1999	56.47	27.34	0	29.13	-5.11	ND	--	ND	ND	ND	ND	ND	--	--	
3/24/2000	56.47	20.27	0	36.20	7.07	ND	--	ND	ND	ND	ND	ND	--	--	
9/15/2000	56.47	26.84	0	29.63	-6.57	ND	--	ND	ND	ND	ND	ND	--	--	
3/16/2001	56.47	24.24	0	32.23	2.60	ND	--	ND	ND	ND	ND	ND	--	--	
8/31/2001	56.47	27.43	0	29.04	-3.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
3/15/2002	56.47	24.79	0	31.68	2.64	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
9/26/2002	56.47	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
3/16/2003	56.47	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
9/3/2003	56.47	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
3/11/2004	56.47	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
9/24/2004	56.47	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/29/2005	56.47	21.92	0	34.55	--	--	91	ND<0.50	ND<0.50	1.3	ND<1.0	--	ND<0.50	--	
9/12/2005	56.47	26.73	0	29.74	-4.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/27/2006	56.47	20.75	0	35.72	5.98	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/8/2006	56.47	25.33	0	31.14	-4.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
1/29/2007	56.47	27.27	0	29.20	-1.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
7/2/2007	56.47	28.13	0	28.34	-0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
1/14/2008	56.47	--	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
9/2/2008	56.47	30.47	0	26.00	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/13/2009	56.47	26.05	0	30.42	4.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/1/2009	56.47	30.35	0	26.12	-4.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
1/26/2010	56.47	27.29	0	29.18	3.06	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/30/2010	56.47	29.23	0	27.24	-1.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/17/2011	56.47	24.06	0	32.41	5.17	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	

Table 2
HISTORICT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 17, 2011
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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-10															
7/28/1995	58.94	25.53	0	33.41	--	ND	--	ND	ND	ND	ND	--	--	--	
9/28/1995	58.94	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/24/1995	58.94	31.76	0	27.18	--	ND	--	ND	ND	ND	ND	--	--	--	
12/29/1995	58.94	31.55	0	27.39	0.21	ND	--	ND	0.65	ND	1.1	--	--	--	
3/27/1996	58.94	23.62	0	35.32	7.93	ND	--	ND	0.68	ND	0.69	ND	--	--	
9/21/1996	58.94	30.77	0	28.17	-7.15	ND	--	ND	ND	ND	ND	ND	--	--	
3/31/1997	58.94	26.05	0	32.89	4.72	ND	--	ND	ND	ND	ND	ND	--	--	
9/27/1997	58.94	32.80	0	26.14	-6.75	ND	--	ND	ND	ND	ND	ND	--	--	
3/20/1998	58.94	18.13	0	40.81	14.67	ND	--	ND	ND	ND	ND	ND	--	--	
9/9/1998	58.94	27.54	0	31.40	-9.41	ND	--	ND	0.55	ND	ND	ND	--	--	
3/11/1999	58.94	24.85	0	34.09	2.69	ND	--	ND	0.61	ND	0.87	ND	--	--	
9/8/1999	58.94	29.97	0	28.97	-5.12	ND	--	ND	ND	ND	ND	ND	--	--	
3/24/2000	58.94	22.90	0	36.04	7.07	ND	--	ND	ND	ND	ND	ND	--	--	
9/15/2000	58.94	29.48	0	29.46	-6.58	ND	--	ND	ND	ND	ND	ND	--	--	
3/16/2001	58.94	26.80	0	32.14	2.68	ND	--	ND	ND	ND	ND	ND	--	--	
8/31/2001	58.94	30.05	0	28.89	-3.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
3/15/2002	58.94	26.61	0	32.33	3.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
9/26/2002	58.94	30.68	0	28.26	-4.07	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
3/16/2003	58.94	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
9/3/2003	58.94	38.87	0	20.07	--	--	ND<50	ND<0.50	1.8	ND<0.50	ND<1.0	--	ND<2	--	
3/11/2004	58.94	26.80	0	32.14	12.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--	
9/24/2004	58.94	32.42	0	26.52	-5.62	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/29/2005	58.94	24.11	0	34.83	8.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/12/2005	58.94	29.43	0	29.51	-5.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/27/2006	58.94	22.72	0	36.22	6.71	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/8/2006	58.94	28.02	0	30.92	-5.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
1/29/2007	58.94	29.85	0	29.09	-1.83	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
7/2/2007	58.94	30.76	0	28.18	-0.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--	
1/14/2008	58.94	30.11	0	28.83	0.65	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/2/2008	58.94	33.07	0	25.87	-2.96	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/13/2009	58.94	28.52	0	30.42	4.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/1/2009	58.94	33.01	0	25.93	-4.49	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	

