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TRANSMITTAL

DATE: October 28, 2010 REFERENCE NO.: 521000

PROJECT NAME: 1137-1167 65th Street, Oakland

To: Ms. Barbara Jakub
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report - Second Half 2010

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Copy to: Mr. Frederic Schrag (electronic only)
Mr. Dennis Parfitt
Completed by: Bob Foss
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Signed: Robert Foss

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GROUNDWATER MONITORING REPORT - SECOND HALF 2010

1137-1167 65th STREET
OAKLAND, CALIFORNIA

AGENCY CASE NO. RO0000082

OCTOBER 28, 2010
REF. NO. 521000 (9)

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Prepared by:
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1.0 INTRODUCTION

On behalf of the Mr. John Nady, Trustee of the Nady Trust (Nady), Conestoga-Rovers & Associates (CRA) is submitting this *Second Half 2010 - Groundwater Monitoring Report*. This report describes activities performed during the second semi-annual groundwater monitoring event of 2010 at 1137-1167 65th Street, Oakland, California (Figure 1).

This groundwater monitoring event was conducted at the direction of the Alameda County Health Care Services Agency, Environmental Health Division (ACEH). This report presents a summary of the monitoring activities and results from the sampling event. In addition, this report contains recommendations for First Half 2011 activities.

1.1 SITE INFORMATION

Site Address	1137-1167 65 th Street, Oakland, CA
Site Use	Commercial
Client and Contact	John Nady, Trustee of the Nady Trust Contact: Frederic Schrag, Esq.
Consultant and Contact Person	CRA, Robert Foss, P.G.
Lead Agency and Contact Person	Alameda County Environmental Health Ms. Barbara Jakub
Fuel Leak Case No.	RO0000082

2.0 SITE ACTIVITIES AND RESULTS

2.1 CURRENT ACTIVITIES

On September 30 and October 1, 2010, Muskan Environmental Sampling (MES) performed semi-annual groundwater monitoring activities at the site. MES measured groundwater levels in all 17 monitoring wells and collected groundwater samples from wells MW-1A, MW-1B, MW-2A, MW-3A, MW-3B, MW-3C, MW-4A, MW-6A, MW-6B, MW-6C, MW-7A, MW-7B, and MW-7C. As discussed in a phone conversation with Ms. Barbara Jakub of ACEH, and confirmed in an email dated September 22, 2010, the “expanded analyte list” implemented during the Third Quarter 2009 event was eliminated from this and future sampling events. The scope of work for sampling and analysis was modified as follows:

- Total petroleum hydrocarbons as diesel (TPHd), gasoline (TPHg), motor oil (TPHmo), and Stoddard solvent (TPHss); and benzene, toluene, ethylbenzene, and total xylenes (BTEX) were analyzed in groundwater samples collected from monitoring wells MW-1A, MW-1B, MW-2A, MW-3A, MW-3B, MW-3C, MW-4A, MW-6A, MW-6B, MW-7A, MW-7B, and MW-7C.
- Halogenated volatile organic compounds (HVOCs) were analyzed in groundwater samples collected from monitoring wells MW-1A, MW-1B, MW-3A, MW-3B, MW-3C, MW-6A, MW-6B, MW-6C, MW-7A, MW-7B, and MW-7C.
- Bio-attenuation parameter analyses were removed.
- Oxygen isotope analyses were removed.

A copy of this email is included for your reference in Appendix A.

2.1.1 WATER LEVEL MEASUREMENTS

Groundwater monitoring and sampling activities were conducted in accordance with CRA's *Standard Field Procedures for Groundwater Monitoring and Low Flow Sampling* included as Appendix B. Depth to groundwater measurements were recorded to the nearest 0.01-foot, relative to a previously established reference elevation. Measurements were collected using an electric well sounder. Copies of the field data sheets are included as Appendix C. The groundwater level measurement data are summarized in Table 2 and illustrated for the three defined groundwater zones on Figures 2, 3 and 4.

2.1.2 GROUNDWATER SAMPLING

MES collected groundwater samples from wells MW-1A, MW-1B, MW-2A, MW-3A, MW-3B, MW-3C, MW-4A, MW-6A, MW-6B, MW-6C, MW-7A, MW-7B, and MW-7C. Prior to sampling, groundwater levels were measured and each well was purged. To purge the wells, the intake tube of a clean peristaltic pump was placed approximately 1 foot below the initial water level. Depth of groundwater was again measured prior to low-flow purging, during purging, at termination of purging, and immediately prior to sample collection. Temperature, pH, specific conductance, oxygen reduction potential (ORP) and dissolved oxygen (DO) were measured initially and at regular volume intervals. Well purging continued until consecutive pH, specific conductance and temperature measurements were relatively stable. Field measurements, purge volumes,

and sample collection data were recorded on field sampling data forms, presented in Appendix C.

Groundwater samples were collected from each well using a clean peristaltic pump. The samples were collected in 40-milliliter (mL) glass volatile organic analysis (VOA) vials and 1-liter amber glass containers supplied by McCampbell Analytical, Inc. (McCampbell) of Pittsburg, California. Sample containers were labeled, sealed in a plastic bag, and placed on ice in a chilled cooler. A chain-of-custody (COC) record was maintained and is included in Appendix D.

Groundwater samples were analyzed for TPHd, TPHg, TPHmo, and TPHss by modified United States Environmental Protection Agency (EPA) Method SW8015Bm. BTEX were analyzed by EPA Method SW8021B. Samples were also analyzed for HVOCs by EPA Method SW8260B, but only reported for the EPA Method 8010 basic target list. Samples marked for TPHd and TPHmo analysis were subjected to silica gel cleanup prior to analysis. The laboratory analytical report is included in Appendix D. Figures 2, 3, and 4 and Tables 2 and 3 document results of these analyses.

2.1.2 WASTE DISPOSAL

Approximately 5 gallons of purge water were generated during this monitoring event. This wastewater was placed in sealed Department of Transportation (DOT) approved 55-gallon drums and temporarily stored onsite for subsequent transport and disposal.

2.2 CURRENT RESULTS

A-Zone

Groundwater Flow Direction	South-Southwest
Calculate Hydraulic Gradient	0.038
Range of Measured Water Depth from Top of Casing in Monitoring Wells	2.32 to 5.80 feet
Were Measureable Separate Phase Hydrocarbons Observed	No

B-Zone

Groundwater Flow Direction	Southwest
Calculated Hydraulic Gradient	0.025
Range of Measured Water Depth from Top of Casing in Monitoring Wells	5.85 to 9.76 feet
Were Measureable Separate Phase Hydrocarbons Observed	No

C-Zone

Groundwater Flow Direction	South
Calculated Hydraulic Gradient	0.015
Range of Measured Water Depth from Top of Casing in Monitoring Wells	7.75 to 11.36 feet
Were Measureable Separate Phase Hydrocarbons Observed	No

2.2.1 GROUNDWATER FLOW DIRECTION AND GRADIENT

Depth-to-water measurements collected from all wells ranged from 2.32 to 11.36 feet (ft) below top of casing (TOC). Groundwater elevations were calculated by subtracting the depth-to-water measurements from the surveyed TOC elevations. Since the previous monitoring event, groundwater elevations have returned to within the historical elevation ranges. The groundwater elevations for A, B, and C water-bearing zones are plotted and contoured on Figures 2, 3, and 4, respectively.

The A-zone is defined as the first encountered water bearing zone and occurs from approximately 3.5 feet below ground surface (ft bgs) to 12 ft bgs. A-zone monitoring wells are MW-1A, MW-2A, MW-3A, MW-4A, MW-6A and MW-7A. The groundwater flow direction in the A-zone was calculated toward the south-southwest with an approximate gradient of 0.038 (Figure 2). The less defined B-zone occurs from approximately 13 to 24 ft bgs. B-zone monitoring wells are MW-1B, MW-3B, MW-4B, MW-5B, MW-6B and MW-7B. The groundwater flow direction in the B-zone was calculated toward the southwest at an approximate gradient of 0.025 (Figure 3). The C-zone is defined as the third water bearing zone, occurring from approximately 25 to 46 ft bgs. C-zone monitoring wells are MW-1C, MW-3C, MW-4C, MW-6C and MW-7C.

Rose diagrams depicting historical groundwater flow directions for the A, B and C-zones are presented on the respective figures. Depth-to-water and groundwater elevation data are presented in Tables 2 and 3.

2.2.2 CHEMICALS DETECTED IN A-ZONE GROUNDWATER

During this monitoring event, groundwater samples from A-zone monitoring wells MW-1A, MW-2A, MW-3A, MW-4A, MW-6A and MW-7A were analyzed for petroleum hydrocarbons and HVOCs.

Petroleum hydrocarbons were detected in all A-zone monitoring wells sampled except for MW-2A and MW-4A. Diesel-range compound concentrations ranged from 670 micrograms per liter ($\mu\text{g}/\text{L}$) in well MW-1A to 5,200 $\mu\text{g}/\text{L}$ in well MW-6A. Concentrations reported in the TPHd analyses are noted in the lab report as not representing actual diesel, and perhaps indicating the presence of mineral spirits or stoddard solvent. TPHg concentrations ranged from 1,200 $\mu\text{g}/\text{L}$ in wells MW-1A and MW-3A to 2,500 $\mu\text{g}/\text{L}$ in MW-7A. As with TPHd results, the TPHg chromatographic pattern was noted by the lab as not appearing to be derived from gasoline, and again, perhaps representing stoddard solvent or mineral spirits. TPHmo was detected above the laboratory reporting limit only in well MW-6A at 2,900 $\mu\text{g}/\text{L}$. Detected concentrations of TPH as stoddard solvent (TPHss) were reported in wells MW-1A, MW-3A, MW-6A and MW-7A, ranging from 1,300 $\mu\text{g}/\text{L}$ in MW-1A to 3,400 $\mu\text{g}/\text{L}$ in well MW-7A.

Tetrachloroethene (PCE) and trichloroethene (TCE) were detected in MW-1A at concentrations of 2.5 and 2.6 $\mu\text{g}/\text{L}$, respectively. Concentrations of 1,2-Dichloroethane, cis-1,2-Dichloroethene and Vinyl Chloride were reported in well MW-1A at 1.1, 13 and 1.5 $\mu\text{g}/\text{L}$, respectively.

A-zone groundwater analytical data and water level data are presented in Tables 2 and 3, and summarized on Figure 2.

2.2.3 CHEMICALS DETECTED IN B-ZONE GROUNDWATER

During this monitoring event, groundwater samples from B-zone monitoring wells MW-1B, MW-3B, MW-6B and MW-7B were analyzed for petroleum hydrocarbons by

EPA Methods SW8015C and SW8021B, and wells MW-1B, MW-3B, MW-6B and MW-7B were analyzed for HVOCs.

Petroleum hydrocarbons were detected in B-zone monitoring wells MW-6B and MW-7B. TPHg, TPHd and TPHss were detected in well MW-6B at concentrations of 1,200, 910 and 1,600 µg/L, respectively. TPHg, TPHd and TPHss were detected in well MW-7B at concentrations of 94, 52 and 120 µg/L, respectively. Cis-1,2-Dichloroethene was detected in wells MW-1B and MW-6B at concentrations of 7.9 and 0.69 µg/L, respectively. 1,1-Dichloroethane and 1,2-Dichloroethane were detected in well MW-1B at concentrations of 15 and 6.4 µg/L, respectively. No PCE or TCE were detected in the B-zone wells sampled during this event.

B-zone groundwater analytical data and water level data are presented in Tables 2 and 3 and summarized on Figure 3.

2.2.4 CHEMICALS DETECTED IN C-ZONE GROUNDWATER

Groundwater samples from C-zone monitoring wells MW-3C and MW-7C were analyzed for petroleum hydrocarbons by EPA Methods SW8015C and SW8021B. Wells MW-3C, MW-6C and MW-7C were analyzed for HVOCs.

Petroleum hydrocarbons in the C-zone were detected only monitoring well MW-7C. TPHg, TPHd and TPHss were detected in MW-7C at concentrations of 87, 62 and 110 µg/L, respectively.

No HVOCs were detected in C-zone wells.

C-zone groundwater analytical data and water level data are presented in Tables 2 and 3, and summarized on Figure 4.

2.2.5 GEOTRACKER SUBMITTALS

CRA uploaded the Second Half 2010 groundwater depth data, analytical results and this report to the State's GeoTracker database on behalf of the Nady Trust.

2.3 PROPOSED ACTIVITIES FOR FIRST HALF 2011

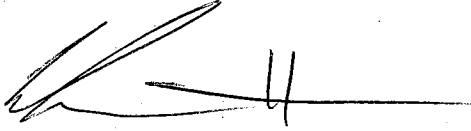
2.3.1 GROUNDWATER MONITORING

A semi-annual groundwater monitoring and sampling event will occur during the First Quarter 2011, and a report will be prepared detailing the activities and reported results. The report will to be reviewed, finalized and submitted to ACEH. Groundwater analytical and elevation data, as well as the completed final report will be uploaded to GeoTracker. The First Half 2011 groundwater monitoring report will be submitted via ACEH's file transfer protocol (ftp) site and notification will be sent to Ms. Jakub via e-mail.

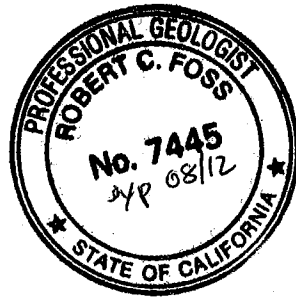
2.3.2 SUBSLAB VAPOR PROBE INSTALLATION, SAMPLING AND ADDITIONAL SITE CHARACTERIZATION

CRA, on behalf of Mr. Nady, submitted a workplan for the installation and sampling of subslab vapor probes, and additional site characterization downgradient along Ocean Avenue. An addendum to the workplan was submitted to ACEH on September 29, 2010 to address agency concerns stated in a letter dated August 3, 2010. CRA will begin implementing this scope of work upon receipt of written agency approval. We anticipate this to occur during the Fourth Quarter 2010, or early First Quarter 2011. A report documenting these activities and a Site Conceptual Model will be generated and submitted approximately 60 days after receipt of laboratory data from this investigation.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES



Calvin Hee

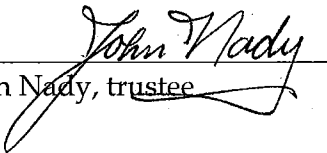


Robert Foss, P.G.

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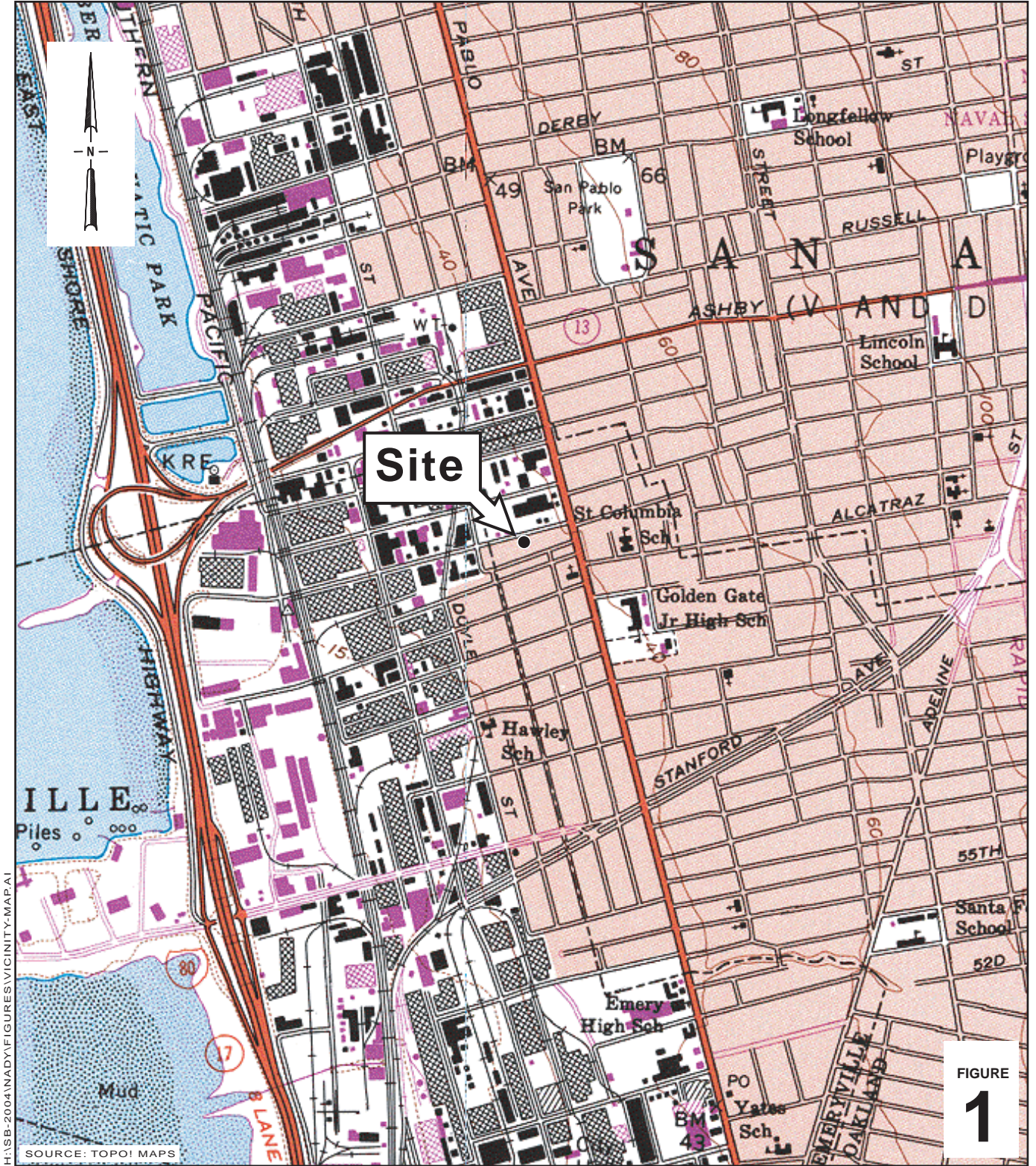
I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Nady Trust U/D/T dated 1/21/1997



John Nady, trustee

FIGURES



H:\SB-2004\NADY\FIGURES\VICINITY-MAP.A1

SOURCE: TOPOI MAPS

0 1/8 1/4 1/2 1
SCALE : 1" = 1/4 MILE

FIGURE
1



**CONESTOGA-ROVERS
& ASSOCIATES**

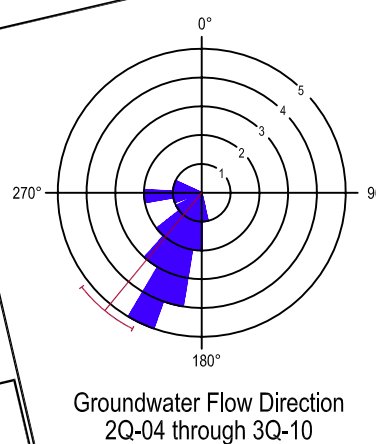
Vicinity Map

1137 - 1167 65th Street
Oakland, California

EXPLANATION

- MW-1A Monitoring well location
- 1 Former tank location and tank nomenclature
- - - Product piping
- o Product piping stub-ups (unconfirmed due to the presence of flooring and materials storage)
- - - Electrical line
- - - Storm drain
- - - Sanitary sewer line
- - - Water line
- - - Gas line
- - - Communications line
- - - Undefined piping
- 36.00 Groundwater elevation contour line in feet above mean sea level (MSL)
- ← 0.015 Groundwater flow direction and gradient
- - - Not analyzed

