



April 15, 2014

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

RE: First Half Monitoring Report 2014
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) 790-6463.

Sincerely,

A handwritten signature in blue ink that reads "Tim Bishop".

Tim Bishop
Union Oil of California – Project Manager

Attachment
First Half Monitoring Report 2014

RECEIVED

By Alameda County Environmental Health at 2:18 pm, Apr 16, 2014

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

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

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

Subject:
First Half Monitoring Report 2014

ENVIRONMENT

Dear Mr. Nowell:

On behalf of Chevron Environmental Management Company's affiliate, Union Oil Company of California ("Union Oil"), ARCADIS U.S., Inc (ARCADIS) is pleased to submit the enclosed First Half Monitoring Report 2014 for the following facility:

Date:
April 15, 2014

Contact:
Katherine Brandt

<u>Facility No.</u>	<u>Case No.</u>	<u>Location</u>
5367	RO0000499	500 Bancroft Avenue San Leandro, California

Phone:
510.596.9675

Email:
Katherine.Brandt@
arcadis-us.com

If you have any questions or comments regarding the contents of this document, please contact Mr. Tim Bishop of Chevron at 925-790-6463 or by e-mail at TimBishop@Chevron.com. Alternatively, you may contact Katherine Brandt of ARCADIS at 510.596.9675 or by e-mail at Katherine.Brandt@arcadis-us.com.

Our ref:
B0047943.2014

Sincerely,

ARCADIS



Katherine Brandt
Certified Project Manager



Jacob Henry, P.G.
Project Geologist

Copies:

Mr. Tim Bishop, Union Oil (electronic copy)
Ms. Cherie McCaulou (Geotracker)
Mr. Hang M. Ly, Property Owner (CD) - 169 Dhillon Court, Hayward, CA 94544

**UNION OIL OF CALIFORNIA
FIRST HALF MONITORING REPORT 2014
April 15, 2014**

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 (ACEH)
/ Mr. Keith Nowell
Case No. R00499

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

1. Gettler Ryan, Inc. conducted groundwater monitoring and sampling on February 12, 2014. 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 due to access restrictions.

All groundwater samples were analyzed for total purgeable petroleum hydrocarbons (TPPH), benzene, toluene, ethylbenzene, and total xylenes, 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. Field parameters including, electrical conductivity, depth to water, 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 TPPH and benzene are presented on **Figures 3** through **5**, respectively. Current groundwater gauging and analytical results are summarized in **Table 1**. Historical groundwater gauging and analytical results from September 2011 to present are summarized in **Table 2**. Historical groundwater results from TRC Solutions are included as **Attachment B**. A copy of the laboratory analytical report and chain-of-custody documentation is included as **Attachment C**.

Are Separate-Phase Hydrocarbons Present On-Site:	<u>No</u>
Cumulative SPH Recovered to Date:	<u>None</u>
SPH Recovered This Quarter:	<u>None</u>
Bulk Soil Removed to Date:	<u>250 cubic yards during UST removal and replacement (1987) and 30 cubic yards during product piping and dispenser removal and replacement (1998)</u>
Bulk Soil Removed this Quarter:	<u>None</u>
Water Wells or Surface Waters within a 2,000' Radius and Their Respective Directions:	<u>15 wells are located within 2,000 feet. However, no municipal wells were identified within 2000 feet of the site.</u>
Groundwater Use Designation:	<u>Municipal/Irrigation and Domestic</u>
Current Remediation Techniques:	<u>None</u>
Permits for Discharge (No.):	<u>None</u>
Approximate Depth to Groundwater:	<u>31.95 (MW-9)–33.94 (MW-5) feet below top of casing</u> Measured <input checked="" type="checkbox"/> Estimated
Approximate Groundwater Elevation:	<u>24.36 (MW-7) – 25.02 (MW-3) feet above mean sea level</u> Measured <input checked="" type="checkbox"/> Estimated
Groundwater Gradient:	<u>0.005 ft/ft</u> (Magnitude) <u>Southwest</u> (Direction)

UNION OIL OF CALIFORNIA
FIRST HALF MONITORING REPORT 2014
April 15, 2014

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

DISCUSSION:

Groundwater conditions during the first quarter 2014 remained generally consistent with historical monitoring events. TPH concentrations were detected in the groundwater samples collected from MW-1 and MW-3 at concentrations of 2,200 and 340 micrograms per liter ($\mu\text{g/L}$), respectively. Ethylbenzene was detected in the groundwater sample collected from MW-1 at a concentration of 20 $\mu\text{g/L}$, Benzene was detected in the groundwater sample collected from MW-1 at a concentration of 0.53 $\mu\text{g/L}$. Toluene, total xylenes, MTBE, EDB, EDC, and ethanol were not detected above the laboratory reporting limits in any of the groundwater samples collected.

CONCLUSIONS:

Dissolved hydrocarbon constituent concentrations have remained relatively consistent with previous sampling events. ARCADIS submitted a Conceptual Site Model and Request for Low Threat Closure (report) on November 20, 2012.

ATTACHMENTS:

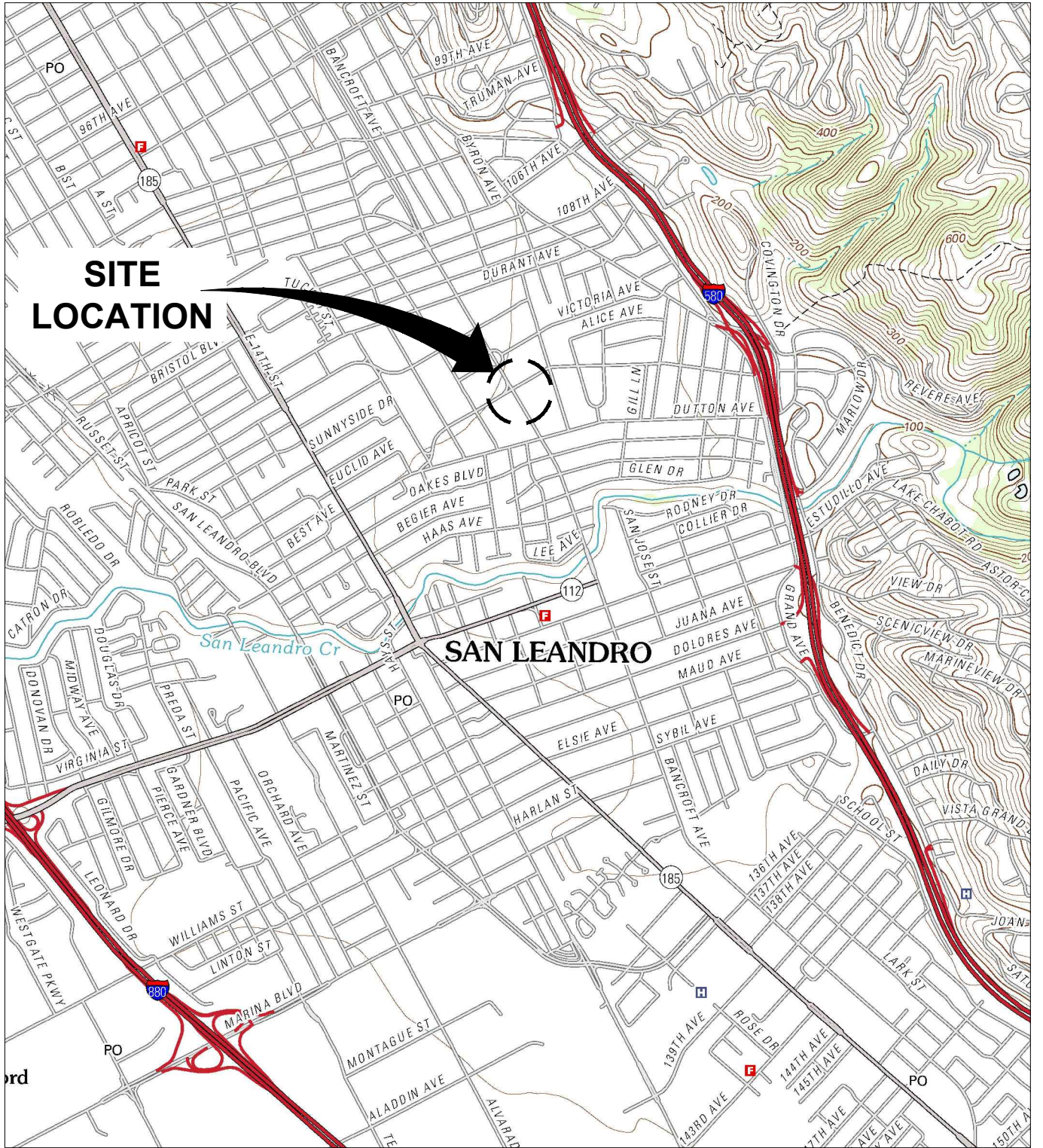
- Figure 1: Site Location Map
- Figure 2: Site Plan
- Figure 3: Groundwater Elevation Contour Map February 12, 2014
- Figure 4: TPH Isoconcentration Contour Map February 12, 2014
- Figure 5: Benzene Isoconcentration Contour Map February 12, 2014

