



**CONESTOGA-ROVERS
& ASSOCIATES**

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Alameda County
Environmental Health

5900 Hollis Street, Suite A, Emeryville, California 94608
Telephone: 510-420-0700 Facsimile: 510-420-9170
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June 11, 2007

Ms. Donna Drogos
Alameda County Department of Environmental Health
UST Local Oversight Program
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re: **Groundwater Monitoring Report-- Second Quarter 2007**
Hooshi's Auto Service
1499 MacArthur Boulevard, Oakland, California 94602
Fuel Leak Case #RO0000516
CRA Project #120741

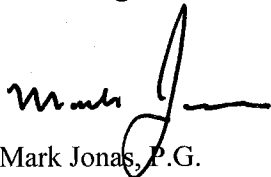
Dear Ms. Drogos:

On behalf of Ms. Naomi Gatzke, Conestoga-Rovers & Associates, Inc. (CRA) is submitting this *Second Quarter 2007 Monitoring Report* for the subject site. This report describes Second Quarter 2007 activities and results as well as anticipated Third Quarter 2007 activities.

In our March 1, 2007 *Supplemental Site Characterization Report* we recommend evaluating and selecting a remedial alternative in a *Remedial Action Plan*, due to elevated concentrations of petroleum products. Please approve this recommendation as soon as possible.

If you have any questions or comments regarding this report or the project, please contact Mark Jonas at (510) 420-3307.

Sincerely,
Conestoga-Rovers & Associates, Inc.



Mark Jonas, P.G.
Senior Project Manager

Attachments: *Second Quarter 2007 Monitoring Report*

cc: Ms. Naomi Gatzke, 1545 Scenicview Drive, San Leandro, CA 94577

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SECOND QUARTER 2007 MONITORING REPORT

**Hooshi's Auto Service
1499 MacArthur Boulevard
Oakland, California 94602
Fuel Leak Case No. RO000516
CRA Project No. 120741**

June 11, 2007


Prepared for:

Ms. Naomi Gatzke
1545 Scenicview Drive
San Leandro, California 94577

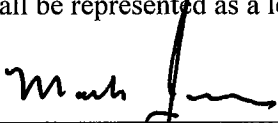
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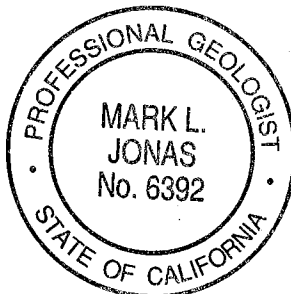
Conestoga-Rovers & Associates Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Written by:


Christina McClelland
Staff Geologist

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Mark Jonas, P.G.
Senior Project Manager





SECOND QUARTER 2007 MONITORING REPORT

**Hooshi's Auto Service
1499 MacArthur Boulevard
Oakland, California 94602
Fuel Leak Case No. RO0000516
CRA Project No. 120741**

June 11, 2007

INTRODUCTION

On behalf of Ms. Naomi Gatzke, Conestoga-Rovers & Associates, Inc. (CRA) is submitting this *Second Quarter 2007 Monitoring Report* for the subject site. Presented are the Second Quarter 2007 groundwater monitoring activities and results and the anticipated Third Quarter 2007 activities.

Figure 1 is a vicinity map. Figure 2 is recent monitoring groundwater contours and hydrocarbon concentrations. Table 1 is well construction details. Table 2 provides recent and historic groundwater level measurements, elevations, hydrochemical, and separate phase hydrocarbon (SPH) data. Appendix A contains field data sheets for this monitoring event. Appendix B presents the recent laboratory analytical report. Appendix C includes time-series plots with benzene and total petroleum hydrocarbons as gasoline (TPHg) concentrations and groundwater elevations.

SECOND QUARTER 2007 ACTIVITIES

Monitoring Activities

Field Activities: On April 20, 2007, Muskan Environmental Sampling (MES) conducted quarterly monitoring and sampling activities. MES measured well water levels in monitoring wells MW-1 through MW-6 (Figure 2). MES also collected groundwater samples from monitoring wells MW-1, MW-2, and MW-5. Groundwater depth measurements have been submitted to the GeoTracker database.

Prior to groundwater sampling, groundwater levels were measured in all monitoring wells. Each monitoring well was then purged before sampling. MES purged at least three well-casing volumes of groundwater from each monitoring well. Field measurements of pH, conductivity, and temperature of purged groundwater were measured after the extraction of each successive casing volume. Well purging continued until consecutive pH, specific conductance, and temperature measurements appeared to stabilize. Field measurements, purge volumes, and sample collection data were recorded on field sampling data forms, provided in Appendix A.



Groundwater samples were collected using new disposable bailers, decanted into appropriate sampling containers supplied by the analytical laboratory. Samples were labeled, placed in protective foam sleeves, stored on crushed, water-based ice at or below 4 degrees Celsius and transported under a chain-of-custody (COC) to the laboratory. The COC used for this monitoring event is provided in Appendix B.

Sample Analyses: Groundwater samples were analyzed by McCampbell Analytical, Inc. of Pittsburg, California, a California-certified laboratory (DHS License No. 1644). All groundwater samples were analyzed for TPHg by modified United States Environmental Protection Agency (EPA) Method SW8015C; and benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tertiary-butyl ether (MTBE) by EPA Method SW8021B. The analytical laboratory report is included in Appendix B. Groundwater analytical results are provided on Table 2 and summarized on Figure 2. Groundwater analytical results have been submitted to the GeoTracker database.

Monitoring Results

Groundwater Flow Direction and Gradient: Based on depth-to-water measurements collected during the monitoring event on April 20, 2007, groundwater appears to flow towards the southwest with an apparent gradient of 0.119 feet per foot (Figure 2). The gradient and flow direction are consistent with historical data. Depth-to-water and groundwater elevation data for the site are in Table 2.

Hydrocarbon Distribution in Groundwater: Hydrocarbons were detected in two of the three sampled wells. The highest concentration of TPHg was detected in monitoring well MW-2 at 15,000 micrograms per liter ($\mu\text{g/L}$). The highest concentrations of BTEX compounds were detected in monitoring well MW-2 at concentrations of 340 $\mu\text{g/L}$, 160 $\mu\text{g/L}$, 420 $\mu\text{g/L}$ and 1,700 $\mu\text{g/L}$, respectively. No hydrocarbons were detected in well MW-1. No MTBE was detected in any of the sampled wells.

ANTICIPATED THIRD QUARTER 2007 ACTIVITIES

Monitoring Activities

During the third quarter 2007, CRA will measure water levels in all wells and collect groundwater samples from monitoring wells MW-1, MW-2 and MW-5 in accordance with the sampling schedule. CRA will then prepare a groundwater monitoring report summarizing the monitoring activities and results.

Based on the sampling schedule, monitoring wells MW-1, MW-2, and MW-5 are sampled on a quarterly basis and monitoring wells MW-3, MW-4, and MW-6 are sampled on an annual basis during the fourth quarter. Groundwater samples are analyzed for TPHg by modified EPA Method SW8015C, with BTEX and MTBE analyzed by EPA Method SW8021B.



REGULATORY CORRESPONDENCE

On March 1, 2007 Cambria (currently CRA) prepared and submitted a *Supplemental Site Characterization Report* to Alameda County Department of Environmental Health (ACEH) for review. Due to the finding of elevated concentrations of petroleum product in soil and groundwater at the site, we recommended evaluating and selecting a remedial alternative in a proposed *Remedial Action Plan*. Upon receipt of approval from ACEH, CRA will proceed with the proposed *Remedial Action Plan*.