Well ID	Monitoring Well Designation
ELEV.	Groundwater elevation in feet above mean sea level (MSL)
TPHd	
TPHss	
TPHg	
PCE	Concentrations in groundwater in micrograms per liter
TCE	
cis-1,2-DCE	
Vinyl Chloride	



MW-7A
36.23
2,100
3,400
2,500
<0.5
<0.5
<0.5
<0.5

MW-6A
32.28
5,200
2,300
2,200
<0.5
<0.5
<0.5
<0.5

MW-1A
33.84
670
1,300
1,200
2.5
2.6
13
1.5

MW-2A
34.94
<50
<50
- - -
- - -
- - -
- - -

MW-3A
36.67
1,300
1,600
1,200
<2.5
<2.5
<2.5

MW-4A
36.39
<50
<50
- - -
- - -
- - -

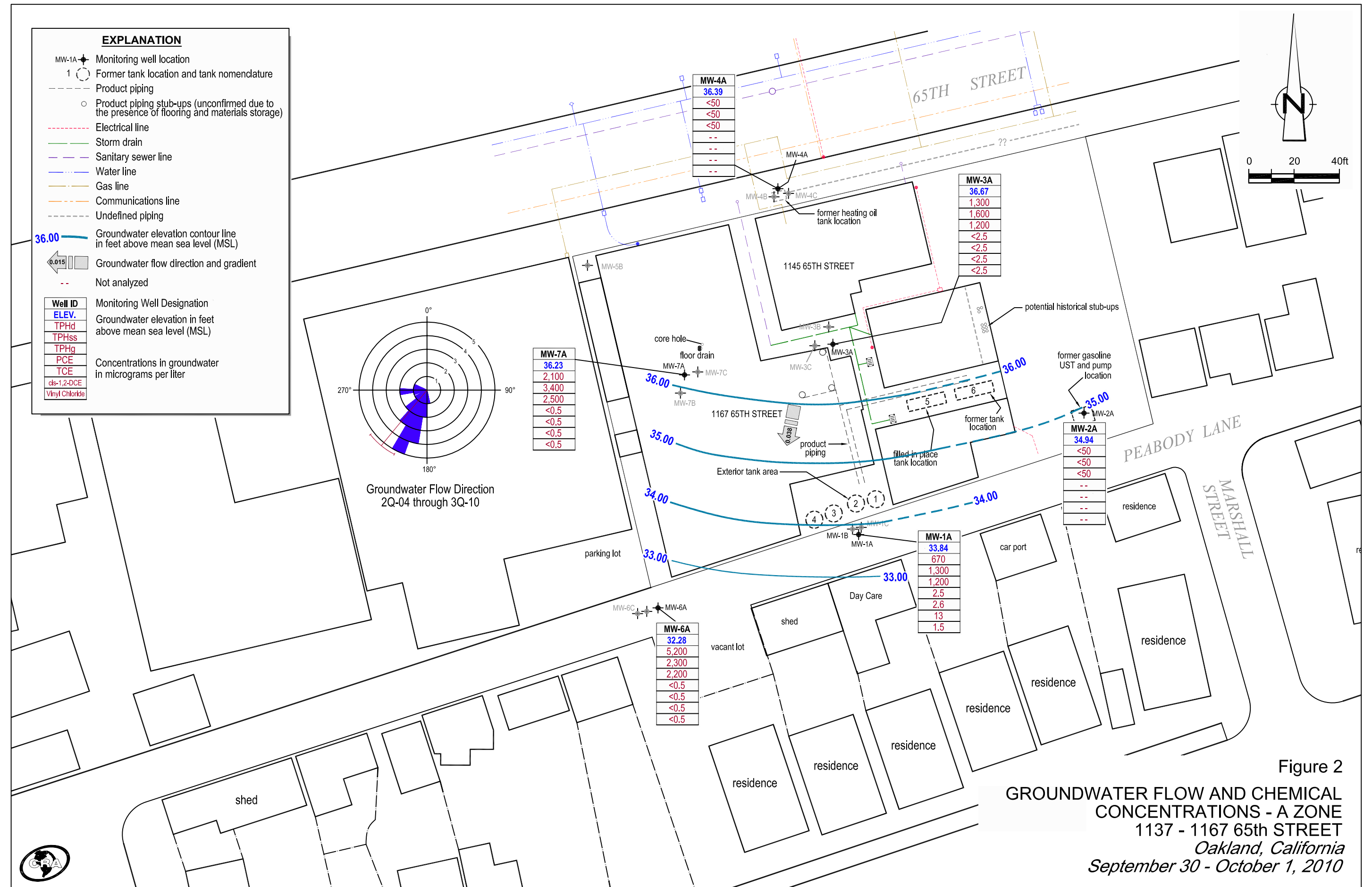


Figure 2
GROUNDWATER FLOW AND CHEMICAL
CONCENTRATIONS - A ZONE
1137 - 1167 65TH STREET
Oakland, California
September 30 - October 1, 2010



EXPLANATION

- MW-1B Monitoring well location
- 1 Former tank location and tank nomenclature
- Product piping
- Product piping stub-ups (unconfirmed due to the presence of flooring and materials storage)
- Electrical line
- Storm drain
- Sanitary sewer line
- Water line
- Gas line
- Communications line
- Undefined piping
- 30.00 Groundwater elevation contour line in feet above mean sea level (MSL)
- Groundwater flow direction and gradient
- Not analyzed

Well ID	Monitoring Well Designation
ELEV.	Groundwater elevation in feet above mean sea level (MSL)
TPHd	
TPHss	
TPHg	
PCE	Concentrations in groundwater in micrograms per liter
TCE	
cis-1,2-DCE	
Vinyl Chloride	

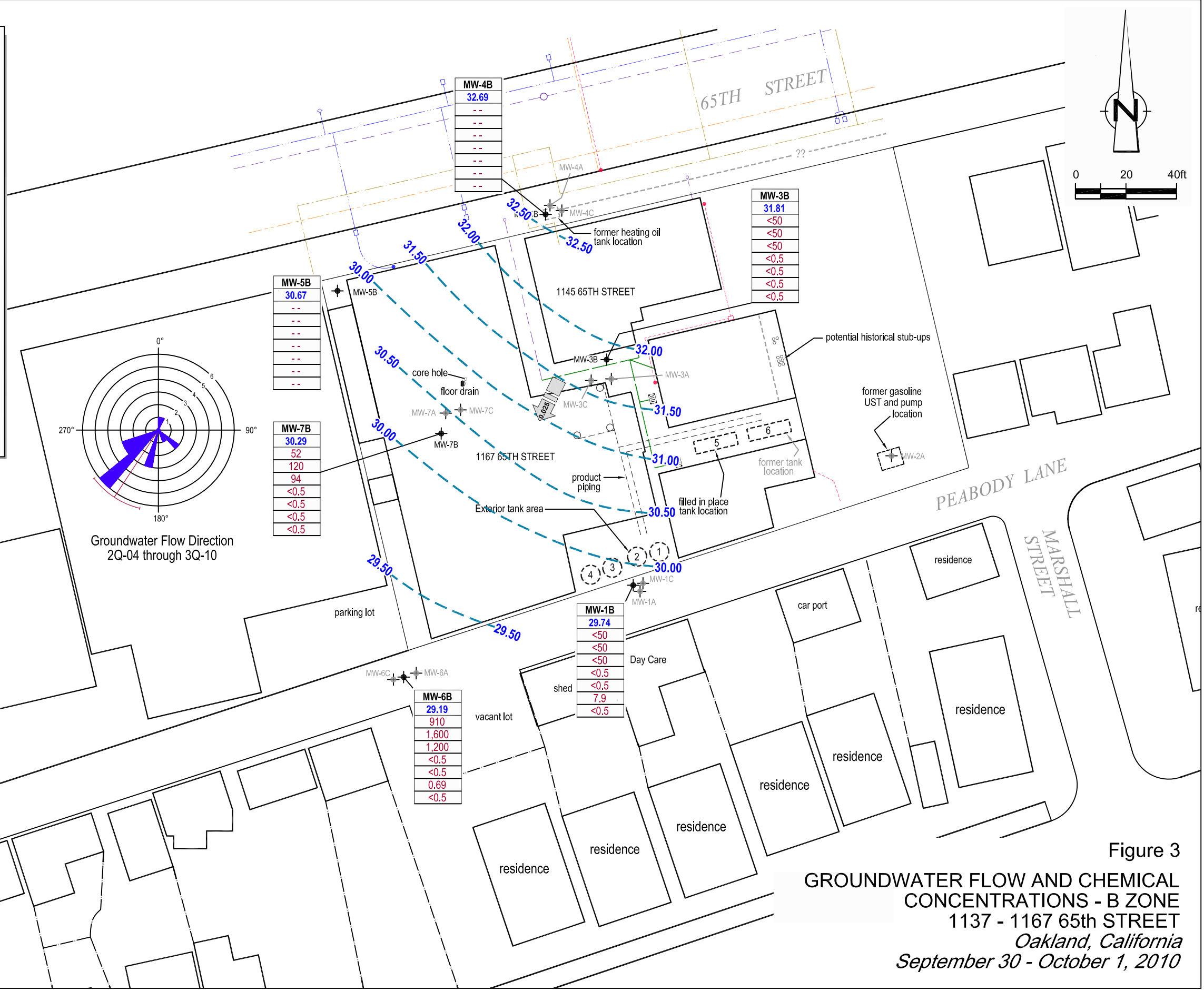
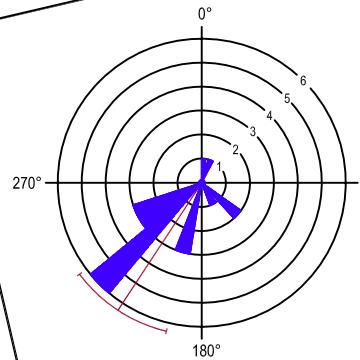


Figure 3
GROUNDWATER FLOW AND CHEMICAL CONCENTRATIONS - B ZONE
1137 - 1167 65th STREET
Oakland, California
September 30 - October 1, 2010

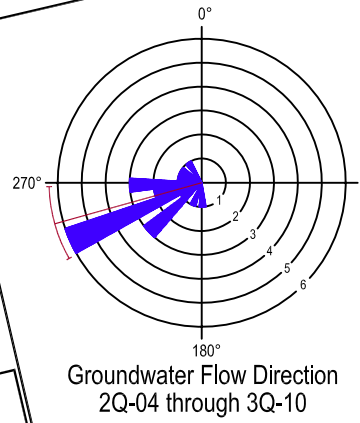


EXPLANATION

- MW-1A Monitoring well location
- 1 Former tank location and tank nomenclature
- Product piping
- Product piping stub-ups (unconfirmed due to the presence of flooring and materials storage)
- Electrical line
- Storm drain
- Sanitary sewer line
- Water line
- Gas line
- Communications line
- Undefined piping
- 30.00 Groundwater elevation contour line in feet above mean sea level (MSL)
- Groundwater flow direction and gradient
- Not analyzed

Well ID	Monitoring Well Designation
ELEV.	Groundwater elevation in feet above mean sea level (MSL)
TPHd	
TPHss	
TPHg	
PCE	Concentrations in groundwater in micrograms per liter
TCE	
cis-1,2-DCE	
Vinyl Chloride	

29.75* Groundwater elevation anomalous, not used in contouring



MW-7C	ELEV.	TPHd	TPHss	TPHg	PCE	TCE	cis-1,2-DCE	Vinyl Chloride
	29.71	62	110	87	<0.5	<0.5	<0.5	<0.5

MW-1C	ELEV.	TPHd	TPHss	TPHg	PCE	TCE	cis-1,2-DCE	Vinyl Chloride
	29.75*	--	--	--	--	--	--	--

MW-6C	ELEV.	TPHd	TPHss	TPHg	PCE	TCE	cis-1,2-DCE	Vinyl Chloride
	29.16	--	--	--	<0.5	<0.5	<0.5	<0.5

MW-4C	ELEV.	TPHd	TPHss	TPHg	PCE	TCE	cis-1,2-DCE	Vinyl Chloride
	30.75	--	--	--	--	--	--	--

MW-3C	ELEV.	TPHd	TPHss	TPHg	PCE	TCE	cis-1,2-DCE	Vinyl Chloride
	30.75	--	--	--	<0.5	<0.5	<0.5	<0.5

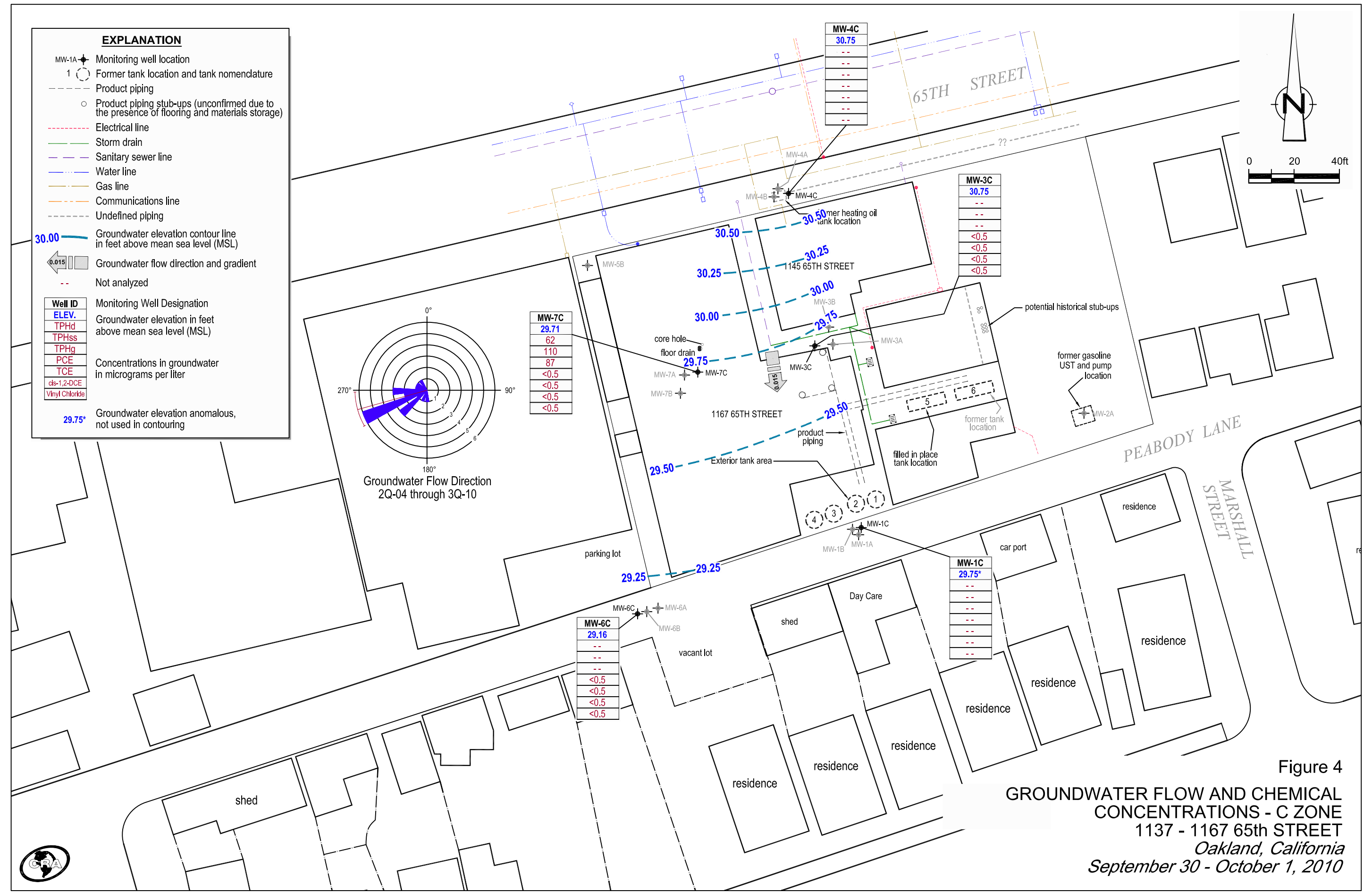


Figure 4
GROUNDWATER FLOW AND CHEMICAL CONCENTRATIONS - C ZONE
 1137 - 1167 65th STREET
 Oakland, California
 September 30 - October 1, 2010



TABLES

TABLE 1

WELL CONSTRUCTION DETAILS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

<i>Well ID</i>	<i>Date Installed</i>	<i>Borehole Depth (ft)</i>	<i>Borehole Diameter (inches)</i>	<i>Casing Diameter (in)</i>	<i>Screen Interval (ft bgs)</i>	<i>Screen Size (in)</i>	<i>Filter Pack (ft bgs)</i>	<i>Bentonite Seal (ft bgs)</i>	<i>Cement Seal (ft bgs)</i>	<i>TOC Elevation (ft msl)</i>	<i>First Water (ft bgs)</i>
<u>A-Zone Monitoring Wells</u>											
MW-1A	5/10/2004	14.5	8	2	4.5 - 14.5	0.010	3.5 - 14.5	2.5 - 3.5	0 - 2.5	39.64	7.0
MW-2A	5/11/2004	12.0	10	4	3.0 - 12.0	0.020	2.5 - 3.0	1.0 - 2.5	0 - 1.0	40.72	4.5
MW-3A	5/7/2004	16.0	8	2	3.5 - 14.0	0.010	3.0 - 3.5	2.0 - 3.0	0 - 2.0	40.88	4.0
MW-4A	5/18/2004	16.0	8	2	3.0 - 13.0	0.010	2.5 - 13.0	1.5 - 2.5	0 - 1.5	38.71	NA
MW-6A	5/11/2004	14.5	8	2	4.5 - 14.5	0.010	3.5 - 14.5	1.5 - 3.5	0 - 1.5	37.98	12.0
MW-7A	5/7/2004	10.0	6.5	1	5.0 - 10.0	0.010	4.0 - 10.0	3.0 - 4.0	0 - 3.0	40.58	6.0
<u>B-Zone Monitoring Wells</u>											
MW-1B	5/12/2004	20.0	8	2	16.5 - 20.0	0.010	15.5 - 20.0	13.0 - 15.5	0 - 13.0	39.50	7.0
MW-3B	8/17/2009	24.0	5	1	17.0 - 24.0	0.010	15.0 - 24.0	13.0 - 15.0	0 - 13.0	40.62	NA
MW-4B	5/18/2004	24.0	8	2	17.0 - 21.0	0.010	16.0 - 21.0	12.0 - 14.0 21.0 - 24.0	0 - 12.0	38.54	3.5
MW-5B	5/18/2004	24.0	8	2	15.0 - 24.0	0.010	14.0 - 24.0	12.0 - 14.0	0 - 12.0	38.98	NA
MW-6B	5/12/2004	24.5	8	2	17.0 - 22.0	0.010	16.0 - 22.0	14.0 - 16.0 22.0 - 24.5	0 - 14.0	37.66	15.5
MW-7B	8/14/2009	24.0	5	1	17.0 - 24.0	0.010	16.0 - 24.0	14.0 - 16.0	0 - 14.0	40.05	12.0
<u>C-Zone Monitoring Wells</u>											
MW-1C	5/10/2004	40.0	8	2	25.0 - 34.0	0.010	24.0 - 34.0	22.0 - 24.0 34.0 - 40.0	0 - 22.0	39.49	7.0
MW-3C	8/13/2009	40.0	5	1	27.0 - 38.0	0.010	26.0 - 38.0	24.0 - 26.0 38.0 - 40.0	0 - 24.0	41.00	12.0
MW-4C	5/17/2004	40.0	8	2	27.0 - 32.0	0.010	26.0 - 27.0	24.0 - 26.0 32.0 - 40.0	0 - 24.0	38.50	12.0
MW-6C	5/11/2004	39.5	8	2	26.5 - 34.0	0.010	25.5 - 34.0	23.0 - 25.0 34.0 - 39.5	0 - 23.0	37.59	15.0
MW-7C	8/14/2009	35.0	5	1	25.0 - 35.0	0.010	23.0 - 35.0	21.0 - 23.0	0 - 21.0	40.44	12.0

