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TRANSMITTAL

DATE: October 27, 2011

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

ACEHS RO# 82

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1	SECOND 2011 SEMI-ANNUAL GROUNDWATER MONITORING REPORT

- ☐ As Requested
- ☐ For Your Use
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- ☐
- ☐

COMMENTS:
Should you have any questions regarding the content of this document, please contact Robert Foss at (510)420-3348

Copy to: Mr. Frederic Schrag (electronic & hardcopy)
Mr. Dennis Parfitt

Completed by: Robert Foss [Please Print]

Signed: Robert Foss

Filing: **Correspondence File**

SECOND 2011 SEMI-ANNUAL GROUNDWATER MONITORING REPORT

1137-1167 65th STREET
OAKLAND, CALIFORNIA

AGENCY CASE NO. RO0000082

Prepared by:
Conestoga-Rovers & Associates

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OCTOBER 27, 2011
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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 2011 Semi-Annual Groundwater Monitoring Report*. This report describes activities performed during the monitoring and sampling event on August 29, 2011 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 analytic results of this event, as well as planned activities and recommendations for the remainder of 2011 and the First Half of 2012.

1.1 SITE INFORMATION

Site Address	1137-1167 65th Street, Oakland, CA
Site Use	Commercial
Client and Contact	Mr. John Nady, Trustee of the Nady Trust Contact: Mr. Frederic Schrag, Esq.
Consultant and Contact Person	CRA, Mr. 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 August 29, 2011, Muskan Environmental Sampling (MES) conducted 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-3A, MW-6A, MW-6B, MW-6C and MW-7A. The scope of work for this event was modified as follows:

- Total petroleum hydrocarbons as diesel (TPHd), gasoline (TPHg), motor oil (TPHmo), and Stoddard solvent (TPHss) were analyzed in groundwater samples

collected from monitoring wells MW-1A, MW-3A, MW-6A, MW-6B, MW-6C and MW-7A.

- Halogenated volatile organic compounds (HVOCs) were analyzed in groundwater samples collected from monitoring wells MW-1A, MW-1B and MW-6C.

The analysis of TPHg, TPHd, TPHmo and TPHss in wells MW-2A, MW-4A, MW-1B and MW-3B was eliminated due to substantially decreasing or previously non-detected concentrations of these chemicals. Analysis of BTEX and MTBE had previously been eliminated from the sampling scope for all wells. Elimination of EPA Method 8260 analysis for HVOCs was implemented for wells MW-3A, MW-6A, MW-3B, MW-6B, MW-3C and MW-7C. The elimination of Method 8260 analysis was implemented based on a consideration of historical concentrations of HVOC analytes, trends of these analytical concentrations, a comparison to established ESLs, and the locations of the wells considered for analytical reductions. This evaluation and modification to the sampling scope of work was also prompted by the July 1, 2011 implementation of annual Underground Storage Tank (UST) Cleanup Fund budget allocations.

2.1.1 WATER LEVEL MEASUREMENTS

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

2.1.2 GROUNDWATER SAMPLING

MES collected groundwater samples from wells MW-1A, MW-1B, MW-3A, MW-6A, MW-6B, MW-6C and MW-7A. Prior to sampling, MES measured groundwater levels and purged each well. Purging of each well was conducted by lowering the intake tube of a clean peristaltic pump to approximately 1 foot below the initial water level. Depth of groundwater was re-measured prior to low-flow purging, during purging, at the 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. MES recorded field measurements, purge volumes and sample collection data on the field sampling data forms, presented in Appendix B.

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. The chain-of-custody (COC) record is included with the laboratory analytic report in Appendix C.

Groundwater samples were analyzed for TPHd, TPHg, TPHmo and TPHss using modified EPA Method SW8015Bm. Additionally, EPA Method SW8260B analyzed samples for EPA Method 8010 basic target list of HVOCs. Samples marked for TPHd and TPHmo analysis were subjected to silica gel cleanup prior to analysis. The laboratory analytical report is included in Appendix C. Figures 2, 3, and 4 and Tables 2 and 3 document results of these analyses.

2.1.2 WASTE DISPOSAL

Approximately 2.8 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	Southwest
Approximate Hydraulic Gradient	0.029
Range of Measured Water Depth from Top of Casing in Monitoring Wells	2.55 (MW-4A) to 5.62 feet (MW-6A)
Were Measureable Separate Phase Hydrocarbons Observed	No

B-ZONE

Groundwater Flow Direction	Southwest
Approximate Hydraulic Gradient	0.023
Range of Measured Water Depth from Top of Casing in Monitoring Wells	4.97 (MW-4B) to 9.72 feet (MW-7B)
Were Measureable Separate Phase Hydrocarbons Observed	No

C-ZONE

Groundwater Flow Direction	West-Southwest
Approximate Hydraulic Gradient	0.0125
Range of Measured Water Depth from Top of Casing in Monitoring Wells	8.14 (MW-6C) to 11.07 feet (MW-3C)
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 2.55 to 11.07 feet (ft) below top of casing (TOC). Groundwater elevations were calculated by subtracting the depth-to-water measurements from the surveyed TOC elevations. The calculated groundwater elevations for the 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 just below the surface, depending on the time of year and amount of rainfall, to approximately 12 feet below ground surface (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 is typically toward the southwest and the calculated elevations and flow direction from this event are consistent with this historical norm. Groundwater gradient in the A-Zone, based on the highest to lowest groundwater elevations, was calculated at 0.029 (Figure 2). The less defined B-zone occurs from approximately 13 to 24 ft bgs and exhibits confined or semi-confined conditions. 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 0.023 (Figure 3). The C-zone is defined as the water bearing zone occurring from approximately 25 to 46 ft bgs. This zone also exhibits confined or semi-confined conditions. C-zone monitoring wells are MW-1C, MW-3C, MW-4C, MW-6C and MW-7C. The calculated C-zone groundwater flow direction is toward the west-southwest at an approximate gradient of 0.0125 (Figure 4).

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-3A, MW-6A and MW-7A were analyzed for petroleum hydrocarbons and MW-1A was analyzed for HVOCs. The reduction of sample analyses was implemented based on the justification described in Section 2.1 above.

Petroleum hydrocarbons were detected in all four sampled A-zone monitoring wells. Diesel-range compound concentrations ranged from 820 micrograms per liter (µg/L) in well MW-1A to 5,300 µg/L in well MW-6A. Reported concentrations in both the TPHg- and TPHd-range analyses are noted in the lab report as not resembling either gasoline or diesel, and appear to indicate the presence of mineral spirits or stoddard solvent. TPHg concentrations ranged from 1,200 µg/L in well MW-1A to 2,200 µg/L in MW-6A. TPHmo was below the laboratory reporting limit in all A-zone wells sampled. Detected concentrations of TPH as stoddard solvent (TPHss) were reported in all four A-zone wells, ranging from 1,800 µg/L in MW-7A to 2,900 µg/L in well MW-6A.