Table 2
HISTORICT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 17, 2011
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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
1/26/2010	58.94	29.53	0	29.41	3.48	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
9/30/2010	58.94	31.90	0	27.04	-2.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	
3/17/2011	58.94	26.65	0	32.29	5.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

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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)	TDS (mg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Comments
MW-1												
3/27/1995	--	--	--	--	--	--	--	--	--	1.50	--	
6/26/1995	--	--	--	--	--	--	--	--	--	1.60	--	
9/28/1995	--	--	--	--	--	--	--	--	--	1.22	--	
12/29/1995	--	--	--	--	--	--	--	--	--	1.74	--	
3/27/1996	--	--	--	--	--	--	--	--	--	1.02	1.48	
9/21/1996	--	--	--	--	--	--	--	--	--	1.01	--	
3/31/1997	--	--	--	--	--	--	--	--	--	1.49	1.47	
3/16/2003	ND<50000	ND<250000	ND<1000	--	ND<1000	ND<1000	ND<1000	ND<1000	--	--	--	
9/30/2010	--	--	ND<5.0	ND<0.010	ND<5.0	--	--	--	--	--	--	
3/17/2011	--	--	ND<5.0	--	ND<5.0	--	--	--	--	--	--	
MW-2												
3/27/1995	--	--	--	--	--	--	--	--	410	1.70	--	
6/26/1995	--	--	--	--	--	--	--	--	--	4.55	--	
9/28/1995	--	--	--	--	--	--	--	--	--	3.00	--	
12/29/1995	--	--	--	--	--	--	--	--	--	8.71	--	
3/31/1997	--	--	--	--	--	--	--	--	--	2.12	2.18	
3/16/2003	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	
9/30/2010	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
MW-3												
3/27/1995	--	--	--	--	--	--	--	--	450	0.90	--	
6/26/1995	--	--	--	--	--	--	--	--	--	1.55	--	
9/28/1995	--	--	--	--	--	--	--	--	--	1.63	--	
12/29/1995	--	--	--	--	--	--	--	--	--	6.97	--	
3/31/1997	--	--	--	--	--	--	--	--	--	2.06	1.95	
9/15/2000	ND<100	ND<1000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	
3/16/2003	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	
9/30/2010	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
MW-4												
3/27/1995	--	--	--	--	--	--	--	--	--	4.90	--	
9/28/1995	--	--	--	--	--	--	--	--	--	6.29	--	
3/27/1996	--	--	--	--	--	--	--	--	--	3.91	4.32	

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5367

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)	TDS (mg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Comments
9/21/1996	--	--	--	--	--	--	--	--	--	2.82	--	
3/31/1997	--	--	--	--	--	--	--	--	--	2.63	2.66	
3/16/2003	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	
9/30/2010	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
MW-5												
3/27/1995	--	--	--	--	--	--	--	--	--	5.20	--	
9/28/1995	--	--	--	--	--	--	--	--	--	1.96	--	
3/27/1996	--	--	--	--	--	--	--	--	--	4.71	4.03	
9/21/1996	--	--	--	--	--	--	--	--	--	4.12	--	
3/31/1997	--	--	--	--	--	--	--	--	--	3.11	2.98	
3/16/2003	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	
9/30/2010	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
MW-6												
3/27/1995	--	--	--	--	--	--	--	--	--	7.40	--	
9/28/1995	--	--	--	--	--	--	--	--	--	4.19	--	
3/27/1996	--	--	--	--	--	--	--	--	--	4.96	5.94	
9/21/1996	--	--	--	--	--	--	--	--	--	3.74	--	
3/31/1997	--	--	--	--	--	--	--	--	--	3.11	3.21	
3/16/2003	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	
9/30/2010	--	--	ND<0.50	ND<0.010	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
MW-7												
3/27/1995	--	--	--	--	--	--	--	--	--	8.40	--	
9/28/1995	--	--	--	--	--	--	--	--	--	2.04	--	
3/27/1996	--	--	--	--	--	--	--	--	--	5.23	6.63	
9/21/1996	--	--	--	--	--	--	--	--	--	1.19	--	
3/31/1997	--	--	--	--	--	--	--	--	--	2.16	2.29	
3/16/2003	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	
9/30/2010	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
MW-8												
3/27/1995	--	--	--	--	--	--	--	--	490	2.20	--	