Abbreviations / Notes

ft = feet

in = inches

ft bgs = feet below grade surface

ft msl = feet above mean sea level

TOC = top of casing

TABLE 2

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS

JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft, TOC)	TPHss (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Notes
MW-1A	6/3/2004	Zone A	35.14	4.50	2,500	1,300	260	1,400	ND<0.5	ND<0.5	2.0	11	ND<5.0	
39.64	11/23/2004		36.54	3.10	2,800	1,400	ND<250	2,300	0.64	ND<0.5	2.5	9.7	6.8	a,b,c
	3/14/2005		37.02	2.62	6,000	3,200	ND<250	4,800	0.68	ND<0.5	2.0	6.8	ND<5.0	d,e
	6/15/2005		35.14	4.50	3,400	2,500	ND<250	2,800	ND<2.5	ND<2.5	ND<2.5	5.9	ND<25	a,b,h,i,c
	9/19/2005		33.14	6.50	6,000	2,800	ND<250	4,100	ND<1.0	ND<1.0	3.3	6.2	ND<10	a,b,i,c
	12/12/2005		35.14	4.50	3,100	2,500	ND<250	2,600	ND<1.7	ND<1.7	2.7	6.5	ND<17	a,b,c,h,i
	3/13/2006		37.74	1.90	2,400	2,300	ND<250	2,000	0.51	ND<0.5	1.9	3.5	--	a,b,c,i
	6/19/2006		35.94	3.70	3,500	2,600	ND<250	2,200	0.52	ND<0.5	2.9	6.7	--	m,b,c
	9/20/2006		34.19	5.45	2,400	2,400	ND<250	2,200	ND<2.5	ND<2.5	3.0	9.7	--	a,b,c,i
	12/20/2006		37.02	2.62	1,400	1,900	ND<250	1,300	0.52	ND<0.5	2.9	7.6	--	a,e,h
	3/29/2007		37.04	2.60	2,100	1,200	ND<250	1,800	ND<0.5	ND<0.5	2.2	6.4	ND<5.0	a,b,c
	6/11/2007		35.72	3.92	2,200	2,200	ND<250	3,200	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,b,c
	9/7/2007		33.90	5.74	1,700	1,800	ND<250	2,300	ND<0.5	ND<0.5	2.2	4.6	ND<5.0	a,b,c
	12/12/2007		36.53	3.11	3,400	2,500	ND<250	3,100	ND<5.0	ND<5.0	ND<5.0	12	ND<50	a,c
	3/7/2008		37.23	2.41	1,600	1,700	ND<250	2,200	ND<0.5	ND<0.5	2.3	8.9	--	a,c
	6/9/2008		34.69	4.95	2,500	2,000	ND<250	2,200	ND<2.5	ND<2.5	3.4	8.1	ND<25	a,b,c,i
	9/5/2008		33.58	6.06	2,600	1,400	ND<250	2,300	ND<5.0	ND<5.0	ND<5.0	6.4	ND<50	a,c
	12/18/2008		36.68	2.96	1,900	1,800	ND<250	1,600	ND<0.5	ND<0.5	3.3	ND<0.5	--	a,b,c
	3/30/2009		37.28	2.36	3,100	1,800	ND<250	2,000	1.7	ND<1.0	3.4	5.3	ND<10	b,c,m
	9/21-22/2009		34.87	4.77	2,900	4,600	ND<250	2,600	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,h
	3/8/2010		38.09	1.55	1,200	920	ND<250	1,100	ND<0.5	ND<0.5	0.88	1.6	--	a,b,c
	9/30/2010		33.84	5.80	1,300	670	ND<250	1,200	--	--	--	--	--	a,b,c
MW-2A	6/3/2004	Zone A	36.48	4.24	3,500	2,900	ND<250	1,700	ND<0.5	3.5	4.9	5.1	ND<5.0	
40.72	11/23/2004		37.83	2.89	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		39.02	1.70	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	260	560	450	360	ND<0.5	2.5	ND<0.5	ND<0.5	ND<5.0	e,d,g,i
	6/15/2005		37.91	2.81	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	430	470	330	480	ND<0.5	2.9	ND<0.5	ND<0.5	ND<5.0	a,b,i,g,e
	9/19/2005		35.46	5.26	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	960	2,100	870	960	ND<0.5	4.7	2.9	ND<0.5	ND<5.0	e,g,b,i,l
	12/12/2005		37.66	3.06	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	510	700	470	670	ND<0.5	5.9	ND<0.5	ND<0.5	ND<5.0	a,b,e,g,i

TABLE 2

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft, TOC)	TPHss (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Notes
MW-2A	3/13/2006		40.33	0.39	--	--	--	--	--	--	--	--	--	
cont.	3/14/2006		--	--	81	81	ND<250	100	ND<0.5	1.5	ND<0.5	ND<0.5	--	a,b,c,i
	6/19/2006		37.31	3.41	--	--	--	--	--	--	--	--	--	
	6/20/2006		--	--	180	530	420	270	ND<0.5	1.7	ND<0.5	ND<0.5	--	e,g,i,l
	9/20/2006		34.65	6.07	1,700	800	730	1,700	ND<2.5	5.5	ND<2.5	ND<2.5	--	a,b,d,e,g,i
	12/20/2006		38.57	2.15	61	190	300	94	ND<0.5	1.5	ND<0.5	ND<0.5	--	e,g,m,n
	3/29/2007		38.22	2.50	240	200	ND<250	260	ND<0.5	2.7	ND<0.5	ND<0.5	ND<5.0	a,b,c
	6/11/2007		37.14	3.58	94	200	ND<250	180	ND<0.5	1.7	ND<0.5	ND<0.5	--	a,b,c,i
	9/7/2007		35.04	5.68	180	190	ND<250	240	ND<0.5	0.98	ND<0.5	ND<0.5	ND<5.0	a,b,c,i
	12/12/2007		37.82	2.90	140	220	360	190	ND<0.5	2.9	ND<0.5	ND<0.5	ND<5.0	a,b,g,e
	3/7/2008		38.79	1.93	ND<50	90	ND<250	100	ND<0.5	1.2	ND<0.5	ND<0.5	--	e,b
	6/9/2008		36.18	4.54	180	150	ND<250	180	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	a,b,e,i
	9/5/2008		34.46	6.26	220	180	310	300	ND<0.5	1.2	0.59	ND<0.5	ND<5.0	e,g,i,l
	12/18/2008		37.55	3.17	93	170	320	140	ND<0.5	2.7	ND<0.5	ND<0.5	--	a,b,c,d,g,i
	3/30/2009		38.76	1.96	ND<50	99	ND<250	96	ND<0.5	3.2	ND<0.5	ND<0.5	ND<5.0	b,d,e
	9/21-22/2009		35.99	4.73	83	75	ND<250	92	ND<0.5	0.88	ND<0.5	ND<0.5	--	c,i,l
	3/8/2010		39.76	0.96	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	
	9/30-10/1/2010		34.94	5.78	ND<50	ND<50	ND<250	ND<50	--	--	--	--	--	
MW-3A	6/3/2004	Zone A	36.56	4.32	12,000	90,000	6,000	4,800	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	
40.88	11/23/2004		37.89	2.99	5,700	22,000	ND<2,500	3,800	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,c,d
	3/14/2005		37.28	3.60	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	3,500	37,000	ND<2,500	2,400	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<17	e,d,i
	6/15/2005		36.78	4.10	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	3,300	15,000	ND<1,200	2,100	ND<1.7	ND<1.7	ND<1.7	2.4	ND<17	a,c,d,h,i
	9/19/2005		35.93	4.95	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	8,000	55,000	ND<5,000	4,700	ND<1.0	ND<1.0	2.6	6.8	ND<10	a,b,c,d,i
	12/12/2005		36.72	4.16	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	1,600	34,000	ND<12,000	1,100	ND<1.7	ND<1.7	ND<1.7	2.3	ND<17	a,b,c,d,h,i
	3/13/2006		37.42	3.46	--	--	--	--	--	--	--	--	--	
	3/14/2006		--	--	3,300	21,000	1,600	2,200	ND<0.5	ND<0.5	1.1	ND<0.5	--	a,c,d,g,h
	6/19/2006		36.48	4.40	--	--	--	--	--	--	--	--	--	
	6/20/2006		--	--	16,000	19,000	1,000	8,000	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	c,d,g,h,m

TABLE 2

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS

JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft, TOC)	TPHss (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Notes
MW-3A	9/20/2006		35.78	5.10	3,300	13,000	1,300	2,500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,g,h,i
cont.	12/20/2006		36.78	4.10	3,500	15,000	670	2,600	ND<2.5	ND<2.5	ND<2.5	7.6	--	e,g,h,n
	3/29/2007		36.82	4.06	3,400	21,000	940	2,600	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,c,d,h
	6/11/2007		36.52	4.36	3,500	13,000	730	5,200	ND<10	ND<10	ND<10	ND<10	--	a,d,h
	9/7/2007		35.98	4.90	15,000	36,000	1,600	11,000	ND<10	ND<10	ND<10	ND<10	ND<100	a,c,d,h
	12/12/2007		36.54	4.34	13,000	41,000	ND<2,500	9,500	ND<5.0	7.1	ND<5.0	32	ND<50	a,c,h
	3/7/2008		36.87	4.01	2,800	26,000	1,200	3,200	ND<2.5	ND<2.5	ND<2.5	2.5	--	a,h,c
	6/9/2008		36.03	4.85	16,000	20,000	ND<1,200	7,500	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,h,i
	9/5/2008		35.78	5.10	19,000	17,000	1,200	15,000	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,h
	12/18/2008		36.65	4.23	6,600	25,000	ND<2,500	4,700	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	c,m,h
	3/30/2009		37.19	3.69	15,000	31,000	ND<2,500	8,300	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	c,h,m
	9/21-22/2009		36.56	4.32	11,000	31,000	1,300	7,500	5.8	7.5	ND<5.0	ND<5.0	--	a,c,d,i
	3/8/2010		37.31	3.57	22,000	22,000	1,500	12,000	ND<10	ND<10	ND<10	26	--	a,b,c,h
	9/30-10/1/2010		36.67	4.21	1,600	1,300	ND<250	1,200	--	--	--	--	--	a,c,d
MW-4A	6/3/2004	Zone A	36.26	2.45	ND<50	270	440	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
38.71	11/23/2004		37.13	1.58	ND<50	73	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	d
	3/14/2005		36.66	2.05	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<50	210	300	ND<50	0.91	1.7	ND<0.5	1.9	ND<5.0	g,d,f,i
	6/15/2005		36.38	2.33	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	75	99	ND<250	59	1.0	1.9	ND<0.5	2.1	ND<5.0	j,d,f
	9/19/2005		35.01	3.70	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<50	87	ND<250	ND<50	1.2	2.1	0.51	2.4	ND<5.0	d,f
	12/12/2005		36.39	2.32	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<50	71	ND<250	ND<50	0.67	1.4	ND<0.5	1.9	ND<5.0	d,f,i
	3/13/2006		36.75	1.96	--	--	--	--	--	--	--	--	--	
	3/14/2006		--	--	ND<50	68	ND<250	ND<50	0.60	1.3	ND<0.5	1.8	--	d,f
	6/19/2006		36.15	2.56	--	--	--	--	--	--	--	--	--	
	6/20/2006		--	--	ND<50	72	ND<250	ND<50	0.53	1.1	ND<0.5	1.6	--	f
	9/20/2006		35.10	3.61	88	160	ND<250	110	1.2	2.5	0.61	3.9	--	a,d,f,i
	12/20/2006		36.39	2.32	ND<50	97	ND<250	ND<50	0.99	2.1	0.52	2.9	--	f
	3/29/2007		36.46	2.25	ND<50	ND<50	ND<250	ND<50	ND<0.5	0.93	ND<0.5	1.3	ND<5.0	
	6/11/2007		36.14	2.57	ND<50	66	ND<250	ND<50	ND<0.5	0.92	ND<0.5	1.6	--	d,f

TABLE 2

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft, TOC)	TPHss (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Notes
MW-4A	9/7/2007		35.34	3.37	ND<50	78	ND<250	ND<50	0.74	1.3	ND<0.5	1.9	ND<5.0	f
cont.	12/12/2007		36.25	2.46	62	68	ND<250	86	0.62	1.8	ND<0.5	2.4	ND<5.0	j,d,f
	3/7/2008		36.46	2.25	ND<50	71	ND<250	ND<50	ND<0.5	1.0	ND<0.5	1.5	--	l,f
	6/9/2008		35.49	3.22	ND<50	66	ND<250	ND<50	ND<0.5	0.94	ND<0.5	1.5	ND<5.0	d,f
	9/5/2008		34.79	3.92	69	100	ND<250	90	0.61	1.2	ND<0.5	2.0	ND<5.0	d,h,j
	12/18/2008		36.55	2.16	ND<50	73	ND<250	ND<50	0.67	1.4	ND<0.5	2.3	--	d,f
	3/30/2009		36.43	2.28	70	89	ND<250	75	0.64	1.4	ND<0.5	2.4	ND<5.0	d,j
	9/21-22/2009		36.14	2.57	ND<50	66	ND<250	ND<50	ND<0.5	0.83	<0.5	1.9	--	f,i
	3/8/2010		36.61	2.10	ND<50	65	ND<250	58	0.83	1.1	ND<0.5	2.0	--	d,e,j
	9/30-10/1/2010		36.39	2.32	ND<50	ND<50	ND<250	ND<50	--	--	--	--	--	c,d
MW-6A	6/3/2004	Zone A	31.98	6.00	2,400	3,500	340	970	ND<0.5	ND<0.5	ND<0.5	2.1	ND<5.0	
37.98	11/23/2004		33.13	4.85	3,000	1,400	ND<250	1,900	ND<0.5	ND<0.5	ND<0.5	3.0	ND<5.0	a,c
	3/14/2005		35.03	2.95	2,600	5,900	ND<250	2,900	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	e,d,i
	6/15/2005		33.28	4.70	3,400	6,100	ND<250	2,200	ND<0.5	ND<0.5	0.60	4.4	ND<10	a,i,c,d
	9/19/2005		32.07	5.91	3,900	2,600	ND<250	2,200	ND<1.0	ND<1.0	1.4	7.6	ND<10	a,b,c
	12/12/2005		33.12	4.86	4,500	4,600	ND<250	2,900	ND<0.5	ND<0.5	1.6	8.9	ND<5.0	a,c,h,i
	3/13/2006		36.05	1.93	3,000	4,300	ND<250	1,900	ND<0.5	ND<0.5	ND<0.5	4.3	--	a,c,d,h
	6/19/2006		32.59	5.39	4,600	7,800	260	2,300	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	c,g,h,m
	9/20/2006		31.96	6.02	1,200	2,600	ND<250	960	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	a,c,i
	12/20/2006		33.57	4.41	3,200	4,100	ND<250	2,400	ND<5.0	ND<5.0	ND<5.0	8.1	--	e,h,n
	3/29/2007		33.67	4.31	2,700	2,900	ND<250	2,200	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	a,c
	6/11/2007		32.95	5.03	3,700	6,400	ND<250	4,300	ND<0.5	ND<0.5	2.1	9.5	--	a,c
	9/7/2007		32.32	5.66	1,400	5,800	ND<250	1,600	ND<1.0	ND<1.0	ND<1.0	3.1	ND<10	a,b,c,d,h
	12/12/2007		33.50	4.48	4,400	9,600	ND<250	3,300	ND<5.0	ND<5.0	ND<5.0	8.4	ND<5.0	a,c,d
	3/7/2008		34.30	3.68	3,700	6,200	280	4,100	ND<2.5	ND<2.5	ND<2.5	6.9	--	a,h,c
	6/9/2008		32.30	5.68	16,000	7,200	290	7,900	ND<10	ND<10	ND<10	ND<10	ND<100	a,c,h,i
	9/5/2008		32.05	5.93	11,000	3,200	ND<250	8,700	ND<10	ND<10	ND<10	ND<10	ND<100	a,c,h
	12/18/2008		33.98	4.00	4,300	11,000	460	3,000	ND<1.0	ND<1.0	1.2	ND<1.0	--	a,c,d,h
	3/30/2009		34.06	3.92	3,100	11,000	430	2,300	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	a,c,h,j
	9/21-22/2009		32.30	5.68	2,800	7,300	300	2,100	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,h
	3/8/2010		35.88	2.10	5,500	6,800	420	2,400	ND<0.5	ND<0.5	0.66	3.9	--	a,b,c,d,h
	9/30/2010		32.28	5.70	2,300	5,200	2,900	2,200	--	--	--	--	--	a,g