Tetrachloroethene (PCE) was detected in MW-1A at concentrations of 0.61 µg/L. Cis-1,2-Dichloroethene (cis-1,2-DCE) and vinyl chloride (VC), both degradation products of PCE, were reported in well MW-1A at 10 and 1.3 µg/L, respectively. HVOC compounds 1,2-Dichlorobenzene (1,2-DCB) and 1,1-Dichloroethane (1,1-DCA) were also reported in MW-1A at 1.1 and 0.91 µg/L, respectively. With the exception of cis-1,2-DCE and VC, all reported constituent concentrations are below Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for drinking water sources and well below ESLs for groundwater not a current or potential drinking water resource. Both cis-1,2-DCE and VC in MW-1A exceed the drinking water ESLs of 6.0 and 0.5 µg/L, respectively, by small concentrations.

A-zone groundwater analytical data and water level data are presented in Tables 2 and 3, and summarized on Figure 2. The laboratory analytical report is included as Appendix C.

2.2.3 CHEMICALS DETECTED IN B-ZONE GROUNDWATER

B-zone monitoring wells MW-1B and MW-6B were sampled during the August 29th field event. The sample from MW-6B was analyzed for petroleum hydrocarbons by EPA Methods SW8015C and the sample from MW-1B was analyzed for HVOCs by EPA Method 8260.

Petroleum hydrocarbons were only detected in MW-6B at concentrations of 490 µg/L TPHg, 710 µg/L TPHd and 670 µg/L TPHss. Similar to the A-zone analytical results, the lab report notes that TPHg and TPHd chromatograms appear to resemble stoddard solvent more closely than either gasoline or diesel. Concentrations of 11 µg/L cis-1,2-DCE, 18 µg/L 1,1-DCA and 9.3 µg/L 1,2-DCA were reported in well MW-1B. No PCE, TCE, 1,2-DCB, nor VC were detected in the B-zone well MW-1B. B-zone groundwater analytical data and water level data are presented in Tables 2 and 3 and summarized on Figure 3. The laboratory analytical report is included as Appendix C.

2.2.4 CHEMICALS DETECTED IN C-ZONE GROUNDWATER

Only C-zone monitoring well MW-6C was sampled and analyzed for petroleum hydrocarbons by EPA Method SW8015C and for HVOCs by EPA Method 8260. No petroleum hydrocarbons nor HVOCs were detected in well MW-6C. C-zone groundwater analytical data and water level data are presented in Tables 2 and 3, and summarized on Figure 4. The laboratory analytical report is included as Appendix C.

2.2.5 GEOTRACKER SUBMITTALS

CRA uploaded the August 29, 2011 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 THE REMAINDER OF 2011 AND THE FIRST HALF OF 2012

2.3.1 SUB-SLAB VAPOR PROBE INSTALLATION AND SAMPLING AT 1164 OCEAN AVE

CRA submitted a workplan for installation and sampling of sub-slab vapor probes within the building at the north end of 1164 Ocean Avenue to ACEH on June 10, 2011. An addendum to this workplan was submitted on July 29, 2011 suggesting resampling of onsite sub-slab vapor probe (SSVP) SSVP-2. On August 4, 2011, CRA project manager Robert Foss and ACEH case manager Barbara Jakub spoke about the proposed scope of work. Ms. Jakub stated that she would review the workplan and addendum during the following week and issue a letter shortly thereafter. As of October 14, 2011, ACEH had not produced a response to the proposed scope of work. On behalf of Mr. Nady, on October 14, CRA composed and uploaded a letter to the ACEH file transfer protocol (FTP) website stating that the proposed scope of work would be implemented on or after November 1, 2011, unless otherwise instructed in writing by ACEH. It is hoped that ACEH will be able to provide written approval prior to November 1, 2011.

2.3.2 GROUNDWATER MONITORING

A semi-annual groundwater monitoring and sampling event will occur during the First Quarter of 2012 and a report will be prepared detailing the activities and reported results. The report will to be reviewed, finalized and submitted through the ACEH FTP website and notification will be sent to Ms. Jakub via e-mail. Groundwater analytical and elevation data, as well as the completed final report will be uploaded to GeoTracker.

Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Calvin Hee

Robert Foss

Robert Foss, P.G.