- Table 1: Current Groundwater Gauging and Analytical Results
- Table 2: Historical Groundwater Gauging and Analytical Results: September 2011 to Present

- 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.



Approximate Scale: 1 in. = 2000 ft.



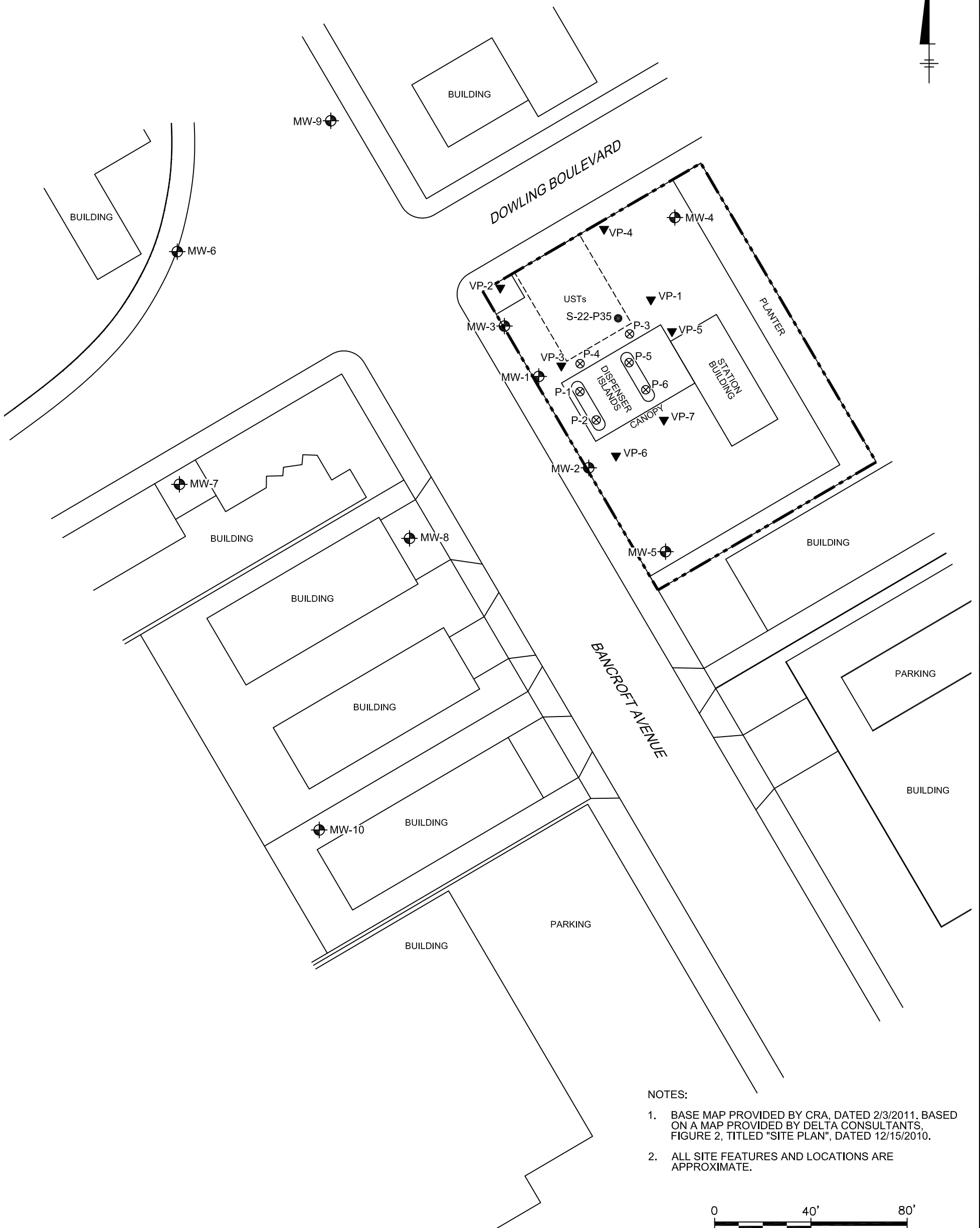
UNION OIL COMPANY OF CALIFORNIA
 76 SERVICE STATION 35-1563
 500 BANCROFT AVENUE
 SAN LEANDRO, CALIFORNIA

SITE LOCATION MAP



FIGURE

1



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.