TABLE 2

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
 JOHN NADY
 1137-1167 65TH STREET
 OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft, TOC)	TPHss (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Notes	
MW-7A 40.58	6/3/2004	Zone A	36.08	4.50	9,900	--	--	3,900	ND<5.0	ND<5.0	ND<5.0	6.6	ND<50		
	11/23/2004		--	--	--	--	--	--	--	--	--	--	--		
	3/14/2005		37.03	3.55	3,700	14,000	620	3,900	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	c,d,h
	6/15/2005		36.41	4.17	3,900	24,000	ND<1,200	2,500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,c,d,h,i
	9/19/2005		35.25	5.33	13,000	43,000	ND<5,000	7,000	ND<10	ND<10	ND<10	ND<10	ND<10	ND<100	a,c,i
	12/12/2005		36.15	4.43	2,500	10,000	ND<1,200	1,700	ND<1.0	ND<1.0	1.4	2.4	ND<10	ND<10	a,c,d,h,i
	3/13/2006		36.76	3.82	2,300	31,000	1,100	1,600	ND<0.5	ND<0.5	0.93	9.1	--	--	a,c,d,g,h,i
	6/19/2006		35.78	4.80	44,000	36,000	1,300	26,000	ND<5.0	ND<5.0	10	ND<5.0	--	--	c,d,g,h,i,m
	9/20/2006		35.03	5.55	69,000	36,000	ND<5,000	49,000	ND<50	ND<50	ND<50	ND<50	ND<50	--	a,c,h,i
	12/20/2006		36.35	4.23	53,000	14,000	ND<1,200	38,000	ND<50	ND<50	ND<50	150	--	--	e,h,n
	3/29/2007		36.06	4.52	5,600	34,000	890	4,100	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,h,c,d
	6/11/2007		36.02	4.56	3,400	32,000	ND<1,200	3,800	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,h,i
	9/7/2007		35.18	5.40	19,000	57,000	ND<2,500	21,000	ND<10	ND<10	ND<10	54	ND<100	ND<100	a,b,c,d,h
	12/12/2007		35.96	4.62	16,000	45,000	1,400	13,000	ND<25	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,d
	3/7/2008		36.28	4.30	3,500	56,000	1,600	3,800	ND<2.5	ND<2.5	ND<2.5	3.7	--	--	a,h,i,c
	6/9/2008		35.35	5.23	68,000	150,000	ND<12,000	35,000	ND<25	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,h,i
	9/5/2008		35.00	5.58	13,000	63,000	2,700	9,800	ND<25	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,h,i
	12/18/2008		35.95	4.63	9,100	28,000	ND<2,500	6,200	ND<2.5	ND<2.5	2.7	ND<2.5	--	--	a,c,h
	3/30/2009		36.38	4.20	16,000	110,000	ND<12,000	11,000	ND<25	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,h
	9/21-22/2009		35.77	4.81	6,400	84,000	ND<5,000	4,500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,h
3/9/2010	36.66	3.92	27,000	110,000	ND<5,000	19,000	ND<25	ND<25	ND<25	46	--	--	a,b,c,h		
9/30/2010	36.23	4.35	3,400	2,100	ND<250	2,500	--	--	--	--	--	--	a,c		
MW-1B 39.50	6/3/2004	Zone B	25.10	14.40	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	11/23/2004		26.24	13.26	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		33.97	5.53	ND<50	52	ND<250	ND<50	0.60	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	d,i
	6/15/2005		31.87	7.63	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	9/19/2005		30.35	9.15	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	12/12/2005		30.39	9.11	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006		32.15	7.35	--	--	--	--	--	--	--	--	--	--	
	6/19/2006		22.99	16.51	--	--	--	--	--	--	--	--	--	--	
9/20/2006	30.32	9.18	--	--	--	--	--	--	--	--	--	--			

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
 JOHN NADY
 1137-1167 65TH STREET
 OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft, TOC)	TPH _{ss} (µg/L)	TPH _d (µg/L)	TPH _{mo} (µg/L)	TPH _g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Notes
MW-1B	12/20/2006		31.60	7.90	--	--	--	--	--	--	--	--	--	
cont.	3/29/2007		24.63	14.87	--	--	--	--	--	--	--	--	--	
	6/11/2007		26.39	13.11	--	--	--	--	--	--	--	--	--	
	9/7/2007		28.42	11.08	--	--	--	--	--	--	--	--	--	
	12/12/2007		30.60	8.90	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.48	7.02	--	--	--	--	--	--	--	--	--	
	6/9/2008		30.50	9.00	--	--	--	--	--	--	--	--	--	
	9/5/2008		30.11	9.39	--	--	--	--	--	--	--	--	--	
	12/18/2008		30.34	9.16	--	--	--	--	--	--	--	--	--	
	3/30/2009		32.09	7.41	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		30.42	9.08	--	--	--	--	--	--	--	--	--	
	3/8/2010		32.97	6.53	--	--	--	--	--	--	--	--	--	
	9/30/2010		29.74	9.76	ND<50	ND<50	ND<250	ND<50	--	--	--	--	--	
MW-3B	9/21-22/2009	Zone B	31.69	8.93	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	i
40.62	3/8/2010		35.00	5.62	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	i
	9/30-10/1/2010		31.81	8.81	ND<50	ND<50	ND<250	ND<50	--	--	--	--	--	
MW-4B	6/3/2004	Zone B	33.52	5.02	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
38.54	11/23/2004		34.65	3.89	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		34.78	3.76	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	6/15/2005		33.98	4.56	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	9/19/2005		32.57	5.97	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	12/12/2005		33.65	4.89	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006		34.61	3.93	--	--	--	--	--	--	--	--	--	
	6/19/2006		33.86	4.68	--	--	--	--	--	--	--	--	--	
	9/20/2006		32.58	5.96	--	--	--	--	--	--	--	--	--	
	12/20/2006		33.92	4.62	--	--	--	--	--	--	--	--	--	
	3/29/2007		33.96	4.58	--	--	--	--	--	--	--	--	--	

TABLE 2

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
 JOHN NADY
 1137-1167 65TH STREET
 OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft, TOC)	TPHss ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	TPHmo ($\mu\text{g/L}$)	TPHg ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	Xylenes ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	Notes
MW-4B	6/11/2007		34.03	4.51	--	--	--	--	--	--	--	--	--	
cont.	9/7/2007		33.22	5.32	--	--	--	--	--	--	--	--	--	
	12/12/2007		33.85	4.69	--	--	--	--	--	--	--	--	--	
	3/7/2008		34.58	3.96	--	--	--	--	--	--	--	--	--	
	6/9/2008		33.45	5.09	--	--	--	--	--	--	--	--	--	
	9/5/2008		32.64	5.90	--	--	--	--	--	--	--	--	--	
	12/18/2008		33.39	5.15	--	--	--	--	--	--	--	--	--	
	3/30/2009		34.33	4.21	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		33.34	5.20	--	--	--	--	--	--	--	--	--	
	3/8/2010		31.96	6.58	--	--	--	--	--	--	--	--	--	
	9/30/2010		32.69	5.85	--	--	--	--	--	--	--	--	--	
MW-5B	6/3/2004	Zone B	30.16	8.82	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
38.98	11/23/2004		31.32	7.66	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		32.71	6.27	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	6/15/2005		31.20	7.78	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	9/19/2005		28.68	10.30	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	12/12/2005		30.65	8.33	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006		32.87	6.11	--	--	--	--	--	--	--	--	--	
	6/19/2006		30.97	8.01	--	--	--	--	--	--	--	--	--	
	9/20/2006		29.68	9.30	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.21	7.77	--	--	--	--	--	--	--	--	--	
	3/29/2007		31.40	7.58	--	--	--	--	--	--	--	--	--	
	6/11/2007		31.02	7.96	--	--	--	--	--	--	--	--	--	
	9/7/2007		30.02	8.96	--	--	--	--	--	--	--	--	--	
	12/12/2007		30.88	8.10	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.55	6.43	--	--	--	--	--	--	--	--	--	
	6/9/2008		30.34	8.64	--	--	--	--	--	--	--	--	--	
	9/5/2008		29.50	9.48	--	--	--	--	--	--	--	--	--	
	12/18/2008		30.34	8.64	--	--	--	--	--	--	--	--	--	
	3/30/2009		32.10	6.88	--	--	--	--	--	--	--	--	--	

TABLE 2

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft, TOC)	TPHs ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	TPHmo ($\mu\text{g/L}$)	TPHg ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	Xylenes ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	Notes
MW-5B	9/21-22/2009		29.97	9.01	--	--	--	--	--	--	--	--	--	
cont.	3/8/2010		33.23	5.75	--	--	--	--	--	--	--	--	--	
	9/30/2010		30.67	8.31	--	--	--	--	--	--	--	--	--	
MW-6B 37.66	6/3/2004	Zone B	29.36	8.30	2,900	2,300	ND<250	1,100	ND<0.5	ND<0.5	ND<0.5	1.4	ND<5.0	
	11/23/2004		30.53	7.13	700	280	ND<250	500	ND<0.5	ND<0.5	ND<0.5	1.6	ND<5.0	a,c
	3/14/2005		31.86	5.80	1,200	5,200	340	1,300	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	e,d,i
	6/15/2005		30.17	7.49	1,300	1,700	ND<250	900	ND<0.5	ND<0.5	ND<0.5	1.9	ND<5.0	a,c
	9/19/2005		28.83	8.83	2,000	2,700	ND<250	1,200	1.0	1.4	ND<1.0	5.0	ND<20	a,b,c
	12/12/2005		29.85	7.81	1,200	4,100	ND<250	840	ND<0.5	ND<0.5	ND<0.5	3.3	ND<5.0	a,c,h,i
	3/13/2006		32.31	5.35	2,000	6,900	270	1,400	ND<0.5	ND<0.5	ND<0.5	4.7	--	a,c,d,h,i
	6/19/2006		29.88	7.78	3,300	7,700	310	1,700	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	c,g,h,m
	9/20/2006		28.78	8.88	4,200	16,000	740	3,200	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,g,h,i
	12/20/2006		30.34	7.32	77,000	16,000	ND<1,200	55,000	ND<50	ND<50	ND<50	130	--	e,g,h,n
	3/29/2007		30.44	7.22	4,300	24,000	650	3,400	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,h,c,d
	6/11/2007		29.93	7.73	2,100	29,000	ND<1,200	2,600	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,h
	9/7/2007		28.95	8.71	3,800	32,000	ND<1,200	4,500	ND<5.0	ND<5.0	ND<5.0	11	ND<50	a,b,c,d,h
	12/12/2007		30.00	7.66	15,000	36,000	1,000	12,000	ND<25	ND<25	ND<25	ND<25	ND<250	a,h,c,d
	3/7/2008		31.70	5.96	2,700	27,000	1,100	3,100	ND<2.5	ND<2.5	ND<2.5	6.1	--	a,h,k
	6/9/2008		29.36	8.30	20,000	81,000	ND<5,000	9,500	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,h
	9/5/2008		28.66	9.00	17,000	40,000	ND<2500	13,000	ND<10	ND<10	ND<10	ND<10	ND<100	a,c,h
	12/18/2008		29.68	7.98	7,400	29,000	ND<2,500	5,200	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,h
	3/30/2009		31.31	6.35	13,000	34,000	ND<2,500	10,000	ND<25	ND<25	ND<25	ND<25	ND<250	c,h,m
	9/21-22/2009		28.94	8.72	2,900	15,000	610	2,200	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,h
	3/8/2010		32.96	4.70	4,200	23,000	ND<2,500	3,200	ND<10	ND<10	ND<10	ND<10	--	a,b,c,h
	9/30/2010		29.19	8.47	1,600	910	ND<250	1,200	--	--	--	--	--	a,c,d
MW-7B 40.05	9/21-22/2009	Zone B	30.73	9.32	1,700	6,300	ND<500	1,300	ND<0.5	ND<0.5	ND<0.5	2.3	--	a,c,h
	3/9/2010		33.52	6.53	1,800	4,300	ND<250	1,300	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,i
	9/30/2010		30.29	9.76	120	52	ND<250	94	--	--	--	--	--	a,c,i
MW-1C 39.49	6/3/2004	Zone C	30.07	9.42	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	11/23/2004		31.30	8.19	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		32.58	6.91	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	f

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
 JOHN NADY
 1137-1167 65TH STREET
 OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft, TOC)	TPHs (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Notes
MW-1C	6/15/2005		30.89	8.60	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
cont.	9/19/2005		29.19	10.30	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	12/12/2005		30.54	8.95	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006		32.99	6.50	--	--	--	--	--	--	--	--	--	
	6/19/2006		30.66	8.83	--	--	--	--	--	--	--	--	--	
	9/20/2006		29.53	9.96	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.13	8.36	--	--	--	--	--	--	--	--	--	
	3/29/2007		31.19	8.30	--	--	--	--	--	--	--	--	--	
	6/11/2007		30.63	8.86	--	--	--	--	--	--	--	--	--	
	9/7/2007		29.60	9.89	--	--	--	--	--	--	--	--	--	
	12/12/2007		30.61	8.88	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.46	7.03	--	--	--	--	--	--	--	--	--	
	6/9/2008		30.07	9.42	--	--	--	--	--	--	--	--	--	
	9/5/2008		29.34	10.15	--	--	--	--	--	--	--	--	--	
	12/18/2008		30.28	9.21	--	--	--	--	--	--	--	--	--	
	3/30/2009		32.12	7.37	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		29.59	9.90	--	--	--	--	--	--	--	--	--	
	3/8/2010		33.74	5.75	--	--	--	--	--	--	--	--	--	
	9/30/2010		29.75	9.74	--	--	--	--	--	--	--	--	--	
MW-3C	9/21-22/2009	Zone C	29.52	11.48	ND<50	79	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	f,i
41.00	3/8/2010		33.09	7.91	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	i
	9/30-10/1/2010		29.64	11.36	ND<50	ND<50	ND<250	ND<50	--	--	--	--	--	i
MW-4C	6/3/2004	Zone C	30.10	8.40	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
38.50	11/23/2004		31.31	7.19	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		33.15	5.35	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	6/15/2005		30.85	7.65	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	9/19/2005		25.97	12.53	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	12/12/2005		30.00	8.50	--	--	--	--	--	--	--	--	--	

TABLE 2

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
 JOHN NADY
 1137-1167 65TH STREET
 OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft, TOC)	TPHss (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Notes
MW-4C	12/13/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
cont.	3/13/2006		31.18	7.32	--	--	--	--	--	--	--	--	--	
	6/19/2006		30.90	7.60	--	--	--	--	--	--	--	--	--	
	9/20/2006		29.91	8.59	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.21	7.29	--	--	--	--	--	--	--	--	--	
	3/29/2007		31.29	7.21	--	--	--	--	--	--	--	--	--	
	6/11/2007		30.93	7.57	--	--	--	--	--	--	--	--	--	
	9/7/2007		30.20	8.30	--	--	--	--	--	--	--	--	--	
	12/12/2007		31.10	7.40	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.25	6.25	--	--	--	--	--	--	--	--	--	
	6/9/2008		30.35	8.15	--	--	--	--	--	--	--	--	--	
	9/5/2008		29.62	8.88	--	--	--	--	--	--	--	--	--	
	12/18/2008		30.31	8.19	--	--	--	--	--	--	--	--	--	
	3/30/2009		31.59	6.91	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		30.08	8.42	--	--	--	--	--	--	--	--	--	
	3/8/2010		32.64	5.86	--	--	--	--	--	--	--	--	--	
	9/30/2010		30.75	7.75	--	--	--	--	--	--	--	--	--	
MW-6C	6/3/2004	Zone C	27.89	9.70	340	240	ND<250	160	ND<0.5	ND<0.5	ND<0.5	1.1	ND<5.0	
37.59	11/23/2004		29.21	8.38	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		31.79	5.80	ND<50	60	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	d
	6/15/2005		30.14	7.45	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	9/19/2005		28.79	8.80	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	12/12/2005		29.81	7.78	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/13/2006		32.09	5.50	--	--	--	--	--	--	--	--	--	
	6/19/2006		29.84	7.75	--	--	--	--	--	--	--	--	--	
	9/20/2006		28.74	8.85	--	--	--	--	--	--	--	--	--	
	12/20/2006		30.29	7.30	--	--	--	--	--	--	--	--	--	
	3/29/2007		30.39	7.20	--	--	--	--	--	--	--	--	--	
	6/11/2007		29.86	7.73	--	--	--	--	--	--	--	--	--	
	9/7/2007		28.92	8.67	--	--	--	--	--	--	--	--	--	
	12/12/2007		29.94	7.65	--	--	--	--	--	--	--	--	--	
	3/7/2008		31.63	5.96	--	--	--	--	--	--	--	--	--	

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
 JOHN NADY
 1137-1167 65TH STREET
 OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft, TOC)	TPHss ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	TPHmo ($\mu\text{g/L}$)	TPHg ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	Xylenes ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	Notes
MW-6C	6/9/2008		29.32	8.27	--	--	--	--	--	--	--	--	--	
cont.	9/5/2008		28.60	8.99	--	--	--	--	--	--	--	--	--	
	12/18/2008		29.64	7.95	--	--	--	--	--	--	--	--	--	
	3/30/2009		31.26	6.33	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		28.89	8.70	--	--	--	--	--	--	--	--	--	
	3/8/2010		32.92	4.67	--	--	--	--	--	--	--	--	--	
	9/30/2010		29.16	8.43	--	--	--	--	--	--	--	--	--	
MW-7C	9/21-22/2009	Zone C	29.53	10.91	2,300	1,900	ND<250	1,600	ND<0.5	ND<0.5	ND<0.5	ND<2.0	--	a,c,h
40.44	3/9/2010		32.47	7.97	890	1,400	ND<250	660	ND<0.5	ND<0.5	ND<0.5	4.1	--	a,c,i
	9/30/2010		29.71	10.73	110	62	ND<250	87	--	--	--	--	--	a,c

TABLE 2

**MONITORING WELL GROUNDWATER ANALYTICAL RESULTS: PETROLEUM HYDROCARBONS
JOHN NADY
1137-1167 65TH STREET
OAKLAND, CALIFORNIA**

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft, TOC)	TPHss (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Notes
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Abbreviations and Notes:

µg/L = micrograms per liter - approximately equal to parts per billion = ppb

(TOC) = Top of casing elevation in feet above mean sea level (msl)

ft = measured in feet

TPHd = Total petroleum hydrocarbons as diesel by EPA Method SW8015C with silica gel cleanup (C10-C23)

TPHg = Total petroleum hydrocarbons as gasoline by EPA Method SW8015C (C6-C12).

TPHmo = Total petroleum hydrocarbons as motor oil by EPA Method SW8015C with silica gel cleanup (C18-C36)

TPHss = Total petroleum hydrocarbons as stoddard solvent by EPA Method SW8015C (C9-C12)

Benzene, toluene, ethylbenzene, and xylenes by EPA Method SW8021B.

MTBE = Methyl tertiary-butyl ether by EPA Method SW8021B (EPA Method SW8260B).

ND<50 = Not Detected above detection limit cited.