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

John Nady, trustee

FIGURES

12/19/02

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

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

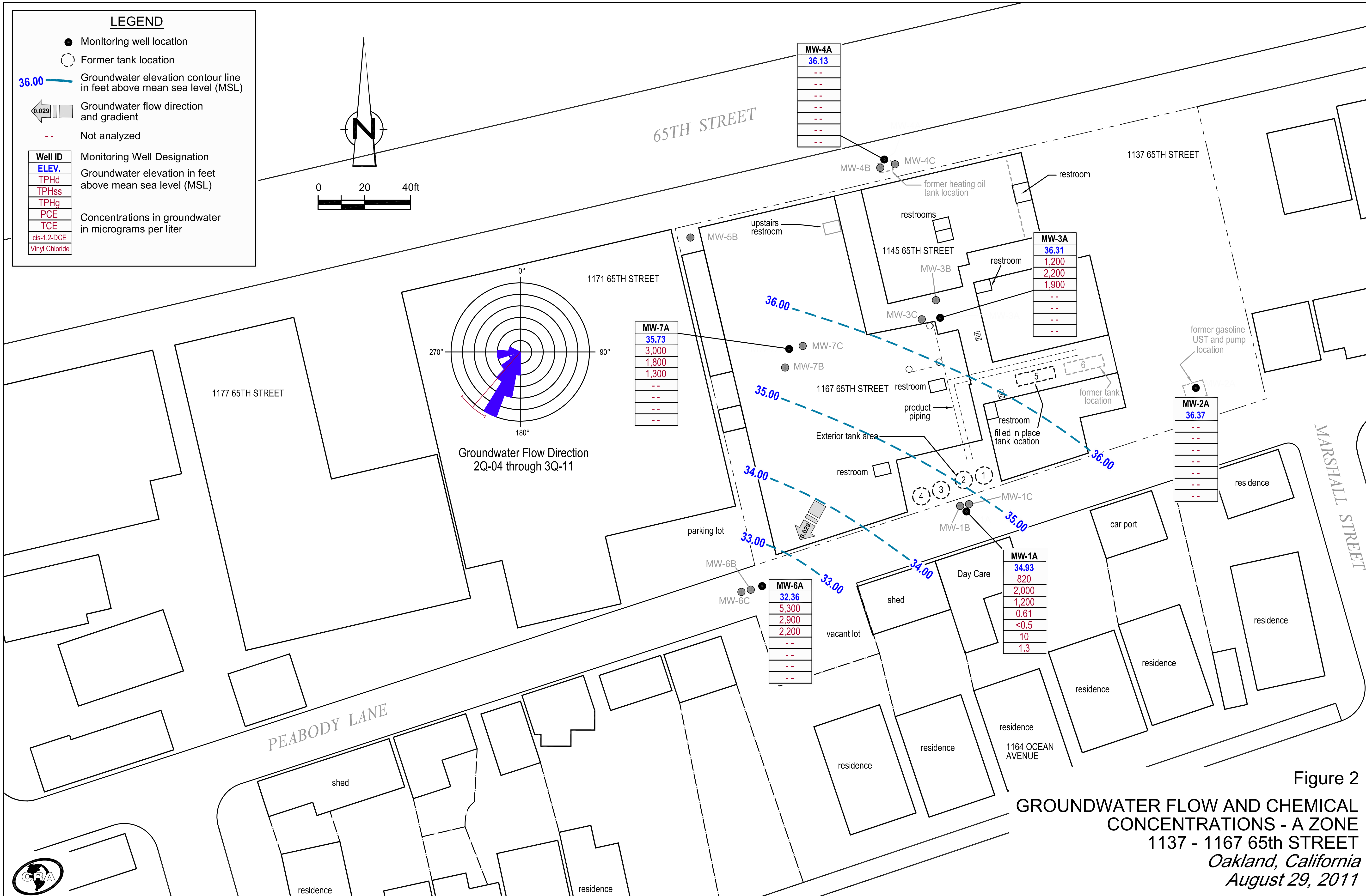
FIGURE 1

Vicinity Map

1137 - 1167 65th Street

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES



LEGEND
Monitoring well location
Former tank location
36.00
Groundwater elevation contour line in feet above mean sea level (MSL)
0.029
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
TCE
cis-1,2-DCE
Vinyl Chloride
Concentrations in groundwater in micrograms per liter
N
0
20
40ft
65TH STREET
PEABODY LANE
MARSHALL STREET
1177 65TH STREET
1171 65TH STREET
1167 65TH STREET
1145 65TH STREET
1137 65TH STREET
1164 OCEAN AVENUE
0°
90°
180°
270°
Groundwater Flow Direction
2Q-04 through 3Q-11
MW-4A
36.13
MW-4B
MW-4C
MW-5B
MW-3A
36.31
1,200
2,200
1,900
MW-3B
MW-3C
MW-7A
35.73
3,000
1,800
1,300
MW-7B
MW-7C
MW-2A
36.37
MW-1A
34.93
820
2,000
1,200
0.61
<0.5
10
1.3
MW-1B
MW-1C
MW-6A
32.36
5,300
2,900
2,200
MW-6B
MW-6C
36.00
35.00
34.00
33.00
former heating oil tank location
restroom
restrooms
upstairs restroom
former gasoline UST and pump location
former tank location
filled in place tank location
product piping
Exterior tank area
parking lot
vacant lot
shed
Day Care
car port
residence

Figure 2

GROUNDWATER FLOW AND CHEMICAL CONCENTRATIONS - A ZONE
1137 - 1167 65th STREET
Oakland, California
August 29, 2011

521000-2011(017)GN-EM002 OCT 20/2011

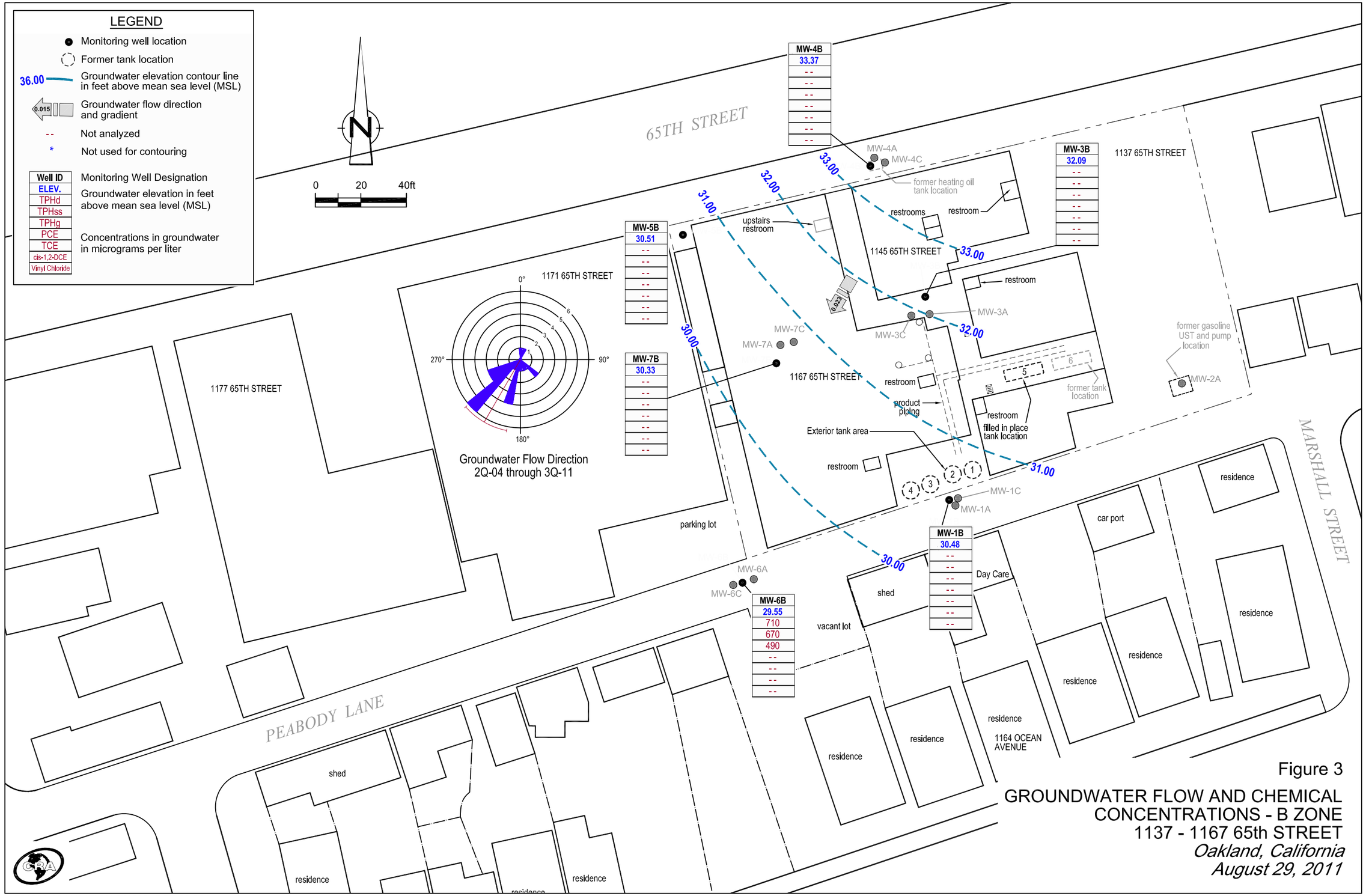


Figure 3

GROUNDWATER FLOW AND CHEMICAL CONCENTRATIONS - B ZONE
1137 - 1167 65th STREET
Oakland, California
August 29, 2011

