

C A M B R I A

June 14, 2001

Mr. Scott Seery
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **First Quarter 2001 Monitoring Report and
Remediation Pilot Testing**
Shell-branded Service Station
6039 College Avenue
Oakland, California
Incident #98995745
Cambria Project #243-0503-002

JUN 19 2001



Dear Mr. Seery:

On behalf of Equiva Services LLC, Cambria Environmental Technology, Inc. (Cambria) is submitting this groundwater monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

FIRST QUARTER 2001 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California checked site monitoring wells for separate-phase hydrocarbons (SPH), measured dissolved oxygen (DO) levels, gauged water levels, and calculated groundwater elevations. Cambria prepared a groundwater elevation contour map (Figure 1). Blaine's report, including the laboratory report and supporting field documents, is included as Attachment A.

Groundwater from MW-3 and MW-4 is analyzed annually in the first quarter for total recoverable petroleum hydrocarbons (TRPH) by EPA Method SM 5520B/F and semi-volatile organics (SVOCs) by EPA Method 8270C. TRPH was detected at 13.3 parts per million in MW-4. The only SVOCs detected were bis(2-ethylhexyl)phthalate at 22 parts per billion (ppb), 2-methylnaphthalene at 8.4 ppb, and naphthalene at 39 ppb in MW-3, and bis(2-ethylhexyl)phthalate at 410 ppb and naphthalene at 160 ppb in MW-4. Historical TRPH results are summarized in Table 3. Certified laboratory reports for the current samples are included in Attachment A.

Oakland, CA
San Ramon, CA
Sonoma, CA

**Cambria
Environmental
Technology, Inc.**

1144 65th Street
Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

Remediation Pilot Testing: Cambria conducted short-term pilot tests on March 15, 2001 to determine the effectiveness of dual-phase vacuum extraction (DVE) and soil vapor extraction (SVE) in remediating hydrocarbons in soil and groundwater. DVE is the process of applying high vacuum through an airtight well seal to simultaneously extract soil vapors from the vadose zone and enhance groundwater extraction from the saturated zone. A stinger is lowered into the well to draw down the water table and increase the unsaturated area available for SVE. A Remediation Services International Inc V3 internal combustion engine (ICE) equipped with a separator tank was used to extract soil vapors and groundwater and to abate the extracted soil vapors. Cambria notified the Bay Area Air Quality Management District of the test on March 12, 2001.



Monitoring wells MW-3 and MW-4 were tested for approximately 1.5 hours each. The ICE was set to operate at a constant speed, to yield a constant vacuum and air-flow rate. The speed was then adjusted to observe differences in operating conditions and yield of the formation. Throughout the tests, Cambria measured extracted groundwater volume, applied vacuum, air flow, vapor concentration, groundwater drawdown in nearby wells, and vacuum influence in nearby wells. During each test, a groundwater and vapor sample were collected for total purgeable hydrocarbons as gasoline (TPHg), methyl tert-butyl ether (MTBE), benzene, toluene, ethylbenzene, and total xylenes analysis by EPA Method 8260. Groundwater recharge data was also collected from each well at the end of each test.

Groundwater extraction test data is included in Table 1, with the historical purging data. TPHg, benzene, and MTBE concentrations were reported as <1,000, 110, and 4,300 ppb, respectively, for the MW-3 groundwater sample. The test extracted 275 gallons of groundwater from well MW-3, removing an estimated <0.002, 0.0002, and 0.01 pounds of TPHg, benzene, and MTBE respectively, based on concentrations from laboratory analysis of the groundwater sample. Cambria observed 0.12 feet of groundwater drawdown in well MW-4 while extracting from MW-3. TPHg, benzene, and MTBE concentrations were reported as 2,600, 300, and 7,000 ppb, respectively, for the MW-4 groundwater sample. The test extracted 364 gallons of groundwater from well MW-4, removing an estimated 0.008, 0.0009, and 0.021 pounds of TPHg, benzene, and MTBE, respectively. Drawdown was not observed in well MW-3 while extracting from MW-4.

Data collected during the SVE portion of the pilot test is presented in Table 2. TPHg, benzene, and MTBE concentrations were reported as 130, 3.2, and 17 parts per million by volume (ppmv) for the MW-3 vapor sample. Based on the measured air-flow rates and the concentrations detected in this vapor sample, the MW-3 test removed approximately 0.059, 0.001, and 0.008 pounds of TPHg, benzene, and MTBE, respectively. Vacuum influence was not observed in any nearby wells. TPHg, benzene, and MTBE concentrations were reported as 440, 9.4, and 41 ppm for the MW-4 vapor sample. Based on the measured air-flow rates and the concentrations

detected in this vapor sample, the MW-4 test removed approximately 0.133, 0.003, and 0.013 pounds of TPHg, benzene, and MTBE, respectively. Vacuum influence was not observed in any nearby wells. However it is possible that short-circuiting of air flow may have occurred through the adjacent underground storage tank complex or piping trenches. Seasonal variation in groundwater elevations limit well screen availability and the effectiveness of SVE. In addition, due to low inflow vapor concentrations, SVE alone would not directly address the groundwater MTBE plume.



ANTICIPATED SECOND QUARTER 2001 ACTIVITIES

Remedial Activities: The drawdown observed in MW-4 while dewatering MW-3 during the DVE pilot test suggests that groundwater extraction may be effective in gaining hydraulic control of the MTBE plume. Water recovery during the DVE pilot test exhibited a significant increase over the average recovery rate for historical total fluid extraction by vacuum truck operations (TFE VacOps); however it is uncertain whether the difference in water recovery can be attributed to the DVE operations. It is possible that improper methodology was used during past TFE VacOps events resulting in poor water recovery. Proper methodology involves entraining air in the stinger to assist in lifting water out of the well. If no air is allowed to assist in lifting water from the well, a condition known as vapor-lock occurs. In this condition, it appears that water is being removed and vacuum is being applied; however the optimum rate of extraction is not achieved.

Cambria recommends monthly TFE VacOps, with a reevaluation in the fourth quarter of 2001. Cambria will observe TFE VacOps to confirm proper operation.

Groundwater Monitoring: Blaine will measure and remove detected SPH, gauge all wells, sample selected site wells if no SPH are present, measure DO levels, and tabulate the data. Cambria will prepare a monitoring report.

Site Conceptual Model (SCM): Cambria will prepare and submit an SCM, including results of a sensitive receptor survey in the second quarter of 2001.

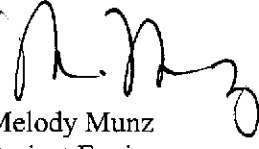
C A M B R I A

Scott Seery
June 14, 2001

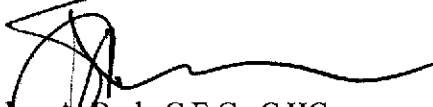
CLOSING

We appreciate the opportunity to work with you on this project. Please call Melody Munz at (510) 420-3324 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc



Melody Munz
Project Engineer



Stephan A. Bork, C.E.G., C.H.G.
Associate Hydrogeologist

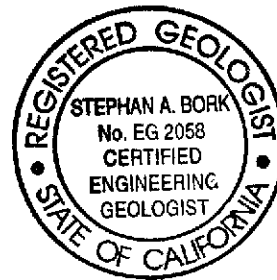


Figure: 1 - Groundwater Elevation Contour Map

Tables: 1 - Groundwater Extraction - Mass Removal Data
2 - Vapor Extraction - Mass Removal Data
3 - Total Recoverable Petroleum Hydrocarbons

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869

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EXPLANATION

MW-1 ◆ Monitoring well location

T-1 □ Tank backfill well

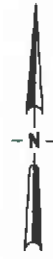
BH-A ⊙ Soil boring, installed 9/93

NA Not available

→ Groundwater flow direction

— XX.XX Groundwater elevation contour, in feet above mean sea level (msl) approximately located; dashed where inferred

Well	Well designation
ELEV	Groundwater elevation, in feet above msl
Benzene MTBE	Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8020; MTBE results in parentheses are analyzed by EPA Method 8260. Date is most recent sampling unless otherwise noted.



FLORIO STREET

commercial properties

residential and commercial properties

approximate 1940 pump island and tank locations

approximate 1957 pump island and tank locations

approximate 1940 and 1957 waste oil tank locations

MW-6
NA
<5.00 - 2/16/01
3.910 - 2/16/01

MW-3
179.47
563
8.960

MW-2
180.69
<0.50 - 2/20/97
<2.5 - 2/20/97

MW-4
180.07
909
(20,300)

MW-5
178.30
<0.500
2.440

CLAREMONT AVENUE

COLLEGE AVENUE

0 25 50
Scale (ft)

FIGURE
1

06/14/01

Shell-branded Service Station
6039 College Avenue
Oakland, California
Incident #98995745



CAMBRIA

Groundwater Elevation Contour Map

February 13, 2001

G:\OAKLAND\039\COLLEGE\FIGURES\10M01-MP.A1

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH			Benzene			MTBE		
					TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE To Date (pounds)
09/22/99	MW-3	115	115	08/31/99	1,550	0.0015	0.0015	232	0.0002	0.0002	4,620	0.0044	0.0044
10/06/99	MW-3	40	155	08/31/99	1,550	0.0005	0.0020	232	0.0001	0.0003	4,620	0.0015	0.0060
10/14/99	MW-3	50	205	08/31/99	1,550	0.0006	0.0027	232	0.0001	0.0004	4,620	0.0019	0.0079
10/18/99	MW-3	30	235	08/31/99	1,550	0.0004	0.0030	232	0.0001	0.0005	4,620	0.0012	0.0091
10/29/99	MW-3	30	265	08/31/99	1,550	0.0004	0.0034	232	0.0001	0.0005	4,620	0.0012	0.0102
11/03/99	MW-3	30	295	08/31/99	1,550	0.0004	0.0038	232	0.0001	0.0006	4,620	0.0012	0.0114
11/10/99	MW-3	30	325	08/31/99	1,550	0.0004	0.0042	232	0.0001	0.0006	4,620	0.0012	0.0125
11/19/99	MW-3	169	494	08/31/99	1,550	0.0022	0.0064	232	0.0003	0.0010	4,620	0.0065	0.0190
11/24/99	MW-3	160	654	08/31/99	1,550	0.0021	0.0085	232	0.0003	0.0013	4,620	0.0062	0.0252
12/02/99	MW-3	200	854	08/31/99	1,550	0.0026	0.0110	232	0.0004	0.0017	4,620	0.0077	0.0329
12/10/99	MW-3	60	914	08/31/99	1,550	0.0008	0.0118	232	0.0001	0.0018	4,620	0.0023	0.0352
12/17/99	MW-3	150	1,064	08/31/99	1,550	0.0019	0.0138	232	0.0003	0.0021	4,620	0.0058	0.0410
01/03/00	MW-3	0	1,064	08/31/99	1,550	0.0000	0.0138	232	0.0000	0.0021	4,620	0.0000	0.0410
01/07/00	MW-3	0	1,064	08/31/99	1,550	0.0000	0.0138	232	0.0000	0.0021	4,620	0.0000	0.0410
01/13/00	MW-3	360	1,424	08/31/99	1,550	0.0047	0.0184	232	0.0007	0.0028	4,620	0.0139	0.0549
01/21/00	MW-3	40	1,464	08/31/99	1,550	0.0005	0.0189	232	0.0001	0.0028	4,620	0.0015	0.0564
01/25/00	MW-3	80	1,544	08/31/99	1,550	0.0010	0.0200	232	0.0002	0.0030	4,620	0.0031	0.0595
02/01/00	MW-3	165	1,709	08/31/99	1,550	0.0021	0.0221	232	0.0003	0.0033	4,620	0.0064	0.0659
02/11/00	MW-3	24	1,733	02/11/00	10,900	0.0022	0.0243	1,030	0.0002	0.0035	19,300	0.0039	0.0697
02/15/00	MW-3	150	1,883	02/11/00	10,900	0.0136	0.0379	1,030	0.0013	0.0048	19,300	0.0242	0.0939
02/23/00	MW-3	100	1,983	02/11/00	10,900	0.0091	0.0470	1,030	0.0009	0.0057	19,300	0.0161	0.1100
03/02/00	MW-3	168	2,151	02/11/00	10,900	0.0153	0.0623	1,030	0.0014	0.0071	19,300	0.0271	0.1371
03/10/00	MW-3	270	2,421	02/11/00	10,900	0.0246	0.0869	1,030	0.0023	0.0094	19,300	0.0435	0.1805
03/15/00	MW-3	96	2,517	02/11/00	10,900	0.0087	0.0956	1,030	0.0008	0.0103	19,300	0.0155	0.1960
03/21/00	MW-3	100	2,617	02/11/00	10,900	0.0091	0.1047	1,030	0.0009	0.0111	19,300	0.0161	0.2121
03/27/00	MW-3	100	2,717	02/11/00	10,900	0.0091	0.1138	1,030	0.0009	0.0120	19,300	0.0161	0.2282
04/07/00	MW-3	160	2,877	02/11/00	10,900	0.0146	0.1283	1,030	0.0014	0.0133	19,300	0.0258	0.2540
04/13/00	MW-3	120	2,997	02/11/00	10,900	0.0109	0.1393	1,030	0.0010	0.0144	19,300	0.0193	0.2733