ATTACHMENTS:

Figure 1 – Vicinity Map

Figure 2 – Groundwater Elevation Contour and Hydrocarbon Concentration Map

Table 1 – Well Construction Details

Table 2 – Groundwater Elevation and Analytical Data

Appendix A – Groundwater Monitoring Field Data Sheets

Appendix B – Laboratory Analytical Report

Appendix C – Benzene and TPHg Concentration Graphs

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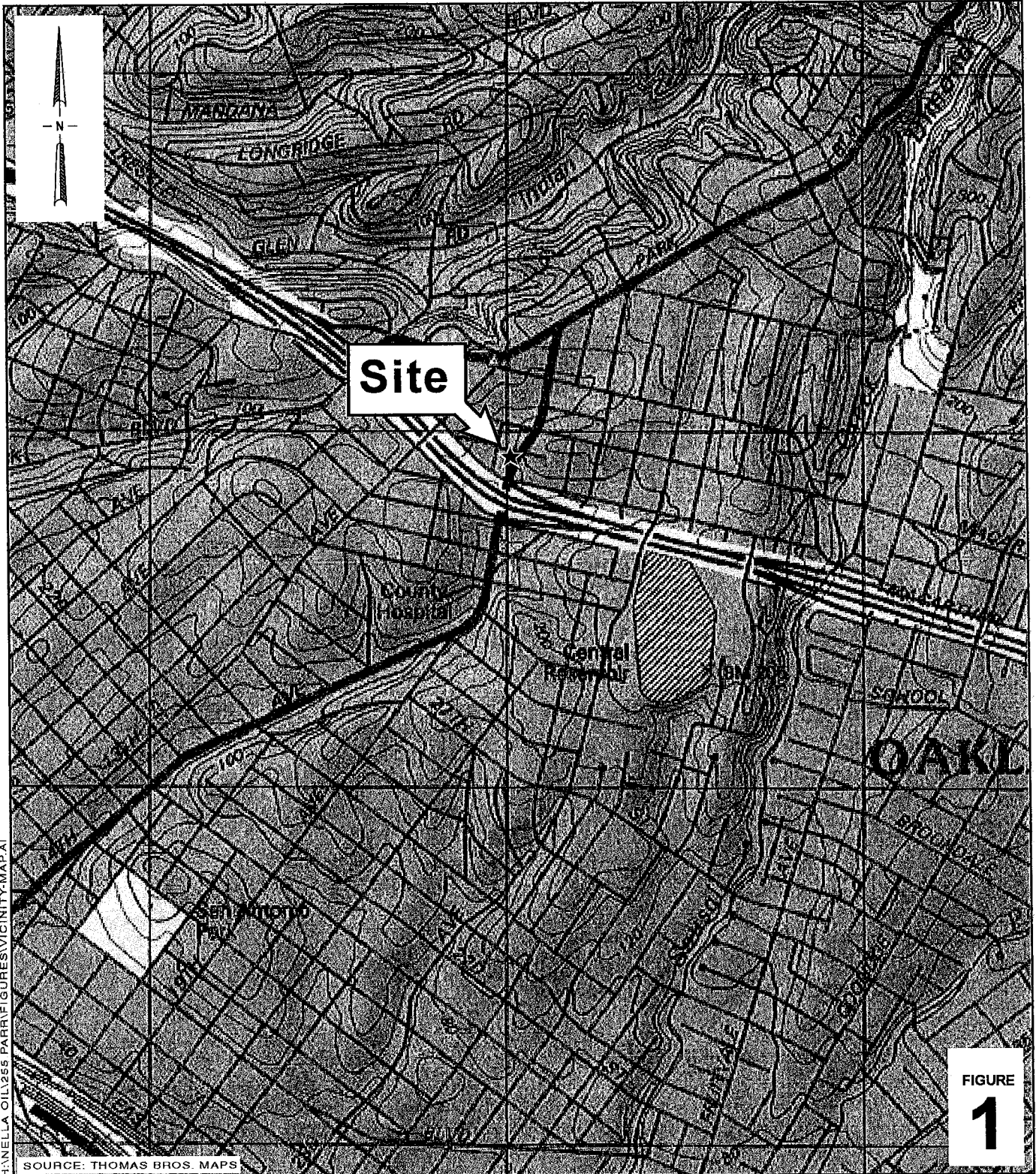


FIGURE 1

H:\NELLA_01\1255_PARR\FIGURES\VICINITY-MAP.A1

SOURCE: THOMAS BROS. MAPS

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Hooshii's Auto Service

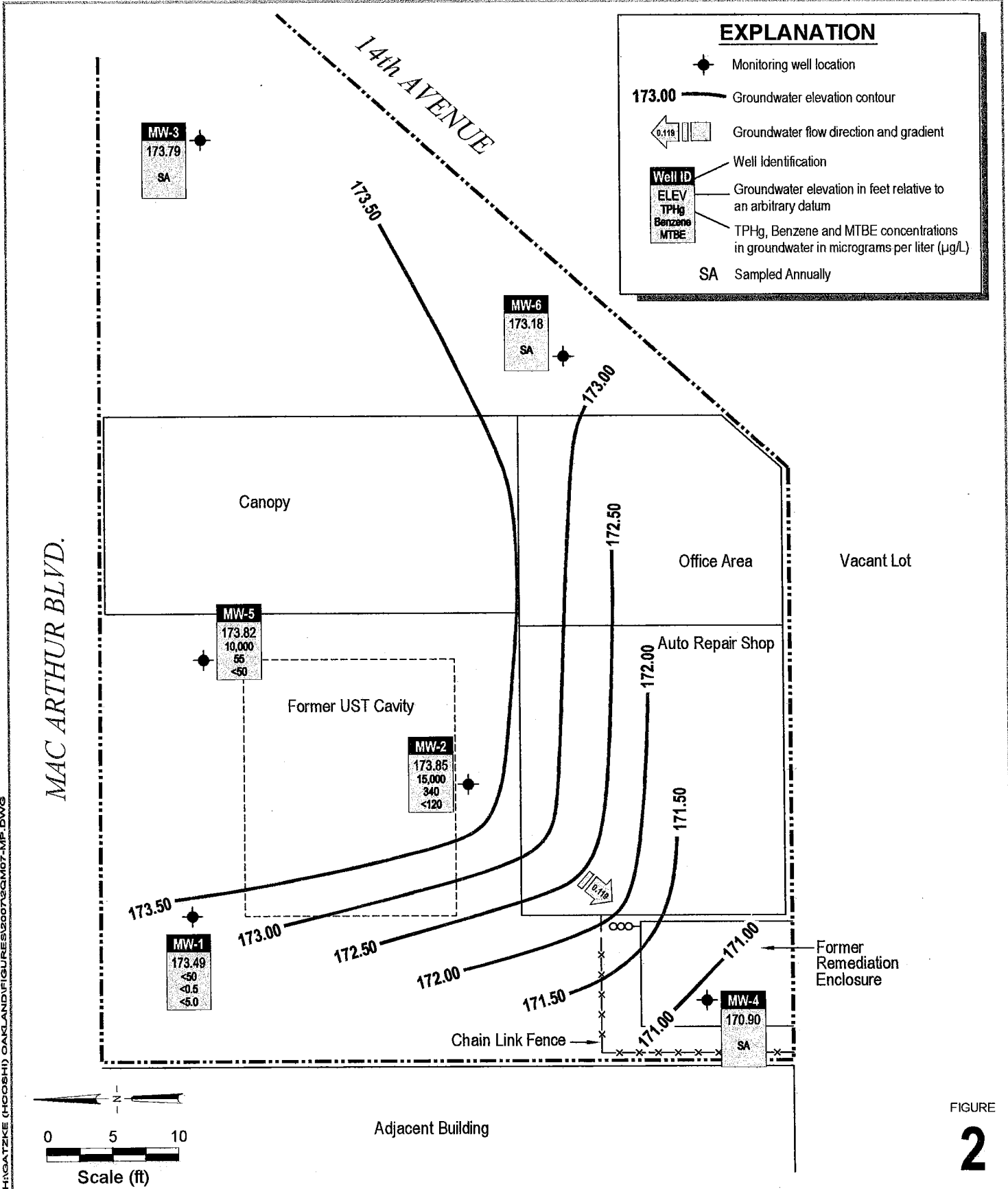
1499 MacArthur Boulevard

Oakland, California



**CONESTOGA-ROVERS
& ASSOCIATES**

Vicinity Map



HIGATTKE (H-COSH) OAKLAND\FIGURES\2007\3QMD7-MP.DWG

Hooshi's Auto Service
 1499 MacArthur Boulevard
 Oakland, California



Groundwater Elevation Contour and Hydrocarbon Concentration Map
 April 20, 2007

Conestoga-Rovers & Associates

Table 1. Monitoring Well Construction Details - Gatzke (Hooshi's) 1499 MacArthur Boulevard, Oakland, California

Well ID	Former ID	Date Installed	Date Destroyed	Borehole diameter (in)	Depth of borehole (ft)	Casing diameter (in)	Screened interval (ft bgs)	Filter Pack (ft bgs)	Bentonite seal (ft bgs)	Cement (ft bgs)	TOC elevation (ft above msl)
MW-1	B1	1/7/1993	--		20*	2					180.83
MW-2	B2	1/7/1993	--		20*	2					180.24
MW-3	B3	1/7/1993	--		20*	2					179.55
MW-4	--	6/27/1996	--		20	2	4.5 - 19	3.5 - 19	2.5 - 3.5	1 - 2.5	180.12
MW-5	--	6/27/1996	--		20	2	4.5 - 19	3.5 - 19	2.5 - 3.5	1 - 2.5	180.09
MW-6	--	6/27/1996	--		20	2	4.5 - 19	3.5 - 19	2.5 - 3.5	1 - 2.5	179.63

Abbreviations / Notes

ft = feet

in = inches

ft bgs = feet below grade surface

ft above msl = feet above mean sea level

TOC = top of casing

Elevations surveyed by Virgil Chavez Land Surveying.