521000-2011(017)GN-EM003 OCT 20/2011

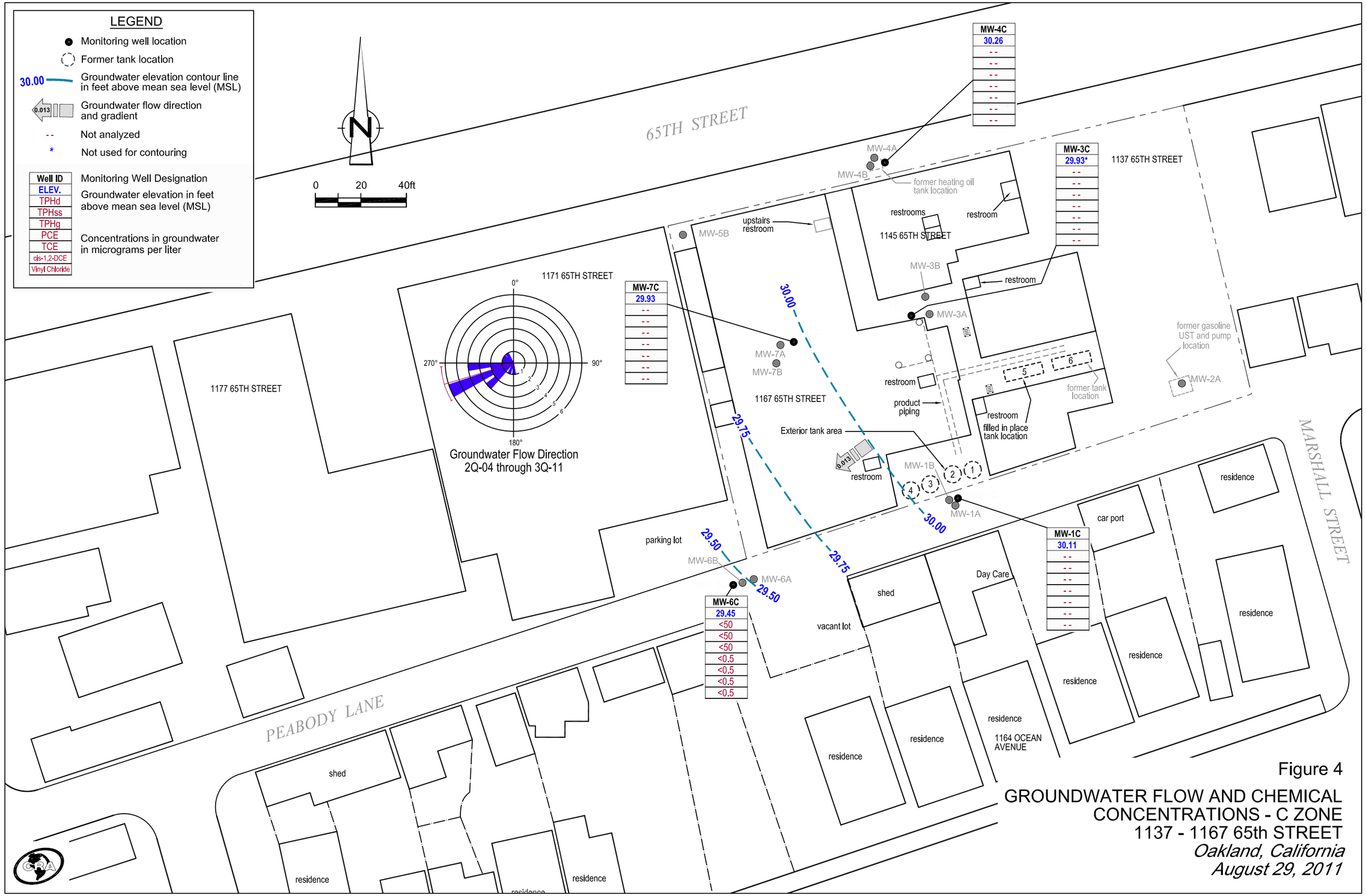


Figure 4

GROUNDWATER FLOW AND CHEMICAL CONCENTRATIONS - C ZONE
1137 - 1167 65th STREET
Oakland, California
August 29, 2011

521000-2011(017)GN-EM004 OCT 21/2011

TABLES

TABLE 1

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

Well ID	*Date Installed*	*Borehole Depth* (ft)	*Borehole Diameter* (inches)	*Casing Diameter* (in)	*Screen Interval* (ft bgs)	*Screen Size* (in)	*Filter Pack* (ft bgs)	*Bentonite Seal* (ft bgs)	*Cement Seal* (ft bgs)	*TOC Elevation* (ft msl)	*First Water* (ft bgs)
A-zone Monitoring Wells											
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
B-zone Monitoring Wells											
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
C-zone Monitoring Wells											
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*
RWQCB-SFBR Environmental Screening Levels for Groundwater														
Groundwater is a current of potential drinking water resource (Table F-1a)					100	100	100	100	1.0	40	30	20	5.0	
Groundwater is not a current of potential drinking water resource (Table F-1b)					210	210	210	210	46	130	43	100	1,800	
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
	3/28-29/2011		38.46	1.18	1,000	400	ND<250	970	--	--	--	--	--	a,b,c,d
	8/29/2011		**34.93**	**4.71**	**2,000**	**820**	**ND<250**	**1,200**	--	--	--	--	--	**a,b, d,e**
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
	3/13/2006		40.33	0.39	--	--	--	--	--	--	--	--	--	
	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

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	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
cont.	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	--	--	--	--	--	
	3/28-29/2011		40.40	0.32	ND<50	ND<50	ND<250	ND<50	--	--	--	--	--	
	8/29/2011		**36.37**	**4.35**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
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
	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
	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
	3/28-29/2011		37.50	3.38	1,900	740	ND<250	2,100	--	--	--	--	--	a,c,d
	8/29/2011		**36.31**	**4.57**	**2,200**	**1,200**	**ND<250**	**1,900**	--	--	--	--	--	**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*
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
	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
	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
	3/28-29/2011		36.63	2.08	ND<50	ND<50	ND<250	ND<50	--	--	--	--	--	
	8/29/2011		**36.16**	**2.55**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
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<50	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<50	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<50	a,c,d

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-6A	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
cont.	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<50	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
	3/28/2011		36.36	1.62	2,300	1,000	ND<250	1,600	--	--	--	--	--	a,c,d
	8/29/2011		**32.36**	**5.62**	**2,900**	**5,300**	**ND<250**	**2,200**	--	--	--	--	--	**a,c,e,o**
MW-7A	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	
40.58	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<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<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<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	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	--	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<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	--	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	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<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<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<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<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	--	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
	3/28/2011		38.34	2.24	1,800	950	ND<250	1,300	--	--	--	--	--	a,c,d
	8/29/2011		**35.73**	**4.85**	**1,800**	**3,000**	**ND<250**	**1,300**	--	--	--	--	--	**a,c,e,o**
MW-1B	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	
39.50	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<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<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<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<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<5.0	i
	3/13/2006		32.15	7.35	--	--	--	--	--	--	--	--	--	
	6/19/2006		22.99	16.51	--	--	--	--	--	--	--	--	--	
	9/20/2006		30.32	9.18	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.60	7.90	--	--	--	--	--	--	--	--	--	