-- = Not available, not applicable, not analyzed, not measured

a = TPH pattern that does not appear to be derived from gasoline (stoddard solvent/mineral spirit?).

b = No recognizable pattern.

c = Stoddard solvent/mineral spirit.

d = Diesel range compounds are significant; no recognizable pattern.

e = Gasoline range compounds are significant.

f = One to a few isolated peaks present

g = Oil range compounds are significant.

h = Lighter than water immiscible sheen/product is present.

i = Liquid sample contains greater than ~1 vol. % sediment.

j = Unmodified or weakly modified gasoline is significant

k = TPHg range non-target isolated peaks subtracted out of the TPHg concentration

l = Heavier gasoline compounds are significant (aged gasoline?)

m = Strongly aged gasoline or diesel range compounds are significant

n = Diesel range compounds are significant

TABLE 3

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
 HALOGENATED VOLATILE ORGANIC COMPOUNDS
 JOHN NA/DY
 1137-1167 65TH STREET
 OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft, TOC)	Chlorobenzene (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	1,1,2,2,-Tetra- chloroethane (µg/L)	(PCE) Tetrachloroethene (µg/L)	(TCE) Trichloroethene (µg/L)	1,2- Dichlorobenzene (µg/L)	cis-1,2- Dichloroethene (µg/L)	trans-1,2- Dichloroethene (µg/L)	1,1- Dichloroethane (µg/L)	(1,2-DCA) 1,2- Dichloroethane (µg/L)	Vinyl Chloride (µg/L)	Notes
MW-1A 39.64	6/3/2004	Zone A	35.14	4.50	--	ND<2.5	ND<2.5	ND<2.5	55	16	ND<2.5	36	ND<2.5	ND<2.5	ND<2.5	6.3	
	11/23/2004		36.54	3.10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	38	11	ND<1.0	51	2.4	2.8	ND<1.0	9.5	
	3/14/2005		37.02	2.62	ND<1.0	ND<1.0	ND<1.0	ND<1.0	42	12	2.0	32	2.2	2.4	ND<1.0	8.0	
	6/15/2005		35.14	4.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	62	19	2.6	24	2.4	3.0	ND<1.0	10	h,i
	9/19/2005		33.14	6.50	ND<1.2	ND<1.2	ND<1.2	ND<1.2	55	18	2.3	28	2.0	2.6	ND<1.2	9.4	i
	12/12/2005		35.14	4.50	ND<1.0	ND<1.0	ND<1.0	16	60	17	2.0	22	2.3	2.5	ND<1.0	12	h,i
	3/13/2006		37.74	1.90	ND<1.2	ND<1.2	ND<1.2	14	30	17	ND<1.2	16	1.4	2.0	ND<1.2	4.0	i
	6/19/2006		35.94	3.70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	33	9.0	ND<0.5	15	1.1	1.8	ND<0.5	3.2	
	9/20/2006		34.19	5.45	ND<0.5	ND<0.5	ND<0.5	ND<0.5	34	15	ND<0.5	21	1.6	2.3	ND<0.5	5.4	i
	12/20/2006		37.02	2.62	ND<0.5	ND<0.5	ND<0.5	ND<0.5	27	15	ND<0.5	16	1.3	1.7	ND<0.5	5.2	
	3/29/2007		37.04	2.60	ND<0.5	ND<0.5	ND<0.5	ND<0.5	29	16	ND<0.5	13	1.2	1.4	ND<0.5	ND<0.5	
	6/11/2007		35.72	3.92	ND<0.5	ND<0.5	ND<0.5	ND<0.5	26	17	ND<0.5	13	1.6	1.9	ND<0.5	2.3	
	9/7/2007		33.90	5.74	ND<0.5	ND<0.5	ND<0.5	ND<0.5	25	15	ND<0.5	17	1.4	2.0	ND<0.5	2.3	
	12/12/2007		36.53	3.11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	15	10	ND<0.5	14	1.2	2.1	ND<0.5	1.5	
	3/7/2008		37.23	2.41	ND<0.5	ND<0.5	ND<0.5	17	9.0	9.3	1.3	13	1.2	1.7	ND<0.5	1.7	
	6/9/2008		34.69	4.95	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11	9.0	ND<0.5	11	1.1	1.8	ND<0.5	2.4	i
	9/5/2008		33.58	6.06	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12	13	ND<0.5	13	1.3	1.7	ND<0.5	1.5	
	12/18/2008		36.68	2.96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8.6	8.6	ND<0.5	13	0.99	1.5	ND<0.5	2.7	
	3/30/2009		37.28	2.36	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11	10	ND<0.5	9.8	1.1	1.5	ND<0.5	2.5	
	9/21-22/2009		34.87	4.77	ND<1.0	ND<1.0	ND<1.0	ND<1.0	5.7	2.2	ND<1.0	9.2	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
3/8/2010	38.09	1.55	--	--	--	--	--	--	--	--	--	--	--	--	--		
9/30/2010	33.84	5.80	ND<0.5	ND<0.5	<0.5	<0.5	2.5	2.6	ND<0.5	13	ND<0.5	1.1	ND<0.5	1.5			
MW-2A 40.72	6/3/2004	Zone A	36.48	4.24	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	11/23/2004		37.83	2.89	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		39.02	1.70	--	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	6/15/2005		37.91	2.81	--	--	--	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	9/19/2005		35.46	5.26	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	12/12/2005		37.66	3.06	--	--	--	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/13/2006		40.33	0.39	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006		37.31	3.41	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006		34.65	6.07	--	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006		38.57	2.15	--	--	--	--	--	--	--	--	--	--	--	--	
	3/29/2007		38.22	2.50	--	--	--	--	--	--	--	--	--	--	--	--	
	6/11/2007		37.14	3.58	--	--	--	--	--	--	--	--	--	--	--	--	
	9/7/2007		35.04	5.68	--	--	--	--	--	--	--	--	--	--	--	--	
	12/12/2007		37.82	2.90	--	--	--	--	--	--	--	--	--	--	--	--	
	3/7/2008		38.79	1.93	--	--	--	--	--	--	--	--	--	--	--	--	
	6/9/2008		36.18	4.54	--	--	--	--	--	--	--	--	--	--	--	--	
9/5/2008	34.46	6.26	--	--	--	--	--	--	--	--	--	--	--	--			
12/18/2008	37.55	3.17	--	--	--	--	--	--	--	--	--	--	--	--			
3/30/2009	38.76	1.96	--	--	--	--	--	--	--	--	--	--	--	--			
9/21-22/2009	35.99	4.73	--	--	--	--	--	--	--	--	--	--	--	--			

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
 HALOGENATED VOLATILE ORGANIC COMPOUNDS
 JOHN NA/DY
 1137-1167 65TH STREET
 OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft, TOC)	Chlorobenzene (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	1,1,2,2,-Tetra- chloroethane (µg/L)	(PCE) Tetrachloroethene (µg/L)	(TCE) Trichloroethene (µg/L)	1,2- Dichlorobenzene (µg/L)	cis-1,2- Dichloroethene (µg/L)	trans-1,2- Dichloroethene (µg/L)	1,1- Dichloroethane (µg/L)	(1,2-DCA) 1,2- Dichloroethane (µg/L)	Vinyl Chloride (µg/L)	Notes
MW-2A	3/8/2010		39.76	0.96	--	--	--	--	--	--	--	--	--	--	--	--	
cont.	9/30-10/1/2010		34.94	5.78	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3A 40.88	6/3/2004	Zone A	36.56	4.32	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	a
	11/23/2004		37.89	2.99	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	
	3/14/2005		37.28	3.60	--	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	43	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	j, i
	6/15/2005		36.78	4.10	--	--	--	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	52	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h, i
	9/19/2005		35.93	4.95	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	51	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	i
	12/12/2005		36.72	4.16	--	--	--	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<1.0	ND<1.0	ND<1.0	26	ND<1.0	ND<1.0	43	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h, i
	3/13/2006		37.42	3.46	--	--	--	--	--	--	--	--	--	--	--	--	
	3/14/2006		--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	i
	6/19/2006		36.48	4.40	3.7	--	--	--	--	--	--	--	--	--	--	--	
	6/20/2006		--	--	9.8	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h
	9/20/2006		35.78	5.10	31	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h, i
	12/20/2006		36.78	4.10	31	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h
	3/29/2007		36.82	4.06	55	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	
	6/11/2007		36.52	4.36	68	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	h
	9/7/2007		35.98	4.90	82	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	h
	12/12/2007		36.54	4.34	72	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	h
	3/7/2008		36.87	4.01	74	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	19	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h
	6/9/2008		36.03	4.85	98	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	22	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	h, i
	9/5/2008		35.78	5.10	92	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	16	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	h
	12/18/2008		36.65	4.23	95	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	h
	3/30/2009		37.19	3.69	85	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	h
	9/21-22/2009		36.56	4.32	82	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	h, i
	3/8/2010		37.31	3.57	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30-10/1/2010		36.67	4.21	83	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	
MW-4A 38.71	6/3/2004	Zone A	36.26	2.45	--	ND<0.5	ND<0.5	ND<0.5	1.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	11/23/2004		37.13	1.58	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		36.66	2.05	--	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	6/15/2005		36.38	2.33	--	--	--	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	9/19/2005		35.01	3.70	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	12/12/2005		36.39	2.32	--	--	--	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/13/2006		36.75	1.96	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006		36.15	2.56	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006		35.10	3.61	--	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006		36.39	2.32	--	--	--	--	--	--	--	--	--	--	--	--	
	3/29/2007		36.46	2.25	--	--	--	--	--	--	--	--	--	--	--	--	
	6/11/2007		36.14	2.57	--	--	--	--	--	--	--	--	--	--	--	--	

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
 HALOGENATED VOLATILE ORGANIC COMPOUNDS
 JOHN NA/DY
 1137-1167 65TH STREET
 OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft, TOC)	Chlorobenzene (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	1,1,2,2,-Tetra- chloroethane (µg/L)	(PCE) Tetrachloroethene (µg/L)	(TCE) Trichloroethene (µg/L)	1,2- Dichlorobenzene (µg/L)	cis-1,2- Dichloroethene (µg/L)	trans-1,2- Dichloroethene (µg/L)	1,1- Dichloroethane (µg/L)	(1,2-DCA) 1,2- Dichloroethane (µg/L)	Vinyl Chloride (µg/L)	Notes
MW-4A	9/7/2007		35.34	3.37	--	--	--	--	--	--	--	--	--	--	--	--	
cont.	12/12/2007		36.25	2.46	--	--	--	--	--	--	--	--	--	--	--	--	
	3/7/2008		36.46	2.25	--	--	--	--	--	--	--	--	--	--	--	--	
	6/9/2008		35.49	3.22	--	--	--	--	--	--	--	--	--	--	--	--	
	9/5/2008		34.79	3.92	--	--	--	--	--	--	--	--	--	--	--	--	
	12/18/2008		36.55	2.16	--	--	--	--	--	--	--	--	--	--	--	--	
	3/30/2009		36.43	2.28	--	--	--	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		36.14	2.57	--	--	--	--	--	--	--	--	--	--	--	--	
	3/8/2010		36.61	2.10	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30-10/1/2010		36.39	2.32	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6A	6/3/2004	Zone A	31.98	6.00	--	4.7	0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8	2.1	ND<0.5	6.7	
37.98	11/23/2004		33.13	4.85	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		35.03	2.95	ND<0.5	0.61	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	6/15/2005		33.28	4.70	ND<0.5	6.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.3	ND<0.5	2.5	1.5	ND<0.5	3.2	i
	9/19/2005		32.07	5.91	ND<0.5	21	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.6	ND<0.5	6.7	4.7	0.59	5.0	
	12/12/2005		33.12	4.86	ND<0.5	13	ND<0.5	8.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1	0.82	ND<0.5	ND<0.5	h,i
	3/13/2006		36.05	1.93	ND<0.5	1.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	6/19/2006		32.59	5.39	ND<0.5	9.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0	1.1	ND<0.5	1.3	h
	9/20/2006		31.96	6.02	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6	1.9	0.57	ND<0.5	i
	12/20/2006		33.57	4.41	ND<0.5	12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	3/29/2007		33.67	4.31	ND<0.5	8.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.69	0.71	ND<0.5	ND<0.5	
	6/11/2007		32.95	5.03	ND<5.0	9.8	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	
	9/7/2007		32.32	5.66	ND<0.5	24	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	12/12/2007		33.50	4.48	ND<0.5	4.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/7/2008		34.30	3.68	ND<0.5	1.0	ND<0.5	9.5	ND<0.5	ND<0.5	2.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	6/9/2008		32.30	5.68	0.53	11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	9/5/2008		32.05	5.93	1.0	8.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	12/18/2008		33.98	4.00	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	b,h
	3/30/2009		34.06	3.92	ND<0.5	0.83	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	9/21-22/2009		32.30	5.68	0.93	5.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	3/8/2010		35.88	2.10	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		32.28	5.70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
MW-7A	6/3/2004	Zone A	36.08	4.50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
40.58	11/23/2004		--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	3/14/2005		37.03	3.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	6/15/2005		36.41	4.17	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	9/19/2005		35.25	5.33	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	12/12/2005		36.15	4.43	ND<0.5	ND<0.5	ND<0.5	21	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	3/13/2006		36.76	3.82	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	6/19/2006		35.78	4.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	9/20/2006		35.03	5.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	12/20/2006		36.35	4.23	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	3/29/2007		36.06	4.52	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	
	6/11/2007		36.02	4.56	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	j,h,i
	9/7/2007		35.18	5.40	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	12/12/2007		35.96	4.62	0.70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	

TABLE 3

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
 HALOGENATED VOLATILE ORGANIC COMPOUNDS
 JOHN NA/DY
 1137-1167 65TH STREET
 OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft, TOC)	Chlorobenzene (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	1,1,2,2-Tetra- chloroethane (µg/L)	(PCE) Tetrachloroethene (µg/L)	(TCE) Trichloroethene (µg/L)	1,2- Dichlorobenzene (µg/L)	cis-1,2- Dichloroethene (µg/L)	trans-1,2- Dichloroethene (µg/L)	1,1- Dichloroethane (µg/L)	(1,2-DCA) 1,2- Dichloroethane (µg/L)	Vinyl Chloride (µg/L)	Notes
MW-7A	3/7/2008		36.28	4.30	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
cont.	6/9/2008		35.35	5.23	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	j,h,i
	9/5/2008		35.00	5.58	0.71	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	h,i
	12/18/2008		35.95	4.63	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	b
	3/30/2009		36.38	4.20	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	9/21-22/2009		35.77	4.81	0.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	3/9/2010		36.66	3.92	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		36.23	4.35	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
MW-1B	6/3/2004	Zone B	25.10	14.40	--	ND<0.5	8.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.9	ND<0.5	8.1	7.9	ND<0.5	
39.50	11/23/2004		26.24	13.26	ND<0.5	ND<0.5	6.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.5	ND<0.5	8.4	8.8	ND<0.5	
	3/14/2005		33.97	5.53	ND<0.5	1.1	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.8	ND<0.5	5.2	12	ND<0.5	i
	6/15/2005		31.87	7.63	ND<0.5	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.3	ND<0.5	8.8	9.9	ND<0.5	i
	9/19/2005		30.35	9.15	ND<0.5	0.98	0.87	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.0	ND<0.5	7.1	11	ND<0.5	i
	12/12/2005		30.39	9.11	ND<0.5	1.5	0.75	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7	ND<0.5	7.0	12	ND<0.5	i
	3/13/2006		32.15	7.35	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.1	ND<0.5	6.8	5.2	ND<0.5	i
	6/19/2006		22.99	16.51	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.0	ND<0.5	7.8	6.2	ND<0.5	
	9/20/2006		30.32	9.18	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.9	ND<0.5	11	10	ND<0.5	i
	12/20/2006		31.60	7.90	ND<0.5	2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.9	ND<0.5	7.7	7.8	ND<0.5	
	3/29/2007		24.63	14.87	ND<0.5	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.0	ND<0.5	9.7	8.7	ND<0.5	
	6/11/2007		26.39	13.11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8.5	ND<0.5	8.0	6.5	ND<0.5	i
	9/7/2007		28.42	11.08	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.8	ND<0.5	8.6	7.0	ND<0.5	
	12/12/2007		30.60	8.90	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11	ND<0.5	7.2	7.5	ND<0.5	
	3/7/2008		32.48	7.02	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.5	ND<0.5	8.8	5.6	ND<0.5	
	6/9/2008		30.50	9.00	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11	ND<0.5	8.9	5.3	ND<0.5	i
	9/5/2008		30.11	9.39	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	13	ND<0.5	8.1	6.7	ND<0.5	
	12/18/2008		30.34	9.16	ND<0.5	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	16	ND<0.5	8.2	9.3	ND<0.5	i
	3/30/2009		32.09	7.41	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	10	ND<0.5	10	5.8	ND<0.5	
	9/21-22/2009		30.42	9.08	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12	ND<0.5	11	8	ND<1.0	
	3/8/2010		32.97	6.53	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		29.74	9.76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.9	ND<0.5	15	6.4	ND<0.5	
MW-3B	9/21-22/2009	Zone B	31.69	8.93	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
40.62	3/8/2010		35.00	5.62	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	9/30-10/1/2010		31.81	8.81	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
MW-4B	6/3/2004	Zone B	33.52	5.02	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
38.54	11/23/2004		34.65	3.89	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		34.78	3.76	--	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	6/15/2005		33.98	4.56	--	--	--	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	9/19/2005		32.57	5.97	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	12/12/2005		33.65	4.89	--	--	--	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/13/2006		34.61	3.93	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006		33.86	4.68	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006		32.58	5.96	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 3

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
 HALOGENATED VOLATILE ORGANIC COMPOUNDS
 JOHN NA/DY
 1137-1167 65TH STREET
 OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft, TOC)	Chlorobenzene (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	1,1,2,2-Tetra- chloroethane (µg/L)	(PCE) Tetrachloroethene (µg/L)	(TCE) Trichloroethene (µg/L)	1,2- Dichlorobenzene (µg/L)	cis-1,2- Dichloroethene (µg/L)	trans-1,2- Dichloroethene (µg/L)	1,1- Dichloroethane (µg/L)	(1,2-DCA) 1,2- Dichloroethane (µg/L)	Vinyl Chloride (µg/L)	Notes
MW-4B	12/20/2006		33.92	4.62	--	--	--	--	--	--	--	--	--	--	--	--	
cont.	3/29/2007		33.96	4.58	--	--	--	--	--	--	--	--	--	--	--	--	
	6/11/2007		34.03	4.51	--	--	--	--	--	--	--	--	--	--	--	--	
	9/7/2007		33.22	5.32	--	--	--	--	--	--	--	--	--	--	--	--	i
	12/12/2007		33.85	4.69	--	--	--	--	--	--	--	--	--	--	--	--	
	3/7/2008		34.58	3.96	--	--	--	--	--	--	--	--	--	--	--	--	
	6/9/2008		33.45	5.09	--	--	--	--	--	--	--	--	--	--	--	--	
	9/5/2008		32.64	5.90	--	--	--	--	--	--	--	--	--	--	--	--	
	12/18/2008		33.39	5.15	--	--	--	--	--	--	--	--	--	--	--	--	
	3/30/2009		34.33	4.21	--	--	--	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		33.34	5.20	--	--	--	--	--	--	--	--	--	--	--	--	
	3/8/2010		31.96	6.58	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		32.69	5.85	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5B	6/3/2004	Zone B	30.16	8.82	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
38.98	11/23/2004		31.32	7.66	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		32.71	6.27	--	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	6/15/2005		31.20	7.78	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	9/19/2005		28.68	10.30	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	12/12/2005		30.65	8.33	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/13/2006		32.87	6.11	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006		30.97	8.01	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006		29.68	9.30	--	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.21	7.77	--	--	--	--	--	--	--	--	--	--	--	--	
	3/29/2007		31.40	7.58	--	--	--	--	--	--	--	--	--	--	--	--	
	6/11/2007		31.02	7.96	--	--	--	--	--	--	--	--	--	--	--	--	
	9/7/2007		30.02	8.96	--	--	--	--	--	--	--	--	--	--	--	--	
	12/12/2007		30.88	8.10	--	--	--	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.55	6.43	--	--	--	--	--	--	--	--	--	--	--	--	
	6/9/2008		30.34	8.64	--	--	--	--	--	--	--	--	--	--	--	--	
	9/5/2008		29.50	9.48	--	--	--	--	--	--	--	--	--	--	--	--	
	12/18/2008		30.34	8.64	--	--	--	--	--	--	--	--	--	--	--	--	
	3/30/2009		32.10	6.88	--	--	--	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		29.97	9.01	--	--	--	--	--	--	--	--	--	--	--	--	
	3/8/2010		33.23	5.75	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		30.67	8.31	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6B	6/3/2004	Zone B	29.36	8.30	--	0.65	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
37.66	11/23/2004		30.53	7.13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.89	ND<0.5	ND<0.5
	3/14/2005		31.86	5.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.5	i
	6/15/2005		30.17	7.49	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	0.66	ND<0.5	0.55
	9/19/2005		28.83	8.83	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0	ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5	1.1
	12/12/2005		29.85	7.81	ND<0.5	2.3	ND<0.5	11	ND<0.5	ND<0.5	ND<0.5	1.3	ND<0.5	ND<0.5	1.3	ND<0.5	h,i
	3/13/2006		32.31	5.35	ND<0.5	0.73	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	6/19/2006		29.88	7.78	ND<0.5	0.91	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.52	ND<0.5	h
	9/20/2006		28.78	8.88	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	j,h,i