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, California

Date Purged	Well ID	Cumulative			TPPH			Benzene			MTBE			
		Volume Pumped (gal)	Volume Pumped (gal)	Date Sampled	TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)	
04/18/00	MW-3	180	3,177	02/11/00	10,900	0.0164	0.1556	1,030	0.0015	0.0159	19,300	0.0290	0.3023	
04/26/00	MW-3	225	3,402	02/11/00	10,900	0.0205	0.1761	1,030	0.0019	0.0179	19,300	0.0362	0.3385	
05/04/00	MW-3	160	3,562	02/11/00	10,900	0.0146	0.1906	1,030	0.0014	0.0192	19,300	0.0258	0.3643	
05/09/00	MW-3	180	3,742	02/11/00	10,900	0.0164	0.2070	1,030	0.0015	0.0208	19,300	0.0290	0.3933	
05/17/00	MW-3	138	3,880	02/11/00	10,900	0.0126	0.2196	1,030	0.0012	0.0220	19,300	0.0222	0.4155	
05/22/00	MW-3	200	4,080	02/11/00	10,900	0.0182	0.2378	1,030	0.0017	0.0237	19,300	0.0322	0.4477	
06/01/00	MW-3	120	4,200	02/11/00	10,900	0.0109	0.2487	1,030	0.0010	0.0247	19,300	0.0193	0.4670	
06/08/00	MW-3	170	4,370	02/11/00	10,900	0.0155	0.2641	1,030	0.0015	0.0262	19,300	0.0274	0.4944	
03/15/01	MW-3	Dual-phase Vacuum Extraction (DVE) Pilot Test using a RSI V3 Internal Combustion Engine with a Bioslurp tank												
10:00	RPM=2000	0	0	GPM	<1000	0.0000	0.2641	110	0.0000	0.02618	4,300	0.00000	0.49443	
10:10		55	55	5.50	<1000	0.0005	0.2646	110	0.0001	0.02623	4,300	0.00197	0.49640	
10:15		18	73	3.60	<1000	0.0002	0.2647	110	0.0000	0.02625	4,300	0.00065	0.49705	
10:20		32	105	6.40	<1000	0.0003	0.2650	110	0.0000	0.02628	4,300	0.00115	0.49819	
10:25					<1000		0.2650	110		0.02628	4,300		0.49819	
10:40		25	130	1.67	<1000	0.0002	0.2652	110	0.0000	0.02630	4,300	0.00090	0.49909	
10:55		35	165	2.33	<1000	0.0003	0.2655	110	0.0000	0.02633	4,300	0.00126	0.50035	
11:10		45	210	3.00	<1000	0.0004	0.2659	110	0.0000	0.02637	4,300	0.00161	0.50196	
11:15	RPM=1500	25	235	5.00	<1000	0.0002	0.2661	110	0.0000	0.02639	4,300	0.00090	0.50286	
11:45		40	275	1.33	<1000	0.0003	0.2664	110	0.0000	0.02643	4,300	0.00144	0.50429	

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Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH			Benzene			MTBE		
					TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE To Date (pounds)
09/22/99	MW-4	100	100	11/03/97	32,000	0.0267	0.0267	1,100	0.0009	0.0009	78,000	0.0651	0.0651
10/06/99	MW-4	60	160	11/03/97	32,000	0.0160	0.0427	1,100	0.0006	0.0015	78,000	0.0391	0.1041
10/14/99	MW-4	30	190	11/03/97	32,000	0.0080	0.0507	1,100	0.0003	0.0017	78,000	0.0195	0.1237
10/18/99	MW-4	30	220	11/03/97	32,000	0.0080	0.0587	1,100	0.0003	0.0020	78,000	0.0195	0.1432
10/29/99	MW-4	30	250	11/03/97	32,000	0.0080	0.0668	1,100	0.0003	0.0023	78,000	0.0195	0.1627
11/03/99	MW-4	30	280	11/03/97	32,000	0.0080	0.0748	1,100	0.0003	0.0026	78,000	0.0195	0.1822
11/10/99	MW-4	30	310	11/03/97	32,000	0.0080	0.0828	1,100	0.0003	0.0028	78,000	0.0195	0.2018
11/19/99	MW-4	0	310	11/03/97	32,000	0.0000	0.0828	1,100	0.0000	0.0028	78,000	0.0000	0.2018
11/24/99	MW-4	0	310	11/03/97	32,000	0.0000	0.0828	1,100	0.0000	0.0028	78,000	0.0000	0.2018
12/02/99	MW-4	0	310	11/03/97	32,000	0.0000	0.0828	1,100	0.0000	0.0028	78,000	0.0000	0.2018
12/10/99	MW-4	0	310	11/03/97	32,000	0.0000	0.0828	1,100	0.0000	0.0028	78,000	0.0000	0.2018
12/17/99	MW-4	0	310	11/03/97	32,000	0.0000	0.0828	1,100	0.0000	0.0028	78,000	0.0000	0.2018
01/03/00	MW-4	0	310	11/03/97	32,000	0.0000	0.0828	1,100	0.0000	0.0028	78,000	0.0000	0.2018
01/07/00	MW-4	0	310	11/03/97	32,000	0.0000	0.0828	1,100	0.0000	0.0028	78,000	0.0000	0.2018
01/13/00	MW-4	350	660	11/03/97	32,000	0.0935	0.1762	1,100	0.0032	0.0061	78,000	0.2278	0.4296
01/21/00	MW-4	40	700	11/03/97	32,000	0.0107	0.1869	1,100	0.0004	0.0064	78,000	0.0260	0.4556
01/25/00	MW-4	100	800	11/03/97	32,000	0.0267	0.2136	1,100	0.0009	0.0073	78,000	0.0651	0.5207
02/01/00	MW-4	165	965	11/03/97	32,000	0.0441	0.2577	1,100	0.0015	0.0089	78,000	0.1074	0.6281
02/11/00	MW-4	19	984	02/11/00	47,200	0.0075	0.2652	905	0.0001	0.0090	27,400	0.0043	0.6324
02/15/00	MW-4	100	1,084	02/11/00	47,200	0.0394	0.3045	905	0.0008	0.0098	27,400	0.0229	0.6553
02/23/00	MW-4	100	1,184	02/11/00	47,200	0.0394	0.3439	905	0.0008	0.0105	27,400	0.0229	0.6782
03/02/00	MW-4	270	1,454	02/11/00	47,200	0.1063	0.4503	905	0.0020	0.0126	27,400	0.0617	0.7399
03/10/00	MW-4	220	1,674	02/11/00	47,200	0.0866	0.5369	905	0.0017	0.0142	27,400	0.0503	0.7902
03/15/00	MW-4	96	1,770	02/11/00	47,200	0.0378	0.5747	905	0.0007	0.0149	27,400	0.0219	0.8121
03/21/00	MW-4	100	1,870	02/11/00	47,200	0.0394	0.6141	905	0.0008	0.0157	27,400	0.0229	0.8350
03/27/00	MW-4	100	1,970	02/11/00	47,200	0.0394	0.6535	905	0.0008	0.0164	27,400	0.0229	0.8579
04/07/00	MW-4	113	2,083	02/11/00	47,200	0.0445	0.6980	905	0.0009	0.0173	27,400	0.0258	0.8837
04/13/00	MW-4	110	2,193	02/11/00	47,200	0.0433	0.7413	905	0.0008	0.0181	27,400	0.0251	0.9088

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					TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE To Date (pounds)
04/18/00	MW-4	225	2,418	02/11/00	47,200	0.0886	0.8299	905	0.0017	0.0198	27,400	0.0514	0.9603
04/26/00	MW-4	315	2,733	02/11/00	47,200	0.1241	0.9540	905	0.0024	0.0222	27,400	0.0720	1.032
05/04/00	MW-4	150	2,883	02/11/00	47,200	0.0591	1.013	905	0.0011	0.0233	27,400	0.0343	1.067
05/09/00	MW-4	315	3,198	02/11/00	47,200	0.1241	1.137	905	0.0024	0.0257	27,400	0.0720	1.139
05/17/00	MW-4	270	3,468	02/11/00	47,200	0.1063	1.243	905	0.0020	0.0278	27,400	0.0617	1.200
05/22/00	MW-4	200	3,668	02/11/00	47,200	0.0788	1.322	905	0.0015	0.0293	27,400	0.0457	1.246
06/05/00	MW-4	125	3,793	02/11/00	47,200	0.0492	1.371	905	0.0009	0.0302	27,400	0.0286	1.275
06/08/00	MW-4	170	3,963	02/11/00	47,200	0.0670	1.438	905	0.0013	0.0315	27,400	0.0389	1.314
03/15/01	MW-4	Dual-phase Vacuum Extraction (DVE) Pilot Test using a RSI V3 Internal Combustion Engine with a Bioslurp tank											
14:00	RPM=2000	0	0	GPM	2,600	0.0000	1.438	300	0.0000	0.0315	7,000	0.0000	1.314
14:15		51	51	3.40	2,600	0.0011	1.440	300	0.0001	0.0316	7,000	0.0030	1.317
14:30		39	90	2.60	2,600	0.0008	1.440	300	0.0001	0.0317	7,000	0.0023	1.319
14:35	*	91	181	18.20	2,600	0.0020	1.442	300	0.0002	0.0320	7,000	0.0053	1.324
14:40					2,600		1.442	300		0.0320	7,000		1.324
14:45		37	218	7.40	2,600	0.0008	1.443	300	0.0001	0.0320	7,000	0.0022	1.326
15:00		36	254	2.40	2,600	0.0008	1.444	300	0.0001	0.0321	7,000	0.0021	1.328
15:15		57	311	3.80	2,600	0.0012	1.445	300	0.0001	0.0323	7,000	0.0033	1.332
15:30		53	364	3.53	2,600	0.0011	1.446	300	0.0001	0.0324	7,000	0.0031	1.335
03/15/01	MW-4	640	4,967	03/15/01	2,600	0.0139	1.460	300	0.0016	0.0340	7,000	0.0374	1.372
Total Gallons Extracted:			9,612	Total Pounds Removed:			1.727	Total Pounds Removed:			0.0604	1.876	
				Total Gallons Removed:			0.2831				0.0083	0.3027	

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH			Benzene			MTBE		
					TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)

Abbreviations & Notes:

TPPH = Total purgeable hydrocarbons as gasoline

MtBE = Methyl tert-butyl ether

µg/L = Micrograms per liter

ppb = Parts per billion, equivalent to µg/L

L = Liter

gal = Gallon

g = Gram

* = Groundwater sample collected for laboratory analysis

Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x (g/10⁶µg) x (pound/453.6g) x (3.785 L/gal) - assumes measured laboratory analysis values apply throughout the duration of event

Volume removal data based on the formula: density (in gms/cc) x 9.339 (ccxlbs/gmsxgals)

TPPH, benzene analyzed by EPA Method 8015/8020

MTBE analyzed by EPA Method 8260 in bold font, all other MTBE analyzed by EPA Method 8020

Concentrations based on most recent groundwater monitoring results

Groundwater extracted by vacuum trucks provided by ACTI between September 22, 1999 and November 10, 1999, and by Blaine Tech Services thereafter. Water disposed of at a Martinez refinery.