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-1B	3/29/2007		24.63	14.87	--	--	--	--	--	--	--	--	--	
cont.	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	--	--	--	--	--	
	3/28-29/2011		29.57	9.93	ND<50	ND<50	ND<250	ND<50	--	--	--	--	--	
	8/29/2011		**30.48**	**9.02**	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	
	3/28-29/2011		35.38	5.24	ND<50	ND<50	ND<250	ND<50	--	--	--	--	--	
	8/29/2011		**32.09**	**8.53**	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	
	6/11/2007		34.03	4.51	--	--	--	--	--	--	--	--	--	
	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	--	--	--	--	--	--	--	--	--	

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-4B	9/30/2010		32.69	5.85	--	--	--	--	--	--	--	--	--	
cont.	3/28/2011		34.71	3.83	--	--	--	--	--	--	--	--	--	
	8/29/2011		**33.57**	**4.97**	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	
	9/21-22/2009		29.97	9.01	--	--	--	--	--	--	--	--	--	
	3/8/2010		33.23	5.75	--	--	--	--	--	--	--	--	--	
	9/30/2010		30.67	8.31	--	--	--	--	--	--	--	--	--	
	3/28/2011		34.22	4.76	--	--	--	--	--	--	--	--	--	
	8/29/2011		**30.51**	**8.47**	--	--	--	--	--	--	--	--	--	
MW-6B	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	
37.66	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

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-6B	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
cont.	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
	3/28/2011		33.68	3.98	850	370	ND<250	610	--	--	--	--	--	a,c,d
	8/29/2011		**29.55**	**8.11**	**670**	**710**	**ND<250**	**490**	--	--	--	--	--	**a,c,e,o**
MW-7B	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
40.05	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
	3/28/2011		34.07	5.98	ND<50	ND<50	ND<250	ND<50	--	--	--	--	--	
	8/29/2011		**30.33**	**9.72**	--	--	--	--	--	--	--	--	--	
MW-1C	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	
39.49	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
	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	
	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	--	--	--	--	--	--	--	--	--	
	3/28/2011		34.43	5.06	--	--	--	--	--	--	--	--	--	
	8/29/2011		**30.11**	**9.38**	--	--	--	--	--	--	--	--	--	
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
	3/28-29/2011		35.76	5.24	ND<50	ND<50	ND<250	ND<50	--	--	--	--	--	
	8/29/2011		**29.93**	**11.07**	--	--	--	--	--	--	--	--	--	

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	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	--	--	--	--	--	--	--	--	--	
	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		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	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
	3/28/2011		33.49	5.01	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
	8/29/2011		**30.26**	**8.24**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
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	--	--	--	--	--	--	--	--	--	
	6/9/2008		29.32	8.27	--	--	--	--	--	--	--	--	--	

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-6C	9/5/2008		28.60	8.99	--	--	--	--	--	--	--	--	--	
cont.	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	--	--	--	--	--	--	--	--	--	
	3/28/2011		33.62	3.97	--	--	--	--	--	--	--	--	--	
	8/29/2011		**29.45**	**8.14**	**ND<50**	**ND<50**	**ND<250**	**ND<50**	--	--	--	--	--	
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
	3/28/2011		33.57	6.87	ND<50	ND<50	ND<250	ND<50	--	--	--	--	--	
	8/29/2011		**29.93**	**10.51**	--	--	--	--	--	--	--	--	--	

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
o = kerosene, kerosene range, jet fuel range

TABLE 3

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

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft amsl)*	*Depth to Water (ft, BTOC)*	*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-Dichloroethane (µg/L)*	*Vinyl Chloride (µg/L)*	*Notes*
RWQCB-SFBR Environmental Screening Levels for Groundwater																	
Groundwater is a current or potential drinking water resource (Table F-1a)					25	12	70	1.0	5.0	5.0	10	6.0	10	5.0	0.5	0.5	
1b)					25	12	330	190	120	360	14	590	590	47	200	3.8	
MW-1A	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	
39.64	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	h
	3/8/2010		38.09	1.55	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
	9/30/2010		33.84	5.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.5	2.6	ND<0.5	13	ND<0.5	1.1	ND<0.5	1.5	
	3/28-29/2011		38.46	1.18	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.7	3.4	ND<0.5	7.7	0.61	1.0	ND<0.5	ND<0.5	
	8/29/2011		34.93	**4.71**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**0.61**	**ND<0.5**	**1.1**	**10**	**ND<0.5**	**0.91**	**ND<0.5**	**1.3**	
MW-2A	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	
40.72	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	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 3

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

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft, BTOC)	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-Dichloroethane (µg/L)	Vinyl Chloride (µg/L)	Notes
MW-2A	3/30/2009		38.76	1.96	--	--	--	--	--	--	--	--	--	--	--	--	
cont.	9/21-22/2009		35.99	4.73	--	--	--	--	--	--	--	--	--	--	--	--	
	3/8/2010		39.76	0.96	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30-10/1/2010		34.94	5.78	--	--	--	--	--	--	--	--	--	--	--	--	
	3/28-29/2011		40.40	0.32	--	--	--	--	--	--	--	--	--	--	--	--	
	8/29/2011		36.37	**4.35**	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3A	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
40.88	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	
	3/28-29/2011		37.50	3.38	86	ND<1.2	ND<1.2	ND<1.2	ND<1.2	ND<1.2	13	ND<1.2	ND<1.2	ND<1.2	ND<1.2	ND<1.2	
	8/29/2011		36.31	**4.57**	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4A	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	
38.71	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	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 3

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

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft amsl)*	*Depth to Water (ft, BTOC)*	*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-Dichloroethane (µg/L)*	*Vinyl Chloride (µg/L)*	*Notes*
MW-4A	12/20/2006		36.39	2.32	--	--	--	--	--	--	--	--	--	--	--	--	
cont.	3/29/2007		36.46	2.25	--	--	--	--	--	--	--	--	--	--	--	--	
	6/11/2007		36.14	2.57	--	--	--	--	--	--	--	--	--	--	--	--	
	9/7/2007		35.34	3.37	--	--	--	--	--	--	--	--	--	--	--	--	
	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	--	--	--	--	--	--	--	--	--	--	--	--	
	3/28-29/2011		36.63	2.08	--	--	--	--	--	--	--	--	--	--	--	--	
	8/29/2011		36.16	**2.55**	--	--	--	--	--	--	--	--	--	--	--	--	
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	
	3/28-29/2011		36.36	1.62	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	
	8/29/2011		32.36	**5.62**	--	--	--	--	--	--	--	--	--	--	--	--	
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