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

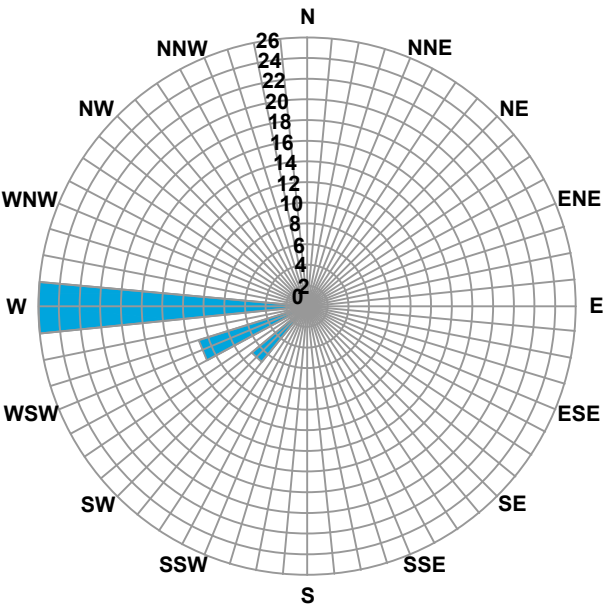
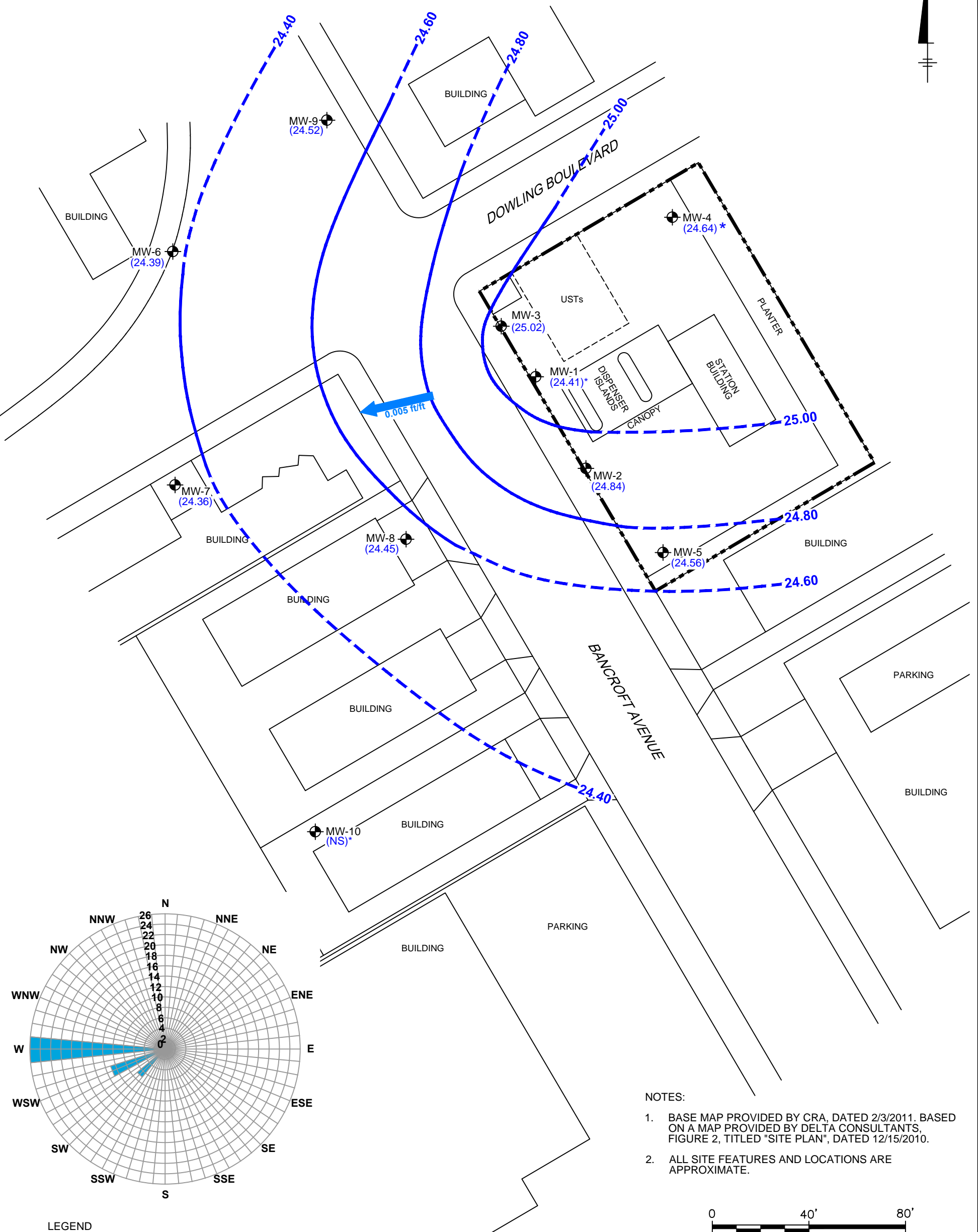
SITE PLAN



FIGURE

2

XREFS: IMAGES: PROJECTNAME: ---
 47943X01

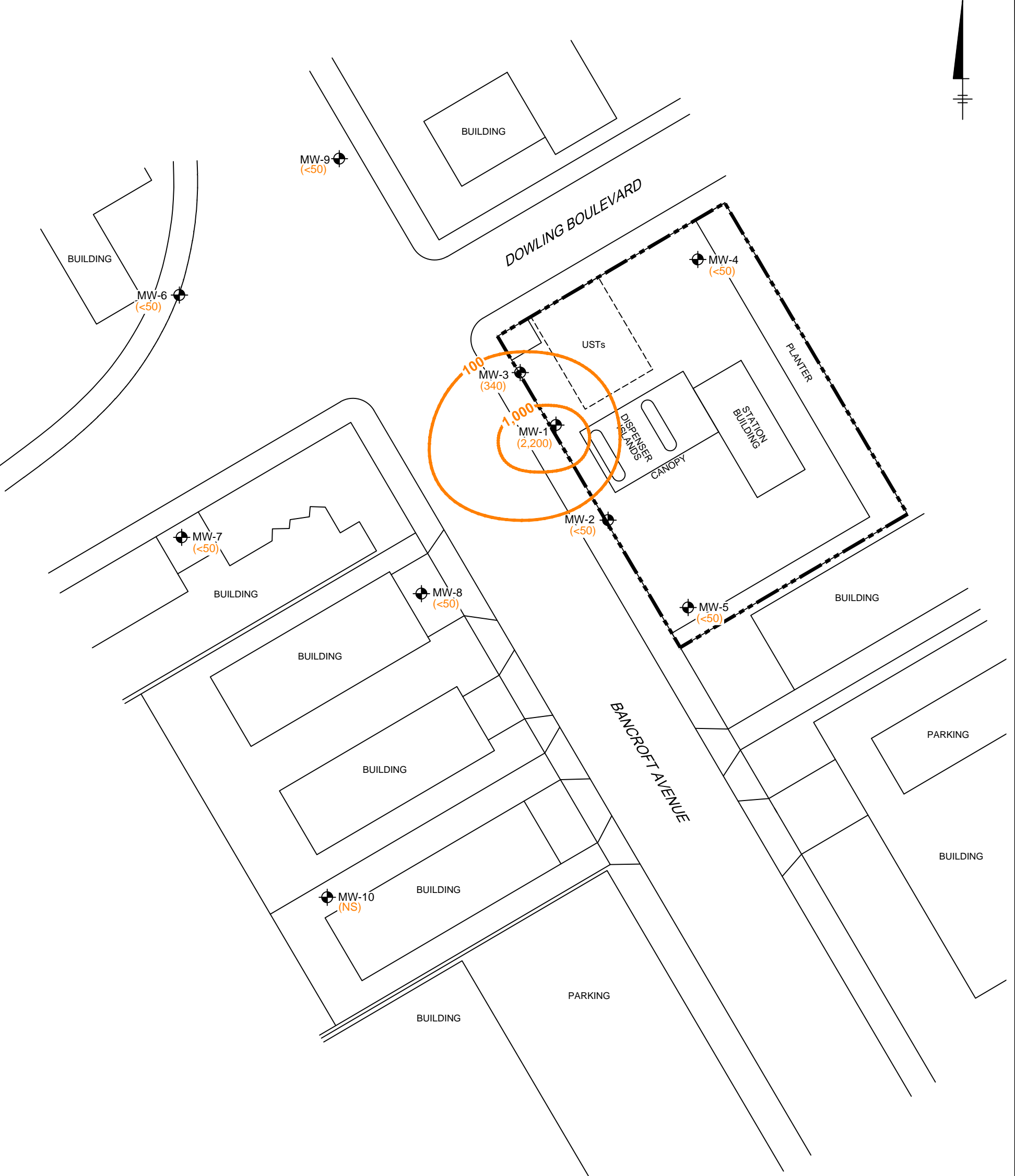


- NOTES:
1. BASE MAP PROVIDED BY CRA, DATED 2/3/2011. BASED ON A MAP PROVIDED BY DELTA CONSULTANTS, FIGURE 2, TITLED "SITE PLAN", DATED 12/15/2010.
 2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.