* = Depth assume by downhole measurement.

Conestoga-Rovers & Associates

Table 2. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID TOC (ft*)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft msl)**	SPH Thickness (ft)	TPHg	Benzene	Toluene	Ethylbenzene Xylenes			MTBE	Notes
								(µg/L)				
<i>2006 Grab Groundwater Analytical Data</i>												
B-1*	12/21/2006	--	--	--	13,000	37 / 28	32 / ND<17	380 / 520	1,100 / 1,300	ND<17		a,i
B-2*	12/21/2006	--	--	--	40,000	1,100 / 1,100	1,300 / 1,300	990 / 840	6,400 / 5,900	ND<50		a,i
B-3*	12/21/2006	--	--	--	300	1.9 / 3.2	1.0 / 0.98	0.76 / 1.4	0.62 / 1.2	ND<0.5		a,i
B-4*	12/21/2006	--	--	--	7,600	110 / 87	32 / 22	470 / 520	520 / 450	ND<10		a,i
B-5*	12/22/2006	--	--	--	72,000	-- / 850	-- / 3,100	-- / 2,800	-- / 16,000	ND<100		a,h
<i>Monitoring Well Groundwater Analytical Data</i>												
MW-1	1/4/1993	--	--	--	539	130	12	22	13	--		
181.00	4/22/1993	--	--	--	1,130	75	8.0	38	11	--		
	12/27/1994	--	--	--	770	22	6.6	14	21	--		
	6/27/1996	14.11	166.89	--	3,300	260	34	59	170	80		
	12/10/1996	13.71	167.29	--	1,500	84	11	22	32	34		
	5/8/1998	13.85	167.15	--	3,200	300	12	62	36	ND<120		a
180.83	8/17/1998	14.11	166.89	--	1,700	160	18	32	27	39		a
	11/4/1998	14.28	166.72	--	1,100	11	4.3	3.6	6.5	ND<50		a
	2/17/1999	13.41	167.59	--	320	200	47	72	75	57		a
	5/27/1999	14.16	166.84	--	2,500	81	12	29	41	ND<80		a
	8/19/1999	14.18	166.82	--	780	19	ND<0.5	5.7	4.5	28		a
	11/23/1999	14.43	166.40	--	1,300	24	0.64	1.8	3.3	ND<100		a
	2/17/2000	13.85	166.98	--	1,300	60	9.1	22	19	22/16		a,b
	5/9/2000	14.01	166.82	--	2,700	55	13	19	25	34/29		a
	8/15/2000	14.24	166.59	--	--	--	--	--	--	--		
	12/1/2000	8.75	172.08	--	480	6.4	5.9	1.1	3.9	18 (21)		a
180.63	2/8/2001	8.49	172.14	--	64	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.1/5.6		a,c
	4/9/2001	8.71	171.92	--	--	--	--	--	--	--		
	4/24/2001	7.90	172.73	--	77	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.6/3.7		c
	8/6/2001	8.83	171.80	--	140	1.7	0.55	ND<0.5	0.63	5.8/4.0		a
	10/22/2001	8.91	171.72	--	120	0.92	ND<0.5	ND<0.5	0.59	11(10)		a
	2/1/2002	8.15	172.48	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	4/19/2002	8.63	172.00	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	7/16/2002	8.79	171.84	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	10/3/2002	8.90	171.73	--	110	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		f
	1/10/2003	7.93	172.70	--	ND<50	ND<0.5	0.74	ND<0.5	ND<0.5	ND<5.0		
4/21/2003	8.17	172.46	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0			
7/9/2003	8.92	171.71	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0			
10/7/2003	9.13	171.50	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0			
1/22/2004	8.20	172.43	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0			
4/2/2004	7.09	173.54	--	110	0.52	ND<0.5	ND<0.5	ND<0.5	ND<5.0		a	
12/29/2004	6.15	174.48	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0			
1/27/2005	7.15	173.48	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0			
4/6/2005	6.84	173.79	--	140	ND<0.5	0.55	ND<0.5	0.70	ND<5.0		c	
7/28/2005	7.36	173.27	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0			
10/14/2005	7.51	173.12	--	220	1.2	ND<0.5	0.56	0.75	ND<5.0		a	
1/30/2006	6.80	173.83	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0			
4/11/2006	6.60	174.03	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0			
7/14/2006	7.53	173.10	--	170	0.65	0.60	ND<0.5	ND<0.5	ND<5.0		a	
10/13/2006	7.47	173.16	--	200	0.93	ND<0.5	ND<0.5	ND<0.5	ND<5.0		a	
1/12/2007	7.40	173.23	--	92	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		c,i	
4/20/2007	7.14	173.49	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0			
MW-2	1/4/1993	--	--	--	149,000	21,700	25,000	ND	7,760	--		
180.45	4/22/1993	--	--	--	136,300	9,900	15,870	15,300	2,190	--		
	12/27/1994	--	--	--	94,000	11,000	18,000	2,700	16,000	--		
	6/27/1996	12.61	168.64	1.00	--	--	--	--	--	--		
	12/10/1996	11.10	169.55	0.25	--	--	--	--	--	--		