TABLE 3

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

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft, BTOC)	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-Dichloroethane (µg/L)	Vinyl Chloride (µg/L)	Notes
MW-7A	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	
cont.	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	
	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
	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	
	3/28-29/2011		38.34	2.24	--	--	--	--	--	--	--	--	--	--	--	--	
	8/29/2011		35.73	**4.85**	--	--	--	--	--	--	--	--	--	--	--	--	
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	
	3/28-29/2011		29.57	9.93	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.8	ND<0.5	16	6.1	ND<0.5	
	8/29/2011		30.48	**9.02**	**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**	**18**	**9.3**	**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	
	3/28-29/2011		35.38	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	ND<0.5	ND<0.5	
	8/29/2011		32.09	**8.53**	--	--	--	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 3

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

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft amsl)*	*Depth to Water (ft, BTOC)*	*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-Dichloroethane (µg/L)*	*Vinyl Chloride (µg/L)*	*Notes*
MW-4B	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
cont.	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	--	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006		33.92	4.62	--	--	--	--	--	--	--	--	--	--	--	--	
	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	--	--	--	--	--	--	--	--	--	--	--	--	
	3/28-29/2011		34.71	3.83	--	--	--	--	--	--	--	--	--	--	--	--	
	8/29/2011		33.57	**4.97**	--	--	--	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	--	--	--	
	3/28-29/2011		34.22	4.76	--	--	--	--	--	--	--	--	--	--	--	--	
	8/29/2011		30.51	**8.47**	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 3

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

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft amsl)*	*Depth to Water (ft, BTOC)*	*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-Dichloroethane (µg/L)*	*Vinyl Chloride (µg/L)*	*Notes*
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	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	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	1.2	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	1.3	ND<0.5	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	0.52	ND<0.5	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
	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
	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	
	3/28-29/2011		33.68	3.98	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	
	8/29/2011		29.55	**8.11**	--	--	--	--	--	--	--	--	--	--	--	--	
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
	3/28-29/2011		34.07	5.98	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	
	8/29/2011		30.33	**9.72**	--	--	--	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 3

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

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft amsl)*	*Depth to Water (ft, BTOC)*	*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-Dichloroethane (µg/L)*	*Vinyl Chloride (µg/L)*	*Notes*
	3/8/2010		33.74	5.75	--	--	--	--	--	--	--	--	--	--	--	--	
	9/30/2010		29.75	9.74	--	--	--	--	--	--	--	--	--	--	--	--	
	3/28-29/2011		34.43	5.06	--	--	--	--	--	--	--	--	--	--	--	--	
	8/29/2011		30.11	**9.38**	--	--	--	--	--	--	--	--	--	--	--	--	
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
	3/28-29/2011		35.76	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	ND<0.5	ND<0.5	
	8/29/2011		29.93	**11.07**	--	--	--	--	--	--	--	--	--	--	--	--	
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
	6/15/2005		30.85	7.65	--	--	--	--	--	--	--	--	--	--	--	--	
	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	--	--	--	--	--	--	--	--	--	--	--	--	
	3/28-29/2011		33.49	5.01	--	--	--	--	--	--	--	--	--	--	--	--	
	8/29/2011		30.26	**8.24**	--	--	--	--	--	--	--	--	--	--	--	--	
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	

TABLE 3

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

Well ID (TOC)	*Date Sampled*	*Groundwater Zone*	*Groundwater Elevation (ft amsl)*	*Depth to Water (ft, BTOC)*	*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-Dichloroethane (µg/L)*	*Vinyl Chloride (µg/L)*	*Notes*
MW-6C	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	
cont.	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	
	3/28-29/2011		33.62	3.97	--	--	--	--	--	--	--	--	--	--	--	--	
	8/29/2011		29.45	**8.14**	**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-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	
	3/28-29/2011		33.57	6.87	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	
	8/29/2011		29.93	**10.51**	--	--	--	--	--	--	--	--	--	--	--	--	

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
BTOC = Below top of casing
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

STANDARD FIELD PROCEDURES FOR GROUNDWATER MONITORING AND LOW FLOW SAMPLING

CONESTOGA-ROVERS & ASSOCIATES' STANDARD FIELD PROCEDURES FOR GROUNDWATER MONITORING AND 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 Associates' 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 Liquinox™ 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 percent 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.

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 B

FIELD DATA SHEETS

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Conestoga-Rovers and Associates

pg 1 of 2

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

Date: 8/29/2011 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1A	7:00		4.71		14.40	
MW-1B	6:55		9.02		19.70	
MW-1C	6:50		9.38		34.55	
MW2A	5:45		4.35		11.15	
MW-3A	6:35		4.57		13.85	
MW-3B	6:30		8.53		23.70	
MW-3C	6:25		11.07		35.55	
MW-4A	6:00		2.55		12.65	
MW-4B	5:55		4.97		20.75	
MW-4C	5:50		8.24		32.02	
MW-5B	5:40		8.47		23.05	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Conestoga-Rovers and Associates

pg 2 of 2

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

Date: 8/29/2011 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-6A	6:20		5.62		14.10	
MW-6B	6:15		8.11		22.00	
MW-6C	6:10		8.14		33.75	
MW-7A	7:25		4.85		10.00	
MW-7B	7:20		9.72		22.45	
MW-7C	7:15		10.51		29.69	

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	8/29/2011
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:	4.70
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
13:45	100	--	--	--	--	--	4.70		
13:48	100	17.2	6.98	312	31	1.19	4.71	24	
13:51	100	17.4	7.02	305	34	1.01	4.74	19	
13:54	100	17.4	7.04	297	36	0.98	4.76	12	
13:57	100	17.5	7.05	297	36	0.97	4.78	15	
14:00	100	17.5	7.06	297	36	0.95	4.79	11	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-1A	8/29/11	14:01	40 mL VOA, 1 L Amber Glass	HCl	see coc	see coc

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	8/29/2011
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:	Peristaltic Pump
Total Well Depth from top of casing:	19.70
Water level at the start of purge from top of casing:	9.00
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
13:05	100	--	--	--	--	--	9.00	-	
13:08	100	15.8	6.55	929	42	0.95	9.03	19	
13:11	100	16.1	6.62	940	49	0.99	9.06	21	
13:14	100	16.1	6.64	949	50	0.99	9.08	24	
13:17	100	16.1	6.65	952	51	1.02	9.08	25	
13:20	100	16.1	6.66	954	51	1.02	9.09	26	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-1B	8/29/11	13:21	40 mL VOA, 1 L Amber Glass	HCl	see coc	see coc

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	8/29/2011
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:	Peristaltic Pump
Total Well Depth from top of casing:	13.85
Water level at the start of purge from top of casing:	4.56
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
14:40	100	--	--	--	--	--	4.56	—	
14:43	100	16.9	6.90	1249	-71	1.19	4.58	25	
14:46	100	16.5	6.92	1197	-50	0.98	4.62	19	
14:49	100	16.4	6.93	1195	-48	0.98	4.64	20	
14:52	100	16.4	6.94	1195	-47	0.98	4.64	24	
14:55	100	16.3	6.94	1195	-46	0.98	4.65	21	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-3A	8/29/11	14:56	40 mL VOA, 1 L Amber Glass	HCl	see coc	see coc