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5367

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)	TDS (mg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Comments
6/26/1995	--	--	--	--	--	--	--	--	--	3.86	--	
9/28/1995	--	--	--	--	--	--	--	--	--	1.85	--	
12/29/1995	--	--	--	--	--	--	--	--	--	2.03	--	
3/27/1996	--	--	--	--	--	--	--	--	--	9.76	11.73	
9/21/1996	--	--	--	--	--	--	--	--	--	2.16	--	
3/31/1997	--	--	--	--	--	--	--	--	--	2.91	2.81	
9/27/1997	--	--	--	--	--	--	--	--	--	--	3.11	
3/20/1998	--	--	--	--	--	--	--	--	--	2.65	--	
9/30/2010	--	--	ND<0.50	ND<0.010	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
MW-9												
3/27/1995	--	--	--	--	--	--	--	--	--	7.8	--	
6/26/1995	--	--	--	--	--	--	--	--	--	4.61	--	
9/28/1995	--	--	--	--	--	--	--	--	--	5.76	--	
12/29/1995	--	--	--	--	--	--	--	--	--	5.32	--	
3/27/1996	--	--	--	--	--	--	--	--	--	5.23	5.62	
9/21/1996	--	--	--	--	--	--	--	--	--	4.13	--	
3/31/1997	--	--	--	--	--	--	--	--	--	3.27	3.36	
9/30/2010	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
MW-10												
12/29/1995	--	--	--	--	--	--	--	--	--	5.11	--	
3/27/1996	--	--	--	--	--	--	--	--	--	4.57	4.38	
9/21/1996	--	--	--	--	--	--	--	--	--	5.38	--	
3/31/1997	--	--	--	--	--	--	--	--	--	4.83	4.48	
9/30/2010	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	
3/17/2011	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--	

ARCADIS

Attachment C

Laboratory Report and Chain-of-Custody Documentation

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 08/22/2012

Kathy Brandt

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Project:	5367
BC Work Order:	1215631
Invoice ID:	B128378

Enclosed are the results of analyses for samples received by the laboratory on 8/17/2012. 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

Table of Contents

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Chain of Custody and Cooler Receipt Form for 1215631 Page 1 of 2

#12-15631

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: 5367	Union Oil Consultant: Arcadis
Site Global ID: T0600101479	Consultant Contact: Kathy Brandt
Site Address: 500 Bancroft Ave, San Leandro, CA	Consultant Phone No.: 510 596 9675
	Sampling Company: TRC
Union Oil PM: Roya Kambin	Sampled By (PRINT): Andrew Vidales
Union Oil PM Phone No.: 925 740 6270	
Charge Code: NWRTB-0351563-0-LAB	Sampler Signature: [signature]
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	BC Laboratories, Inc. Project Manager: Molly Meyers 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

ANALYSES REQUIRED

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

Special Instructions

SAMPLE ID

Field Point Name		Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015	TPH - G by GC/MS	BTEX/MTBE/[redacted] by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	EDB/EDC by 8260B	Notes / Comments
MW-1	-1	W-S-A (W circled)		120816	0931	3		X	X	X		X	
MW-2	-2	W-S-A		↓	0913	↓		↓	↓	↓		↓	
MW-3	-3	W-S-A		↓	0844	↓		↓	↓	↓		↓	
MW-4	-4	W-S-A		↓	0813	↓		↓	↓	↓		↓	
MW-5	-5	W-S-A		↓	1101	↓		↓	↓	↓		↓	
MW-6	-6	W-S-A		↓	1134	↓		↓	↓	↓		↓	
MW-7	-7	W-S-A		↓	1215	↓		↓	↓	↓		↓	
MW-8	-8	W-S-A		↓	1038	↓		↓	↓	↓		↓	
MW-9	-9	W-S-A		↓	1006	↓		↓	↓	↓		↓	
		W-S-A											
		W-S-A											
		W-S-A											

CHK BY: BOLT JK   DISTRIBUTION   SUB-OUT ☐

Relinquished By	Company	Date / Time	Relinquished By	Company	Date / Time	Relinquished By	Company	Date / Time
[signature]	TRC	8/16/12 1205	Gary Bogan	BcLab	8-17-12 1540	R L Runyan	BCL	8-17-12 2000
Received By	**Company**	**Date / Time**	**Received By**	**Company**	**Date / Time**	**Received By**	**Company**	**Date / Time**
Gary Bogan	BcLab	8-17-12 1205	R L Runyan	BCL	8-17-12 1540	KBM	BCL	8-17-12 2000

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

Chain of Custody and Cooler Receipt Form for 1215631 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 12 12/30/10 Page 1 Of 1

Submission #: 1215631

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: 0.95 Container: V09 Thermometer ID: 207