Conestoga-Rovers & Associates

Table 2. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID <i>TOC (ft*)</i>	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft msl**)	SPH Thickness (ft)	TPHg	Benzene	Toluene	Ethylbenzene Xylenes			MTBE	Notes
								(µg/L)				
<i>MW-2 cont'd</i>	5/8/1998	10.81	169.66	0.03	--	--	--	--	--	--	--	
	8/17/1998	12.16	168.31	0.02	--	--	--	--	--	--	--	
	11/4/1998	12.61	167.86	0.02	--	--	--	--	--	--	--	
	2/17/1999	9.82	170.66	0.04	--	--	--	--	--	--	--	
	5/27/1999	11.07	169.48	0.13	--	--	--	--	--	--	--	
	8/19/1999	12.79	167.68	0.02	--	--	--	--	--	--	--	
<i>180.24</i>	11/23/1999	12.14	168.20	0.12	--	--	--	--	--	--	--	
	2/17/2000	10.01	170.37	0.18	--	--	--	--	--	--	--	
	5/9/2000	10.88	169.38	0.03	--	--	--	--	--	--	--	
	8/15/2000	12.28	167.97	0.01	--	--	--	--	--	--	--	
	12/1/2000	8.03	172.21	--	260,000	1,100	5,000	1,900	17,000	ND<100		a
	2/8/2001	7.86	172.38	--	2,900	1.7	14	5.0	140	ND<5.0		c,d
	4/9/2001	7.95	172.29	--	--	--	--	--	--	--	--	
	4/24/2001	6.90	173.34	--	56,000	360	980	1,000	4,700	ND<5.0		a,b
	8/6/2001	8.15	172.09	--	54,000	680	1,900	1,500	7,800	ND<200/ND<11		a,b,j
	10/22/2001	8.22	172.02	--	32,000	420	770	1,100	4,100	ND<250		a,b
	2/1/2002	8.07	172.17	--	26,000	310	490	920	1,600	ND<1,000		a
	4/19/2002	8.60	171.64	--	16,000	300	240	1,000	990	ND<100		a
	7/16/2002	8.21	172.03	--	5,700	120	18	340	15	ND<50		a
	10/3/2002	8.14	172.10	--	4,400	44	16	68	20	ND<25		a
	1/10/2003	6.98	173.26	--	16,000	300	320	580	830	ND<100		a,b
	4/21/2003	7.25	172.99	--	12,000	350	260	610	380	ND<50		a
	7/9/2003	7.99	172.25	--	3,300	51	7.4	47	2.8	ND<17		a
	10/7/2003	8.21	172.03	--	2,400	93	11	34	22	ND<50		a
	1/22/2004	7.24	173.00	--	5,900	240	130	350	200	ND<50		a
	4/2/2004	6.29	173.95	--	37,000	840	1,500	1,300	5,900	ND<500		a
	12/29/2004	5.37	174.87	--	9,300	240	230	330	880	ND<50		a
	1/27/2005	6.38	173.86	--	37,000	1,200	1,400	1,300	5,200	<250		a
	4/6/2005	5.88	174.36	--	21,000	400	340	780	1,700	ND<100		a
7/28/2005	6.61	173.63	--	35,000	690	1,200	1,200	5,200	ND<500		a	
10/14/2005	6.80	173.44	--	14,000	380	120	780	1,200	ND<100		a, b	
1/30/2006	5.91	174.33	--	22,000	310	140	1,300	2,800	ND<50		a,b,i	
4/11/2006	5.65	174.59	--	18,000	280	170	780	1,400	ND<250		a,b,i	
7/14/2006	6.76	173.48	--	49,000	340	140	1,600	4,800	ND<500		a,b	
10/13/2006	6.74	173.50	--	21,000	490	73	600	1,100	ND<110		a,b,i	
1/12/2007	6.55	173.69	--	16,000	320	170	600	2,100	ND<250		a,i	
4/20/2007	6.39	173.85	--	15,000	340	160	420	1,700	ND<120		a,h	
<i>MW-3 179.94</i>	1/4/1993	--	--	--	1,610	772	14	11	ND	--		
	4/22/1993	--	--	--	3,040	980	34	19	16	--		
<i>179.55</i>	12/27/1994	--	--	--	2,600	180	9.0	7.2	13	--		
	6/27/1996	13.20	166.74	--	2,000	22	2.9	11	7.4	56		
	12/10/1996	13.13	166.81	--	970	ND<0.5	ND<0.5	ND<0.5	ND<0.5	24		
	5/8/1998	13.03	166.91	--	780	3.7	2.1	1.1	2.4	ND<32		a
	8/17/1998	13.22	166.72	--	870	2.8	ND<0.5	ND<0.5	3.7	ND<5.0		b,c
	11/4/1998	13.31	166.63	--	770	1.6	4.4	2.0	6.9	ND<30		c
	2/17/1999	12.89	167.05	--	650	6.2	3.4	1.5	2.6	ND<5.0		b,c
	5/27/1999	12.32	167.62	--	570	1.5	1.2	0.72	1.1	ND<20		a
	8/19/1999	13.19	166.75	--	830	ND<0.5	1.9	ND<0.5	1.3	ND<20		c,d
	11/23/1999	13.26	166.29	--	900	ND<0.5	1.8	0.56	1.4	ND<20		c,d
	2/17/2000	12.78	166.77	--	250	ND<0.5	1.5	ND<0.5	0.62	ND<5.0		d
	5/9/2000	12.92	166.63	--	690	ND<0.5	2.1	0.85	1.6	ND<5.0		a
	8/15/2000	13.19	166.36	--	610	ND<0.5	2.3	0.75	1.2	ND<5.0		c,d
	12/1/2000	7.50	172.05	--	120	ND<0.5	0.90	0.65	0.62	ND<5.0		c,d
	2/8/2001	7.20	172.35	--	87	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		c,d
	4/9/2001	7.33	172.22	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	8/6/2001	7.61	171.94	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		

Conestoga-Rovers & Associates

Table 2. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID <i>TOC (ft*)</i>	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft msl**)	SPH Thickness (ft)	TPHg	Benzene	Toluene	Ethylbenzene Xylenes			MTBE	Notes
								(µg/L)				
<i>MW-3 cont'd</i> sampled annually	10/22/2001	7.58	171.97	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	2/1/2002	7.53	172.02	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8.5/8.5	
	4/19/2002	7.95	171.60	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.0/11	
	7/16/2002	7.68	171.87	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	20/30	
	10/3/2002	7.78	171.77	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	1/10/2003	6.91	172.64	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	19/16	
	4/21/2003	7.21	172.34	--	--	--	--	--	--	--	--	
	7/9/2003	8.05	171.50	--	--	--	--	--	--	--	--	
	10/7/2003	8.19	171.36	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	1/22/2004	7.13	172.42	--	--	--	--	--	--	--	--	
	4/2/2004	5.73	173.82	--	--	--	--	--	--	--	--	
	12/29/2004	4.88	174.67	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	1/27/2005	5.80	173.75	--	--	--	--	--	--	--	--	
	4/6/2005	5.49	174.06	--	--	--	--	--	--	--	--	
	7/28/2005	6.02	173.53	--	--	--	--	--	--	--	--	
	10/14/2005	6.11	173.44	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	1/30/2006	5.45	174.10	--	--	--	--	--	--	--	--	
4/11/2006	5.22	174.33	--	--	--	--	--	--	--	--		
7/14/2006	6.15	173.40	--	--	--	--	--	--	--	--		
10/13/2006	6.03	173.52	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
1/12/2007	5.98	173.57	--	--	--	--	--	--	--	--		
4/20/2007	5.76	173.79	--	--	--	--	--	--	--	--		
MW-4	6/27/1996	17.03	163.51	--	720	2	0.5	2.5	23	3.2		
<i>180.54</i>	12/10/1996	8.50	172.04	--	80	2.4	ND<0.5	ND<0.5	6.6	ND<2.0		
	5/8/1998	11.46	169.08	--	ND<50	0.60	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	8/17/1998	13.98	166.56	--	ND<50	ND<0.5	ND<0.5	ND<0.5	0.5	ND<5.0		
	11/4/1998	14.36	166.18	--	96	9.7	8.1	4.8	18	ND<5.0	a	
	2/17/1999	8.39	172.15	--	ND<50	ND<0.5	ND<0.5	ND<0.5	0.5	ND<5.0		
	5/27/1999	12.80	167.74	--	ND<50	ND<0.5	1.0	ND<0.5	2.9	ND<5.0		
	8/19/1999	14.42	166.12	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	11/23/1999	14.63	165.49	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	2/17/2000	8.15	171.97	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	5/9/2000	12.81	167.31	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
<i>180.12</i>	8/15/2000	14.29	165.83	--	ND<50	2.1	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	12/11/2000	12.80	167.32	--	81	6.0	8.4	1.0	5.6	ND<5.0	a	
	2/8/2001	12.57	167.55	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	4/9/2001	12.50	167.62	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	8/6/2001	14.00	166.12	--	59	1.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	a	
	10/22/2001	14.05	166.07	--	130	6.3	ND<0.5	0.88	ND<0.5	ND<5.0	a	
	2/1/2002	13.47	166.65	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	4/19/2002	13.55	166.57	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	7/16/2002	14.05	166.07	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	10/3/2002	13.09	167.03	--	77	2.1	0.51	ND<0.5	ND<0.5	ND<5.0	a	
	1/10/2003	12.04	168.08	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	20/15	a	
	sampled annually	4/21/2003	12.15	167.97	--	--	--	--	--	--	--	
		7/9/2003	12.90	167.22	--	--	--	--	--	--	--	
		10/7/2003	13.15	166.97	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
		1/22/2004	12.09	168.03	--	--	--	--	--	--	--	
4/2/2004		8.97	171.15	--	--	--	--	--	--	--		
12/29/2004		7.85	172.27	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
1/27/2005		8.28	171.84	--	--	--	--	--	--	--		
4/6/2005		8.07	172.05	--	--	--	--	--	--	--		
7/28/2005		10.83	169.29	--	--	--	--	--	--	--		
10/14/2005		11.49	168.63	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
1/30/2006	8.04	172.08	--	--	--	--	--	--	--			