Table 2: Vapor Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, California

Date	Well ID	Interval Hours of Operation (hours)	System Flow Rate (CFM)	Horiba VOA (ppm)	Hydrocarbon Concentrations			TPHg		Benzene		MTBE	
					TPHg	Benzene	MTBE	TPHg Removal Rate (#/hour)	Cumulative TPHg Removed (#)	Benzene Removal Rate (#/hour)	Cumulative Benzene Removed (#)	MTBE Removal Rate (#/hour)	Cumulative MTBE Removed (#)
03/15/01	MW-3	Dual-phase Vacuum Extraction (DVE) Pilot Test using a RSI V3 Internal Combustion Engine with a Bioslurp Tank											
10:00	RPM=2000	0.00	0		130	3.2	17	0.000	0.000	0.000	0.000	0.000	0.000
10:10		0.17	9		130	3.2	17	0.016	0.003	0.000	0.000	0.002	0.000
10:15	*	0.083	12	274	130	3.2	17	0.021	0.004	0.000	0.000	0.003	0.001
10:20		0.083	15	363	130	3.2	17	0.026	0.007	0.001	0.000	0.003	0.001
10:25		0.083	15		130	3.2	17	0.026	0.009	0.001	0.000	0.003	0.001
10:40		0.25	15	440	130	3.2	17	0.026	0.015	0.001	0.000	0.003	0.002
10:55		0.25	16	401	130	3.2	17	0.028	0.022	0.001	0.000	0.004	0.003
11:10		0.25	16	319	130	3.2	17	0.028	0.029	0.001	0.001	0.004	0.004
11:15	RPM=1500	0.083	30	250	130	3.2	17	0.052	0.033	0.001	0.001	0.007	0.004
11:45		0.50	29	325	130	3.2	17	0.050	0.059	0.001	0.001	0.007	0.008
3/15/01	MW-4	Dual-phase Vacuum Extraction (DVE) Pilot Test using a RSI V3 Internal Combustion Engine with a Bioslurp Tank											
14:00	RPM=2000	0.00	0		440	9.4	41	0.000	0.000	0.000	0.000	0.000	0.000
14:15		0.25	0		440	9.4	41	0.000	0.000	0.000	0.000	0.000	0.000
14:30		0.25	8	355	440	9.4	41	0.047	0.012	0.001	0.000	0.004	0.001
14:35	*	0.083	20	1007	440	9.4	41	0.118	0.022	0.002	0.000	0.011	0.002
14:40		0.083	27	957	440	9.4	41	0.159	0.035	0.003	0.001	0.015	0.003
14:45		0.083	20	753	440	9.4	41	0.118	0.044	0.002	0.001	0.011	0.004
15:00		0.25	19	1047	440	9.4	41	0.112	0.072	0.002	0.001	0.011	0.007
15:15		0.25	21	1029	440	9.4	41	0.124	0.103	0.002	0.002	0.012	0.010
15:30		0.25	20	812	440	9.4	41	0.118	0.133	0.002	0.003	0.011	0.013
Total Pounds Removed:								TPHg =	0.191	Benzene =	0.004	MTBE =	0.020

Table 2: Vapor Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, California

Date	Well ID	Interval Operation (hours)	System Flow Rate (CFM)	Horiba VOA (ppm)	Hydrocarbon Concentrations			TPHg		Benzene		MTBE	
					TPHg	Benzene	MTBE	TPHg Removal Rate (#/hour)	Cumulative TPHg Removed (#)	Benzene Removal Rate (#/hour)	Cumulative Benzene Removed (#)	MTBE Removal Rate (#/hour)	Cumulative MTBE Removed (#)

Abbreviations and Notes:

CFM = Cubic feet per minute

TPHg = Total petroleum hydrocarbons as gasoline (C6-C12) by modified EPA Method 8015 in 1 liter tedlar bag samples

ppmv = Parts per million by volume

= Pounds

* = Vapor sample collected for laboratory analysis

NA = Not available

TPHG, Benzene, and MTBE analyzed by EPA Method 8015/8020 in 1 liter tedlar bag samples

TPHg / Benzene / MTBE removal rate = Rate based on Bay Area Air Quality Management District's Manual of Procedures for Soil Vapor Extraction dated July 17, 1991.

(Rate = Concentration (ppmv) x system flow rate (cfm) x (1lb-mole/386ft3) x molecular weight (86 lb/lb-mole for TPHg, 78 lb/lb-mole for benzene, 88 lb/lb-mole for MTBE) x 60 min/hour x 1/1,000,000) - Assumes measured laboratory analysis values apply throughout the duration of event

Cumulative TPHg / Benzene / MTBE removal = Previous removal rate multiplied by the hour-interval of operation plus the previous total

Table 3: Total Recoverable Petroleum Hydrocarbons
 Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, California

Date Sampled	Reporting Limit (mg/L)	MW-3 TRPH Concentration (mg/L)	MW-4 TRPH Concentration (mg/L)
2/13/01	5.0	ND	13.3
2/11/00	5.0	11.7	178
8/5/99	5.0	ND	NR
2/11/99	5.0	ND	NR
1/20/98	5.0	ND	NR
8/18/97	5.0	NR	67
5/30/97	5.0	NR	8.1
2/20/97	5.0	NR	8.7
12/5/96	5.0	6.1	NR
8/19/96	5.0	9.2	NR

Abbreviations & Notes:

TRPH = Total recoverable petroleum hydrocarbons
 ND = Analyte NOT DETECTED at or above the reporting limit
 NR = Not reported

ATTACHMENT A
Blaine Groundwater Monitoring Report
and Field Notes

BLAINE
TECH SERVICES, INC.



1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
www.blainetech.com

March 20, 2001

Karen Petryna
Equiva Services LLC
P.O. Box 7869
Burbank, CA 91510-7869

First Quarter 2001 Groundwater Monitoring at
Shell-branded Service Station
6039 College Avenue
Oakland, CA

Monitoring performed on February 13 and 16, 2001

Groundwater Monitoring Report **010216-Y-2**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, appropriate calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

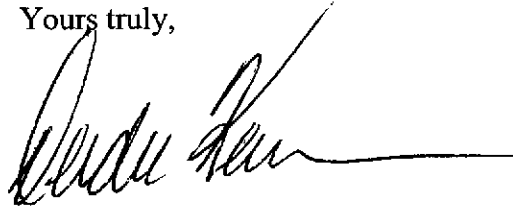
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

A handwritten signature in black ink, appearing to read "Deidre Kerwin", with a long horizontal flourish extending to the right.

Deidre Kerwin
Operations Manager

DK/jt

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Anni Kreml
Cambria Environmental Technologies, Inc.
1144 65th Street, Suite C
Oakland, CA 94608

WELL CONCENTRATIONS
Shell-branded Service Station
6039 College Avenue
Oakland, CA
Wic #204-5508-3301

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
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MW-1	02/15/1990	95	650	ND	0.67	0.37	3.2	NA	NA	195.89	17.73	NA	178.16	NA	NA
MW-1	04/19/1990	NA	NA	NA	NA	NA	NA	NA	NA	195.89	18.51	NA	177.38	NA	NA
MW-1	05/14/1990	95	ND	0.7	0.57	0.71	3.5	NA	NA	195.89	18.92	NA	176.97	NA	NA
MW-1	06/21/1990	NA	NA	NA	NA	NA	NA	NA	NA	195.89	18.21	NA	177.68	NA	NA
MW-1	09/12/1990	ND	84	ND	ND	ND	ND	NA	NA	195.89	19.81	NA	176.08	NA	NA
MW-1	11/27/1990	NA	NA	NA	NA	NA	NA	NA	NA	195.89	20.39	NA	175.50	NA	NA
MW-1	03/08/1991	ND	50	ND	ND	ND	ND	NA	NA	195.89	16.85	NA	179.04	NA	NA
MW-1	06/03/1991	ND	ND	ND	ND	ND	ND	NA	NA	195.89	17.82	NA	178.07	NA	NA
MW-1	08/30/1991	16.85	520	ND	ND	ND	ND	NA	NA	195.89	19.87	NA	176.02	NA	NA
MW-1	11/22/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	20.58	NA	175.31	NA	NA
MW-1	03/18/1992	<30	<50	<0.3	<0.3	<0.3	<0.3	NA	NA	195.89	13.55	NA	182.34	NA	NA
MW-1	05/28/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	17.08	NA	178.81	NA	NA
MW-1	08/19/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	19.07	NA	176.82	NA	NA
MW-1	11/17/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	20.11	NA	175.78	NA	NA
MW-1	02/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	12.10	NA	183.79	NA	NA
MW-1	06/10/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	14.87	NA	181.02	NA	NA
MW-1	08/18/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	16.90	NA	178.99	NA	NA
MW-1	11/19/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	19.72	NA	176.17	NA	NA
MW-1	02/28/1994	<50	NA	<0.5	<0.5	<0.5	1.7	NA	NA	195.89	15.08	NA	180.81	NA	NA
MW-1	05/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	17.20	NA	178.69	NA	NA
MW-1	08/10/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	18.76	NA	177.13	NA	NA
MW-1	11/08/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	16.00	NA	179.89	NA	NA
MW-1	02/01/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	10.18	NA	185.71	NA	NA
MW-1	05/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	11.88	NA	184.01	NA	NA
MW-1	08/24/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	15.60	NA	180.29	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
6039 College Avenue
Oakland, CA
Wic #204-5508-3301

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
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MW-1	11/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	18.24	NA	177.65	NA	NA
MW-1	02/24/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	9.88	NA	186.01	NA	NA
MW-1	05/22/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	195.89	12.24	NA	183.65	NA	NA
MW-1	08/19/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	195.89	15.86	NA	180.03	NA	NA
MW-1	12/05/1996	160	NA	7.3	8.2	5.5	23	<2.5	NA	195.89	16.21	NA	179.68	NA	NA
MW-1	01/08/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	195.89	9.73	NA	186.16	NA	NA
MW-1	02/20/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	195.89	11.60	NA	184.29	NA	NA
MW-1	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	195.89	15.02	NA	180.87	NA	NA
MW-1	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	195.89	17.20	NA	178.69	NA	NA
MW-1	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	195.89	16.02	NA	179.87	NA	NA
MW-1	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	195.89	9.35	NA	186.54	NA	NA
MW-1	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	195.89	11.75	NA	184.14	NA	NA
MW-1	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	195.89	13.32	NA	182.57	NA	NA
MW-1	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	195.89	14.01	NA	181.88	NA	NA
MW-1	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	195.89	15.62	NA	180.27	NA	NA
MW-1	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	195.89	14.72	NA	181.17	NA	NA
MW-1	08/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	195.89	17.00	NA	178.89	NA	NA
MW-1	12/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	195.89	18.36	NA	177.53	NA	NA
MW-1	02/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	195.89	15.09	NA	180.80	NA	NA
MW-1	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	195.89	12.97	NA	182.92	NA	NA
MW-1	08/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	195.89	15.02	NA	180.87	NA	NA
MW-1	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	195.89	12.90	NA	182.99	NA	NA
MW-1	02/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	195.89	14.28	NA	181.61	NA	NA