- LEGEND
- PROPERTY BOUNDARY
 - MW-1 MONITORING WELL
 - (24.45) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT AMSL)
 - 24.80 - - - 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 FEBRUARY 12, 2014	
	FIGURE 3

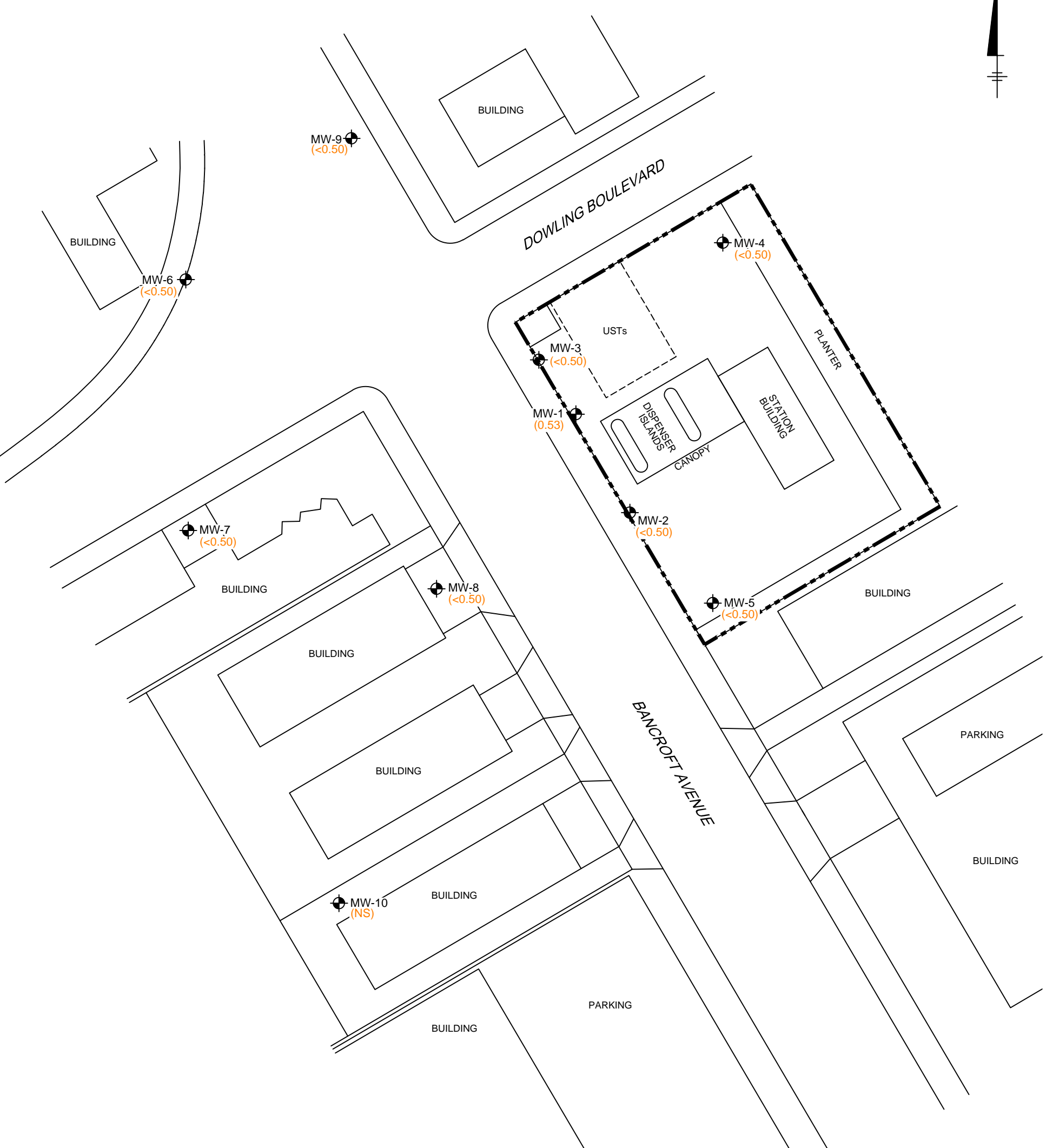


- NOTES:
1. BASE MAP PROVIDED BY CRA, DATED 2/3/2011. BASED ON A MAP PROVIDED BY DELTA CONSULTANTS, FIGURE 2, TITLED "SITE PLAN", DATED 12/15/2010.
 2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.



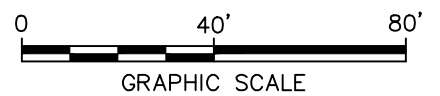
LEGEND	
	PROPERTY BOUNDARY
	MONITORING WELL
(340)	TPPH CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
	TPPH CONCENTRATION CONTOUR IN µg/L, DASHED WHERE INFERRED
(NS)	MONITORING WELL NOT SAMPLED
TPPH	TOTAL PURGEABLE PETROLEUM HYDROCARBONS
<	DETECTED BELOW LABORATORY REPORTING LIMIT

UNION OIL COMPANY OF CALIFORNIA 76 SERVICE STATION 35-1563 500 BANCROFT AVENUE SAN LEANDRO, CALIFORNIA	
TPPH ISOCONCENTRATION CONTOUR MAP FEBRUARY 12, 2014	
	FIGURE 4



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.



LEGEND

- PROPERTY BOUNDARY
- MONITORING WELL
- (<0.50) BENZENE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- (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 MAP
 FEBRUARY 12, 2014**



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Tables

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)	TPPH ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	EDC ($\mu\text{g/L}$)	Ethanol ($\mu\text{g/L}$)	Comments
MW-1	2/12/2014	57.83	33.42	--	24.41	2,200	0.53	<0.50	20	<1.0	<0.50	<0.50	<0.50	<250	A01 (TPH-g result)
MW-2	2/12/2014	58.13	33.29	--	24.84	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-3	2/12/2014	57.92	32.90	--	25.02	340	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-4	2/12/2014	58.29	33.65	--	24.64	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-5	2/12/2014	58.50	33.94	--	24.56	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-6	2/12/2014	56.96	32.57	--	24.39	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-7	2/12/2014	57.25	32.89	--	24.36	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-8	2/12/2014	57.71	33.26	--	24.45	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-9	2/12/2014	56.47	31.95	--	24.52	<50	<0.50	<0.50	<0.50	<1.0	<0.5	<0.50	<0.50	<250	
MW-10	2/12/2014	58.94	--	--	--	--	--	--	--	--	--	--	--	--	Not accessible

Notes

Analytical results given in micrograms per liter ($\mu\text{g/l}$) unless otherwise noted

-- = Not sampled or not applicable

Bold = Result detected above laboratory reporting limit

A01 = Practical quantitation limit and method detection limit are raised due to sample dilution.

Standard Abbreviations

<	not detected at or above laboratory detection limit
amsl	above mean sea level
btoc	below top of casing
DTW	depth to water
EDB	1,2-dibromoethane
EDC	1,2-dichloroethane (same as ethylene dichloride)
ft	feet
GW	groundwater
LPH	liquid-phase hydrocarbons
$\mu\text{g/l}$	micrograms per liter (approx. equivalent to parts per billion, ppb)
MTBE	methyl tertiary butyl ether
TOC	top of casing (surveyed reference elevation)
TPPH	total purgeable petroleum hydrocarbons

Table 2
Historical Groundwater Gauging and Analytical Results; September 2011 to Present
Unocal Site 5367
500 Bancroft Avenue, San Leandro, California

Notes

Analytical results given in micrograms per liter ($\mu\text{g/l}$) unless otherwise noted

-- = Not sampled or not applicable

Bold = Result detected above laboratory reporting limit

A01 = Practical quantitation limit and method detection limit are raised due to sample dilution.

Standard Abbreviations

<	not detected at or above laboratory detection limit
amsl	above mean sea level
btoc	below top of casing
DTW	depth to water
EDB	1,2-dibromoethane
EDC	1,2-dichloroethane (same as ethylene dichloride)
ft	feet
GW	groundwater
LPH	liquid-phase hydrocarbons
$\mu\text{g/l}$	micrograms per liter (approx. equivalent to parts per billion, ppb)
MTBE	methyl tertiary butyl ether
TOC	top of casing (surveyed reference elevation)
TPPH	total purgeable petroleum hydrocarbons

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Attachment A

Field Data Sheets and General Procedures



GETTLER-RYAN INC.