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
 HALOGENATED VOLATILE ORGANIC COMPOUNDS
 JOHN NA/DY
 1137-1167 65TH STREET
 OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft, TOC)	Chlorobenzene (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	1,1,2,2,-Tetra- chloroethane (µg/L)	(PCE) Tetrachloroethene (µg/L)	(TCE) Trichloroethene (µg/L)	1,2- Dichlorobenzene (µg/L)	cis-1,2- Dichloroethene (µg/L)	trans-1,2- Dichloroethene (µg/L)	1,1- Dichloroethane (µg/L)	(1,2-DCA) 1,2- Dichloroethane (µg/L)	Vinyl Chloride (µg/L)	Notes
MW-6B	12/20/2006		30.34	7.32	ND<0.5	2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	ND<0.5	0.69	ND<0.5	ND<0.5	h
cont.	3/29/2007		30.44	7.22	ND<0.5	1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.76	ND<0.5	ND<0.5	
	6/11/2007		29.93	7.73	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	j,h
	9/7/2007		28.95	8.71	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.9	ND<0.5	0.66	ND<0.5	ND<0.5	h
	12/12/2007		30.00	7.66	ND<0.5	0.77	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	0.62	ND<0.5	ND<0.5	h
	3/7/2008		31.70	5.96	ND<0.5	1.1	ND<0.5	16	ND<0.5	ND<0.5	1.2	1.0	ND<0.5	0.58	ND<0.5	ND<0.5	h
	6/9/2008		29.36	8.30	ND<1.0	1.8	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h
	9/5/2008		28.66	9.00	ND<5.0	0.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	12/18/2008		29.68	7.98	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	b,h
	3/30/2009		31.31	6.35	ND<0.5	0.96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	9/21-22/2009		28.94	8.72	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.40	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	3/8/2010		32.96	4.70	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		29.19	8.47	ND<0.5	0.95	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.69	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
MW-7B	9/21-22/2009	Zone B	30.73	9.32	0.82	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
40.05	3/9/2010		33.52	6.53	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	9/30/2010		30.29	9.76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
MW-1C	6/3/2004	Zone C	30.07	9.42	--	ND<0.5	0.57	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
39.49	11/23/2004		31.30	8.19	ND<0.5	ND<0.5	0.56	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		32.58	6.91	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	6/15/2005		30.89	8.60	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	9/19/2005		29.19	10.30	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	12/12/2005		30.54	8.95	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/13/2006		32.99	6.50	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006		30.66	8.83	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006		29.53	9.96	--	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.13	8.36	--	--	--	--	--	--	--	--	--	--	--	--	
	3/29/2007		31.19	8.30	--	--	--	--	--	--	--	--	--	--	--	--	
	6/11/2007		30.63	8.86	--	--	--	--	--	--	--	--	--	--	--	--	
	9/7/2007		29.60	9.89	--	--	--	--	--	--	--	--	--	--	--	--	
	12/12/2007		30.61	8.88	--	--	--	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.46	7.03	--	--	--	--	--	--	--	--	--	--	--	--	
	6/9/2008		30.07	9.42	--	--	--	--	--	--	--	--	--	--	--	--	
	9/5/2008		29.34	10.15	--	--	--	--	--	--	--	--	--	--	--	--	
	12/18/2008		30.28	9.21	--	--	--	--	--	--	--	--	--	--	--	--	
	3/30/2009		32.12	7.37	--	--	--	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		29.59	9.90	--	--	--	--	--	--	--	--	--	--	--	--	
	3/8/2010		33.74	5.75	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		29.75	9.74	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3C	9/21-22/2009	Zone C	29.52	11.48	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
41.00	3/8/2010		33.09	7.91	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	9/30-10/1/2010		29.64	11.36	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
MW-4C	6/3/2004	Zone C	30.10	8.40	--	ND<0.5	0.84	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
38.50	11/23/2004		31.31	7.19	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		33.15	5.35	--	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i

TABLE 3

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
 HALOGENATED VOLATILE ORGANIC COMPOUNDS
 JOHN NA/DY
 1137-1167 65TH STREET
 OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft, TOC)	Chlorobenzene (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	(PCE) Tetrachloroethene (µg/L)	(TCE) Trichloroethene (µg/L)	1,2-Dichlorobenzene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,1-Dichloroethane (µg/L)	(1,2-DCA) 1,2-Dichloroethane (µg/L)	Vinyl Chloride (µg/L)	Notes
MW-4C	6/15/2005		30.85	7.65	--	--	--	--	--	--	--	--	--	--	--	--	
cont.	6/16/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	9/19/2005		25.97	12.53	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	12/12/2005		30.00	8.50	--	--	--	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/13/2006		31.18	7.32	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006		30.90	7.60	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006		29.91	8.59	--	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.21	7.29	--	--	--	--	--	--	--	--	--	--	--	--	
	3/29/2007		31.29	7.21	--	--	--	--	--	--	--	--	--	--	--	--	
	6/11/2007		30.93	7.57	--	--	--	--	--	--	--	--	--	--	--	--	
	9/7/2007		30.20	8.30	--	--	--	--	--	--	--	--	--	--	--	--	
	12/12/2007		31.10	7.40	--	--	--	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.25	6.25	--	--	--	--	--	--	--	--	--	--	--	--	
	6/9/2008		30.35	8.15	--	--	--	--	--	--	--	--	--	--	--	--	
	9/5/2008		29.62	8.88	--	--	--	--	--	--	--	--	--	--	--	--	
	12/18/2008		30.31	8.19	--	--	--	--	--	--	--	--	--	--	--	--	
	3/30/2009		31.59	6.91	--	--	--	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		30.08	8.42	--	--	--	--	--	--	--	--	--	--	--	--	
	3/8/2010		32.64	5.86	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		30.75	7.75	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6C	6/3/2004	Zone C	27.89	9.70	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8	ND<0.5	0.61	ND<0.5	ND<0.5	
37.59	11/23/2004		29.21	8.38	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		31.79	5.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8	1.9	ND<0.5	12	ND<0.5	1.1	ND<0.5	2.3	
	6/15/2005		30.14	7.45	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.1	3.1	ND<0.5	20	0.64	1.4	ND<0.5	5.7	
	9/19/2005		28.79	8.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.9	3.0	ND<0.5	18	0.57	1.3	ND<0.5	6.8	
	12/12/2005		29.81	7.78	ND<0.5	0.66	ND<0.5	ND<0.5	3.2	3.0	ND<0.5	19	0.61	1.4	ND<0.5	10	
	3/13/2006		32.09	5.50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.2	3.9	ND<0.5	26	0.61	0.95	ND<0.5	5.1	
	6/19/2006		29.84	7.75	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.0	3.4	ND<0.5	32	0.78	0.96	ND<0.5	11	
	9/20/2006		28.74	8.85	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7	4.6	ND<0.5	23	0.76	1.0	ND<0.5	9.4	i
	12/20/2006		30.29	7.30	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.1	4.6	ND<0.5	36	0.88	0.92	ND<0.5	13	
	3/29/2007		30.39	7.20	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.0	6.4	ND<0.5	35	1.2	1.1	ND<0.5	5.3	
	6/11/2007		29.86	7.73	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.1	6.4	ND<0.5	26	0.99	0.85	ND<0.5	4.0	
	9/7/2007		28.92	8.67	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.0	6.9	ND<0.5	32	0.99	0.90	ND<0.5	4.2	
	12/12/2007		29.94	7.65	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.0	5.2	ND<0.5	29	0.84	0.87	ND<0.5	3.8	
	3/7/2008		31.63	5.96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.1	5.5	ND<0.5	28	0.90	0.78	ND<0.5	3.2	
	6/9/2008		29.32	8.27	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.5	5.5	ND<0.5	23	0.72	0.71	ND<0.5	3.5	
	9/5/2008		28.60	8.99	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.3	4.2	ND<0.5	ND<0.5	ND<0.5	0.57	ND<0.5	1.2	
	12/18/2008		29.64	7.95	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7	4.1	ND<0.5	18	ND<0.5	0.58	ND<0.5	2.8	
	3/30/2009		31.26	6.33	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.6	5.0	ND<0.5	22	0.58	0.57	ND<0.5	3.5	
	9/21-22/2009		28.89	8.70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.1	3.4	ND<0.5	17	ND<0.5	0.56	ND<0.5	1.3	
	3/8/2010		32.92	4.67	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		29.16	8.43	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS:
 HALOGENATED VOLATILE ORGANIC COMPOUNDS
 JOHN NA/DY
 1137-1167 65TH STREET
 OAKLAND, CALIFORNIA

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft, TOC)	Chlorobenzene (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	1,1,2,2-Tetra- chloroethane (µg/L)	(PCE) Tetrachloroethene (µg/L)	(TCE) Trichloroethene (µg/L)	1,2- Dichlorobenzene (µg/L)	cis-1,2- Dichloroethene (µg/L)	trans-1,2- Dichloroethene (µg/L)	1,1- Dichloroethane (µg/L)	(1,2-DCA) 1,2- Dichloroethane (µg/L)	Vinyl Chloride (µg/L)	Notes
MW-7C	9/21-22/2009	Zone C	29.53	10.91	2.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
40.44	3/9/2010		32.47	7.97	0.78	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	9/30/2010		29.71	10.73	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	

Abbreviations and Notes:

µg/L = micrograms per liter; equivalent to parts per billion

ft = measured in feet

ft amsl = measured in feet above mean sea level

TOC = Top of casing elevation in feet above mean sea level (msl)

Halogenated Volatile Organic Compounds analyzed by EPA Method SW8260B, reported EPA Method 8010 basic target list.

ND<0.5 = Not Detected above detection limit cited.

-- = Not available, not applicable, not analyzed, not measured

b = sample diluted due to high organic content

i = liquid sample that contains greater than ~1 vol. % sediment

h = lighter than water immiscible sheen/product is present

j = sample diluted due to high organic content/matrix interference

APPENDIX A

AGENCY CORRESPONDENCE

Hee, Calvin

From: Foss, Bob (Robert)
Sent: Wednesday, September 22, 2010 5:00 PM
To: Jakub, Barbara, Env. Health
Cc: schrag@nady.com; Hee, Calvin
Subject: ACEH Case RO0000082 - Phone conversation regarding reduction of analytes for Second Semi-Annual sampling at 1137-1167 65th St, Oakland

Barbara:

To document our phone conversation of this afternoon, the sampling event at the site referenced above, scheduled to occur Sept 29-30, will include the following scope of work:

- 1) Depth to water will be gauged in all wells.
- 2) Samples will be collected from wells MW-1A and -1B; MW-2A; MW-3A, -3B and -3C; MW-4A; MW-6A and -6B; MW-7A, -7B and -7C.
- 3) Samples will be analyzed for TPHg and TPHss by EPA Method 8015.
- 4) Samples will be analyzed for TPHd and TPHmo by EPA Method 8015 with silica gel cleanup.
- 5) Samples collected from wells MW-1A and -1B; MW-3A, -3B and -3C; MW-6A, -6B and -6C; MW-7A, -7B and -7C will be analyzed by EPA Method 8260 for HVOCs contained on the EPA Method 8010 Target List.

Our discussion continued and it was confirmed that the "Expanded Analyte List," implemented during the Second Semi-Annual groundwater monitoring event of 2009 need not be replicated during the Second Semi-Annual groundwater monitoring event of 2010.

Our request to eliminate analysis for BTEX compounds by EPA Method 8021 was approved and the request to eliminate analysis by 8260 will be further discussed and resolved later.

Please let me know if I have misstated any of the required/expected analyses for this event.

Thanks for your time this afternoon.

Bob Foss

Robert C. Foss, P.G.
Conestoga-Rovers & Associates (CRA)
5900 Hollis Street, Suite A
Emeryville, CA 94608
(510) 420-3348 office
(925) 413-8707 cell
(510) 420-9170 fax

APPENDIX B

STANDARD FIELD PROCEDURES FOR
GROUNDWATER MONITORING AND LOW FLOW SAMPLING

Conestoga-Rovers & Associates

STANDARD FIELD PROCEDURES FOR GROUNDWATER MONITORING AND LOW FLOW SAMPLING

This document presents standard field methods for groundwater monitoring, purging and sampling, and well development. These procedures are designed to comply with Federal, State and local regulatory guidelines. Conestoga-Rovers and Associate's field procedures are summarized below.

Groundwater Elevation Monitoring

Prior to performing monitoring activities, the historical monitoring and analytical data of each monitoring well shall be reviewed to determine if any of the wells are likely to contain non-aqueous phase liquid (NAPL) and to determine the order in which the wells will be monitored (i.e. cleanest to dirtiest). Groundwater monitoring should not be performed when the potential exists for surface water to enter the well (i.e. flooding during a rainstorm).

Prior to monitoring, each well shall be opened and the well cap removed to allow water levels to stabilize and equilibrate. The condition of the well box and well cap shall be observed and recommended repairs noted. Any surface water that may have entered and flooded the well box should be evacuated prior to removing the well cap. In wells with no history of NAPL, the static water level and total well depth shall be measured to the nearest 0.01 foot with an electronic water level meter. Wells with the highest contaminant concentrations shall be measured last. In wells with a history of NAPL, the NAPL level/thickness and static water level shall be measured to the nearest 0.01 foot using an electronic interface probe. The water level meter and/or interface probe shall be thoroughly cleaned and decontaminated at the beginning of the monitoring event and between each well. Monitoring equipment shall be washed using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water.

Groundwater Purging and Sampling

Prior to groundwater purging and sampling, the historical analytical data of each monitoring well shall be reviewed to determine the order in which the wells should be purged and sampled (i.e. cleanest to dirtiest). No purging or groundwater sampling shall be performed on wells with a measurable thickness of NAPL or floating NAPL globules. If a sheen is observed, the well should be purged and a groundwater sample collected only if no NAPL is present.

Wells shall be purged according to low flow protocol using an aboveground peristaltic pump. Groundwater wells shall be purged at a low flow rate not to exceed 500 milliliters per minute (mL/min) until groundwater parameters of conductivity and/or dissolved oxygen have stabilized to within 10% for three consecutive readings. Temperature, pH, and conductivity shall also be measured and recorded approximately every 3 to 5 minutes. The total volume of groundwater removed shall be recorded along with any other notable physical characteristic such as color and odor. If required, field parameters such as turbidity shall also be measured prior to collection of each groundwater sample.

Conestoga–Rovers & Associates

Groundwater samples shall be collected after well parameters have stabilized at a low flow rate not to exceed 500 mL/min. Groundwater samples shall be decanted into clean containers supplied by the analytical laboratory. New latex gloves and Teflon lined tubing shall be used for sampling each well.

Sample Handling

Except for samples that will be tested in the field, or that require special handling or preservation, samples shall be stored in coolers chilled to 4° C for shipment to the analytical laboratory. Samples shall be labeled, placed in protective foam sleeves or bubble wrap as needed, stored on crushed ice at or below 4° C, and submitted under chain-of-custody (COC) to the laboratory. The laboratory shall be notified of the sample shipment schedule and arrival time. Samples shall be shipped to the laboratory within a time frame to allow for extraction and analysis to be performed within the standard sample holding times.

Sample labels shall be filled out using indelible ink and must contain the site name; field identification number; the date, time, and location of sample collection; notation of the type of sample; identification of preservatives used; remarks; and the signature of the sampler. Field identification must be sufficient to allow easy cross-reference with the field datasheet.

All samples submitted to the laboratory shall be accompanied by a COC record to ensure adequate documentation. A copy of the COC shall be retained in the project file. Information on the COC shall consist of the project name and number; project location; sample numbers; sampler/recorder's signature; date and time of collection of each sample; sample type; analyses requested; name of person receiving the sample; and date of receipt of sample.

Laboratory-supplied trip blanks shall accompany the samples and be analyzed to check for cross-contamination, if requested by the project manager.

Waste Handling and Disposal

Groundwater extracted during sampling shall be stored onsite in sealed U.S. DOT H17 55-gallon drums and shall be labeled with the contents, date of generation, generator identification, and consultant contact. Extracted groundwater may be disposed offsite by a licensed waste handler or may be treated and discharged via an operating onsite groundwater extraction/treatment system.