MW-2	02/15/1990	ND	560	ND	ND	ND	ND	NA	NA	194.27	16.90	NA	177.37	NA	NA
MW-2	04/19/1990	NA	NA	NA	NA	NA	NA	NA	NA	194.27	17.69	NA	176.58	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
6039 College Avenue
Oakland, CA
Wic #204-5508-3301

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
MW-2	05/14/1990	ND	ND	ND	ND	ND	ND	NA	NA	194.27	18.01	NA	176.26	NA	NA
MW-2	06/21/1990	NA	NA	NA	NA	NA	NA	NA	NA	194.27	17.39	NA	176.88	NA	NA
MW-2	09/12/1990	ND	ND	ND	ND	ND	ND	NA	NA	194.27	19.00	NA	175.27	NA	NA
MW-2	11/27/1990	ND	ND	ND	ND	ND	ND	NA	NA	194.27	19.44	NA	174.83	NA	NA
MW-2	03/08/1991	ND	ND	ND	ND	ND	ND	NA	NA	194.27	15.96	NA	178.31	NA	NA
MW-2	06/03/1991	ND	ND	ND	ND	ND	ND	NA	NA	194.27	17.00	NA	177.27	NA	NA
MW-2	08/30/1991	ND	ND	ND	ND	ND	ND	NA	NA	194.27	18.95	NA	175.32	NA	NA
MW-2	11/22/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	19.55	NA	174.72	NA	NA
MW-2	03/18/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	194.27	12.91	NA	181.36	NA	NA
MW-2	05/28/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	16.25	NA	178.02	NA	NA
MW-2	08/19/1992	<50	NA	<0.5	2	1.2	1.9	NA	NA	194.27	18.21	NA	176.06	NA	NA
MW-2	11/17/1992	<50	NA	<0.5	2	1.2	1.9	NA	NA	194.27	19.15	NA	175.12	NA	NA
MW-2	02/12/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	11.60	NA	182.67	NA	NA
MW-2	06/10/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	14.14	NA	180.13	NA	NA
MW-2	08/18/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	16.10	NA	178.17	NA	NA
MW-2	11/19/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	18.77	NA	175.50	NA	NA
MW-2	02/28/1994	<50	NA	<0.5	<0.5	<0.5	1.6	NA	NA	194.27	14.35	NA	179.92	NA	NA
MW-2	05/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	16.34	NA	177.93	NA	NA
MW-2	08/10/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	15.79	NA	178.48	NA	NA
MW-2	11/08/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	15.04	NA	179.23	NA	NA
MW-2	02/01/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	10.08	NA	184.19	NA	NA
MW-2	05/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	11.68	NA	182.59	NA	NA
MW-2	08/24/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	14.94	NA	179.33	NA	NA
MW-2	11/10/1995	<50	NA	1.7	0.8	1.4	4.9	NA	NA	194.27	13.36	NA	180.91	NA	NA
MW-2	02/24/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	9.90	NA	184.37	NA	NA
MW-2	05/22/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	194.27	11.80	NA	182.47	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
6039 College Avenue
Oakland, CA
Wic #204-5508-3301

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
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MW-2	08/19/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	194.27	15.08	NA	179.19	NA	NA
MW-2	12/05/1996	<50	NA	1.5	1.6	1.2	5.2	<2.5	NA	194.27	15.16	NA	179.11	NA	NA
MW-2	01/08/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	194.27	9.76	NA	184.51	NA	NA
MW-2	02/20/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	194.27	11.47	NA	182.80	NA	NA
MW-2	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	194.27	14.30	NA	179.97	NA	NA
MW-2	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	194.27	16.33	NA	177.94	NA	NA
MW-2	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	194.27	15.54	NA	178.73	NA	NA
MW-2	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	194.27	9.43	NA	184.84	NA	NA
MW-2	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	194.27	11.45	NA	182.82	NA	NA
MW-2	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	194.27	12.71	NA	181.56	NA	NA
MW-2	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	194.27	13.98	NA	180.29	NA	NA
MW-2	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	194.27	15.01	NA	179.26	NA	NA
MW-2	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	194.27	13.93	NA	180.34	NA	NA
MW-2	08/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	194.27	16.22	NA	178.05	NA	NA
MW-2	12/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	194.27	17.58	NA	176.69	NA	NA
MW-2	02/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	194.27	14.10	NA	180.17	NA	NA
MW-2	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	194.27	12.72	NA	181.55	NA	NA
MW-2	08/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	194.27	14.39	NA	179.88	NA	NA
MW-2	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	194.27	17.00	NA	177.27	NA	NA
MW-2	02/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	194.27	13.58	NA	180.69	NA	NA

MW-3	02/15/1990	4,700	3,100	320	29	110	33	NA	NA	192.52	15.81	NA	176.71	NA	NA
MW-3	04/19/1990	NA	NA	NA	NA	NA	NA	NA	NA	192.52	16.57	NA	175.95	NA	NA
MW-3	05/14/1990	1,400	60	130	8.6	40	17	NA	NA	192.52	16.97	NA	175.55	NA	NA
MW-3	06/21/1990	NA	NA	NA	NA	NA	NA	NA	NA	192.52	16.27	NA	176.25	NA	NA
MW-3	09/12/1990	2,000	1,500	58	5.8	16	15	NA	NA	192.52	18.78	NA	173.74	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
6039 College Avenue
Oakland, CA
Wic #204-5508-3301

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
MW-3	11/27/1990	540	240	18	1.5	8.7	2.5	NA	NA	192.52	18.27	NA	174.25	NA	NA
MW-3	03/08/1991	3,400	2,100	630	33	270	18	NA	NA	192.52	14.86	NA	177.66	NA	NA
MW-3	06/03/1991	1,700	690a	260	13	98	24	NA	NA	192.52	15.84	NA	176.68	NA	NA
MW-3	08/30/1991	870	370a	44	6.1	10	2.9	NA	NA	192.52	17.79	NA	174.73	NA	NA
MW-3	11/22/1991	310	140	18	1.2	3.3	2.9	NA	NA	192.52	18.40	NA	174.12	NA	NA
MW-3	03/18/1992	67,100	1,900	620	28	220	38	NA	NA	192.52	12.03	NA	180.49	NA	NA
MW-3	05/28/1992	2,300	1,100a	200	9	71	17	NA	NA	192.52	15.16	NA	177.36	NA	NA
MW-3	08/19/1992	5,700	1,000a	71	77	52	130	NA	NA	192.52	17.03	NA	175.49	NA	NA
MW-3	11/17/1992	3,600	160a	16	8.6	24	50	NA	NA	192.52	17.94	NA	174.58	NA	NA
MW-3	02/12/1993	4,700	560a	820	58	130	77	NA	NA	192.52	9.16	NA	183.36	NA	NA
MW-3	06/10/1993	2,200	NA	310	23	89	23	NA	NA	192.52	13.20	NA	179.32	NA	NA
MW-3	08/18/1993	260	NA	27	2	7	2.2	NA	NA	192.52	14.93	NA	177.59	NA	NA
MW-3	11/19/1993	1,500a	NA	24	54	37	17	NA	NA	192.52	17.58	NA	174.94	NA	NA
MW-3	02/28/1994	2,700	NA	65	5.2	16	6.3	NA	NA	192.52	13.30	NA	179.22	NA	NA
MW-3	05/04/1994	780	NA	120	7.5	21	6.9	NA	NA	192.52	15.25	NA	177.27	NA	NA
MW-3	08/10/1994	920	NA	20	2.3	3	2.2	NA	NA	192.52	16.63	NA	175.89	NA	NA
MW-3	11/08/1994	1,300	NA	180	16	7	12	NA	NA	192.52	13.88	NA	178.64	NA	NA
MW-3	02/01/1995	1,400	NA	210	8.5	11	8.7	NA	NA	192.52	9.25	NA	183.27	NA	NA
MW-3	05/10/1995	460	NA	97	10	1	19	NA	NA	192.52	10.76	NA	181.74	NA	NA
MW-3	08/24/1995	640	NA	68	21	14	19	NA	NA	192.52	13.90	NA	178.62	NA	NA
MW-3	11/10/1995	350	NA	15	2.3	1.2	2.5	NA	NA	192.52	16.20	NA	176.32	NA	NA
MW-3	02/24/1996	3,300	NA	240	53	38	55	NA	NA	192.52	8.93	NA	183.59	NA	NA
MW-3	05/22/1996	1,300	NA	110	15	<10	<10	3,500	NA	192.52	10.86	NA	181.66	NA	NA
MW-3	08/19/1996	350	NA	15	3.3	3.4	3.3	340	NA	192.52	13.97	NA	178.55	NA	NA
MW-3	12/05/1996	290	NA	12	7.6	5.4	16	370	NA	192.52	14.06	NA	178.46	NA	NA
MW-3	02/20/1997	980	NA	69	7.9	14	15	3,200	NA	192.52	10.60	NA	181.92	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
6039 College Avenue
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Wic #204-5508-3301

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
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MW-3	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	192.52	13.26	NA	179.26	NA	NA
MW-3	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	192.52	15.21	NA	177.31	NA	NA
MW-3	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	192.52	14.49	NA	178.03	NA	NA
MW-3	01/20/1998	3,100	NA	360	1,000	73	420	59,000	NA	192.52	8.43	NA	184.09	NA	NA
MW-3	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	192.52	10.55	NA	181.97	NA	NA
MW-3	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	192.52	11.80	NA	180.72	NA	NA
MW-3	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	192.52	11.97	NA	180.55	NA	NA
MW-3	02/03/1999	<10,000	NA	840	131	<100	316	27,600	NA	192.52	13.55	NA	178.97	NA	2.3
MW-3	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	192.52	12.90	NA	179.62	NA	NA
MW-3	08/31/1999	1,550	NA	232	<10.0	125	293	4,620	2,460b	192.52	14.99	NA	177.53	NA	3.4
MW-3	12/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	192.52	16.35	NA	176.17	NA	NA
MW-3	02/11/2000	10,900	NA	1,030	<50.0	308	1,000	19,300	NA	192.52	12.85	NA	179.67	NA	1.0
MW-3	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	192.52	17.05	NA	175.47	NA	NA
MW-3	08/31/2000	2,560	NA	165	7.19	77.6	183	4,090	NA	192.52	14.26	NA	178.26	NA	c
MW-3	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	192.52	15.75	NA	176.77	NA	NA
MW-3	02/13/2001	5,880	NA	563	<50.0	282	472	8,960	NA	192.52	13.05	NA	179.47	NA	3.6

MW-4	02/15/1990	ND	1,200	ND	ND	ND	ND	NA	NA	193.37	16.73	NA	176.65	NA	NA
MW-4	04/19/1990	NA	NA	NA	NA	NA	NA	NA	NA	193.37	17.48	NA	175.89	NA	NA
MW-4	05/14/1990	650	350	160	7	1.9	3.1	NA	NA	193.37	17.88	NA	175.49	NA	NA
MW-4	06/21/1990	NA	NA	NA	NA	NA	NA	NA	NA	193.37	17.18	NA	176.19	NA	NA
MW-4	09/12/1990	440	260	91	1.1	0.75	0.79	NA	NA	193.37	17.85	NA	175.52	NA	NA
MW-4	11/27/1990	470	2,400	64	1.2	0.8	2.7	NA	NA	193.37	19.16	NA	174.21	NA	NA
MW-4	03/08/1991	1,100	2,600	330	3.5	88	5.8	NA	NA	193.37	15.77	NA	177.60	NA	NA
MW-4	06/03/1991	670	1,100	240	2.3	1.6	2.3	NA	NA	193.37	16.77	NA	176.60	NA	NA
MW-4	08/30/1991	570	280	64	1.8	0.9	0.9	NA	NA	193.37	18.71	NA	174.66	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
6039 College Avenue
Oakland, CA
Wic #204-5508-3301