Conestoga-Rovers & Associates

Table 2. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID TOC (ft*)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft msl)**	SPH Thickness (ft)	TPHg	Benzene	Toluene	Ethylbenzene Xylenes			MTBE	Notes
								(µg/L)				
MW-4 cont'd	4/11/2006	8.03	172.09	--	--	--	--	--	--	--	--	
	7/14/2006	10.72	169.40	--	--	--	--	--	--	--	--	
	10/13/2006	11.25	168.87	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	1/12/2007	8.89	171.23	--	--	--	--	--	--	--	--	
	4/20/2007	9.22	170.90	--	--	--	--	--	--	--	--	
MW-5	6/27/1996	13.62	166.74	0.16	--	--	--	--	--	--	--	
180.23	12/10/1996	13.26	167.77	1.00	--	--	--	--	--	--	--	
	5/8/1998	13.15	167.11	0.04	--	--	--	--	--	--	--	
	8/17/1998	13.36	166.89	0.02	--	--	--	--	--	--	--	
	11/4/1998	13.52	166.73	0.02	--	--	--	--	--	--	--	
	2/17/1999	13.02	167.23	0.02	--	--	--	--	--	--	--	
	5/27/1999	13.80	166.71	0.35	--	--	--	--	--	--	--	
	8/19/1999	13.45	166.86	0.10	--	--	--	--	--	--	--	
	11/23/1999	14.03	166.35	0.36	--	--	--	--	--	--	--	
180.09	2/17/2000	13.28	167.02	0.26	--	--	--	--	--	--	--	
	5/9/2000	13.55	166.77	0.29	--	--	--	--	--	--	--	
	8/15/2000	13.58	166.54	0.04	--	--	--	--	--	--	--	
	12/1/2000	8.00	172.09	0.00	54,000	240	1,700	870	1,000	ND<300	c,d	
180.04	2/8/2001	7.88	172.16	0.00	33,000	63	420	120	4,500	ND<50	a,b	
	4/9/2001	7.97	172.07	0.00	--	--	--	--	--	--	--	
	4/24/2001	7.00	173.04	0.00	3,200	ND<1.0	11	7	260	ND<5.0	c,d	
	8/6/2001	8.17	171.87	--	2,700	11	40	21	240	ND<5.0	a	
	10/22/2001	8.15	171.89	--	20,000	200	1,200	330	2,900	ND<100	a,b	
	2/1/2002	8.07	171.97	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	4/19/2002	8.51	171.53	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	7/16/2002	8.40	171.64	--	ND<50	ND<0.5	ND<0.5	ND<0.5	1.7	ND<5.0		
	10/3/2002	8.18	171.86	--	15,000	94	830	460	2,200	ND<500	a	
	1/10/2003	6.95	173.09	--	290	ND<0.5	1.8	ND<0.5	17	ND<5.0	a	
	4/21/2003	7.18	172.86	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	7/9/2003	7.95	172.09	--	ND<50	ND<0.5	ND<0.5	ND<0.5	2.7	ND<5.0		
	10/7/2003	8.22	171.82	--	9,800	120	340	180	2,000	ND<50	a	
	1/22/2004	7.18	172.86	--	250	ND<0.5	0.82	ND<0.5	29	ND<5.0	d	
	4/2/2004	6.23	173.81	--	4,300	6.3	18	59	750	ND<25	a	
	12/29/2004	5.27	174.77	--	72	ND<0.5	0.78	ND<0.5	6.5	ND<5.0	d	
	1/27/2005	6.25	173.79	--	3,300	<5.0	22	18	320	<50	a	
	4/6/2005	5.90	174.14	--	3,100	1.3	6.9	7.2	100	ND<10	c,d	
	7/28/2005	6.50	173.54	--	18,000	53	230	130	2,100	ND<500	a	
	10/14/2005	6.65	173.39	--	23,000	140	370	240	2,100	ND<500	a,b	
1/30/2006	5.96	174.08	--	2,500	1.0	8.7	ND<1.0	130	ND<10	b,c,d		
4/11/2006	5.63	174.41	--	1,200	1.3	3.1	1.7	54	ND<5.0	a		
7/14/2006	6.65	173.39	--	13,000	27	66	30	480	ND<50	a,b		
10/13/2006	6.60	173.44	--	23,000	170	390	260	2,500	ND<250	a,b		
1/12/2007	6.50	173.54	--	17,000	72	130	70	1,600	ND<250	a,h,i		
4/20/2007	6.22	173.82	--	10,000	55	120	37	620	ND<50	a,h		
MW-6	6/27/1996	18.55	161.48	--	ND	ND	ND	ND	ND	--		
180.03	12/10/1996	11.79	168.24	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0		
	5/8/1998	11.62	168.41	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	8/17/1998	12.66	167.37	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	11/4/1998	13.56	166.47	--	68	3.8	3.7	2.8	11	ND<5.0	a	
	2/17/1999	12.91	167.12	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	5/27/1999	13.03	167.00	--	ND<50	1.0	1.7	0.82	4.9	ND<5.0		
	8/19/1999	13.10	166.93	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	11/23/1999	13.58	166.05	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
179.63	2/17/2000	10.72	168.91	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	5/9/2000	11.71	167.92	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	8/15/2000	12.49	167.14	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		

Conestoga-Rovers & Associates

Table 2. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID <i>TOC (ft*)</i>	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft msl**)	SPH Thickness (ft)	TPHg	Benzene Toluene Ethylbenzene Xylenes					MTBE	Notes	
						(µg/L)							
<i>MW-6 cont'd</i>	12/1/2000	8.64	170.99	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	2/8/2001	8.20	171.43	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	4/9/2001	8.53	171.10	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	8/6/2001	8.69	170.94	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	10/22/2001	8.75	170.88	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	2/1/2002	8.31	171.32	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	4/19/2002	8.62	171.01	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	7/16/2002	8.84	170.79	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	10/3/2002	8.71	170.92	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	1/10/2003	6.99	172.64	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	19 (16)		
	sampled annually	4/21/2003	7.15	172.48	--	--	--	--	--	--	--	--	
		7/9/2003	7.98	171.65	--	--	--	--	--	--	--	--	
		10/7/2003	8.28	171.35	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
		1/22/2004	7.15	172.48	--	--	--	--	--	--	--	--	
		4/2/2004	6.56	173.07	--	--	--	--	--	--	--	--	
		12/29/2004	5.63	174.00	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
		1/27/2005	6.66	172.97	--	--	--	--	--	--	--	--	
		4/6/2005	6.25	173.38	--	--	--	--	--	--	--	--	
		7/28/2005	6.71	172.92	--	--	--	--	--	--	--	--	
		10/14/2005	6.86	172.77	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
1/30/2006	6.35	173.28	--	--	--	--	--	--	--	--			
4/11/2006	5.89	173.74	--	--	--	--	--	--	--	--			
7/14/2006	6.80	172.83	--	--	--	--	--	--	--	--			
10/13/2006	6.75	172.88	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0			
1/12/2007	6.61	173.02	--	--	--	--	--	--	--	--			
4/20/2007	6.45	173.18	--	--	--	--	--	--	--	--			
Trip Blank	5/8/1998	--	--	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	11/4/1998	--	--	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	5/27/1999	--	--	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	11/23/1999	--	--	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	12/1/2000	--	--	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		

Abbreviations and Methods:

TOC = Top of casing elevation
 ft = Measured in feet
 ft msl = elevation in feet mean sea level.
 SPH = Separate phase hydrocarbons
 TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method SW8015C
 Benzene, toluene, ethylbenzene, and xylenes by EPA Method SW8021B
 MTBE = Methyl tertiary butyl ether by EPA Method SW8021B or SW8260B
 µg/L = Micrograms per liter
 -- = Not sampled, not analyzed, or not applicable
 ND<0.5 = Not Detected (ND) above Detection Limit.
 x./y.y = Result of EPA Method SW8021B / Result of EPA Method SW8260B

Analytical Laboratory Notes:

- a - Unmodified or weakly modified gasoline is significant.
- b - Lighter than water immiscible sheen is present.
- c - No recognizable pattern on laboratory chromatogram.
- d - Heavier gasoline range compounds are significant (aged gasoline?).
- f - One to a few isolated non-target peaks present on laboratory chromatogram.
- h = lighter than water immiscible sheen/product present.
- i - Liquid sample contains greater than ~1 vol. % sediment
- j - Sample diluted due to high organic content.