Temperature: (A) 1.1 °C / (C) 1.2 °C

Date/Time 8/17/12 2000

Analyst Init KIO

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	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										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PLA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A 3	A 3	A 3	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 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: BLT Date/Time: 8/20/12@0830

A = Actual / C = Corrected

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Reported: 08/22/2012 11:21
Project: 5367
Project Number: 351563
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1215631-01	**COC Number:**	---	**Receive Date:**	08/17/2012 20:00
	Project Number:	5367	**Sampling Date:**	08/16/2012 09:31
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-1-W-120816	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101479			
	Location ID (FieldPoint): MW-1			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1215631-02	**COC Number:**	---	**Receive Date:**	08/17/2012 20:00
	Project Number:	5367	**Sampling Date:**	08/16/2012 09:13
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-2-W-120816	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101479			
	Location ID (FieldPoint): MW-2			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1215631-03	**COC Number:**	---	**Receive Date:**	08/17/2012 20:00
	Project Number:	5367	**Sampling Date:**	08/16/2012 08:44
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-3-W-120816	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101479			
	Location ID (FieldPoint): MW-3			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Reported: 08/22/2012 11:21
Project: 5367
Project Number: 351563
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1215631-04	**COC Number:**	---	**Receive Date:**	08/17/2012 20:00
	Project Number:	5367	**Sampling Date:**	08/16/2012 08:13
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-4-W-120816	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101479	
			Location ID (FieldPoint): MW-4	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1215631-05	**COC Number:**	---	**Receive Date:**	08/17/2012 20:00
	Project Number:	5367	**Sampling Date:**	08/16/2012 11:01
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-5-W-120816	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101479	
			Location ID (FieldPoint): MW-5	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1215631-06	**COC Number:**	---	**Receive Date:**	08/17/2012 20:00
	Project Number:	5367	**Sampling Date:**	08/16/2012 11:34
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-6-W-120816	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101479	
			Location ID (FieldPoint): MW-6	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Reported: 08/22/2012 11:21
Project: 5367
Project Number: 351563
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1215631-07	**COC Number:**	---	**Receive Date:**	08/17/2012 20:00
	Project Number:	5367	**Sampling Date:**	08/16/2012 12:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-7-W-120816	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101479			
	Location ID (FieldPoint): MW-7			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1215631-08	**COC Number:**	---	**Receive Date:**	08/17/2012 20:00
	Project Number:	5367	**Sampling Date:**	08/16/2012 10:38
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-8-W-120816	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101479			
	Location ID (FieldPoint): MW-8			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1215631-09	**COC Number:**	---	**Receive Date:**	08/17/2012 20:00
	Project Number:	5367	**Sampling Date:**	08/16/2012 10:06
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-9-W-120816	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101479			
	Location ID (FieldPoint): MW-9			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Reported: 08/22/2012 11:21
Project: 5367
Project Number: 351563
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215631-01 | **Client Sample Name:** 5367, MW-1-W-120816, 8/16/2012 9:31:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**2.4**	**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	**110**	**ug/L**	**2.5**	**EPA-8260**	ND	**A01**	2
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	**10**	**ug/L**	**1.0**	**EPA-8260**	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**2500**	**ug/L**	**250**	**Luft-GC/MS**	ND	**A01**	2
1,2-Dichloroethane-d4 (Surrogate)	109	%	75 - 125 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	104	%	75 - 125 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	108	%	80 - 120 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	96.7	%	80 - 120 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	135	%	80 - 120 (LCL - UCL)	EPA-8260		S09	1
4-Bromofluorobenzene (Surrogate)	107	%	80 - 120 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/20/12	08/21/12 03:49	JMC	MS-V12	1	BVH1619
2	EPA-8260	08/20/12	08/21/12 18:03	JMC	MS-V12	5	BVH1619

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Reported: 08/22/2012 11:21
Project: 5367
Project Number: 351563
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215631-02 | **Client Sample Name:** 5367, MW-2-W-120816, 8/16/2012 9:13:00AM

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
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	105	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	97.2	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/20/12	08/21/12 03:32	JMC	MS-V12	1	BVH1619

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Reported: 08/22/2012 11:21
Project: 5367
Project Number: 351563
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215631-03 | **Client Sample Name:** 5367, MW-3-W-120816, 8/16/2012 8:44:00AM

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
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**63**	**ug/L**	**50**	**Luft-GC/MS**	ND		1
1,2-Dichloroethane-d4 (Surrogate)	100	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	95.0	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	95.1	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/20/12	08/21/12 03:14	JMC	MS-V12	1	BVH1619