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
MW-4	11/22/1991	NA	NA	NA	NA	NA	NA	NA	NA	193.37	NA	NA	NA	NA	NA
MW-4	01/15/1992	NA	NA	NA	NA	NA	NA	NA	NA	193.37	NA	NA	NA	NA	NA
MW-4	02/15/1992	NA	NA	NA	NA	NA	NA	NA	NA	193.37	NA	NA	NA	NA	NA
MW-4	03/18/1992	NA	NA	NA	NA	NA	NA	NA	NA	193.37	13.15	NA	180.41	0.24	NA
MW-4	04/29/1992	NA	NA	NA	NA	NA	NA	NA	NA	193.37	NA	NA	NA	NA	NA
MW-4	05/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	193.37	16.22	NA	177.25	0.12	NA
MW-4	08/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	193.37	18.05	NA	175.39	0.09	NA
MW-4	11/17/1992	NA	NA	NA	NA	NA	NA	NA	NA	193.37	18.89	NA	174.48	NA	NA
MW-4	02/12/1993	NA	NA	NA	NA	NA	NA	NA	NA	193.37	11.78	NA	181.59	<0.01	NA
MW-4	06/10/1993	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.20	NA	179.17	0.02	NA
MW-4	08/18/1993	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.95	NA	177.43	0.01	NA
MW-4	11/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	193.37	18.48	NA	174.90	0.01	NA
MW-4	02/28/1994	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.60	NA	178.77	0.01	NA
MW-4	05/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	193.37	16.15	NA	177.22	<0.01	NA
MW-4	08/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	193.37	17.58	NA	175.81	0.02	NA
MW-4	11/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.05	NA	178.36	0.05	NA
MW-4	02/01/1995	NA	NA	NA	NA	NA	NA	NA	NA	193.37	10.71	NA	182.69	0.04	NA
MW-4	05/10/1995	NA	NA	NA	NA	NA	NA	NA	NA	193.37	11.90	NA	181.52	0.06	NA
MW-4	08/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.97	NA	178.42	0.02	NA
MW-4	11/10/1995	4,700	NA	100	22	23	38	NA	NA	193.37	17.27	NA	176.10	<0.01	NA
MW-4	02/24/1996	NA	NA	NA	NA	NA	NA	NA	NA	193.37	10.44	NA	182.95	0.03	NA
MW-4	05/22/1996	NA	NA	NA	NA	NA	NA	NA	NA	193.37	11.88	NA	181.51	0.03	NA
MW-4	08/19/1996	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.23	NA	178.16	0.02	NA
MW-4	12/05/1996	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.70	NA	178.69	0.02	NA
MW-4	01/08/1997	<10,000	NA	<100	<100	<100	<100	24,000	NA	193.37	11.60	NA	181.79	0.02	NA
MW-4	02/20/1997	<10,000	NA	490	<100	<100	<100	59,000	NA	193.37	11.91	NA	181.46	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
6039 College Avenue
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Wic #204-5508-3301

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
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MW-4	05/30/1997	<2,000	NA	72	<20	<20	<20	6,100	NA	193.37	14.68	NA	178.69	NA	NA
MW-4	08/18/1997	<5,000	NA	150	570	<50	130	31,000	NA	193.37	15.07	NA	178.30	NA	NA
MW-4	11/03/1997	32,000	NA	1,100	6,100	640	3,600	78,000	NA	193.37	15.87	NA	177.50	NA	NA
MW-4	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	193.37	10.25	NA	183.62	0.62	NA
MW-4	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	193.37	11.62	NA	181.80	0.06	NA
MW-4	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	193.37	13.93	NA	179.51	0.09	NA
MW-4	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.07	14.03	179.33	0.04	NA
MW-4	12/09/1998	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.84	15.81	177.55	0.03	NA
MW-4	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.58	15.55	177.81	0.03	NA
MW-4	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.04	14.02	179.35	0.02	NA
MW-4	08/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	193.37	16.15	16.12	177.24	0.03	NA
MW-4	12/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	193.37	17.41	17.31	176.04	0.10	NA
MW-4	02/11/2000	47,200	NA	905	<200	479	3,690	27,400	30,300b	193.37	14.82	NA	178.55	NA	0.6
MW-4	05/04/2000	30,800	NA	1,650	<100	574	3,310	28,600	31,200b	193.37	12.64	NA	180.73	NA	2.1
MW-4	08/31/2000	5,470	NA	366	<10.0	296	834	3,950	NA	193.37	16.47	NA	176.90	NA	c
MW-4	11/30/2000	20,700	NA	525	<50.0	447	1,570	2,440	4,280b	193.37	17.67	NA	175.70	NA	3.3
MW-4	02/13/2001	16,200	NA	909	<50.0	514	2,390	21,300	20,300	193.37	13.30	NA	180.07	NA	2.4

MW-5	08/30/1991	ND	80	ND	ND	ND	ND	NA	NA	190.35	16.74	NA	173.61	NA	NA
MW-5	11/22/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	17.27	NA	173.08	NA	NA
MW-5	03/18/1992	<30	<50	<0.3	<0.3	<0.3	<0.3	NA	NA	190.35	11.28	NA	179.07	NA	NA
MW-5	05/28/1992	Well Inaccessible		NA	NA	NA	NA	NA	NA	190.35	NA	NA	NA	NA	NA
MW-5	08/19/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	15.99	NA	174.36	NA	NA
MW-5	11/17/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	16.84	NA	173.51	NA	NA
MW-5	02/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	10.30	NA	180.05	NA	NA
MW-5	06/10/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	12.36	NA	177.99	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
MW-5	08/18/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	14.02	NA	176.33	NA	NA
MW-5	11/19/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	16.50	NA	173.85	NA	NA
MW-5	02/28/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	12.55	NA	177.80	NA	NA
MW-5	05/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	14.27	NA	176.08	NA	NA
MW-5	08/10/1994	70a	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	15.60	NA	174.75	NA	NA
MW-5	11/08/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	12.85	NA	177.50	NA	NA
MW-5	02/01/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	8.98	NA	181.37	NA	NA
MW-5	05/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	10.16	NA	180.19	NA	NA
MW-5	08/24/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	12.98	NA	177.37	NA	NA
MW-5	11/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	15.12	NA	175.23	NA	NA
MW-5	02/24/1996	NA	NA	NA	NA	NA	NA	NA	NA	190.35	NA	NA	NA	NA	NA
MW-5	05/22/1996	<2,000	NA	<20	<20	<20	<20	NA	NA	190.35	10.10	NA	180.25	NA	NA
MW-5	08/19/1996	<2,500	NA	<25	<25	<25	<25	NA	NA	190.35	13.09	NA	177.26	NA	NA
MW-5	12/05/1996	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	NA	190.35	13.31	NA	177.04	NA	NA
MW-5	02/20/1997	<1,000	NA	<10	<10	<10	<10	NA	NA	190.35	9.55	NA	180.80	NA	NA
MW-5	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	190.35	12.40	NA	177.95	NA	NA
MW-5	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	190.35	14.19	NA	176.16	NA	NA
MW-5	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	190.35	13.66	NA	176.69	NA	NA
MW-5	01/20/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	1,600	NA	190.35	8.06	NA	182.29	NA	NA
MW-5	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	190.35	9.95	NA	180.40	NA	NA
MW-5	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	190.35	11.10	NA	179.25	NA	NA
MW-5	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	190.35	12.21	NA	178.14	NA	NA
MW-5	02/03/1999	<500	NA	<5.00	<5.00	<5.00	<5.00	2850	NA	190.35	12.99	NA	177.36	NA	2.4
MW-5	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	190.35	12.08	NA	178.27	NA	NA
MW-5	08/31/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	4,260	NA	190.35	14.05	NA	176.30	NA	2.7
MW-5	12/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	190.35	15.41	NA	174.94	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
6039 College Avenue
Oakland, CA
Wic #204-5508-3301

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
MW-5	02/11/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	190.35	12.42	NA	177.93	NA	1.7
MW-5	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	190.35	11.13	NA	179.22	NA	NA
MW-5	08/31/2000	<500	NA	<5.00	<5.00	<5.00	<5.00	13,000	15,700b	190.35	13.53	NA	176.82	NA	c
MW-5	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	190.35	14.65	NA	175.70	NA	NA
MW-5	02/13/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	2,440	NA	190.35	12.05	NA	178.30	NA	4.1
MW-6	09/21/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	189.05	14.64	NA	174.41	NA	NA
MW-6	11/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA
MW-6	02/28/1994	98a	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	189.05	12.18	NA	176.87	NA	NA
MW-6	05/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	189.05	13.62	NA	175.43	NA	NA
MW-6	08/10/1994	80a	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	189.05	14.98	NA	174.07	NA	NA
MW-6	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	189.05	12.20	NA	176.85	NA	NA
MW-6	02/01/1995	120	NA	3.5	21	3.4	22	NA	NA	189.05	8.70	NA	180.35	NA	NA
MW-6	05/10/1995	NA	NA	NA	NA	NA	NA	NA	NA	189.05	9.86	NA	179.19	NA	NA
MW-6	08/24/1995	80	NA	<0.5	<0.5	1.8	2.4	NA	NA	189.05	12.46	NA	176.59	NA	NA
MW-6	11/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	189.05	14.56	NA	174.49	NA	NA
MW-6	11/10/1995	60	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	189.05	14.56	NA	174.49	NA	NA
MW-6	02/24/1996	NA	NA	NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA
MW-6	05/22/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	290	NA	189.05	10.23	NA	178.82	NA	NA
MW-6	08/19/1996	<1,250	NA	<12	<12	<12	<12	1,100	NA	189.05	12.61	NA	176.44	NA	NA
MW-6	12/05/1996	<125	NA	<1.2	<1.2	<1.2	<1.2	440	NA	189.05	12.47	NA	176.58	NA	NA
MW-6	02/20/1997	<100	NA	<1.0	<1.0	<1.0	<1.0	480	NA	189.05	9.85	NA	179.20	NA	NA
MW-6	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	189.05	11.96	NA	177.09	NA	NA
MW-6	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	189.05	13.65	NA	175.40	NA	NA
MW-6	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA
MW-6	01/20/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	340	NA	189.05	7.76	NA	181.29	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
6039 College Avenue
Oakland, CA
Wic #204-5508-3301

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
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MW-6	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	189.05	9.85	NA	179.20	NA	NA
MW-6	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	189.05	10.99	NA	178.06	NA	NA
MW-6	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	189.05	11.36	NA	177.69	NA	NA
MW-6	02/03/1999	Well Inaccessible		NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA
MW-6	06/04/1999	Well Inaccessible		NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA
MW-6	06/22/1999	<5,000	NA	<50.0	<50.0	<50.0	<50.0	2,800	NA	189.05	12.15	NA	176.90	NA	2.1
MW-6	08/31/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	3,390	NA	189.05	13.62	NA	175.43	NA	2.5
MW-6	12/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	189.05	14.98	NA	174.07	NA	NA
MW-6	02/11/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	189.05	12.00	NA	177.05	NA	1.1
MW-6	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	189.05	10.94	NA	178.11	NA	NA
MW-6	08/31/2000	<250	NA	<2.50	<2.50	<2.50	<2.50	4,460	NA	189.05	13.19	NA	175.86	NA	c
MW-6	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	189.05	14.28	NA	174.77	NA	NA
MW-6	02/13/2001	Well Inaccessible		NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA
MW-6	02/16/2001	<500	NA	<5.00	<5.00	<5.00	<5.00	3,910	NA	189.05	12.10	NA	176.95	NA	3.8

T-1	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	08/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	12/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
6039 College Avenue
Oakland, CA
Wic #204-5508-3301

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
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T-1	02/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	08/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	02/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA

T-2	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	08/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	12/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	02/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	08/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.50	NA	NA	NA	NA
T-2	02/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
6039 College Avenue
Oakland, CA
Wic #204-5508-3301

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020

MTBE = methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ug/L = parts per billion

ppm = parts per million

msl = Mean sea level

ft = Feet

<n = Below detection limit

NA = Not applicable

ND = Not detected at or above the minimum quantitation limits.