* = 2006 grab groundwater samples collected from 20 ft bgs.

** = Calculated groundwater elevation corrected for SPH by the relation: Groundwater Elevation = Well Elevation - Depth to Water + (0.8xSPH thickness (ft))

*** = Due to the air sparge system running during sampling, samples collected on 4/9/01 were anomalous. Well was resampled on 4/24/01 with the air sparge system off.



**CONESTOGA-ROVERS
& ASSOCIATES**

Second Quarter 2007 Monitoring Report
1499 MacArthur Blvd., Oakland, CA
www.CRAworld.com FLC #RO0000516
June 11, 2007

APPENDIX A

Groundwater Monitoring Field Data Sheets

WELL GAUGING SHEET

Client: Conestoga-Rovers and Associates						
Site Address: 1499 MacArthur Boulevard, Oakland, CA						
Date: 4/20/2007			Signature:			
Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1	9:15		7.14		20.05	
MW-2	9:25		6.39		19.89	
MW-3	9:10		5.76		19.95	
MW-4	9:00		9.22		19.95	
MW-5	9:20		6.22		14.69	
MW-6	9:05		6.45		20.09	

WELL SAMPLING FORM

Date:		4/20/2007				
Client:		Conestoga-Rovers and Associates				
Site Address:		1499 MacArthur Boulevard, Oakland, CA				
Well ID:		MW-1				
Well Diameter:		2"				
Purging Device:		Disposable Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		20.05	Fe= mg/L			
Depth to Water:		7.14	ORP= mV			
Water Column Height:		12.91	DO= mg/L			
Gallons/ft:		0.16				
1 Casing Volume (gal):		2.07	COMMENTS: very turbid			
3 Casing Volumes (gal):		6.20				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS)
10:00	2.1	17.9			7.04	659
10:05	4.1	17.6	7.01	670		
10:10	6.2	17.5	7.00	642		
Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-1	4/20/2007	10:15	40 ml VOA	HCl, ICE	TPHg BTEX MTBE	8015, 8021, confirmation by 8260
				Signature:		

Well Inspection

CRA

CRA Project Number: 120741

Site Name: Gatzke / Hooshi's

Person Making Observations: Sanjiv Gill

Date of Observations: 4/20/2007

Well ID	1. Access clear of obstructions	2. Well cover present	3. Bolts in place and not stripped	4. Rubber seal in place, not cracked	5. Cap locked	6. Cap snug	7. No water in outer annular space	8. If water present, >1" below TOC	9. Exposed casing not cracked	10. Outer annular seal adequate	11. Well box acceptable	12. Well labeled	13. Other (see notes)	Notes (Attach extra sheets if necessary.)
MW-1	√	√	√	√	No	√	√	√	√	√	√	No		<input type="checkbox"/> Photograph provided.
MW-2	√	√	√	√	No	√	√	√	√	√	√	No		Slip cap with air sparge line <input type="checkbox"/> Photograph provided.
MW-3	√	√	No	√	⊙	√	√	√	√	√	√	No		one bolt hole on box broken <input type="checkbox"/> Photograph provided.
MW-4	√	√	⊙	√	⊙	√	√	√	√	√	√	No		one bolt rethreaded <input type="checkbox"/> Photograph provided
MW-5	√	√	√	√	No	√	√	√	√	√	√	No		Slip cap with air sparge line <input type="checkbox"/> Photograph provided.
MW-6	√	√	⊙	√	√	√	√	√	√	√	√	No		two bolts rethreaded <input type="checkbox"/> Photograph provided.
														<input type="checkbox"/> Photograph provided.
														<input type="checkbox"/> Photograph provided.
														<input type="checkbox"/> Photograph provided.
														<input type="checkbox"/> Photograph provided.
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														<input type="checkbox"/> Photograph provided.
														<input type="checkbox"/> Photograph provided.
														<input type="checkbox"/> Photograph provided.
														<input type="checkbox"/> Photograph provided.

Legend:
 √ = Yes, wellhead meets quality standard
 No = No, wellhead does not meet quality standard, needs correction (if necessary, use notes to clarify).
 ⊙ = Quality standard not met, but corrected during site visit.

MUSKAN
ENVIRONMENTAL
SAMPLING

DRUM INVENTORY

Client:	Conestoga-Rovers and Associates			
Project:	Gatzke / Hooshi's			
Site Address:	1499 MacArthur Boulevard, Oakland, CA			
Date:	4/20/2007			
ARRIVAL	Amount	SPH	Soil	Water
COMMENTS (color, type, label markings, location etc.): No drums onsite.	FULL			
	3/4			
	2/3			
	1/2			
	1/3			
	1/4			
	>0,<1/4			
DEPARTURE	Amount	SPH	Soil	Water
COMMENTS (color, type, label markings, location etc.): One black open top steel drums non haz purge water. Drums located near well MW-4.	FULL			
	3/4			
	2/3			
	1/2			
	1/3			1
	1/4			
	>0,<1/4			
	TOTAL			1



**CONESTOGA-ROVERS
& ASSOCIATES**

Second Quarter 2007 Monitoring Report
1499 MacArthur Blvd., Oakland, CA
www.CRAworld.com FLC #RO0000516
June 11, 2007

APPENDIX B

Laboratory Analytical Report



McC Campbell Analytical, Inc.

"When Quality Counts"

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

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #120741; Hooshi's	Date Sampled: 04/20/07
		Date Received: 04/20/07
	Client Contact: Mark Jonas	Date Reported: 04/26/07
	Client P.O.:	Date Completed: 04/26/07

WorkOrder: 0704417

April 26, 2007

Dear Mark:

Enclosed are:

- 1). the results of 3 analyzed samples from your **#120741; Hooshi's project**,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill 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 please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

McC Campbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0704417

ClientID: CETE

EDF Excel Fax Email HardCopy ThirdParty

Report to:

Mark Jonas
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608

Email: mjonas@CRAworld.com
TEL: (510) 420-070 FAX: (510) 420-917
ProjectNo: #120741; Hooshi's
PO:

Bill to

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

Requested TAT: 5 days

Date Received 04/20/2007

Date Printed: 04/20/2007

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0704417-001	MW-1	Water	04/20/07 10:15:00	<input type="checkbox"/>	A	A											
0704417-002	MW-2	Water	04/20/07 11:15:00	<input type="checkbox"/>	A												
0704417-003	MW-5	Water	04/20/07 10:40:00	<input type="checkbox"/>	A												

Test Legend:

1	G-MBTEX W	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Sheli Cryderman

Comments: confirm all MTBE hits by 8260

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



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Sample Receipt Checklist

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

Date and Time Received: **04/20/07 1:37:29 PM**

Project Name: **#120741; Hooshi's**

Checklist completed and reviewed by: **SC**

WorkOrder N°: **0704417** Matrix Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

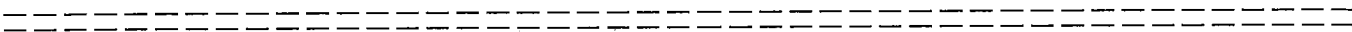
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature	Cooler Temp: 14.6°C		NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
TTLIC Metal - pH acceptable upon receipt (pH<2)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N <input checked="" type="checkbox"/>



Client contacted:

Date contacted:

Contacted by:

Comments:



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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0704417

EPA Method SW8021B/8015Cm		Extraction SW5030B				BatchID: 27578			Spiked Sample ID: 0704408-003A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) ^f	ND	60	97.4	94.4	3.14	100	106	5.06	70 - 130	30	70 - 130	30
MTBE	ND	10	119	114	3.84	107	89	18.4	70 - 130	30	70 - 130	30
Benzene	ND	10	108	110	2.04	103	96	7.34	70 - 130	30	70 - 130	30
Toluene	ND	10	98.2	99.5	1.36	103	97.4	5.90	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	111	107	3.87	106	102	4.27	70 - 130	30	70 - 130	30
Xylenes	ND	30	107	100	6.45	120	117	2.82	70 - 130	30	70 - 130	30
%SS:	95	10	95	95	0	92	89	3.08	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 27578 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0704417-001A	04/20/07 10:15 AM	04/24/07	04/24/07 8:32 AM	0704417-002A	04/20/07 11:15 AM	04/20/07	04/20/07 8:39 PM
0704417-003A	04/20/07 10:40 AM	04/24/07	04/24/07 9:02 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.