Arcadis
1900 Powell Street 12th Floor
Emeryville, CA 94608

Reported: 08/22/2012 11:21
Project: 5367
Project Number: 351563
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215631-04 | **Client Sample Name:** 5367, MW-4-W-120816, 8/16/2012 8:13:00AM

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
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	103	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	93.6	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/20/12	08/21/12 02:56	JMC	MS-V12	1	BVH1619

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Project Number: 351563
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215631-05 | **Client Sample Name:** 5367, MW-5-W-120816, 8/16/2012 11:01:00AM

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
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	92.1	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	99.0	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/20/12	08/21/12 02:38	JMC	MS-V12	1	BVH1619

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Project: 5367
Project Number: 351563
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215631-06 | **Client Sample Name:** 5367, MW-6-W-120816, 8/16/2012 11:34:00AM

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
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	108	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	91.9	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	95.9	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/20/12	08/21/12 02:20	JMC	MS-V12	1	BVH1619

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Project: 5367
Project Number: 351563
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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215631-07 | **Client Sample Name:** 5367, MW-7-W-120816, 8/16/2012 12:15:00PM

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
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	88.4	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	92.0	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/20/12	08/21/12 02:02	JMC	MS-V12	1	BVH1619

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Reported: 08/22/2012 11:21
Project: 5367
Project Number: 351563
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215631-08 | **Client Sample Name:** 5367, MW-8-W-120816, 8/16/2012 10:38:00AM

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
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**69**	**ug/L**	**50**	**Luft-GC/MS**	ND		1
1,2-Dichloroethane-d4 (Surrogate)	99.3	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	98.9	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	97.0	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/20/12	08/21/12 01:44	JMC	MS-V12	1	BVH1619

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Reported: 08/22/2012 11:21
Project: 5367
Project Number: 351563
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215631-09 | **Client Sample Name:** 5367, MW-9-W-120816, 8/16/2012 10:06:00AM

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	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
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	92.6	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	95.7	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/20/12	08/21/12 01:26	JMC	MS-V12	1	BVH1619

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Reported: 08/22/2012 11:21
Project: 5367
Project Number: 351563
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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: BVH1619						
Benzene	BVH1619-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BVH1619-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BVH1619-BLK1	ND	ug/L	0.50		
Ethylbenzene	BVH1619-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BVH1619-BLK1	ND	ug/L	0.50		
Toluene	BVH1619-BLK1	ND	ug/L	0.50		
Total Xylenes	BVH1619-BLK1	ND	ug/L	1.0		
Ethanol	BVH1619-BLK1	ND	ug/L	250		
Total Purgeable Petroleum Hydrocarbons	BVH1619-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BVH1619-BLK1	99.2	%	75 - 125 (LCL - UCL)		
Toluene-d8 (Surrogate)	BVH1619-BLK1	103	%	80 - 120 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BVH1619-BLK1	93.1	%	80 - 120 (LCL - UCL)		

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Reported: 08/22/2012 11:21
Project: 5367
Project Number: 351563
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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: BVH1619										
Benzene	BVH1619-BS1	LCS	28.800	25.000	ug/L	115		70 - 130		
Toluene	BVH1619-BS1	LCS	25.880	25.000	ug/L	104		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BVH1619-BS1	LCS	9.6300	10.000	ug/L	96.3		75 - 125		
Toluene-d8 (Surrogate)	BVH1619-BS1	LCS	10.170	10.000	ug/L	102		80 - 120		
4-Bromofluorobenzene (Surrogate)	BVH1619-BS1	LCS	10.310	10.000	ug/L	103		80 - 120		

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Reported: 08/22/2012 11:21
Project: 5367
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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: BVH1619	Used client sample: N										
Benzene	MS	1215629-01	ND	28.690	25.000	ug/L		115		70 - 130	
	MSD	1215629-01	ND	28.250	25.000	ug/L	1.5	113	20	70 - 130	
Toluene	MS	1215629-01	ND	25.090	25.000	ug/L		100		70 - 130	
	MSD	1215629-01	ND	25.270	25.000	ug/L	0.7	101	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1215629-01	ND	9.7200	10.000	ug/L		97.2		75 - 125	
	MSD	1215629-01	ND	10.040	10.000	ug/L	3.2	100		75 - 125	
Toluene-d8 (Surrogate)	MS	1215629-01	ND	9.9900	10.000	ug/L		99.9		80 - 120	
	MSD	1215629-01	ND	10.360	10.000	ug/L	3.6	104		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1215629-01	ND	10.730	10.000	ug/L		107		80 - 120	
	MSD	1215629-01	ND	10.870	10.000	ug/L	1.3	109		80 - 120	

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Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
S09	The surrogate recovery on the sample for this compound was not within the control limits.