APPENDIX C

FIELD DATA SHEETS



WELL GAUGING SHEET


Client: Conestoga-Rovers and Associates

pg 1 of 2

Site

Address: 1137 - 1167 65th Street, Oakland, CA

Date: 9/30/2010

Signature: 

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1A	3:00		5.80		14.40	
MW-1B	2:55		9.76		19.70	
MW-1C	2:50		9.74		34.53	
MW-2A	3:10		5.78		11.15	
MW-3A	3:25		4.21		13.84	
MW-3B	3:20		8.81		23.70	
MW-3C	3:15		11.36		35.54	
MW-4A	2:25		2.32		12.65	
MW-4B	2:20		5.85		20.75	
MW-4C	2:15		7.75		32.00	
MW-5B	2:10		8.31		23.04	



MICRO PURGE WELL SAMPLING FORM

Date:	9/30/2010
Client:	Conestoga-Rovers and Associates
Site Address:	1137 - 1167 65th Street, Oakland, CA
	Well ID: MW-1A
	Well Diameter: 2"
	Purging Device: Peristaltic Pump
	Sampling Method: Peristaltic Pump
Total Well Depth from top of casing: 14.40	
Water level at the start of purge from top of casing: 5.80	
Approximate depth of water intake on pump from top of casing: 7.0	

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (μ S/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
11:48	100	--	--	--	--	--	5.80	---	
11:51	100	15.6	6.98	290	39	2.15	5.83	21	
11:54	100	15.9	7.02	284	26	1.70	5.86	17	
11:57	100	15.9	7.03	281	25	1.08	5.87	16	
12:00	100	15.9	7.03	280	25	1.05	5.88	16	
12:03	100	15.9	7.03	280	25	1.04	5.88	16	
									total purge volume = 1500 ml
Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method			
MW-1A	9/30/10	12:04	1 L Amber Glass, and/or 40 ml VOA	HCl	see COC	8015, 8021, 8260			
									Signature:



MICRO PURGE WELL SAMPLING FORM

Date:	9/30/2010
Client:	Conestoga-Rovers and Associates
Site Address:	1137 - 1167 65th Street, Oakland, CA
Well ID:	MW-1B
Well Diameter:	2"
Purging Device:	Peristaltic Pump
Sampling Method:	Perisaltic Pump
Total Well Depth from top of casing:	19.70
Water level at the start of purge from top of casing:	9.76
Approximate depth of water intake on pump from top of casing:	17.5

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
10:50	100	--	--	--	--	--	9.76	---	
10:53	100	15.9	6.64	1090	61	1.93	9.78	26	
10:56	100	16.2	6.59	1168	54	1.62	9.79	19	
10:59	100	16.3	6.57	1172	50	1.20	9.79	19	
11:02	100	16.3	6.56	1179	47	0.97	9.81	19	
11:05	100	16.4	6.55	1180	45	0.95	9.81	17	
11:08	100	16.5	6.55	1181	45	0.91	9.81	17	
									total purge volume = 1800 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-1B	9/30/10	11:09	1 L Amber Glass, and/or 40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature: 



MICRO PURGE WELL SAMPLING FORM

Date:	9/30/2010
Client:	Conestoga-Rovers and Associates
Site Address:	1137 - 1167 65th Street, Oakland, CA
Well ID:	MW-2A
Well Diameter:	4"
Purging Device:	Peristaltic Pump
Sampling Method:	Perisaltic Pump
Total Well Depth from top of casing:	11.15
Water level at the start of purge from top of casing:	5.78
Approximate depth of water intake on pump from top of casing:	7.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
11:50	100	--	--	--	--	--	5.78	---	
11:53	100	15.5	7.18	419	26	1.27	5.82	10	
11:56	100	16.0	7.20	412	19	0.91	5.82	7	
11:59	100	15.9	7.24	408	19	0.77	5.82	6	
12:02	100	15.9	7.24	405	19	0.71	5.82	6	
12:05	100	15.9	7.27	405	17	0.70	5.82	6	
12:08	100	15.9	7.27	405	17	0.70	5.82	4	
									total purge volume = 1800 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-2A	10/1/10	12:09	1 L Amber Glass, and/or 40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature:



MICRO PURGE WELL SAMPLING FORM

Date:	9/30/2010
Client:	Conestoga-Rovers and Associates
Site Address:	1137 - 1167 65th Street, Oakland, CA
Well ID:	MW-3A
Well Diameter:	2"
Purging Device:	Peristaltic Pump
Sampling Method:	Perisaltic Pump
Total Well Depth from top of casing:	13.84
Water level at the start of purge from top of casing:	4.20
Approximate depth of water intake on pump from top of casing:	6.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
10:20	100	--	--	--	--	--	4.20	—	
10:23	100	15.9	6.91	1214	-56	1.35	4.23	17	
10:26	100	15.6	6.95	1210	-43	1.07	4.23	13	
10:29	100	15.5	6.95	1196	-40	0.89	4.25	13	
10:32	100	15.5	6.97	1190	-40	0.70	4.26	13	
10:35	100	15.5	6.97	1189	-40	0.68	4.26	13	
10:38	100	15.5	6.97	1188	-40	0.67	4.26	11	
									total purge volume = 1800 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-3A10/1/10		10:39	1 L Amber Glass, and/or 40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature:



MICRO PURGE WELL SAMPLING FORM

Date:	9/30/2010
Client:	Conestoga-Rovers and Associates
Site Address:	1137 - 1167 65th Street, Oakland, CA
Well ID:	MW-3B
Well Diameter:	1"
Purging Device:	Peristaltic Pump
Sampling Method:	Perisataltic Pump
Total Well Depth from top of casing:	23.70
Water level at the start of purge from top of casing:	8.80
Approximate depth of water intake on pump from top of casing:	18.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
9:23	100	--	--	--	--	--	8.80	---	
9:26	100	15.1	6.33	1025	20	1.03	8.84	70	
9:29	100	15.6	6.35	995	12	0.71	8.85	64	
9:32	100	16.0	6.35	992	-1	0.67	8.85	60	
9:35	100	16.0	6.35	992	-4	0.65	8.86	58	
9:38	100	16.1	6.35	990	-4	0.64	8.89	58	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-3B	10/1/10	9:39	1 L Amber Glass, and/or 40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature: 



MICRO PURGE WELL SAMPLING FORM

Date: 9/30/2010
 Client: Conestoga-Rovers and Associates
 Site Address: 1137 - 1167 65th Street, Oakland, CA

Well ID: MW-3C
 Well Diameter: 1"
 Purging Device: Peristaltic Pump
 Sampling Method: Peristaltic Pump
 Total Well Depth from top of casing: 35.54
 Water level at the start of purge from top of casing: 11.36
 Approximate depth of water intake on pump from top of casing: 28.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
8:30	100	--	--	--	--	--	11.36	—	
8:33	100	17.2	7.01	1208	29	1.57	11.39	629	
8:36	100	17.2	7.01	1179	33	1.08	11.43	540	
8:39	100	17.5	7.03	1175	36	0.96	11.46	520	
8:42	100	17.7	7.03	1174	36	0.94	11.48	520	
8:45	100	17.8	7.03	1174	38	0.94	11.48	522	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-3C	10/1/10	8:46	1 L Amber Glass, and/or 40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature: 



MICRO PURGE WELL SAMPLING FORM

Date:	9/30/2010
Client:	Conestoga-Rovers and Associates
Site Address:	1137 - 1167 65th Street, Oakland, CA
Well ID:	MW-4A
Well Diameter:	2"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	12.65
Water level at the start of purge from top of casing:	2.30
Approximate depth of water intake on pump from top of casing:	4.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
7:20	100	--	--	--	--	--	2.30	—	
7:23	100	11.9	10.03	879	21	1.07	2.30	10	
7:26	100	12.7	9.85	864	18	0.95	2.36	10	
7:29	100	12.7	9.81	864	16	0.91	2.39	6	
7:32	100	12.7	9.80	862	16	0.89	2.39	4	
7:35	100	12.7	9.80	860	14	0.87	2.41	4	
7:38	100	12.7	9.80	860	13	0.87	2.41	4	
									total purge volume = 1800ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-4A	10/1/10	7:39	1 L Amber Glass, and/or 40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature:



MICRO PURGE WELL SAMPLING FORM

Date: 9/30 2010	
Client: Conestoga-Rovers and Associates	
Site Address: 1137 - 1167 65th Street, Oakland, CA	
Well ID:	MW-6A
Well Diameter:	2"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	
	14.10
Water level at the start of purge from top of casing:	
	5.71
Approximate depth of water intake on pump from top of casing:	
	7.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
6:10	100	--	--	--	--	--	5.71	—	
6:13	100	15.7	6.68	510	13	1.10	5.74	5	
6:16	100	15.2	6.65	524	10	0.70	5.74	8	
6:19	100	15.2	6.65	524	-6	0.61	5.74	8	
6:22	100	15.1	6.65	527	-6	0.59	5.79	8	
6:25	100	15.0	6.65	530	-6	0.59	5.79	9	
									total purge volume = 1500ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6A	9/30/10	6:26	1 L Amber Glass, and/or 40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature:



MICRO PURGE WELL SAMPLING FORM

Date: 9/30/2010
Client: Conestoga-Rovers and Associates
Site Address: 1137 - 1167 65th Street, Oakland, CA
Well ID: MW-613
Well Diameter: 2"
Purging Device: Peristaltic Pump
Sampling Method: Peristaltic Pump
Total Well Depth from top of casing: 22.00
Water level at the start of purge from top of casing: 8.47
Approximate depth of water intake on pump from top of casing: 18.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
5:12	100	--	--	--	--	--	8.47	---	
5:15	100	16.8	6.52	1193	22	1.17	8.49	21	
5:18	100	16.4	6.55	1170	15	1.11	8.50	16	
5:21	100	16.4	6.57	1124	12	0.95	8.50	13	
5:24	100	16.3	6.57	1121	10	0.89	8.50	10	
5:27	100	16.3	6.57	1119	10	0.86	8.51	8	
5:30	100	16.3	6.57	1118	9	0.86	8.51	9	
									total purge volume = 200 1800 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-613	9/30/10	5:31	1 L Amber Glass, and/or 40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature:



MICRO PURGE WELL SAMPLING FORM

Date:	9/30/2010
Client:	Conestoga-Rovers and Associates
Site Address:	1137 - 1167 65th Street, Oakland, CA
Well ID:	MW-6C
Well Diameter:	2 1/4"
Purging Device:	Peristaltic Pump
Sampling Method:	Perisaltic Pump
Total Well Depth from top of casing:	33.76
Water level at the start of purge from top of casing:	8.45
Approximate depth of water intake on pump from top of casing:	28.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
4:12	100	--	--	--	--	--	8.45	---	
4:15	100	17.6	6.81	1039	27	1.10	8.45	7	
4:18	100	17.9	6.84	1044	29	0.86	8.46	7	
4:21	100	18.0	6.85	1048	33	0.86	8.46	5	
4:24	100	18.0	6.85	1049	34	0.84	8.46	5	
4:27	100	18.2	6.86	1050	35	0.84	8.47	5	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6C	9/30/10	4:28	1 L Amber Glass, and/or 40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature:



MICRO PURGE WELL SAMPLING FORM

Date: 9/30/2010

Client: Conestoga-Rovers and Associates

Site Address: 1137 - 1167 65th Street, Oakland, CA

Well ID:	MW-7A
Well Diameter:	1"
Purging Device:	Peristaltic Pump
Sampling Method:	Perisaltic Pump
Total Well Depth from top of casing:	10.00
Water level at the start of purge from top of casing:	4.33
Approximate depth of water intake on pump from top of casing:	6.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
9:40	100	--	--	--	--	--	4.33	---	
9:43	100	14.8	6.89	1037	-29	1.05	4.35	102	
9:46	100	15.1	6.89	1039	-33	0.70	4.37	96	
9:49	100	15.3	6.83	1042	-37	0.70	4.37	81	
9:52	100	15.4	6.83	1044	-37	0.64	4.39	80	
9:55	100	15.5	6.83	1045	-39	0.62	4.40	78	
9:58	100	15.5	6.83	1045	-39	0.62	4.40	79	
									total purge volume = 1800ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-7A	9/30/10	9:59	1 L Amber Glass, and/or 40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature:




MICRO PURGE WELL SAMPLING FORM

Date: 9/30/2010	
Client: Conestoga-Rovers and Associates	
Site Address: 1137 - 1167 65th Street, Oakland, CA	
Well ID:	MW-7B
Well Diameter:	1"
Purging Device:	Peristaltic Pump
Sampling Method:	Perisaltic Pump
Total Well Depth from top of casing: 22.45	
Water level at the start of purge from top of casing: 9.74	
Approximate depth of water intake on pump from top of casing: 18.0	

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (μS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
8:35	100	--	--	--	--	--	9.74	—	
8:38	100	16.5	7.19	1027	8	1.07	9.77	549	
8:41	100	16.1	7.17	1019	4	0.72	9.79	570	
8:44	100	16.4	7.16	1016	2	0.70	9.79	584	
8:47	100	16.2	7.14	1012	-4	0.70	9.80	580	
8:50	100	16.2	7.14	1012	-3	0.70	9.80	582	
8:53	100	16.2	7.12	1012	-3	0.70	9.80	580	

total purge volume = 1800ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-7B	9/30/10	8:54	1 L Amber Glass, and/or 40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature: 



MICRO PURGE WELL SAMPLING FORM

Date:	9/30/2010
Client:	Conestoga-Rovers and Associates
Site Address:	1137 - 1167 65th Street, Oakland, CA
Well ID:	MW-7C
Well Diameter:	1"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	29-70
Water level at the start of purge from top of casing:	10.72
Approximate depth of water intake on pump from top of casing:	26.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
7:35	100	--	--	--	--	--	10.72	—	
7:38	100	16.7	7.01	1394	21	1.09	10.74	194	
7:41	100	16.8	7.04	1390	18	0.94	10.74	192	
7:44	100	16.9	7.04	1390	15	0.90	10.77	190	
7:47	100	16.9	7.07	1387	15	0.89	10.77	190	
7:50	100	17.0	7.07	1387	14	0.87	10.77	187	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-7C	9/30/10	7:51	1 L Amber Glass, and/or 40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature:

APPENDIX D

CERTIFIED ANALYTICAL REPORTS AND
CHAIN-OF-CUSTODY DOCUMENTATION



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #521000; John Nady	Date Sampled: 09/30/10-10/01/10
		Date Received: 10/01/10
	Client Contact: Bob Foss	Date Reported: 10/08/10
	Client P.O.:	Date Completed: 10/08/10

WorkOrder: 1010032

October 08, 2010

Dear Bob:

Enclosed within are:

- 1) The results of the **13** analyzed samples from your project: **#521000; John Nady**,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McC Campbell Analytical, Inc.



McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701

Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

1010032

CHAIN OF CUSTODY RECORD

PS10f2

TURN AROUND TIME

RUSH
 24 HR
 48 HR
 72 HR
 5 DAY

GeoTracker EDF PDF Excel Write On (DW)

Check if sample is effluent and "J" flag is required

Report To: Bob Foss Bill To: Conestoga-Rovers & Associates Analysis Request Other Comments

Company: Conestoga-Rovers & Associates

5400 Hollis St., Ste. A
Emeryville, CA E-Mail: bfoss@crworld.com
cheep@crworld.com

Tele: (510) 420-3348 Fax: (510) 420-9170

Project #: 521000 Project Name: John Nady

Project Location: 1137-1167 65th Street, Oakland, CA

Sampler Signature: Muskan Environmental Sampling

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX										METHOD PRESERVED	Other	Comments																			
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO ₃	Other	BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE TPH as Diesel (8015) / <u>no with site of cleanup</u>				Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505 / 608 / 8081 (CI Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic CI Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Filter sample for DISSOLVED metals analysis				
MW-1A		9/30/10	12:04	2	VOA Amb																	X														X	
MW-1B		9/30/10	11:09	1																		X														X	
MW-2A		10/1/10	12:00	1																		X													X		
MW-3A		10/1/10	10:39	1																		X													X		
MW-3B		10/1/10	9:39	1																		X													X		
MW-3C		10/1/10	8:46	1																		X													X		
MW-4A		10/1/10	7:34	1																		X													X		
MW-6A		9/30/10	6:26	1																		X													X		
MW-6B		9/30/10	5:31	1																		X													X		
MW-6C		9/30/10	4:28	4	VOA VOA Amb																	X													X		
MW-7A		9/30/10	9:59	4	VOA VOA Amb																	X													X		

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By: <u>[Signature]</u>	Date: <u>10/1</u>	Time: <u>2:47</u>	Received By: <u>[Signature]</u>	ICE# <u>39</u> ✓ GOOD CONDITION ✓ HEAD SPACE ABSENT ✓ DECHLORINATED IN LAB ✓ APPROPRIATE CONTAINERS ✓ PRESERVED IN LAB ✓ COMMENTS: Per Janiv let samples sit to allow sediment to settle 10/1/10 per BF we will decant VOAS ✓ O&G METALS OTHER PRESERVATION ✓ pH<2
Relinquished By:	Date:	Time:	Received By:	
Relinquished By:	Date:	Time:	Received By:	



McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701

Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH 24 HR 48 HR 72 HR 5 DAY

GeoTracker EDF PDF Excel Write On (DW)

Check if sample is effluent and "J" flag is required

Report To: Bob Foss	Bill To: Conestoga-Rovers & Associates	Analysis Request	Other	Comments
Company: Conestoga-Rovers & Associates				
Address: 5900 Hollis St., Ste. A Emeryville, CA				
Tele: (510) 420-3348	E-Mail: b.foss@crworld.com cheep@crworld.com			
Project #: 521000	Fax: (510) 420-9170			
Project Location: 1137-1167 65th Street, Oakland, CA	Project Name: John Nady			
Sampler Signature: Muskan Environmental Sampling				

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED		Analysis Request	Other	Comments			
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL				HNO ₃	Other	
+5 MW-7B MW-7C TB		9/30/10	8:54	2	VOA													
		9/30/10	7:51	1	VOA													
		9/30/10	-	1	VOA													

****MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.**

Relinquished By:	Date: 10/1	Time: 2:47	Received By:	ICE/A* _____	COMMENTS: GOOD CONDITION _____ HEAD SPACE ABSENT _____ DECHLORINATED IN LAB _____ APPROPRIATE CONTAINERS _____ PRESERVED IN LAB _____ VOAS O&G METALS OTHER PRESERVATION pH<2
Relinquished By:	Date:	Time:	Received By:		
Relinquished By:	Date:	Time:	Received By:		

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1010032

ClientCode: CETE

WaterTrax
 WriteOn
 EDF
 Excel
 Fax
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:	Bob Foss	Email: bfoss@croworld.com, chee@croworld.co	Bill to:	Accounts Payable	Requested TAT: 5 days
	Conestoga-Rovers & Associates	cc:		Conestoga-Rovers & Associates	Date Received: 10/01/2010
	5900 Hollis St, Suite A	PO:		5900 Hollis St, Ste. A	Date Printed: 10/04/2010
	Emeryville, CA 94608	ProjectNo: #521000; John Nady		Emeryville, CA 94608	
	(510) 420-0700 FAX (510) 420-9170				

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1010032-001	MW-1A	Water	9/30/2010 12:04	<input type="checkbox"/>	B	A	A										
1010032-002	MW-1B	Water	9/30/2010 11:09	<input type="checkbox"/>	B	A											
1010032-003	MW-2A	Water	10/1/2010 12:09	<input type="checkbox"/>		A											
1010032-004	MW-3A	Water	10/1/2010 10:39	<input type="checkbox"/>	B	A											
1010032-005	MW-3B	Water	10/1/2010 9:39	<input type="checkbox"/>	B	A											
1010032-006	MW-3C	Water	10/1/2010 8:40	<input type="checkbox"/>	B	A											
1010032-007	MW-4A	Water	10/1/2010 7:39	<input type="checkbox"/>		A											
1010032-008	MW-6A	Water	10/1/2010 6:26	<input type="checkbox"/>	B	A											
1010032-009	MW-6B	Water	10/1/2010 5:31	<input type="checkbox"/>	B	A											
1010032-010	MW-6C	Water	9/30/2010 4:28	<input type="checkbox"/>	A												
1010032-011	MW-7A	Water	9/30/2010 9:59	<input type="checkbox"/>	B	A											
1010032-012	MW-7B	Water	9/30/2010 8:54	<input type="checkbox"/>	B	A											
1010032-013	MW-7C	Water	9/30/2010 7:51	<input type="checkbox"/>	B	A											

Test Legend:

1	8010BMS_W	2	G-MBTEX_W	3	PREF REPORT	4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 011A, 012A, 013A contain testgroup.

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **10/1/2010 6:01:42 PM**

Project Name: **#521000; John Nady**

Checklist completed and reviewed by: **Melissa Valles**

WorkOrder N°: **1010032** Matrix Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Sample IDs noted by Client on COC? Yes No
- Date and Time of collection noted by Client on COC? Yes No
- Sampler's name noted on COC? Yes No

Sample Receipt Information

- Custody seals intact on shipping container/cooler? Yes No NA
- Shipping container/cooler in good condition? Yes No
- Samples in proper containers/bottles? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No

Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes No
 - Container/Temp Blank temperature Cooler Temp: 3.8°C NA
 - Water - VOA vials have zero headspace / no bubbles? Yes No No VOA vials submitted
 - Sample labels checked for correct preservation? Yes No
 - Metal - pH acceptable upon receipt (pH<2)? Yes No NA
 - Samples Received on Ice? Yes No
- (Ice Type: WET ICE)

* NOTE: If the "No" box is checked, see comments below.

Client contacted:

Date contacted:

Contacted by:

Comments:



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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #521000; John Nady	Date Sampled: 09/30/10
		Date Received: 10/01/10
	Client Contact: Bob Foss	Date Reported: 10/08/10
	Client P.O.:	Date Completed: 10/08/10

Work Order: 1010032

October 11, 2010

RE: Total Extractable Petroleum Hydrocarbons

Per client's request, the sediments were excluded from the extraction by centrifuging the samples, then the aqueous phase was transferred to another container for extraction.