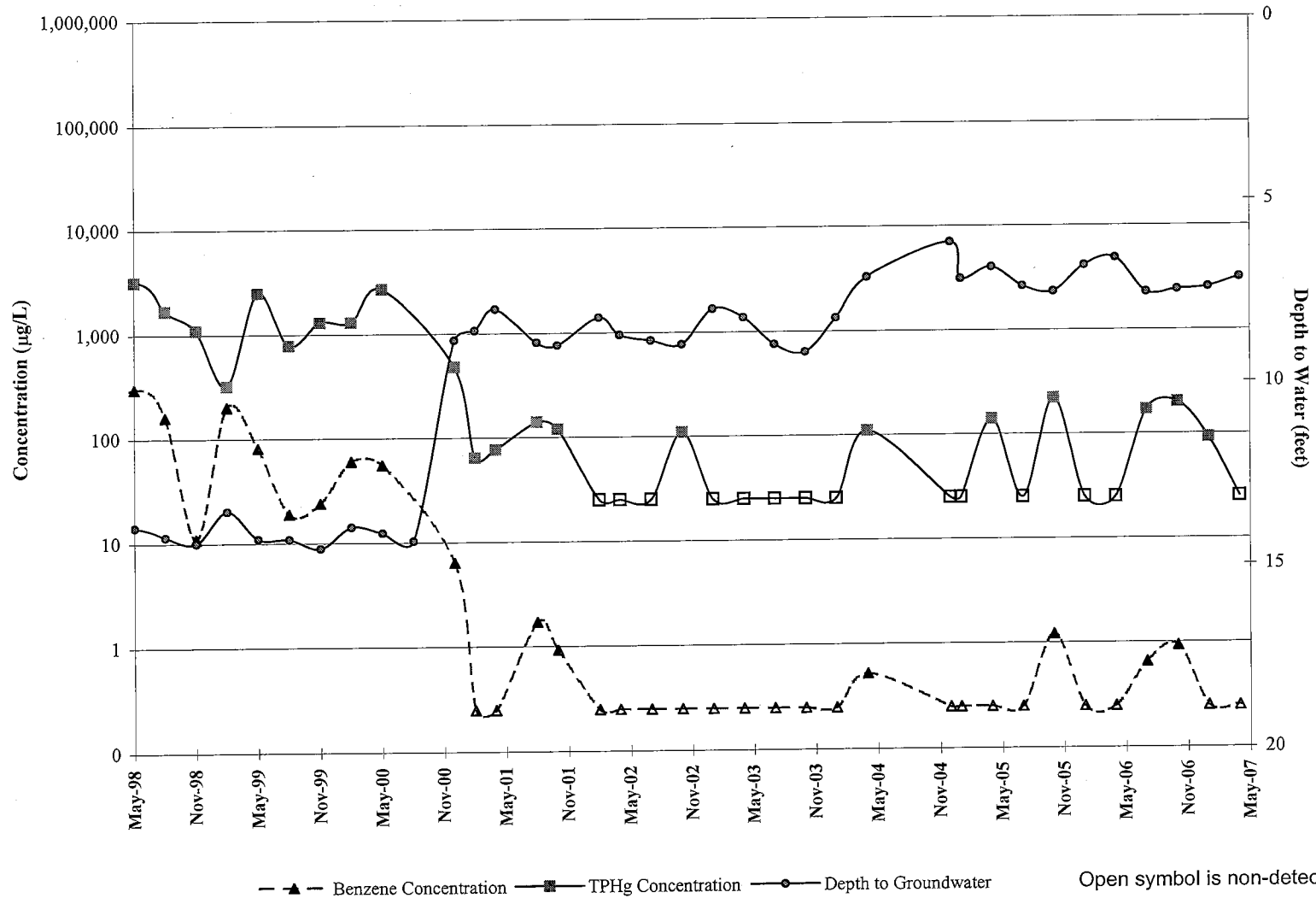
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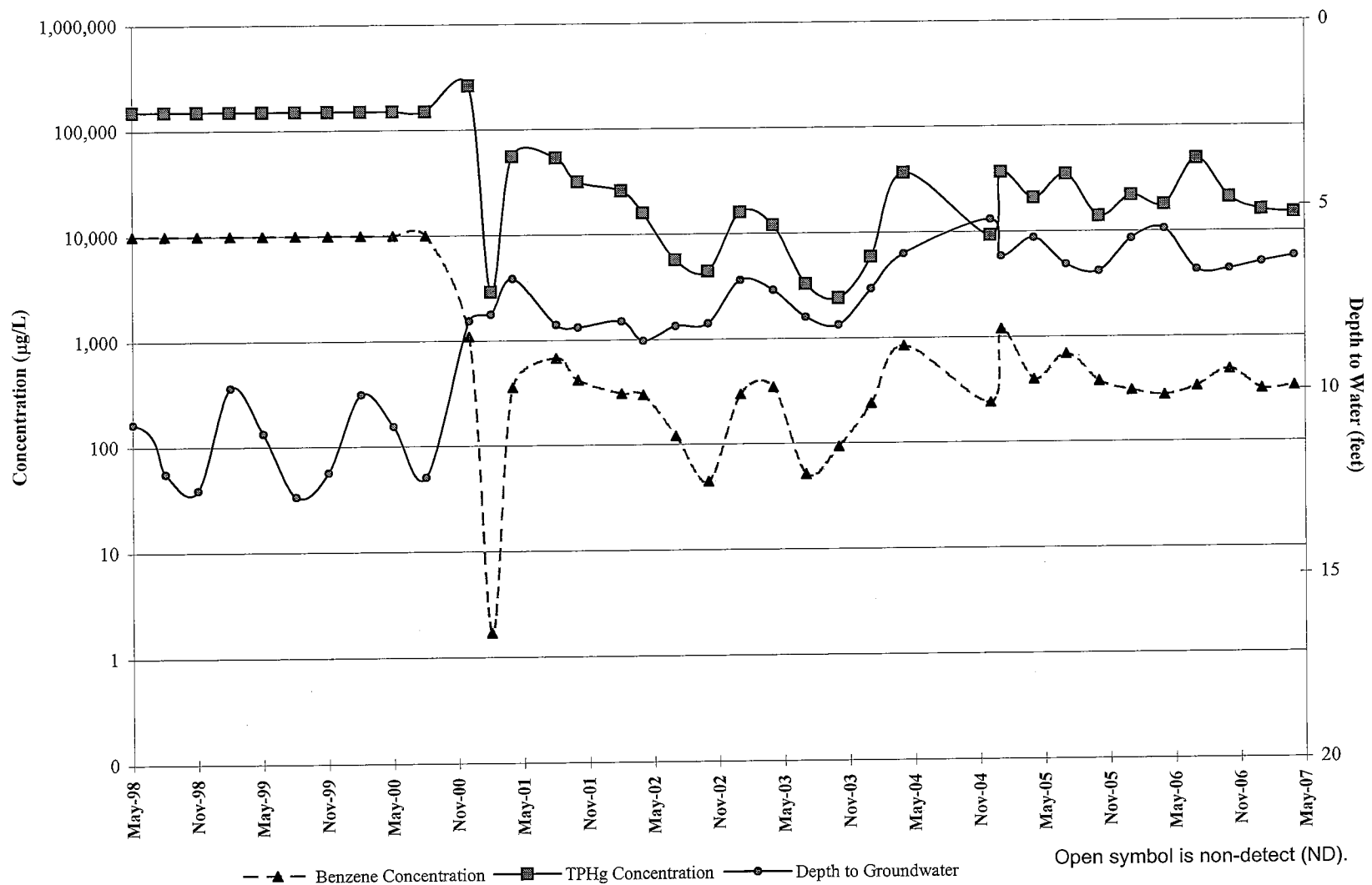
APPENDIX C