TRANSMITTAL

February 25, 2014
G-R #385656

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

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

**RE: Chevron Facility
#351563
500 Bancroft Avenue
San Leandro, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package Special Event of February 12, 2014

COMMENTS:

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

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

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

trans/351617/7376

WELL CONDITION STATUS SHEET

Client/
 Facility #: Chevron #351563 / 5367
 Site Address: 500 Bancroft Avenue
 City: San Leandro, CA

Job #: 385677
 Event Date: 2-12-14
 Sampler: ML

WELL ID	Vault Frame Condition	Gasket/O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retap	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/N
MW-1	OK	NA	→	→	OK	→		NO	NO	1' x 2' VAULT	NO
MW-2	OK	NA	→	→	OK	→				2' x 3' VAULT	
MW-3	OK	NA	→	→	OK	→				"	
MW-4	OK					→				EMCO/12"/2	
MW-5	OK					→				DIVERSIFIED/12"/2	
MW-6	OK					→					
MW-7	OK					→					
MW-8	OK					→					
MW-9	OK					→				MORRISON/12"/2	

Comments _____

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

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



GETTLER-RYAN Inc.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351563 / 5367
 Site Address: 500 Bancroft Avenue
 City: San Leandro, CA

Job Number: 385677
 Event Date: 2-12-14 (inclusive)
 Sampler: ML

Well ID: MW-1
 Well Diameter: Ø14 in.
 Total Depth: 35.17 ft.
 Depth to Water: 33.42 ft.

Date Monitored: 2-12-14

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

Check if water column is less than 0.50 ft.

1.75 xVF .17 = 0.2 x3 case volume = Estimated Purge Volume: 0.6 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 33.77

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

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

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

Start Time (purge): 1030 Weather Conditions: SUNNY
 Sample Time/Date: 1050 / 2-12-14 Water Color: GRAY Odor: Ø / N Light
 Approx. Flow Rate: - gpm. Sediment Description: Light
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 33.55

Time (2400 hr.)	Volume (gal.)	pH	Conductivity ^{as} (µmhos/cm µS)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)
<u>1033</u>	<u>0.25</u>	<u>7.04</u>	<u>0.21</u>	<u>17.0</u>	_____	_____
<u>1036</u>	<u>0.5</u>	<u>7.02</u>	<u>0.22</u>	<u>17.0</u>	_____	_____
<u>1039</u>	<u>0.75</u>	<u>7.02</u>	<u>0.21</u>	<u>17.1</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>BC LABS</u>	<u>TPH-GRO GC/MS/BTEX+MTBE(8260)/EDB/EDC(8260)/ETHANOL(8260)</u>

COMMENTS: _____

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



GETTLER-RYAN Inc.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351563 / 5367
 Site Address: 500 Bancroft Avenue
 City: San Leandro, CA

Job Number: 385677
 Event Date: 2-12-14 (inclusive)
 Sampler: ML

Well ID: MW-2
 Well Diameter: 21④ in.
 Total Depth: 46.70 ft.
 Depth to Water: 33.29 ft.

Date Monitored: 2-12-14

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

Check if water column is less than 0.50 ft.

13.41 xVF -66 = 8.8 x3 case volume = Estimated Purge Volume: 26.4 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 35.97

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1105 Weather Conditions: Sunny
 Sample Time/Date: 1135 / 2-12-14 Water Color: Clear Odor: Y10
 Approx. Flow Rate: 2 gpm. Sediment Description: None
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 33.86

Time (2400 hr.)	Volume (gal.)	pH	Conductivity ^{MS} (µmhos/cm-µS)	Temperature (°/ F)	D.O. (mg/L)	ORP (mV)
<u>1110</u>	<u>10</u>	<u>7.18</u>	<u>0.33</u>	<u>18.0</u>	_____	_____
<u>1115</u>	<u>20</u>	<u>7.14</u>	<u>0.36</u>	<u>18.4</u>	_____	_____
<u>1119</u>	<u>28</u>	<u>7.13</u>	<u>0.35</u>	<u>18.7</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>BC LABS</u>	<u>TPH-GRO GC/MS/BTEX+MTBE(8260)/EDB/EDC(8260)/ETHANOL(8260)</u>

COMMENTS:

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



GETTLER-RYAN Inc.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351563 / 5367
 Site Address: 500 Bancroft Avenue
 City: San Leandro, CA

Job Number: 385677
 Event Date: 2-12-14 (inclusive)
 Sampler: ML

Well ID: MW-3
 Well Diameter: 210 in.
 Total Depth: 47.86 ft.
 Depth to Water: 32.90 ft.

Date Monitored: 2-12-14

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

Check if water column is less than 0.50 ft.

Depth to Water 14.96 xVF 0.66 = 9.8 x3 case volume = Estimated Purge Volume: 29.4 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 35.89

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1150 Weather Conditions: SUNNY
 Sample Time/Date: 1220 / 2-12-14 Water Color: Clear Odor: Y10
 Approx. Flow Rate: 2 gpm. Sediment Description: None
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 34.01

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm) ^{MS}	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1155</u>	<u>10</u>	<u>6.91</u>	<u>0.35</u>	<u>18.6</u>		
<u>1200</u>	<u>20</u>	<u>6.97</u>	<u>0.38</u>	<u>18.8</u>		
<u>1205</u>	<u>30</u>	<u>6.98</u>	<u>0.39</u>	<u>18.8</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>BC LABS</u>	<u>TPH-GRO GC/MS/BTEX+MTBE(8260)/EDB/EDC(8260)/ETHANOL(8260)</u>

COMMENTS:

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351563 / 5367
 Site Address: 500 Bancroft Avenue
 City: San Leandro, CA

Job Number: 385677
 Event Date: 2-12-14 (inclusive)
 Sampler: ML

Well ID: MW-4
 Well Diameter: 210 in.
 Total Depth: 48.12 ft.
 Depth to Water: 33.65 ft.

Date Monitored: 2-12-14

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

Check if water column is less than 0.50 ft.

Depth to Water 14.47 xVF .66 = 9.5 x3 case volume = Estimated Purge Volume: 28.5 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 36.54

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0945 Weather Conditions: CLOUDY
 Sample Time/Date: 1015 / 2-12-14 Water Color: Clear Odor: Y / N
 Approx. Flow Rate: 2 gpm. Sediment Description: NONE
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 34.16

Time (2400 hr.)	Volume (gal.)	pH	Conductivity ^{MS} (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0950</u>	<u>10</u>	<u>6.69</u>	<u>0.33</u>	<u>16.8</u>	_____	_____
<u>0955</u>	<u>20</u>	<u>6.74</u>	<u>0.36</u>	<u>17.0</u>	_____	_____
<u>1000</u>	<u>30</u>	<u>6.75</u>	<u>0.35</u>	<u>17.1</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>BC LABS</u>	<u>TPH-GRO GC/MS/BTEX+MTBE(8260)/EDB/EDC(8260)/ETHANOL(8260)</u>

COMMENTS:

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351563 / 5367
 Site Address: 500 Bancroft Avenue
 City: San Leandro, CA

Job Number: 385677
 Event Date: 2-12-14 (inclusive)
 Sampler: ML

Well ID: MW-5
 Well Diameter: 2.4 in.
 Total Depth: 44.32 ft.
 Depth to Water: 33.94 ft.
10.38 xVF 1.7 = 1.7

Date Monitored: 2-12-14

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

Check if water column is less than 0.50 ft.

x3 case volume = Estimated Purge Volume: 5.1 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 36.01