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	8/29/2011
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:	5.61
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
12:10	100	--	--	--	--	--	5.61	-	
12:13	100	17.1	6.68	519	5	0.81	5.64	12	
12:16	100	17.4	6.70	526	7	0.83	5.64	8	
12:19	100	17.5	6.73	526	10	0.84	5.66	16	
12:22	100	17.5	6.74	526	12	0.87	5.67	13	
12:25	100	17.5	6.74	527	13	0.87	5.67	10	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6A	8/29/11	12:26	40 mL VOA, 1 L Amber Glass	HCl	see coc	see coc

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	8/29/2011
Client:	Conestoga-Rovers and Associates
Site Address:	1137-1167 65th Street, Oakland, CA

Well ID:	MW-6B
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:	8.10
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
11:20	100	--	--	--	--	--	8.10	—	
11:23	100	16.3	6.49	1133	17	0.92	8.13	6	
11:26	100	16.7	6.51	1137	19	0.88	8.13	10	
11:29	100	16.7	6.53	1139	22	0.87	8.13	10	
11:32	100	17.0	6.54	1140	24	0.87	8.14	13	
11:35	100	17.0	6.64	1141	26	0.87	8.14	10	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6B	8/29/11	11:36	40 mL VOA, 1 L Amber Glass	HCl	see coc	see coc

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	8/29/2011
Client:	Conestoga-Rovers and Associates
Site Address:	1137-1167 65th Street, Oakland, CA

Well ID:	MW-6C
Well Diameter:	2"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	33.75
Water level at the start of purge from top of casing:	8.14
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
10:31	100	--	--	--	--	--	8.14	—	
10:34	100	18.2	6.76	1051	24	0.94	8.17	12	
10:37	100	18.0	6.77	1040	29	0.91	8.17	9	
10:40	100	18.0	6.77	1037	31	0.89	8.17	9	
10:43	100	17.9	6.77	1036	31	0.87	8.17	14	
10:46	100	17.9	6.77	1035	33	0.87	8.18	7	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6C	8/29/11	10:47	40 mL VOA, 1 L Amber Glass	HCl	see coc	see coc

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	8/29/2011
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:	Peristaltic Pump
Total Well Depth from top of casing:	10.00
Water level at the start of purge from top of casing:	4.81
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
9:23	100	--	--	--	--	--	4.81	—	
9:26	100	16.2	6.80	1063	-21	0.96	4.84	21	
9:29	100	15.8	6.79	1050	-20	0.91	4.86	57	
9:32	100	15.8	6.79	1050	-20	0.84	4.87	40	
9:35	100	15.7	6.79	1047	-19	0.83	4.91	42	
9:38	100	15.7	6.79	1047	-19	0.82	4.92	44	
									total purge volume ≈500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-7A	8/29/11	9:39	40 mL VOA, 1 L Amber Glass	HCl	see coc	see coc

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	8/29/2011
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:	Peristaltic Pump
Total Well Depth from top of casing:	22.45
Water level at the start of purge from top of casing:	9.69
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
8:27	100	--	--	--	--	--	9.69	—	
8:30	100	16.9	7.16	1019	-1	0.71	9.72	37	
8:33	100	16.5	7.14	1021	-3	0.78	9.74	41	
8:36	100	16.2	7.13	1023	-3	0.78	9.74	53	
8:39	100	16.1	7.11	1023	-4	0.78	9.75	32	
8:42	100	16.1	7.10	1023	-4	0.78	9.77	36	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-7B	8/29/11	8:43	40 mL VOA, 1 L Amber Glass	HCl	see coc	see coc

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	8/29/2011
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:	29.69
Water level at the start of purge from top of casing:	10.47
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
7:30	100	--	--	--	--	--	10.47	-	
7:33	100	15.8	7.05	1346	19	1.04	10.49	24	
7:36	100	16.0	7.07	1349	19	0.86	10.53	51	
7:39	100	16.2	7.07	1351	23	0.85	10.56	50	
7:42	100	16.3	7.08	1352	24	0.85	10.57	46	
7:45	100	16.4	7.08	1353	24	0.85	10.58	44	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-7C	8/29/11	7:46	40 mL VOA, 1 L Amber Glass	HCl	see coc	see coc

Signature:

APPENDIX C

CERTIFIED ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Conestoga-Rovers & Associates	Client Project ID: #521000; John Nady	Date Sampled: 08/29/11
		Date Received: 08/29/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Reported: 09/08/11
Emeryville, CA 94608	Client P.O.:	Date Completed: 09/08/11

WorkOrder: 1108904

September 09, 2011

Dear Bob:

Enclosed within are:

1) The results of the **7** 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 McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

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

1108904

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
Company: Conestoga-Rovers & Associates	
5900 Hollis St, Ste A	
Emeryville, CA	E-Mail: bfoss@craworld.com cheec@craworld.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 Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCL	HNO_3	Other
MW-1A		8/29/11	14:01	3 2	VOA Amb	X					X	X		
MW-1B			13:21	3	VOA									
MW-3A			14:56	3 2	VOA Amb									
MW-6A			12:26											
MW-6B			11:36											
MW-6C			10:47											
MW-7A			09:39											
MW-7B		8-29-11	8:43	3 2	VOA Amb	X					X	X		
MW-7C		8-29-11	07:46	3 2	VOA Amb	X					X	X		

Analysis Request

BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015) / MO with silica gel cleanup	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 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl 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)	Other: Filter sample for DISSOLVED metals analysis	Other: TPHg/SS 8015/8021	Comments
	X			X													X	
				X														
	X																X	
	X																X	
	X																X	
	X			X													X	
	X																X	
																		Hold
																		Hold

**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.

OFF HOLD 8/31/11

Relinquished By:	Date:	Time:	Received By:
	8/29/11	4:45	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 4.2
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

PRESERVATION: VOAS ✓ O&G METALS OTHER pH<2

COMMENTS: MW-7B & MW-7C put on Hold

confirm all analysis with Calvin Hee 510-420-3358

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1108904 **ClientCode: CETE**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Bob Foss
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-3327 FAX: (510) 420-9170

Email: bfoss@craworld.com
cc:
PO:
ProjectNo: #521000; John Nady

Bill to:
Accounts Payable
Conestoga-Rovers & Associates
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: **08/29/2011**
Date Printed: **08/31/2011**

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
1108904-001	MW-1A	Water	8/29/2011 14:01	☐	B	A	A									
1108904-002	MW-1B	Water	8/29/2011 13:21	☐	A											
1108904-003	MW-3A	Water	8/29/2011 14:56	☐		A										
1108904-004	MW-6A	Water	8/29/2011 12:26	☐		A										
1108904-005	MW-6B	Water	8/29/2011 11:36	☐		A										
1108904-006	MW-6C	Water	8/29/2011 10:47	☐	B	A										
1108904-007	MW-7A	Water	8/29/2011 9:39	☐		A										

Test Legend:

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

The following SampIDs: 001A, 003A, 004A, 005A, 006A, 007A contain testgroup.