Benzene and TPHg Concentration Graphs

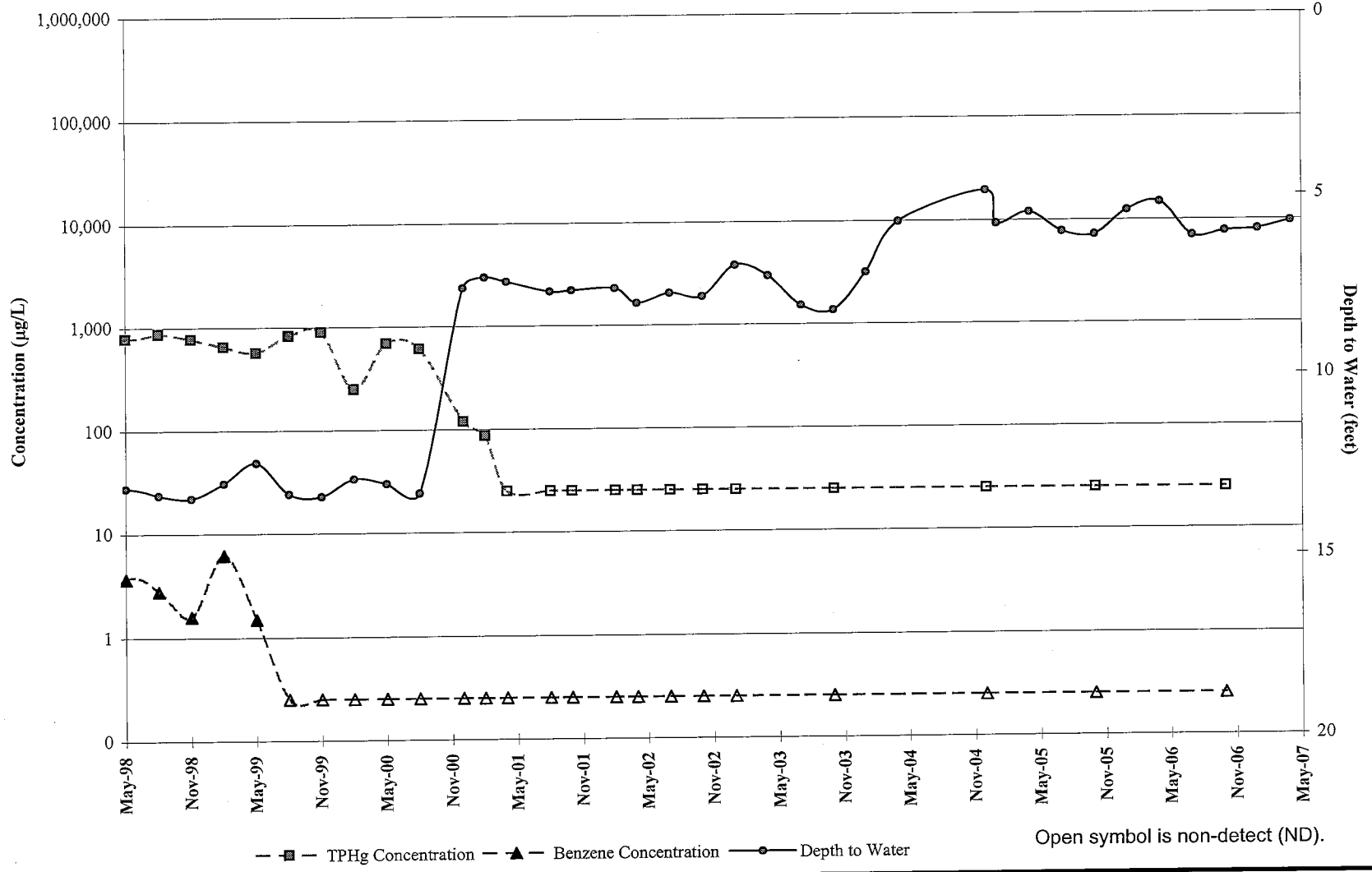
**Monitoring Well MW-1
TPHg and Benzene Concentration Trend
Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, CA**



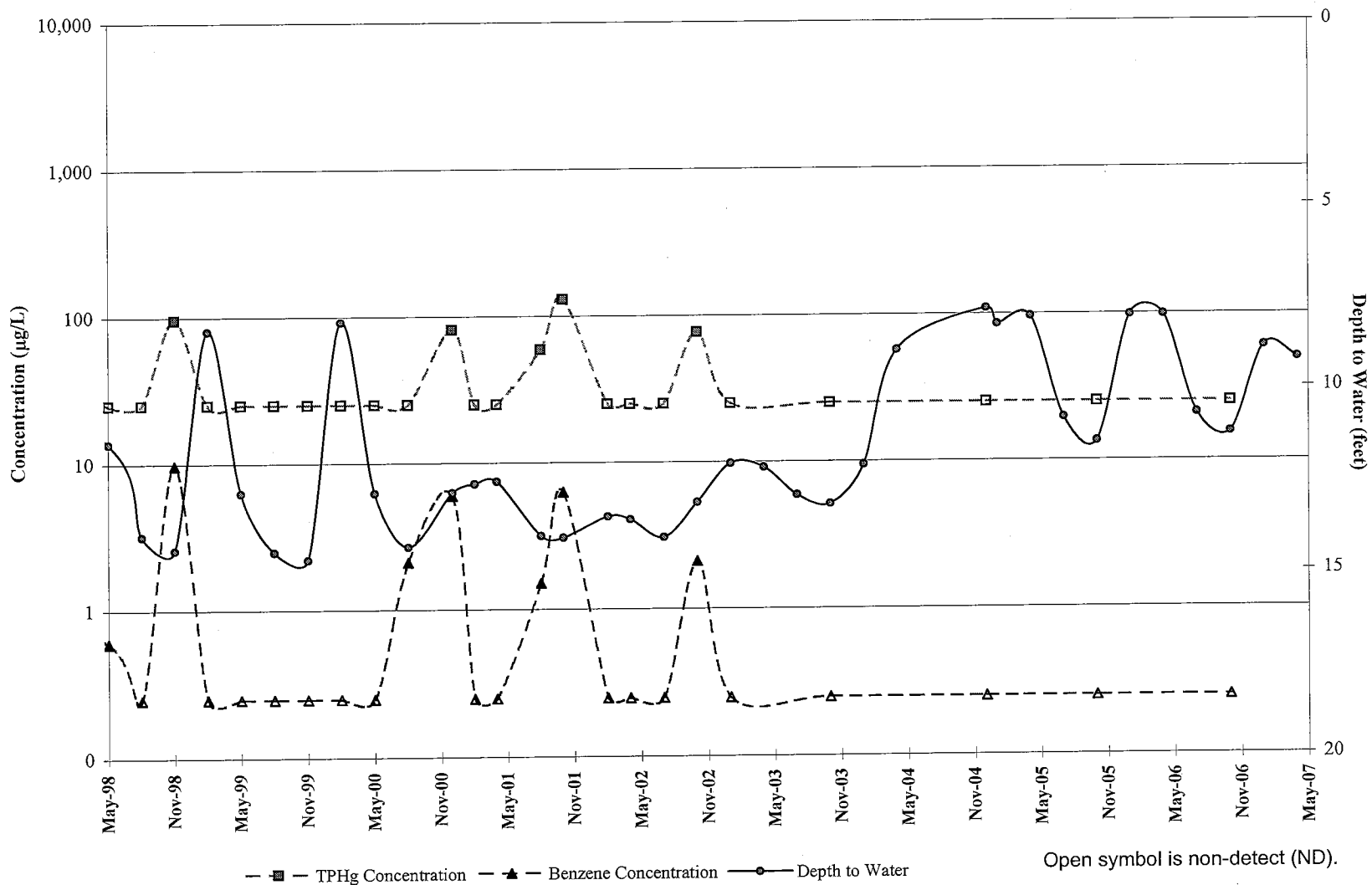
**Monitoring Well MW-2
TPHg and Benzene Concentration Trend
Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, CA**



**Monitoring Well MW-3
TPHg and Benzene Concentration Trend
Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, CA**



**Monitoring Well MW-4
TPHg and Benzene Concentration Trend
Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, CA**



**Monitoring Well MW-5
TPHg and Benzene Concentration Trend
Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, CA**