Notes:

a = Chromatogram patterns indicate an unidentified hydrocarbon.

b = Sample was analyzed outside the EPA recommended holding time.

c = DO Readings not taken this event.



Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
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8 March, 2001

Nick Sudano
Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: 6039 College Ave.
Sequoia Report: MKB0446

Enclosed are the results of analyses for samples received by the laboratory on 02/14/01 12:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Client Services Manager

CA ELAP Certificate #1210





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
03/08/01 17:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	MKB0446-01	Water	02/13/01 14:28	02/14/01 12:25
MW-4	MKB0446-02	Water	02/13/01 14:45	02/14/01 12:25
MW-5	MKB0446-03	Water	02/13/01 14:08	02/14/01 12:25





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
03/08/01 17:23

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MKB0446-01) Water Sampled: 02/13/01 14:28 Received: 02/14/01 12:25									
Purgeable Hydrocarbons	5880	5000	ug/l	100	1B22004	02/22/01	02/22/01	DHS LUFT	P-03
Benzene	563	50.0	"	"	"	"	"	"	
Toluene	ND	50.0	"	"	"	"	"	"	
Ethylbenzene	282	50.0	"	"	"	"	"	"	
Xylenes (total)	472	50.0	"	"	"	"	"	"	
Methyl tert-butyl ether	8960	250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		101 %	70-130		"	"	"	"	
MW-4 (MKB0446-02) Water Sampled: 02/13/01 14:45 Received: 02/14/01 12:25									
Purgeable Hydrocarbons	16200	5000	ug/l	100	1B22002	02/22/01	02/22/01	DHS LUFT	P-01
Benzene	909	50.0	"	"	"	"	"	"	
Toluene	ND	50.0	"	"	"	"	"	"	
Ethylbenzene	514	50.0	"	"	"	"	"	"	
Xylenes (total)	2390	50.0	"	"	"	"	"	"	
Methyl tert-butyl ether	21300	250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		102 %	70-130		"	"	"	"	
MW-5 (MKB0446-03) Water Sampled: 02/13/01 14:08 Received: 02/14/01 12:25									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1B22002	02/22/01	02/22/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	2440	125	"	50	"	"	02/26/01	"	M-03
Surrogate: a,a,a-Trifluorotoluene		113 %	70-130		"	"	02/22/01	"	



Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
03/08/01 17:23

**MTBE Confirmation by EPA Method 8260A
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MKB0446-02) Water Sampled: 02/13/01 14:45 Received: 02/14/01 12:25									
Methyl tert-butyl ether	20300	1000	ug/l	1000	1B28025	02/27/01	02/27/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		85.7 %	70-130		"	"	"	"	





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
03/08/01 17:23

**Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MKB0446-01) Water Sampled: 02/13/01 14:28 Received: 02/14/01 12:25									
TRPH	ND	5.00	mg/l	1	1C05002	03/05/01	03/05/01	SM 5520B/F	
MW-4 (MKB0446-02) Water Sampled: 02/13/01 14:45 Received: 02/14/01 12:25									
TRPH	13.3	5.00	mg/l	1	1C05002	03/05/01	03/05/01	SM 5520B/F	





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
03/08/01 17:23

**Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MKB0446-01) Water Sampled: 02/13/01 14:28 Received: 02/14/01 12:25									
Acenaphthene	ND	5.0	ug/l	1	1B20010	02/20/01	03/01/01	EPA 8270B	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Aniline	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzoic acid	ND	10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	5.0	"	"	"	"	"	"	
Benzo[a]pyrene	ND	5.0	"	"	"	"	"	"	
Benzyl alcohol	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	22	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	50	"	"	"	"	"	"	
4-Chloroaniline	ND	25	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND	5.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10	"	"	"	"	"	"	
Dibenzofuran	ND	5.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	5.0	"	"	"	"	"	"	
Diethyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	5.0	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	10	"	"	"	"	"	"	



Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
03/08/01 17:23

Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MKB0446-01) Water Sampled: 02/13/01 14:28 Received: 02/14/01 12:25									
Di-n-octyl phthalate	ND	10	ug/l	1	1B20010	02/20/01	03/01/01	EPA 8270B	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	5.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
Isophorone	ND	5.0	"	"	"	"	"	"	
2-Methylnaphthalene	8.4	5.0	"	"	"	"	"	"	
2-Methylphenol	ND	5.0	"	"	"	"	"	"	
4-Methylphenol	ND	5.0	"	"	"	"	"	"	
Naphthalene	39	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	10	"	"	"	"	"	"	
4-Nitroaniline	ND	20	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	5.0	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	5.0	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	5.0	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	10	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	10	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		28.2 %		21-110	"	"	"	"	
<i>Surrogate: Phenol-d6</i>		18.5 %		10-110	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		55.0 %		35-114	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		59.5 %		43-116	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		72.7 %		10-123	"	"	"	"	
<i>Surrogate: p-Terphenyl-d14</i>		68.3 %		33-141	"	"	"	"	





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
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Project Manager: Nick Sudano

Reported:
03/08/01 17:23

Semivolatile Organic Compounds by EPA Method 8270C

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MKB0446-02) Water Sampled: 02/13/01 14:45 Received: 02/14/01 12:25									
Acenaphthene	ND	50	ug/l	10	1B20010	02/20/01	03/01/01	EPA 8270B	
Acenaphthylene	ND	50	"	"	"	"	"	"	
Aniline	ND	50	"	"	"	"	"	"	
Anthracene	ND	50	"	"	"	"	"	"	
Benzoic acid	ND	100	"	"	"	"	"	"	
Benzo (a) anthracene	ND	50	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	50	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	50	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	50	"	"	"	"	"	"	
Benzo[a]pyrene	ND	50	"	"	"	"	"	"	
Benzyl alcohol	ND	50	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	50	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	50	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	50	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	410	100	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	50	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	500	"	"	"	"	"	"	
4-Chloroaniline	ND	250	"	"	"	"	"	"	
2-Chloronaphthalene	ND	50	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	50	"	"	"	"	"	"	
2-Chlorophenol	ND	50	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	50	"	"	"	"	"	"	
Chrysene	ND	50	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	100	"	"	"	"	"	"	
Dibenzofuran	ND	50	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	100	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	50	"	"	"	"	"	"	
Diethyl phthalate	ND	50	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	50	"	"	"	"	"	"	
Dimethyl phthalate	ND	50	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	100	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	100	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	100	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	100	"	"	"	"	"	"	





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
03/08/01 17:23

**Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MKB0446-02) Water Sampled: 02/13/01 14:45 Received: 02/14/01 12:25									
Di-n-octyl phthalate	ND	100	ug/l	10	1B20010	02/20/01	03/01/01	EPA 8270B	
Fluoranthene	ND	50	"	"	"	"	"	"	
Fluorene	ND	50	"	"	"	"	"	"	
Hexachlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	100	"	"	"	"	"	"	
Hexachloroethane	ND	50	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	100	"	"	"	"	"	"	
Isophorone	ND	50	"	"	"	"	"	"	
2-Methylnaphthalene	ND	50	"	"	"	"	"	"	
2-Methylphenol	ND	50	"	"	"	"	"	"	
4-Methylphenol	ND	50	"	"	"	"	"	"	
Naphthalene	160	50	"	"	"	"	"	"	
2-Nitroaniline	ND	100	"	"	"	"	"	"	
3-Nitroaniline	ND	100	"	"	"	"	"	"	
4-Nitroaniline	ND	200	"	"	"	"	"	"	
Nitrobenzene	ND	50	"	"	"	"	"	"	
2-Nitrophenol	ND	50	"	"	"	"	"	"	
4-Nitrophenol	ND	100	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	50	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	50	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	50	"	"	"	"	"	"	
Pentachlorophenol	ND	100	"	"	"	"	"	"	
Phenanthrene	ND	50	"	"	"	"	"	"	
Phenol	ND	50	"	"	"	"	"	"	
Pyrene	ND	50	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	50	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	100	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	100	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		45.2 %		21-110	"	"	"	"	
Surrogate: Phenol-d6		25.9 %		10-110	"	"	"	"	
Surrogate: Nitrobenzene-d5		86.5 %		35-114	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		100 %		43-116	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		82.7 %		10-123	"	"	"	"	
Surrogate: p-Terphenyl-d14		78.6 %		33-141	"	"	"	"	



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose CA, 95112	Project: 6039 College Ave. Project Number: 6039 College Ave. Project Manager: Nick Sudano	Reported: 03/08/01 17:23
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Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1B22002 - EPA 5030B (P/T)

Blank (1B22002-BLK1)				Prepared & Analyzed: 02/22/01						
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.8		"	10.0		108	70-130			

LCS (1B22002-BS1)				Prepared & Analyzed: 02/22/01						
Benzene	10.5	0.500	ug/l	10.0		105	70-130			
Toluene	11.3	0.500	"	10.0		113	70-130			
Ethylbenzene	10.7	0.500	"	10.0		107	70-130			
Xylenes (total)	32.1	0.500	"	30.0		107	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	11.0		"	10.0		110	70-130			

Matrix Spike (1B22002-MS1)				Source: MKB0511-01		Prepared & Analyzed: 02/22/01				
Benzene	10.9	0.500	ug/l	10.0	ND	109	60-140			
Toluene	11.6	0.500	"	10.0	ND	116	60-140			
Ethylbenzene	10.4	0.500	"	10.0	ND	104	60-140			
Xylenes (total)	31.2	0.500	"	30.0	ND	104	60-140			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	11.5		"	10.0		115	70-130			

Matrix Spike Dup (1B22002-MSD1)				Source: MKB0511-01		Prepared & Analyzed: 02/22/01				
Benzene	10.4	0.500	ug/l	10.0	ND	104	60-140	4.69	25	
Toluene	11.0	0.500	"	10.0	ND	110	60-140	5.31	25	
Ethylbenzene	10.0	0.500	"	10.0	ND	100	60-140	3.92	25	
Xylenes (total)	29.6	0.500	"	30.0	ND	98.7	60-140	5.26	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.2		"	10.0		102	70-130			



Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
03/08/01 17:23

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1B22004 - EPA 5030B [P/T]

Blank (1B22004-BLK1)

Prepared & Analyzed: 02/22/01

Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.87		"	10.0		98.7	70-130			

LCS (1B22004-BS1)

Prepared & Analyzed: 02/22/01

Benzene	8.72	0.500	ug/l	10.0		87.2	70-130			
Toluene	8.97	0.500	"	10.0		89.7	70-130			
Ethylbenzene	8.67	0.500	"	10.0		86.7	70-130			
Xylenes (total)	25.9	0.500	"	30.0		86.3	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	10.6		"	10.0		106	70-130			

Matrix Spike (1B22004-MS1)

Source: MKB0533-02

Prepared & Analyzed: 02/22/01

Benzene	9.89	0.500	ug/l	10.0	ND	98.9	60-140			
Toluene	9.14	0.500	"	10.0	ND	89.6	60-140			
Ethylbenzene	8.90	0.500	"	10.0	ND	89.0	60-140			
Xylenes (total)	27.6	0.500	"	30.0	ND	90.8	60-140			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.66		"	10.0		96.6	70-130			

Matrix Spike Dup (1B22004-MSD1)