Prepared by: Maria Venegas

Comments: Off Hold 8/31/11

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.

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"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

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

Date and Time Received: **8/29/2011 4:45:00 PM**

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

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **1108904** 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: 4.2°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:

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Conestoga-Rovers & Associates	Client Project ID: #521000; John Nady	Date Sampled: 08/29/11
		Date Received: 08/29/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted: 09/01/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 09/01/11

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 1108904

Lab ID	1108904-001B	1108904-002A	1108904-006B		Reporting Limit for DF =1	
Client ID	MW-1A	MW-1B	MW-6C			
Matrix	W	W	W		S	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	ND	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	1.1	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	0.91	18	ND		NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	9.3	ND		NA	0.5
1,1-Dichloroethene	ND	ND	ND		NA	0.5
cis-1,2-Dichloroethene	10	11	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
1,1,2,2-Tetrachloroethane	ND	ND	ND		NA	0.5
Tetrachloroethene	0.61	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	1.3	ND	ND		NA	0.5
Surrogate Recoveries (%)						
%SS1:	102	101	101			
%SS2:	97	100	100			
%SS3:	94	102	102			
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.

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Conestoga-Rovers & Associates	Client Project ID: #521000; John Nady	Date Sampled: 08/29/11
		Date Received: 08/29/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted: 09/02/11-09/07/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 09/02/11-09/07/11

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

Extraction method: SW5030B Analytical methods: SW8015Bm Work Order: 1108904

Lab ID	Client ID	Matrix	TPH(g)	TPH(ss)	DF	% SS	Comments
1108904-001A	MW-1A	W	1200	2000	1	121	d5,d9
1108904-003A	MW-3A	W	1900	2200	1	97	d5
1108904-004A	MW-6A	W	2200	2900	1	106	d5
1108904-005A	MW-6B	W	490	670	1	95	d5
1108904-006A	MW-6C	W	ND	ND	1	99	
1108904-007A	MW-7A	W	1300	1800	1	96	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 McCampbell Analytical is not responsible for their interpretation:
d5) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?)
d9) no recognizable pattern

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Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: #521000; John Nady	Date Sampled: 08/29/11
		Date Received: 08/29/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted: 08/31/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 09/02/11-09/08/11

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C Analytical methods: SW8015B Work Order: 1108904

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
1108904-001A	MW-1A	W	820	ND	1	95	e4,e2
1108904-003A	MW-3A	W	1200	ND	1	106	e11
1108904-004A	MW-6A	W	5300	ND	1	94	e4,e8/e11
1108904-005A	MW-6B	W	710	ND	1	95	e4,e8/e11
1108904-006A	MW-6C	W	ND	ND	1	93	
1108904-007A	MW-7A	W	3000	ND	1	95	e4,e8/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 McCampbell Analytical is not responsible for their interpretation:
e2) diesel range compounds are significant; no recognizable pattern
e4) gasoline range compounds are significant.
e8) kerosene/kerosene range/jet fuel range; and/or e11) stoddard solvent/mineral spirit (?)

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water | QC Matrix: Water | BatchID: 60794 | WorkOrder: 1108904

EPA Method: SW8260B | **Extraction: SW5030B** | **Spiked Sample ID: 1108900-001A**

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	99.8	96.1	3.81	97	106	9.16	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	95.5	96.6	1.18	92.8	103	10.6	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	98.7	99.6	0.819	96.8	97.7	0.979	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	91.2	90.6	0.705	90.7	88.9	2.02	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	91.5	90.9	0.735	90.7	91.3	0.720	70 - 130	30	70 - 130	30
%SS1:	97	25	96	99	2.39	98	99	0.225	70 - 130	30	70 - 130	30
%SS2:	92	25	92	92	0	91	91	0	70 - 130	30	70 - 130	30
%SS3:	97	2.5	93	93	0	92	92	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 60794 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1108904-001B	08/29/11 2:01 PM	09/01/11	09/01/11 2:43 AM	1108904-002A	08/29/11 1:21 PM	09/01/11	09/01/11 3:24 AM
1108904-006B	08/29/11 10:47 AM	09/01/11	09/01/11 4:06 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.

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water | QC Matrix: Water | BatchID: 60787 | WorkOrder: 1108904

EPA Method: SW8015Bm | **Extraction: SW5030B** | **Spiked Sample ID: 1108911-001A**

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)£	ND	60	92.9	93.1	0.250	96.6	92.1	4.76	70 - 130	20	70 - 130	20
MTBE	ND	10	109	113	3.97	116	111	4.22	70 - 130	20	70 - 130	20
Benzene	ND	10	103	105	1.82	103	101	2.12	70 - 130	20	70 - 130	20
Toluene	ND	10	91.7	93.6	2.03	93.9	91.3	2.84	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	93	94.9	2.00	95.3	93.2	2.21	70 - 130	20	70 - 130	20
Xylenes	ND	30	107	109	1.65	110	107	2.85	70 - 130	20	70 - 130	20
%SS:	101	10	98	98	0	95	98	2.30	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 60787 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1108904-001A	08/29/11 2:01 PM	09/07/11	09/07/11 12:56 AM	1108904-003A	08/29/11 2:56 PM	09/02/11	09/02/11 12:27 AM
1108904-003A	08/29/11 2:56 PM	09/03/11	09/03/11 12:27 AM	1108904-004A	08/29/11 12:26 PM	09/02/11	09/02/11 12:57 AM
1108904-004A	08/29/11 12:26 PM	09/02/11	09/02/11 9:26 PM	1108904-005A	08/29/11 11:36 AM	09/02/11	09/02/11 1:28 AM
1108904-006A	08/29/11 10:47 AM	09/02/11	09/02/11 1:58 AM	1108904-007A	08/29/11 9:39 AM	09/02/11	09/02/11 2:28 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.

£ 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.

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water | QC Matrix: Water | BatchID: 60729 | WorkOrder: 1108904

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	119	120	0.697	N/A	N/A	70 - 130	30
%SS:	N/A	625	N/A	N/A	N/A	90	90	0	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 60729 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1108904-001A	08/29/11 2:01 PM	08/31/11	09/02/11 7:29 PM	1108904-003A	08/29/11 2:56 PM	08/31/11	09/08/11 1:45 PM
1108904-004A	08/29/11 12:26 PM	08/31/11	09/02/11 8:43 PM	1108904-005A	08/29/11 11:36 AM	08/31/11	09/03/11 12:22 AM
1108904-006A	08/29/11 10:47 AM	08/31/11	09/03/11 1:33 AM	1108904-007A	08/29/11 9:39 AM	08/31/11	09/02/11 9:57 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.

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