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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #521000; John Nady	Date Sampled: 09/30/10-10/01/10
		Date Received: 10/01/10
	Client Contact: Bob Foss	Date Extracted: 10/04/10-10/05/10
	Client P.O.:	Date Analyzed: 10/04/10-10/05/10

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1010032

Lab ID	1010032-001B	1010032-002B	1010032-004B	1010032-005B	Reporting Limit for DF =1	
Client ID	MW-1A	MW-1B	MW-3A	MW-3B	S	W
Matrix	W	W	W	W		
DF	1	1	5	1		

Compound	Concentration				µg/kg	µg/L
Bromodichloromethane	ND	ND	ND<2.5	ND	NA	0.5
Bromoform	ND	ND	ND<2.5	ND	NA	0.5
Bromomethane	ND	ND	ND<2.5	ND	NA	0.5
Carbon Tetrachloride	ND	ND	ND<2.5	ND	NA	0.5
Chlorobenzene	ND	ND	83	ND	NA	0.5
Chloroethane	ND	ND	ND<2.5	ND	NA	0.5
Chloroform	ND	ND	ND<2.5	ND	NA	0.5
Chloromethane	ND	ND	ND<2.5	ND	NA	0.5
Dibromochloromethane	ND	ND	ND<2.5	ND	NA	0.5
1,2-Dibromoethane (EDB)	ND	ND	ND<2.5	ND	NA	0.5
1,2-Dichlorobenzene	ND	ND	ND<2.5	ND	NA	0.5
1,3-Dichlorobenzene	ND	ND	ND<2.5	ND	NA	0.5
1,4-Dichlorobenzene	ND	ND	5.4	ND	NA	0.5
Dichlorodifluoromethane	ND	ND	ND<2.5	ND	NA	0.5
1,1-Dichloroethane	1.1	15	ND<2.5	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	6.4	ND<2.5	ND	NA	0.5
1,1-Dichloroethene	ND	ND	ND<2.5	ND	NA	0.5
cis-1,2-Dichloroethene	13	7.9	ND<2.5	ND	NA	0.5
trans-1,2-Dichloroethene	ND	ND	ND<2.5	ND	NA	0.5
1,2-Dichloropropane	ND	ND	ND<2.5	ND	NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND<2.5	ND	NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND<2.5	ND	NA	0.5
Freon 113	ND	ND	ND<50	ND	NA	10
Methylene chloride	ND	ND	ND<2.5	ND	NA	0.5
1,1,1,2-Tetrachloroethane	ND	ND	ND<2.5	ND	NA	0.5
1,1,1,2,2-Tetrachloroethane	ND	ND	ND<2.5	ND	NA	0.5
Tetrachloroethene	2.5	ND	ND<2.5	ND	NA	0.5
1,1,1-Trichloroethane	ND	ND	ND<2.5	ND	NA	0.5
1,1,2-Trichloroethane	ND	ND	ND<2.5	ND	NA	0.5
Trichloroethene	2.6	ND	ND<2.5	ND	NA	0.5
Trichlorofluoromethane	ND	ND	ND<2.5	ND	NA	0.5
Vinyl Chloride	1.5	ND	ND<2.5	ND	NA	0.5

Surrogate Recoveries (%)

%SS1:	94	101	95	101
%SS2:	95	103	100	102
%SS3:	88	95	104	100

Comments

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

b1) aqueous sample that contains greater than ~1 vol. % sediment



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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #521000; John Nady	Date Sampled: 09/30/10-10/01/10
		Date Received: 10/01/10
	Client Contact: Bob Foss	Date Extracted: 10/04/10-10/05/10
	Client P.O.:	Date Analyzed: 10/04/10-10/05/10

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1010032

Lab ID	1010032-006B	1010032-008B	1010032-009B	1010032-010A	Reporting Limit for DF =1	
Client ID	MW-3C	MW-6A	MW-6B	MW-6C	S	W
Matrix	W	W	W	W		
DF	1	1	1	1		

Compound	Concentration				µg/kg	µg/L
Bromodichloromethane	ND	ND	ND	ND	NA	0.5
Bromoform	ND	ND	ND	ND	NA	0.5
Bromomethane	ND	ND	ND	ND	NA	0.5
Carbon Tetrachloride	ND	ND	ND	ND	NA	0.5
Chlorobenzene	ND	ND	ND	ND	NA	0.5
Chloroethane	ND	ND	0.95	ND	NA	0.5
Chloroform	ND	ND	ND	ND	NA	0.5
Chloromethane	ND	ND	ND	ND	NA	0.5
Dibromochloromethane	ND	ND	ND	ND	NA	0.5
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	NA	0.5
1,2-Dichlorobenzene	ND	ND	ND	ND	NA	0.5
1,3-Dichlorobenzene	ND	ND	ND	ND	NA	0.5
1,4-Dichlorobenzene	ND	ND	ND	ND	NA	0.5
Dichlorodifluoromethane	ND	ND	ND	ND	NA	0.5
1,1-Dichloroethane	ND	ND	ND	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	NA	0.5
1,1-Dichloroethene	ND	ND	ND	ND	NA	0.5
cis-1,2-Dichloroethene	ND	ND	0.69	ND	NA	0.5
trans-1,2-Dichloroethene	ND	ND	ND	ND	NA	0.5
1,2-Dichloropropane	ND	ND	ND	ND	NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND	ND	NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND	ND	NA	0.5
Freon 113	ND	ND	ND	ND	NA	10
Methylene chloride	ND	ND	ND	ND	NA	0.5
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	NA	0.5
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	NA	0.5
Tetrachloroethene	ND	ND	ND	ND	NA	0.5
1,1,1-Trichloroethane	ND	ND	ND	ND	NA	0.5
1,1,2-Trichloroethane	ND	ND	ND	ND	NA	0.5
Trichloroethene	ND	ND	ND	ND	NA	0.5
Trichlorofluoromethane	ND	ND	ND	ND	NA	0.5
Vinyl Chloride	ND	ND	ND	ND	NA	0.5

Surrogate Recoveries (%)

%SS1:	93	93	98	100	
%SS2:	100	96	99	103	
%SS3:	83	101	91	105	

Comments

b1

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

b1) aqueous sample that contains greater than ~1 vol. % sediment



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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #521000; John Nady	Date Sampled: 09/30/10-10/01/10
		Date Received: 10/01/10
	Client Contact: Bob Foss	Date Extracted: 10/04/10-10/05/10
	Client P.O.:	Date Analyzed: 10/04/10-10/05/10

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1010032

Lab ID	1010032-011B	1010032-012B	1010032-013B	Reporting Limit for DF =1	
Client ID	MW-7A	MW-7B	MW-7C	S	W
Matrix	W	W	W		
DF	1	1	1		

Compound	Concentration			µg/kg	µg/L
Bromodichloromethane	ND	ND	ND	NA	0.5
Bromoform	ND	ND	ND	NA	0.5
Bromomethane	ND	ND	ND	NA	0.5
Carbon Tetrachloride	ND	ND	ND	NA	0.5
Chlorobenzene	1.8	ND	ND	NA	0.5
Chloroethane	ND	ND	ND	NA	0.5
Chloroform	ND	ND	ND	NA	0.5
Chloromethane	ND	ND	ND	NA	0.5
Dibromochloromethane	ND	ND	ND	NA	0.5
1,2-Dibromoethane (EDB)	ND	ND	ND	NA	0.5
1,2-Dichlorobenzene	ND	ND	ND	NA	0.5
1,3-Dichlorobenzene	ND	ND	ND	NA	0.5
1,4-Dichlorobenzene	ND	ND	ND	NA	0.5
Dichlorodifluoromethane	ND	ND	ND	NA	0.5
1,1-Dichloroethane	ND	ND	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	NA	0.5
1,1-Dichloroethene	ND	ND	ND	NA	0.5
cis-1,2-Dichloroethene	ND	ND	ND	NA	0.5
trans-1,2-Dichloroethene	ND	ND	ND	NA	0.5
1,2-Dichloropropane	ND	ND	ND	NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND	NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND	NA	0.5
Freon 113	ND	ND	ND	NA	10
Methylene chloride	ND	ND	ND	NA	0.5
1,1,1,2-Tetrachloroethane	ND	ND	ND	NA	0.5
1,1,1,2,2-Tetrachloroethane	ND	ND	ND	NA	0.5
Tetrachloroethene	ND	ND	ND	NA	0.5
1,1,1-Trichloroethane	ND	ND	ND	NA	0.5
1,1,2-Trichloroethane	ND	ND	ND	NA	0.5
Trichloroethene	ND	ND	ND	NA	0.5
Trichlorofluoromethane	ND	ND	ND	NA	0.5
Vinyl Chloride	ND	ND	ND	NA	0.5

Surrogate Recoveries (%)

%SS1:	97	96	97		
%SS2:	98	99	97		
%SS3:	98	96	96		

Comments

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or surrogate coelutes with another peak.

b1) aqueous sample that contains greater than ~1 vol. % sediment



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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #521000; John Nady	Date Sampled: 09/30/10-10/01/10
		Date Received: 10/01/10
	Client Contact: Bob Foss	Date Extracted: 10/04/10
	Client P.O.:	Date Analyzed: 10/06/10-10/07/10

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up (Decanted)*

Extraction method: SW3510C/3630C

Analytical methods: SW8015B

Work Order: 1010032

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
1010032-001A	MW-1A	W	670	ND	1	104	e11
1010032-002A	MW-1B	W	ND	ND	1	99	
1010032-003A	MW-2A	W	ND	ND	1	105	
1010032-004A	MW-3A	W	1300	ND	1	105	e11,e2
1010032-005A	MW-3B	W	ND	ND	1	108	
1010032-006A	MW-3C	W	ND	ND	1	107	b1
1010032-007A	MW-4A	W	ND	ND	1	101	e11,e2
1010032-008A	MW-6A	W	5200	2900	5	103	e8,e7
1010032-009A	MW-6B	W	910	ND	1	100	e11,e2
1010032-011A	MW-7A	W	2100	ND	1	102	e11
1010032-012A	MW-7B	W	52	ND	1	105	e11,b1
1010032-013A	MW-7C	W	62	ND	1	102	e11

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	NA	NA	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation:

- b1) aqueous sample that contains greater than ~1 vol. % sediment
- e2) diesel range compounds are significant; no recognizable pattern
- e7) oil range compounds are significant
- e8) kerosene/kerosene range/jet fuel range
- e11) stoddard solvent/mineral spirit (?)

Handwritten signature



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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #521000; John Nady	Date Sampled: 09/30/10-10/01/10
		Date Received: 10/01/10
	Client Contact: Bob Foss	Date Extracted: 10/01/10
	Client P.O.:	Date Analyzed: 10/06/10

Gasoline (C6-C12) & Stoddard Solvent (C9-C12) Range Volatile Hydrocarbons as Gasoline & Stoddard Solvent *

Extraction method: SW5030B

Analytical methods: SW8015Bm

Work Order: 1010032

Lab ID	Client ID	Matrix	TPH(g)	TPH(ss)	DF	% SS	Comments
1010032-001A	MW-1A	W	1200	1300	1	94	d5,d9
1010032-002A	MW-1B	W	ND	ND	1	107	
1010032-003A	MW-2A	W	ND	ND	1	104	
1010032-004A	MW-3A	W	1200	1600	1	99	d5
1010032-005A	MW-3B	W	ND	ND	1	111	
1010032-006A	MW-3C	W	ND	ND	1	104	b1
1010032-007A	MW-4A	W	ND	ND	1	105	
1010032-008A	MW-6A	W	2200	2300	1	109	d5
1010032-009A	MW-6B	W	1200	1600	1	101	d5
1010032-011A	MW-7A	W	2500	3400	1	100	d5
1010032-012A	MW-7B	W	94	120	1	100	d5,b1
1010032-013A	MW-7C	W	87	110	1	98	d5

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	50	50	µg/L
	S	NA	NA	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

%SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
d5) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?)
d9) no recognizable pattern



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 53396

WorkOrder 1010032

EPA Method SW8260B		Extraction SW5030B							Spiked Sample ID: 1009779-002C			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chlorobenzene	ND	10	87.6	89.7	2.35	98.4	97.2	1.19	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	93.6	94.7	1.25	94.5	93.3	1.33	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	2.3	10	102	104	1.50	101	101	0	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	101	107	5.54	115	114	1.50	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	87.4	91.1	4.19	100	98.7	1.31	70 - 130	30	70 - 130	30
%SS1:	90	25	94	94	0	91	93	2.37	70 - 130	30	70 - 130	30
%SS2:	97	25	100	100	0	99	99	0	70 - 130	30	70 - 130	30
%SS3:	79	2.5	97	94	2.66	88	88	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 53396 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010032-005B	10/01/10 9:39 AM	10/04/10	10/04/10 11:28 PM	1010032-006B	10/01/10 8:40 AM	10/05/10	10/05/10 12:10 AM
1010032-008B	10/01/10 6:26 AM	10/05/10	10/05/10 12:52 AM	1010032-009B	10/01/10 5:31 AM	10/05/10	10/05/10 1:33 AM
1010032-010A	09/30/10 4:28 AM	10/05/10	10/05/10 2:14 AM	1010032-011B	09/30/10 9:59 AM	10/05/10	10/05/10 8:54 PM
1010032-012B	09/30/10 8:54 AM	10/05/10	10/05/10 3:37 AM	1010032-013B	09/30/10 7:51 AM	10/05/10	10/05/10 4:18 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and freon 113 may occasionally appear in the method blank at low levels.



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 53491

WorkOrder 1010032

EPA Method SW8260B		Extraction SW5030B							Spiked Sample ID: 1010030-007B			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chlorobenzene	ND	10	111	108	3.06	106	103	3.18	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	89.7	99	9.87	94.5	90.9	3.85	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	95.8	104	8.23	99.4	96.1	3.39	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	121	128	5.59	93	91.2	2.02	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	99.5	104	4.70	109	106	2.52	70 - 130	30	70 - 130	30
%SS1:	96	25	83	90	7.74	87	88	0.892	70 - 130	30	70 - 130	30
%SS2:	100	25	98	99	0.714	98	97	1.51	70 - 130	30	70 - 130	30
%SS3:	89	2.5	86	90	4.77	82	79	3.33	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 53491 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010032-001B	09/30/10 12:04 PM	10/04/10	10/04/10 8:43 PM	1010032-002B	09/30/10 11:09 AM	10/04/10	10/04/10 9:24 PM
1010032-004B	10/01/10 10:39 AM	10/05/10	10/05/10 6:07 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and freon 113 may occasionally appear in the method blank at low levels.



QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 53407

WorkOrder 1010032

EPA Method SW8021B/8015Bm		Extraction SW5030B							Spiked Sample ID: 1009762-009A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) ^f	ND	60	115	110	4.81	122	121	1.47	70 - 130	20	70 - 130	20
MTBE	ND	10	111	111	0	107	97.5	9.73	70 - 130	20	70 - 130	20
Benzene	ND	10	84.3	86.8	2.91	92.2	101	9.11	70 - 130	20	70 - 130	20
Toluene	ND	10	81.7	84.1	2.89	89.3	98.2	9.52	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	81.5	84.4	3.47	90	98	8.53	70 - 130	20	70 - 130	20
Xylenes	ND	30	80.9	83.7	3.49	88.8	96.5	8.29	70 - 130	20	70 - 130	20
%SS:	98	10	94	93	0.823	94	103	8.87	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 53407 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010032-012A	09/30/10 8:54 AM	10/06/10	10/06/10 1:19 PM	1010032-013A	09/30/10 7:51 AM	10/06/10	10/06/10 1:49 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.



QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 53492

WorkOrder 1010032

EPA Method SW8021B/8015Bm		Extraction SW5030B							Spiked Sample ID: 1010030-006A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) ^f	ND	60	102	97.4	4.36	101	98.2	2.83	70 - 130	20	70 - 130	20
MTBE	ND	10	98.1	98.8	0.718	100	105	4.50	70 - 130	20	70 - 130	20
Benzene	ND	10	91	86.3	5.23	91	93.8	3.07	70 - 130	20	70 - 130	20
Toluene	ND	10	91.8	87.2	5.06	92.1	94.4	2.47	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	91.5	86.8	5.24	91.5	93.6	2.27	70 - 130	20	70 - 130	20
Xylenes	ND	30	94.1	89.3	5.29	94	96.2	2.33	70 - 130	20	70 - 130	20
%SS:	98	10	97	95	1.56	96	96	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 53492 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010032-001A	09/30/10 12:04 PM	10/06/10	10/06/10 3:08 AM	1010032-002A	09/30/10 11:09 AM	10/06/10	10/06/10 5:37 AM
1010032-003A	10/01/10 12:09 PM	10/06/10	10/06/10 6:07 AM	1010032-004A	10/01/10 10:39 AM	10/06/10	10/06/10 6:36 AM
1010032-005A	10/01/10 9:39 AM	10/06/10	10/06/10 7:06 AM	1010032-006A	10/01/10 8:40 AM	10/06/10	10/06/10 7:35 AM
1010032-007A	10/01/10 7:39 AM	10/06/10	10/06/10 8:05 AM	1010032-008A	10/01/10 6:26 AM	10/06/10	10/06/10 8:35 AM
1010032-008A	10/01/10 6:26 AM	10/06/10	10/06/10 10:51 PM	1010032-009A	10/01/10 5:31 AM	10/06/10	10/06/10 9:04 AM
1010032-011A	09/30/10 9:59 AM	10/06/10	10/06/10 12:19 PM	1010032-011A	09/30/10 9:59 AM	10/06/10	10/06/10 11:21 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.



QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 53437

WorkOrder 1010032

EPA Method SW8015B		Extraction SW3510C/3630C							Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	83.9	86.8	3.48	N/A	N/A	70 - 130	30
%SS:	N/A	625	N/A	N/A	N/A	107	110	2.82	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 53437 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010032-001A	09/30/10 12:04 PM	10/04/10	10/06/10 6:57 PM	1010032-002A	09/30/10 11:09 AM	10/04/10	10/06/10 8:06 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 53495

WorkOrder 1010032

EPA Method SW8015B		Extraction SW3510C/3630C							Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	100	98.3	1.76	N/A	N/A	70 - 130	30
%SS:	N/A	625	N/A	N/A	N/A	99	100	1.03	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 53495 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010032-003A	10/01/10 12:09 PM	10/04/10	10/07/10 5:21 PM	1010032-004A	10/01/10 10:39 AM	10/04/10	10/07/10 6:36 PM
1010032-005A	10/01/10 9:39 AM	10/04/10	10/07/10 10:15 PM	1010032-006A	10/01/10 8:40 AM	10/04/10	10/07/10 7:50 PM
1010032-007A	10/01/10 7:39 AM	10/04/10	10/07/10 5:18 PM	1010032-008A	10/01/10 6:26 AM	10/04/10	10/07/10 11:26 PM
1010032-009A	10/01/10 5:31 AM	10/04/10	10/07/10 6:29 PM	1010032-011A	09/30/10 9:59 AM	10/04/10	10/07/10 7:39 PM
1010032-012A	09/30/10 8:54 AM	10/04/10	10/07/10 8:49 PM	1010032-013A	09/30/10 7:51 AM	10/04/10	10/07/10 9:58 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.