Source: MKB0533-02

Prepared & Analyzed: 02/22/01

Benzene	9.84	0.500	ug/l	10.0	ND	98.4	60-140	0.507	25	
Toluene	8.92	0.500	"	10.0	ND	87.4	60-140	2.44	25	
Ethylbenzene	8.65	0.500	"	10.0	ND	86.5	60-140	2.85	25	
Xylenes (total)	26.3	0.500	"	30.0	ND	86.5	60-140	4.82	25	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.89		"	10.0		98.9	70-130			





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
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Reported:
03/08/01 17:23

**MTBE Confirmation by EPA Method 8260A - Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B28025 - EPA 5030B [P/T]										
Blank (1B28025-BLK1)										
				Prepared & Analyzed: 02/27/01						
Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	8.68		"	10.0		86.8	70-130			
LCS (1B28025-BS1)										
				Prepared & Analyzed: 02/27/01						
Methyl tert-butyl ether	11.7	1.00	ug/l	10.0		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	9.62		"	10.0		96.2	70-130			
Matrix Spike (1B28025-MS1)										
				Source: MKB0522-02		Prepared & Analyzed: 02/27/01				
Methyl tert-butyl ether	1420	5.00	ug/l	50.0	2130	-1420	70-130			Q-03
Surrogate: 1,2-Dichloroethane-d4	8.36		"	10.0		83.6	70-130			
Matrix Spike Dup (1B28025-MSD1)										
				Source: MKB0522-02		Prepared & Analyzed: 02/27/01				
Methyl tert-butyl ether	1450	5.00	ug/l	50.0	2130	-1360	70-130	2.09	25	Q-03
Surrogate: 1,2-Dichloroethane-d4	8.62		"	10.0		86.2	70-130			





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

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Reported:
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**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1C05002 - General Prep										
Blank (1C05002-BLK1)				Prepared & Analyzed: 03/05/01						
TRPH	ND	5.00	mg/l							
LCS (1C05002-BS1)				Prepared & Analyzed: 03/05/01						
TRPH	12.3	5.00	mg/l	10.0		123	70-130			
LCS Dup (1C05002-BSD1)				Prepared & Analyzed: 03/05/01						
TRPH	13.0	5.00	mg/l	10.0		130	70-130	5.53	30	





Blaine Tech Services (Shell)
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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1B20010 - EPA 3510B Sep Funnel

Blank (1B20010-BLK1)

Prepared: 02/20/01 Analyzed: 02/23/01

Acenaphthene	ND	5.0	ug/l							
Acenaphthylene	ND	5.0	"							
Aniline	ND	5.0	"							
Anthracene	ND	5.0	"							
Benzoic acid	ND	10	"							
Benzo (a) anthracene	ND	5.0	"							
Benzo (b) fluoranthene	ND	5.0	"							
Benzo (k) fluoranthene	ND	5.0	"							
Benzo (ghi) perylene	ND	5.0	"							
Benzo[a]pyrene	ND	5.0	"							
Benzyl alcohol	ND	5.0	"							
Bis(2-chloroethoxy)methane	ND	5.0	"							
Bis(2-chloroethyl)ether	ND	5.0	"							
Bis(2-chloroisopropyl)ether	ND	5.0	"							
Bis(2-ethylhexyl)phthalate	ND	10	"							
4-Bromophenyl phenyl ether	ND	5.0	"							
Butyl benzyl phthalate	ND	50	"							
4-Chloroaniline	ND	25	"							
2-Chloronaphthalene	ND	5.0	"							
4-Chloro-3-methylphenol	ND	5.0	"							
2-Chlorophenol	ND	5.0	"							
4-Chlorophenyl phenyl ether	ND	5.0	"							
Chrysene	ND	5.0	"							
Dibenz (a,h) anthracene	ND	10	"							
Dibenzofuran	ND	5.0	"							
Di-n-butyl phthalate	ND	10	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	10	"							
3,3'-Dichlorobenzidine	ND	10	"							
2,4-Dichlorophenol	ND	5.0	"							
Diethyl phthalate	ND	5.0	"							
2,4-Dimethylphenol	ND	5.0	"							
Dimethyl phthalate	ND	5.0	"							





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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1B20010 - EPA 3510B Sep Funnel

Blank (1B20010-BLK1)

Prepared: 02/20/01 Analyzed: 02/23/01

4,6-Dinitro-2-methylphenol	ND	10	ug/l							
2,4-Dinitrophenol	ND	10	"							
2,4-Dinitrotoluene	ND	10	"							
2,6-Dinitrotoluene	ND	10	"							
Di-n-octyl phthalate	ND	10	"							
Fluoranthene	ND	5.0	"							
Fluorene	ND	5.0	"							
Hexachlorobenzene	ND	10	"							
Hexachlorobutadiene	ND	10	"							
Hexachlorocyclopentadiene	ND	10	"							
Hexachloroethane	ND	5.0	"							
Indeno (1,2,3-cd) pyrene	ND	10	"							
Isophorone	ND	5.0	"							
2-Methylnaphthalene	ND	5.0	"							
2-Methylphenol	ND	5.0	"							
4-Methylphenol	ND	5.0	"							
Naphthalene	ND	5.0	"							
2-Nitroaniline	ND	10	"							
3-Nitroaniline	ND	10	"							
4-Nitroaniline	ND	20	"							
Nitrobenzene	ND	5.0	"							
2-Nitrophenol	ND	5.0	"							
4-Nitrophenol	ND	10	"							
N-Nitrosodimethylamine	ND	5.0	"							
N-Nitrosodiphenylamine	ND	5.0	"							
N-Nitrosodi-n-propylamine	ND	5.0	"							
Pentachlorophenol	ND	10	"							
Phenanthrene	ND	5.0	"							
Phenol	ND	5.0	"							
Pyrene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
2,4,5-Trichlorophenol	ND	10	"							
2,4,6-Trichlorophenol	ND	10	"							

Surrogate: 2-Fluorophenol

69.2

"

150

46.1 21-110

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
03/08/01 17:23

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1B20010 - EPA 3510B Sep Funnel

Blank (1B20010-BLK1)

Prepared: 02/20/01 Analyzed: 02/23/01

Surrogate: Phenol-d6	39.8		ug/l	150		26.5	10-110			
Surrogate: Nitrobenzene-d5	96.9		"	100		96.9	35-114			
Surrogate: 2-Fluorobiphenyl	88.3		"	100		88.3	43-116			
Surrogate: 2,4,6-Tribromophenol	142		"	150		94.7	10-123			
Surrogate: p-Terphenyl-d14	84.4		"	100		84.4	33-141			

Blank (1B20010-BLK2)

Prepared: 02/21/01 Analyzed: 02/23/01

Acenaphthene	ND	5.0	ug/l							
Acenaphthylene	ND	5.0	"							
Aniline	ND	5.0	"							
Anthracene	ND	5.0	"							
Benzoic acid	ND	10	"							
Benzo (a) anthracene	ND	5.0	"							
Benzo (b) fluoranthene	ND	5.0	"							
Benzo (k) fluoranthene	ND	5.0	"							
Benzo (ghi) perylene	ND	5.0	"							
Benzo[a]pyrene	ND	5.0	"							
Benzyl alcohol	ND	5.0	"							
Bis(2-chloroethoxy)methane	ND	5.0	"							
Bis(2-chloroethyl)ether	ND	5.0	"							
Bis(2-chloroisopropyl)ether	ND	5.0	"							
Bis(2-ethylhexyl)phthalate	ND	10	"							
4-Bromophenyl phenyl ether	ND	5.0	"							
Butyl benzyl phthalate	ND	50	"							
4-Chloroaniline	ND	25	"							
2-Chloronaphthalene	ND	5.0	"							
4-Chloro-3-methylphenol	ND	5.0	"							
2-Chlorophenol	ND	5.0	"							
4-Chlorophenyl phenyl ether	ND	5.0	"							
Chrysene	ND	5.0	"							
Dibenz (a,h) anthracene	ND	10	"							
Dibenzofuran	ND	5.0	"							
Di-n-butyl phthalate	ND	10	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
03/08/01 17:23

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1B20010 - EPA 3510B Sep Funnel

Blank (1B20010-BLK2)

Prepared: 02/21/01 Analyzed: 02/23/01

1,4-Dichlorobenzene	ND	10	ug/l							
3,3'-Dichlorobenzidine	ND	10	"							
2,4-Dichlorophenol	ND	5.0	"							
Diethyl phthalate	ND	5.0	"							
2,4-Dimethylphenol	ND	5.0	"							
Dimethyl phthalate	ND	5.0	"							
4,6-Dinitro-2-methylphenol	ND	10	"							
2,4-Dinitrophenol	ND	10	"							
2,4-Dinitrotoluene	ND	10	"							
2,6-Dinitrotoluene	ND	10	"							
Di-n-octyl phthalate	ND	10	"							
Fluoranthene	ND	5.0	"							
Fluorene	ND	5.0	"							
Hexachlorobenzene	ND	10	"							
Hexachlorobutadiene	ND	10	"							
Hexachlorocyclopentadiene	ND	10	"							
Hexachloroethane	ND	5.0	"							
Indeno (1,2,3-cd) pyrene	ND	10	"							
Isophorone	ND	5.0	"							
2-Methylnaphthalene	ND	5.0	"							
2-Methylphenol	ND	5.0	"							
4-Methylphenol	ND	5.0	"							
Naphthalene	ND	5.0	"							
2-Nitroaniline	ND	10	"							
3-Nitroaniline	ND	10	"							
4-Nitroaniline	ND	20	"							
Nitrobenzene	ND	5.0	"							
2-Nitrophenol	ND	5.0	"							
4-Nitrophenol	ND	10	"							
N-Nitrosodimethylamine	ND	5.0	"							
N-Nitrosodiphenylamine	ND	5.0	"							
N-Nitrosodi-n-propylamine	ND	5.0	"							
Pentachlorophenol	ND	10	"							
Phenanthrene	ND	5.0	"							





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
03/08/01 17:23

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1B20010 - EPA 3510B Sep Funnel

Blank (1B20010-BLK2)

Prepared: 02/21/01 Analyzed: 02/23/01

Phenol	ND	5.0	ug/l							
Pyrene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
2,4,5-Trichlorophenol	ND	10	"							
2,4,6-Trichlorophenol	ND	10	"							
<i>Surrogate: 2-Fluorophenol</i>	80.8		"	150		53.9	21-110			
<i>Surrogate: Phenol-d6</i>	49.0		"	150		32.7	10-110			
<i>Surrogate: Nitrobenzene-d5</i>	97.8		"	100		97.8	35-114			
<i>Surrogate: 2-Fluorobiphenyl</i>	91.2		"	100		91.2	43-116			
<i>Surrogate: 2,4,6-Tribromophenol</i>	137		"	150		91.3	10-123			
<i>Surrogate: p-Terphenyl-d14</i>	90.1		"	100		90.1	33-141			

LCS (1B20010-BS1)

Prepared: 02/20/01 Analyzed: 02/23/01

Acenaphthene	86.9	5.0	ug/l	100		86.9	46-118			
4-Chloro-3-methylphenol	143	5.0	"	150		95.3	23-97			
2-Chlorophenol	125	5.0	"	150		83.3	27-123			
1,4-Dichlorobenzene	73.9	10	"	100		73.9	36-97			
2,4-Dinitrotoluene	86.3	10	"	100		86.3	24-96			
4-Nitrophenol	43.7	10	"	150		29.1	10-80			
N-Nitrosodi-n-propylamine	106	5.0	"	100		106	41-116			
Pentachlorophenol	134	10	"	150		89.3	9-103			
Phenol	50.5	5.0	"	150		33.7	12-110			
Pyrene	91.5	5.0	"	100		91.5	26-127			
1,2,4-Trichlorobenzene	84.4	5.0	"	100		84.4	39-98			
<i>Surrogate: 2-Fluorophenol</i>	86.9		"	150		57.9	21-110			
<i>Surrogate: Phenol-d6</i>	52.4		"	150		34.9	10-110			
<i>Surrogate: Nitrobenzene-d5</i>	107		"	100		107	35-114			
<i>Surrogate: 2-Fluorobiphenyl</i>	91.8		"	100		91.8	43-116			
<i>Surrogate: 2,4,6-Tribromophenol</i>	157		"	150		105	10-123			
<i>Surrogate: p-Terphenyl-d14</i>	93.4		"	100		93.4	33-141			