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0855 Weather Conditions: CLOUDY
 Sample Time/Date: 0925 / 2-12-14 Water Color: Brown Odor: Y / N
 Approx. Flow Rate: - gpm. Sediment Description: Light
 Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 34.08

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)
<u>0901</u>	<u>2</u>	<u>7.16</u>	<u>0.34</u>	<u>17.2</u>		
<u>0907</u>	<u>4</u>	<u>7.20</u>	<u>0.36</u>	<u>17.3</u>		
<u>0912</u>	<u>5.5</u>	<u>7.21</u>	<u>0.37</u>	<u>17.3</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>BC LABS</u>	<u>TPH-GRO GC/MS/BTEX+MTBE(8260)/EDB/EDC(8260)/ETHANOL(8260)</u>

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351563 / 5367
 Site Address: 500 Bancroft Avenue
 City: San Leandro, CA

Job Number: 385677
 Event Date: 2-12-14 (inclusive)
 Sampler: ML

Well ID: MW-6
 Well Diameter: 214 in.
 Total Depth: 44.25 ft.
 Depth to Water: 32.57 ft.
11.68 xVF 17 = 1.9

Date Monitored: 2-12-14

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

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 34.90
 x3 case volume = Estimated Purge Volume: 5.7 gal.

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

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

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

Start Time (purge): 0555 Weather Conditions: FOG
 Sample Time/Date: 0625 12-12-14 Water Color: cloudy Odor: Y (N)
 Approx. Flow Rate: - gpm. Sediment Description: l. grey
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 32.71

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm) ^{MS}	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0601</u>	<u>2</u>	<u>7.16</u>	<u>0.33</u>	<u>17.2</u>	_____	_____
<u>0607</u>	<u>4</u>	<u>7.11</u>	<u>0.33</u>	<u>17.4</u>	_____	_____
<u>0613</u>	<u>6</u>	<u>7.12</u>	<u>0.34</u>	<u>17.4</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>BC LABS</u>	<u>TPH-GRO GC/MS/BTEX+MTBE(8260)/EDB/EDC(8260)/ETHANOL(8260)</u>

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351563 / 5367
 Site Address: 500 Bancroft Avenue
 City: San Leandro, CA

Job Number: 385677
 Event Date: 2-12-14 (inclusive)
 Sampler: ML

Well ID: MW-7
 Well Diameter: 2 1/4 in.
 Total Depth: 42.00 ft.
 Depth to Water: 32.89 ft.

Date Monitored: 2-12-14

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

Check if water column is less than 0.50 ft.

9.11 xVF 0.17 = 1.5 x3 case volume = Estimated Purge Volume: 4.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 34.71

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

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

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

Start Time (purge): 0640 Weather Conditions: FOG
 Sample Time/Date: 0710 12-12-14 Water Color: Clear Odor: Y/N
 Approx. Flow Rate: _____ gpm. Sediment Description: None
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 32.98

Time (2400 hr.)	Volume (gal.)	pH	Conductivity μ S/cm	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0645</u>	<u>1.5</u>	<u>6.77</u>	<u>0.25</u>	<u>15.2</u>	_____	_____
<u>0650</u>	<u>3</u>	<u>6.79</u>	<u>0.26</u>	<u>15.4</u>	_____	_____
<u>0655</u>	<u>4.5</u>	<u>6.80</u>	<u>0.25</u>	<u>15.5</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>BC LABS</u>	<u>TPH-GRO GC/MS/BTEX+MTBE(8260)/EDB/EDC(8260)/ETHANOL(8260)</u>

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351563 / 5367
 Site Address: 500 Bancroft Avenue
 City: San Leandro, CA

Job Number: 385677
 Event Date: 2-12-14 (inclusive)
 Sampler: ML

Well ID: MW-8
 Well Diameter: 214 in.
 Total Depth: 43.89 ft.
 Depth to Water: 33.26 ft.
10.63 xVF .17 = 1.8

Date Monitored: 2-12-14

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

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 35.38
 x3 case volume = Estimated Purge Volume: 5.4 gal.

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

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

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

Start Time (purge): 0725 Weather Conditions: CLOUDY
 Sample Time/Date: 0755 / 2-12-14 Water Color: CLOUDY Odor: Y10
 Approx. Flow Rate: - gpm. Sediment Description: LIGHT
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 33.30

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - US)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)
<u>0731</u>	<u>2</u>	<u>6.99</u>	<u>0.35</u>	<u>15.0</u>	_____	_____
<u>0737</u>	<u>4</u>	<u>7.02</u>	<u>0.34</u>	<u>15.1</u>	_____	_____
<u>0742</u>	<u>5.5</u>	<u>7.03</u>	<u>0.34</u>	<u>15.2</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>BC LABS</u>	<u>TPH-GRO GC/MS/BTEX+MTBE(8260)/EDB/EDC(8260)/ETHANOL(8260)</u>

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351563 / 5367
 Site Address: 500 Bancroft Avenue
 City: San Leandro, CA

Job Number: 385677
 Event Date: 2-12-14 (inclusive)
 Sampler: ML

Well ID: MW-9
 Well Diameter: 214 in.
 Total Depth: 44.51 ft.
 Depth to Water: 31.95 ft.
12.56 xVF = 2.1

Date Monitored: 2-12-14

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

Check if water column is less than 0.50 ft.

x3 case volume = Estimated Purge Volume: 6.3 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 34.46

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0810 Weather Conditions: Cloudy
 Sample Time/Date: 0840 / 2-12-14 Water Color: Cloudy Odor: Y10
 Approx. Flow Rate: - gpm. Sediment Description: light
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 32.16

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm) ^{ms}	Temperature (° / F)	D.O. (mg/L)	ORP (mV)
<u>0816</u>	<u>2</u>	<u>7.16</u>	<u>0.33</u>	<u>15.5</u>	_____	_____
<u>0822</u>	<u>4</u>	<u>7.21</u>	<u>0.34</u>	<u>15.8</u>	_____	_____
<u>0827</u>	<u>6.5</u>	<u>7.20</u>	<u>0.34</u>	<u>15.8</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-9</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>BC LABS</u>	<u>TPH-GRO GC/MS/BTEX+MTBE(8260)/EDB/EDC(8260)/ETHANOL(8260)</u>



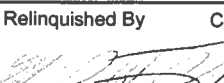

COMMENTS:

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

CHAIN OF CUSTODY FORM

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

COC 1 of 1

Union Oil Site ID: <u>5367</u>				Union Oil Consultant: <u>ARCADIS</u>				ANALYSES REQUIRED																																		
Site Global ID: <u>70600101479</u>				Consultant Contact: <u>KATHERINE BRIT</u>				TPH - Diesel by EPA 8015	TPH - G by GC/MS	BTEX/MTBE/CS/PS by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	FDB/FDC (12/6)														Turnaround Time (TAT): Standard <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 72 Hours <input type="checkbox"/>															
Site Address: <u>500 GANCREFT AVE. SAN LEANDRO, CA</u>				Consultant Phone No.: <u>(510) 596-9675</u>																							Sampling Company: <u>G-R</u>		Special Instructions													
Union Oil PM: <u>TIM BISHOP</u>				Sampled By (PRINT): <u>MIKE LUMBARD</u>																																						
Union Oil PM Phone No.: <u>(925) 790-6463</u>				Sampler Signature: 																							BC Laboratories, Inc. Project Manager: Molly Meyers 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911															
Charge Code: NWRB-0 <u>351963-0-LAB</u>																																										
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.																																										
SAMPLE ID																																										
Field Point Name		Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers																	Notes / Comments																			
<u>DA</u>		<u>W-S-A</u>		<u>140212</u>		<u>2</u>																																				
<u>MW-1</u>		<u>W-S-A</u>			<u>1050</u>	<u>3</u>																																				
<u>MW-2</u>		<u>W-S-A</u>			<u>1135</u>																																					
<u>MW-3</u>		<u>W-S-A</u>			<u>1220</u>																																					
<u>MW-4</u>		<u>W-S-A</u>			<u>1015</u>																																					
<u>MW-5</u>		<u>W-S-A</u>			<u>0925</u>																																					
<u>MW-6</u>		<u>W-S-A</u>			<u>0625</u>																																					
<u>MW-7</u>		<u>W-S-A</u>			<u>0710</u>																																					
<u>MW-8</u>		<u>W-S-A</u>			<u>0755</u>																																					
<u>MW-9</u>		<u>W-S-A</u>			<u>0840</u>																																					
		<u>W-S-A</u>																																								
		<u>W-S-A</u>																																								
Relinquished By  Company <u>G-R</u> Date / Time: <u>2-12-14 1400</u>							Relinquished By  Company <u>G-R</u> Date / Time: <u>2-12-14 1515</u>							Relinquished By _____ Company _____ Date / Time: _____																												
Received By <u>SETTLER-RYAN FRIDTE</u> Company _____ Date / Time: <u>2-12-14 1400</u>							Received By  Company <u>G-R</u> Date / Time: <u>2-12-14 1515</u>							Received By _____ Company _____ Date / Time: _____																												

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: $\text{Surface Elevation} - \text{Measured Depth to Water} + (\text{Dp} \times \text{LPH Thickness})$, 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
HISTORIC 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
HISTORIC 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
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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
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

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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
9/21/1996	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
HISTORIC 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	--	--	--	--	--	--	--	--	--
9/21/1996	57.92	29.15	0	28.77	-7.16	34000	--	140	ND	2200	6600	1800	--	Connected to system
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	--	--

Table 2
HISTORIC 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
9/9/1998	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
HISTORIC 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
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
HISTORIC 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
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
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
9/24/2004	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	--	--	--	--	--	--	--	--	--
3/18/1994	56.96	29.46	0	27.50	2.68	ND	--	ND	0.93	ND	1.4	--	--	--

Sampled semi-annually

Table 2
HISTORIC 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
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	--

Table 2
HISTORIC 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
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	--	--	--	--	--	--	--	--	--
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	--	--	--

Table 2
HISTORIC 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
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	--

Table 2
HISTORIC 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
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
HISTORIC 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
9/9/1998	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
HISTORIC 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
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
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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<0.50	--	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<0.50	--	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<0.50	--	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<0.50	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<0.50	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<0.50	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<0.50	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<0.50	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<0.50	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<0.50	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<0.50	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<0.50	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<0.50	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<0.50	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<0.50	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<0.50	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
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
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

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
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



Date of Report: 02/25/2014

Kathy Brandt

Arcadis

2000 Powell Street 7th Floor
Emeryville, CA 94608

Client Project: 351563
BCL Project: 5367
BCL Work Order: 1403537
Invoice ID: B166966

Enclosed are the results of analyses for samples received by the laboratory on 2/13/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014; AK UST101



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14-03537 Union Oil Company of California 6101 Bollinger Canyon Road San Ramon, CA 94583

Union Oil Site ID: 5367
 Site Global ID: 5000101479
 Site Address: 500 BANCROFT AVE. SAN LEANDRO, CA
 Union Oil PM: TIM BISHOP
 Union Oil PM Phone No.: (925) 790-6463
 Charge Code: NWRB-0351563-0-LAB

Union Oil Consultant: ARCADIS
 Consultant Contact: KATHERINE DEAN
 Consultant Phone No.: (510) 946-9675
 Sampling Company: G-R
 Sampled By (PRINT): MIKE LOMBARDO
 Sampler Signature: [Signature]
 BC Laboratories, Inc.
 Project Manager: Molly Meyers
 4100 Atlas Court, Bakersfield, CA 93308
 Phone No. 661-327-4911

SAMPLE ID	Field Point Name	Matrix	DTW	Date (yymmdd)	# of Containers	Sample Time	ANALYSES REQUIRED										Notes / Comments						
							TPH - Diesel by EPA 8015	TPH - G by GC/MS	BTEX/MTBE by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	FDR/EDC (8260)	Relinquished By	Company	Date / Time	Received By		Company	Date / Time				
-1	QA	W-S-A		140212	2	1056	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
-2	MW-1	W-S-A			3	1135	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
-3	MW-2	W-S-A				1220	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
-4	MW-3	W-S-A				1015	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
-5	MW-4	W-S-A				0925	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
-6	MW-5	W-S-A				0625	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
-7	MW-6	W-S-A				0710	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
-8	MW-7	W-S-A				0755	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
-9	MW-8	W-S-A				0840	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
-10	MW-9	W-S-A					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Relinquished By: [Signature] Company: G-R Date / Time: 2-12-14 1400
 Received By: [Signature] Company: G-R Date / Time: 2-13-14 1515

Relinquished By: [Signature] Company: BCLAB Date / Time: 2-13-14 1515
 Received By: [Signature] Company: BCLAB Date / Time: 2-13-14 18:30

REL. 2-13-14 2220
K0- 2-13-14 2220

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



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

Submission #: 14-03537

SHIPPING INFORMATION Federal Express <input type="checkbox"/> UPS <input type="checkbox"/> Hand Delivery <input type="checkbox"/> BC Lab Field Service <input checked="" type="checkbox"/> Other <input type="checkbox"/> (Specify) _____		SHIPPING CONTAINER Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____	FREE LIQUID YES <input type="checkbox"/> NO <input type="checkbox"/>
Refrigerant: Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Comments: _____			
Custody Seals: Ice Chest <input type="checkbox"/> Containers <input type="checkbox"/> None <input checked="" type="checkbox"/> Comments: _____ <small>Intact? Yes <input type="checkbox"/> No <input type="checkbox"/></small>			
All samples received? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> All samples containers intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Description(s) match COC? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
COC Received <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Emissivity: <u>0.95</u> Container: <u>PPE</u> Thermometer ID: <u>207</u> Temperature: (A) <u>1.1</u> °C / (C) <u>1.1</u> °C	
		Date/Time <u>2/13/14</u> ²²²⁰ Analyst Init <u>SAS</u>	

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

A2
 A3, A3, A3, A3, A3, A3, A3, A3, A3, A3

Comments: _____



Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/25/2014 10:42
Project: 5367
Project Number: 351563
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1403537-01	COC Number: --- Project Number: 5367 Sampling Location: --- Sampling Point: QA-W-140212 Sampled By: GRD	Receive Date: 02/13/2014 22:20 Sampling Date: 02/12/2014 00:00 Sample Depth: --- Lab Matrix: Water Sample Type: Blank Water Delivery Work Order: Global ID: T0600101479 Location ID (FieldPoint): QA Matrix: W Sample QC Type (SACode): CS Cooler ID:
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1403537-02	COC Number: --- Project Number: 5367 Sampling Location: --- Sampling Point: MW-1-W-140212 Sampled By: GRD	Receive Date: 02/13/2014 22:20 Sampling Date: 02/12/2014 10:56 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101479 Location ID (FieldPoint): MW-1 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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1403537-03	COC Number: --- Project Number: 5367 Sampling Location: --- Sampling Point: MW-2-W-140212 Sampled By: GRD	Receive Date: 02/13/2014 22:20 Sampling Date: 02/12/2014 11:35 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101479 Location ID (FieldPoint): MW-2 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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Project: 5367
Project Number: 351563
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1403537-04	COC Number: --- Project Number: 5367 Sampling Location: --- Sampling Point: MW-3-W-140212 Sampled By: GRD	Receive Date: 02/13/2014 22:20 Sampling Date: 02/12/2014 12:20 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101479 Location ID (FieldPoint): MW-3 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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1403537-05	COC Number: --- Project Number: 5367 Sampling Location: --- Sampling Point: MW-4-W-140212 Sampled By: GRD	Receive Date: 02/13/2014 22:20 Sampling Date: 02/12/2014 10:15 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101479 Location ID (FieldPoint): MW-4 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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1403537-06	COC Number: --- Project Number: 5367 Sampling Location: --- Sampling Point: MW-5-W-140212 Sampled By: GRD	Receive Date: 02/13/2014 22:20 Sampling Date: 02/12/2014 09:25 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101479 Location ID (FieldPoint): MW-5 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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Project Number: 351563
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1403537-07	COC Number: --- Project Number: 5367 Sampling Location: --- Sampling Point: MW-6-W-140212 Sampled By: GRD	Receive Date: 02/13/2014 22:20 Sampling Date: 02/12/2014 06:25 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101479 Location ID (FieldPoint): MW-6 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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1403537-08	COC Number: --- Project Number: 5367 Sampling Location: --- Sampling Point: MW-7-W-140212 Sampled By: GRD	Receive Date: 02/13/2014 22:20 Sampling Date: 02/12/2014 07:10 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101479 Location ID (FieldPoint): MW-7 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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1403537-09	COC Number: --- Project Number: 5367 Sampling Location: --- Sampling Point: MW-8-W-140212 Sampled By: GRD	Receive Date: 02/13/2014 22:20 Sampling Date: 02/12/2014 07:55 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101479 Location ID (FieldPoint): MW-8 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1403537-10

COC Number: ---
Project Number: 5367
Sampling Location: ---
Sampling Point: MW-9-W-140212
Sampled By: GRD

Receive Date: 02/13/2014 22:20
Sampling Date: 02/12/2014 08:40
Sample Depth: ---
Lab Matrix: Water
Sample Type: Water
Delivery Work Order:
Global ID: T0600101479
Location ID (FieldPoint): MW-9
Matrix: W
Sample QC Type (SACode): CS
Cooler ID:



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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1403537-01	Client Sample Name: 5367, QA-W-140212, 2/12/2014 12:00:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	109	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	97.9	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.7	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/22/14	02/22/14 14:39	JMS	MS-V10	1	BXB1682



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Reported: 02/25/2014 10:42
Project: 5367
Project Number: 351563
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1403537-02	Client Sample Name: 5367, MW-1-W-140212, 2/12/2014 10:56:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	0.53	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	20	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	2200	ug/L	1200	Luft-GC/MS	ND	A01	2
1,2-Dichloroethane-d4 (Surrogate)	107	%	75 - 125 (LCL - UCL)	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	110	%	75 - 125 (LCL - UCL)	EPA-8260B			2
Toluene-d8 (Surrogate)	98.7	%	80 - 120 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)	EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	99.1	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.4	%	80 - 120 (LCL - UCL)	EPA-8260B			2

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-8260B	02/22/14	02/22/14 20:12	JMS	MS-V10	1	BXB1682
2	EPA-8260B	02/22/14	02/22/14 19:54	JMS	MS-V10	25	BXB1682

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1403537-03	Client Sample Name: 5367, MW-2-W-140212, 2/12/2014 11:35:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	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-8260B			1
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.1	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/22/14	02/22/14 17:26	JMS	MS-V10	1	BXB1682



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Reported: 02/25/2014 10:42
Project: 5367
Project Number: 351563
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1403537-04	Client Sample Name: 5367, MW-3-W-140212, 2/12/2014 12:20:00PM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	340	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	109	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	95.4	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.2	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/22/14	02/22/14 17:44	JMS	MS-V10	1	BXB1682

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1403537-05	Client Sample Name: 5367, MW-4-W-140212, 2/12/2014 10:15:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	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-8260B			1
Toluene-d8 (Surrogate)	99.7	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.7	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/22/14	02/22/14 18:03	JMS	MS-V10	1	BXB1682

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Project Number: 351563
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1403537-06	Client Sample Name: 5367, MW-5-W-140212, 2/12/2014 9:25:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	107	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	82.6	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	93.2	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/22/14	02/22/14 18:21	JMS	MS-V10	1	BXB1682



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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1403537-07	Client Sample Name: 5367, MW-6-W-140212, 2/12/2014 6:25:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	97.1	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.2	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/22/14	02/22/14 18:40	JMS	MS-V10	1	BXB1682



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Project Number: 351563
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1403537-08	Client Sample Name: 5367, MW-7-W-140212, 2/12/2014 7:10:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	114	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	89.3	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.6	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/22/14	02/22/14 18:58	JMS	MS-V10	1	BXB1682



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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1403537-09	Client Sample Name: 5367, MW-8-W-140212, 2/12/2014 7:55:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	91.1	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.3	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/22/14	02/22/14 19:17	JMS	MS-V10	1	BXB1682



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

BCL Sample ID: 1403537-10	Client Sample Name: 5367, MW-9-W-140212, 2/12/2014 8:40:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	113	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.3	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/22/14	02/22/14 19:35	JMS	MS-V10	1	BXB1682



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Reported: 02/25/2014 10:42
Project: 5367
Project Number: 351563
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB1682						
Benzene	BXB1682-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BXB1682-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BXB1682-BLK1	ND	ug/L	0.50		
Ethylbenzene	BXB1682-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BXB1682-BLK1	ND	ug/L	0.50		
Toluene	BXB1682-BLK1	ND	ug/L	0.50		
Total Xylenes	BXB1682-BLK1	ND	ug/L	1.0		
Ethanol	BXB1682-BLK1	ND	ug/L	250		
Total Purgeable Petroleum Hydrocarbons	BXB1682-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BXB1682-BLK1	104	%	75 - 125 (LCL - UCL)		
Toluene-d8 (Surrogate)	BXB1682-BLK1	102	%	80 - 120 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BXB1682-BLK1	94.4	%	80 - 120 (LCL - UCL)		



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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Quals
								Percent Recovery	RPD		
QC Batch ID: BXB1682											
Benzene	BXB1682-BS1	LCS	29.400	25.000	ug/L	118		70 - 130			
Toluene	BXB1682-BS1	LCS	31.190	25.000	ug/L	125		70 - 130			
1,2-Dichloroethane-d4 (Surrogate)	BXB1682-BS1	LCS	10.510	10.000	ug/L	105		75 - 125			
Toluene-d8 (Surrogate)	BXB1682-BS1	LCS	10.160	10.000	ug/L	102		80 - 120			
4-Bromofluorobenzene (Surrogate)	BXB1682-BS1	LCS	9.7000	10.000	ug/L	97.0		80 - 120			



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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
QC Batch ID: BXB1682		Used client sample: N								
Benzene	MS	1400811-97	ND	30.310	25.000	ug/L		121		70 - 130
	MSD	1400811-97	ND	30.710	25.000	ug/L	1.3	123	20	70 - 130
Toluene	MS	1400811-97	ND	32.170	25.000	ug/L		129		70 - 130
	MSD	1400811-97	ND	32.150	25.000	ug/L	0.1	129	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	MS	1400811-97	ND	10.330	10.000	ug/L		103		75 - 125
	MSD	1400811-97	ND	10.740	10.000	ug/L	3.9	107		75 - 125
Toluene-d8 (Surrogate)	MS	1400811-97	ND	10.190	10.000	ug/L		102		80 - 120
	MSD	1400811-97	ND	10.320	10.000	ug/L	1.3	103		80 - 120
4-Bromofluorobenzene (Surrogate)	MS	1400811-97	ND	9.5800	10.000	ug/L		95.8		80 - 120
	MSD	1400811-97	ND	9.9200	10.000	ug/L	3.5	99.2		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.