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
03/08/01 17:23

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1B20010 - EPA 3510B Sep Funnel

LCS (1B20010-BS2)

Prepared: 02/21/01 Analyzed: 02/23/01

Acenaphthene	89.9	5.0	ug/l	100		89.9	46-118			
4-Chloro-3-methylphenol	143	5.0	"	150		95.3	23-97			
2-Chlorophenol	123	5.0	"	150		82.0	27-123			
1,4-Dichlorobenzene	81.1	10	"	100		81.1	36-97			
2,4-Dinitrotoluene	88.1	10	"	100		88.1	24-96			
4-Nitrophenol	48.5	10	"	150		32.3	10-80			
N-Nitrosodi-n-propylamine	102	5.0	"	100		102	41-116			
Pentachlorophenol	124	10	"	150		82.7	9-103			
Phenol	53.8	5.0	"	150		35.9	12-110			
Pyrene	88.2	5.0	"	100		88.2	26-127			
1,2,4-Trichlorobenzene	92.3	5.0	"	100		92.3	39-98			
Surrogate: 2-Fluorophenol	89.6		"	150		59.7	21-110			
Surrogate: Phenol-d6	56.3		"	150		37.5	10-110			
Surrogate: Nitrobenzene-d5	107		"	100		107	35-114			
Surrogate: 2-Fluorobiphenyl	97.2		"	100		97.2	43-116			
Surrogate: 2,4,6-Tribromophenol	153		"	150		102	10-123			
Surrogate: p-Terphenyl-d14	89.8		"	100		89.8	33-141			

LCS Dup (1B20010-BSD1)

Prepared: 02/20/01 Analyzed: 02/23/01

Acenaphthene	84.5	5.0	ug/l	100		84.5	46-118	2.80	30	
4-Chloro-3-methylphenol	141	5.0	"	150		94.0	23-97	1.41	30	
2-Chlorophenol	121	5.0	"	150		80.7	27-123	3.25	30	
1,4-Dichlorobenzene	67.5	10	"	100		67.5	36-97	9.05	30	
2,4-Dinitrotoluene	87.1	10	"	100		87.1	24-96	0.923	30	
4-Nitrophenol	49.5	10	"	150		33.0	10-80	12.4	30	
N-Nitrosodi-n-propylamine	102	5.0	"	100		102	41-116	3.85	30	
Pentachlorophenol	134	10	"	150		89.3	9-103	0	30	
Phenol	55.0	5.0	"	150		36.7	12-110	8.53	30	
Pyrene	91.5	5.0	"	100		91.5	26-127	0	30	
1,2,4-Trichlorobenzene	79.4	5.0	"	100		79.4	39-98	6.11	30	
Surrogate: 2-Fluorophenol	86.6		"	150		57.7	21-110			
Surrogate: Phenol-d6	53.4		"	150		35.6	10-110			
Surrogate: Nitrobenzene-d5	97.9		"	100		97.9	35-114			
Surrogate: 2-Fluorobiphenyl	84.7		"	100		84.7	43-116			
Surrogate: 2,4,6-Tribromophenol	148		"	150		98.7	10-123			



Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
03/08/01 17:23

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1B20010 - EPA 3510B Sep Funnel

LCS Dup (1B20010-BSD1)

Prepared: 02/20/01 Analyzed: 02/23/01

Surrogate: <i>p-Terphenyl-d14</i>	90.1		ug/l	100		90.1	33-141			
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Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
03/08/01 17:23

Notes and Definitions

- M-03 Sample was analyzed at a second dilution.
- P-01 Chromatogram Pattern: Gasoline C6-C12
- P-03 Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
- Q-03 The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte already present in the sample.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference



Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

28 February, 2001

Nick Sudano
Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: 6039 College Ave.
Sequoia Report: MKB0580

Enclosed are the results of analyses for samples received by the laboratory on 02/20/01 10:49. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Client Services Manager

CA ELAP Certificate #1210



Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
02/28/01 13:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-6	MKB0580-01	Water	02/16/01 10:33	02/20/01 10:49





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
02/28/01 13:20

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (MKB0580-01) Water Sampled: 02/16/01 10:33 Received: 02/20/01 10:49									
Purgeable Hydrocarbons	ND	500	ug/l	10	1B23002	02/23/01	02/23/01	DHS LUFT	
Benzene	ND	5.00	"	"	"	"	"	"	
Toluene	ND	5.00	"	"	"	"	"	"	
Ethylbenzene	ND	5.00	"	"	"	"	"	"	
Xylenes (total)	ND	5.00	"	"	"	"	"	"	
Methyl tert-butyl ether	3910	125	"	50	"	"	02/26/01	"	M-03
<i>Surrogate: a,a,a-Trifluorotoluene</i>		81.2 %		70-130	"	"	02/23/01	"	





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
02/28/01 13:20

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B23002 - EPA 5030B [P/T]										
Blank (1B23002-BLK1)										
Prepared & Analyzed: 02/23/01										
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.5		"	10.0		105	70-130			
LCS (1B23002-BS1)										
Prepared & Analyzed: 02/23/01										
Purgeable Hydrocarbons	229	50.0	ug/l	250	ND	91.6	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	11.1		"	10.0		111	70-130			
Matrix Spike (1B23002-MS1)										
Source: MKB0520-01 Prepared & Analyzed: 02/23/01										
Purgeable Hydrocarbons	246	50.0	ug/l	250	ND	88.5	60-140			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.84		"	10.0		98.4	70-130			
Matrix Spike Dup (1B23002-MSD1)										
Source: MKB0520-01 Prepared & Analyzed: 02/23/01										
Purgeable Hydrocarbons	240	50.0	ug/l	250	ND	86.1	60-140	2.47	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.69		"	10.0		96.9	70-130			



Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 6039 College Ave.
Project Number: 6039 College Ave.
Project Manager: Nick Sudano

Reported:
02/28/01 13:20

Notes and Definitions

M-03 Sample was analyzed at a second dilution.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference



EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>010216-42</u>	Site: <u>204-5508-3301</u>
Sampler: <u>LEON</u>	Date: <u>2-16-01</u>
Well I.D.: <u>MW-6</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>24.14</u>	Depth to Water: <u>12.10</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

Purge Method: Bailer
 Disposable Bailer
 Middleburg
 Electric Submersible

Waterra
 Peristaltic
 Extraction Pump
 Other _____

Sampling Method: Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

$$1.9 \text{ (Gals.)} \times 3 = 5.7 \text{ Gals.}$$

1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>1021</u>	<u>64.5</u>	<u>6.8</u>	<u>561</u>	<u>7200</u>	<u>2</u>	
<u>1027</u>	<u>64.8</u>	<u>6.6</u>	<u>581</u>	<u>7200</u>	<u>4</u>	
<u>1029</u>	<u>64.2</u>	<u>6.6</u>	<u>591</u>	<u>7200</u>	<u>6</u>	

Did well dewater? Yes No Gallons actually evacuated: 6

Sampling Time: 1033 Sampling Date: 2-16-01

Sample I.D.: MW-6 Laboratory: Sequoia Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

EB I.D. (if applicable): _____ @ _____ Time Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: 3.9 mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

WELL GAUGING DATA

Project # 010213-F2 Date 2/13/01 Client EQUINA-20455085301

Site 6039 COLLIER AVE OAKLAND

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
MW-1	4					14.25	24.36	
MW-2	4					13.58	24.20	
MW-3	4	ODOR				13.05	24.82	
MW-4	4	NO PRODUCT DETECTED ODOR - REMOVED SKUMMER GAUGE				13.30	24.34	
MW-5	4					12.05	28.63	
MW-6	INACCESSIBLE - PARKED OVER							
T-1	4					DRY	4.04	
T-2	4	X WAT. ML @ BOTTOM				DRY	7.42	

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010213-F2	Site: 204 5508 3301
Sampler: JEREMY	Date: 2/13/01
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 24.82	Depth to Water: 13.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Purge Method:

- Bailer
 Disposable Bailer
 Middleburg
 Electric Submersible
 Waterra
 Peristaltic
 Extraction Pump
 Other

Sampling Method:

- Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other:

11.8 (Gals.) X 3 = 35.4 Gals.
 1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1419	63.3	6.5	611	33	12	ODOR
1421	65.4	6.6	613	31	24	"
1423	65.9	6.6	650	24	36	"

Did well dewater? Yes No Gallons actually evacuated: 36

Sampling Time: 1428 Sampling Date: 2/13/01

Sample I.D.: MW-3 Laboratory: (Sequoia) Columbia Other

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

EB I.D. (if applicable): @ Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd): Pre-purge: mg/L Post-purge: (3.6) mg/L

O.R.P. (if req'd): Pre-purge: mV Post-purge: mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010213-F2	Site: 204 5508 3301
Sampler: JEREMY	Date: 2/13/01
Well I.D.: MW-4	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 24.34	Depth to Water: 13.30
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): <u>(YSI)</u> HACH

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: _____

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

7.2 (Gals.) X 3 = 21.6 Gals.
 1 Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1438	62.4	6.9	538	42	8	ODOR/SL. SIGHT
1439	64.5	6.6	593	51	16	"
1440	64.9	6.6	599	59	22	"

NO PRODUCT DETECTED - REQUIRED SKIMMER FOR GAUGING & SAMPLE

Did well dewater? Yes (No) Gallons actually evacuated: 22

Sampling Time: 1445 Sampling Date: 2/13/01

Sample I.D.: MW-4 Laboratory: (Sequoia) Columbia Other _____

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other: (EPA 8270 OIL & GREASE)

EB I.D. (if applicable): @ _____ Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd): Pre-purge: _____ mg/L (Post-purge: 2.4) mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010215-F2	Site: 204 5508 3301
Sampler: JEREMY	Date: 2/13/01
Well I.D.: MW-5	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 28.63	Depth to Water: 12.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: _____

10.8 (Gals.) X 3 = 32.4 Gals.
 1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1400	62.6	6.1	589	62	11	
1402	64.1	6.4	444	59	22	
1403	64.8	6.5	449	72	33	

Did well dewater? Yes No Gallons actually evacuated: 33

Sampling Time: 1408 Sampling Date: 2/13/01

Sample I.D.: MW-5 Laboratory: Sequoia Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: EPA 8270 + OIL + GLYCOLS

EB I.D. (if applicable): @ _____ Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	4.1	mg/L
	O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010213-F2	Site: 204 5508 3301
Sampler: JEREMY	Date: 2/13/01
Well I.D.: MUL 6	Well Diameter: 2 3 4 6 8
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Purge Method:

- | | |
|----------------------|-----------------|
| Bailer | Waterra |
| Disposable Bailer | Peristaltic |
| Middleburg | Extraction Pump |
| Electric Submersible | Other _____ |

Sampling Method:

- (Bailer)
- Disposable Bailer
 - Extraction Port
 - Dedicated Tubing

Other: _____

	(Gals.) X	3	=		Gals.
I Case Volume	Specified Volumes	Calculated Volume			

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
WELL INACCESSIBLE - PARKED OVER						
KNOCKED ON THE 4 DOORS OF THE HOUSE & GOT NO						
ANSWER.						

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Time: _____ Sampling Date: 2/15/01

Sample I.D.: _____ Laboratory: (Sequoia) Columbia Other _____

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: _____

EB I.D. (if applicable): _____ @ _____ Time Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: _____ mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV