CAMBRIA

#3646

March 7, 2001

Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

MAR 14 2001

Re: **Fourth Quarter 2000 Monitoring Report**
Shell-branded Service Station
540 Hegenberger Road
Oakland, California
Incident #98995752
Cambria Project #243-0414-002

Dear Mr. Chan:

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

FOURTH QUARTER 2000 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California measured dissolved oxygen (DO), gauged water levels, sampled the monitoring wells using the non-purging method, calculated groundwater elevations, and compiled the analytical data. Cambria prepared a groundwater elevation contour map (Figure 1). Blaine's report, presenting the laboratory report and supporting field documents, is included as Attachment A.

Site Investigation: In August and September 2000 Cambria advanced three soil borings (SB-E, SB-F, and SB-G) and installed monitoring well MW-4 (Figure 1) near the site. Details of this investigation are presented in Cambria's February 15, 2001 *Offsite Subsurface Investigation Report.*

Interim Remedial Action: From July 1999 through June 2000, groundwater extraction (GWE) was performed at the site to extract dissolved-phase hydrocarbons and MTBE in groundwater. In June through December 2000, dual-vacuum extraction (DVE) was performed at the site to enhance GWE and to extract vapor-phase hydrocarbon and MTBE from the soil. Hydrocarbon mass removal data are presented in Tables 1 and 2.

The recent site investigation found that the MTBE plume in groundwater is defined and there are no observed sensitive receptors near the site. Based on these findings, DVE was discontinued.

Oakland, CA
San Ramon, CA
Sonoma, CA
Portland, OR

Cambria Environmental Technology, Inc.

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

ANTICIPATED FIRST QUARTER 2001 ACTIVITIES

Groundwater Monitoring: Blaine will collect DO measurements, gauge water levels, sample the monitoring wells using the non-purging method, and tabulate the data. Cambria will prepare a monitoring report.

CLOSING

We appreciate the opportunity to work with you on this project. Please call Stephan Bork at (510) 420-3344 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

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

REGISTERED GEOLOGIST
STEPHAN A. BORK
No. EG 2058
CERTIFIED
ENGINEERING
GEOLOGIST
STATE OF CALIFORNIA

Figure: 1 - Groundwater Elevation Contour Map

Tables: 1 - Groundwater Extraction - Mass Removal Data
2 - Vapor Extraction - Mass Removal Data

Attachments: A - Blaine Groundwater Monitoring Report and Field Notes
B - Vapor Analytical Data

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

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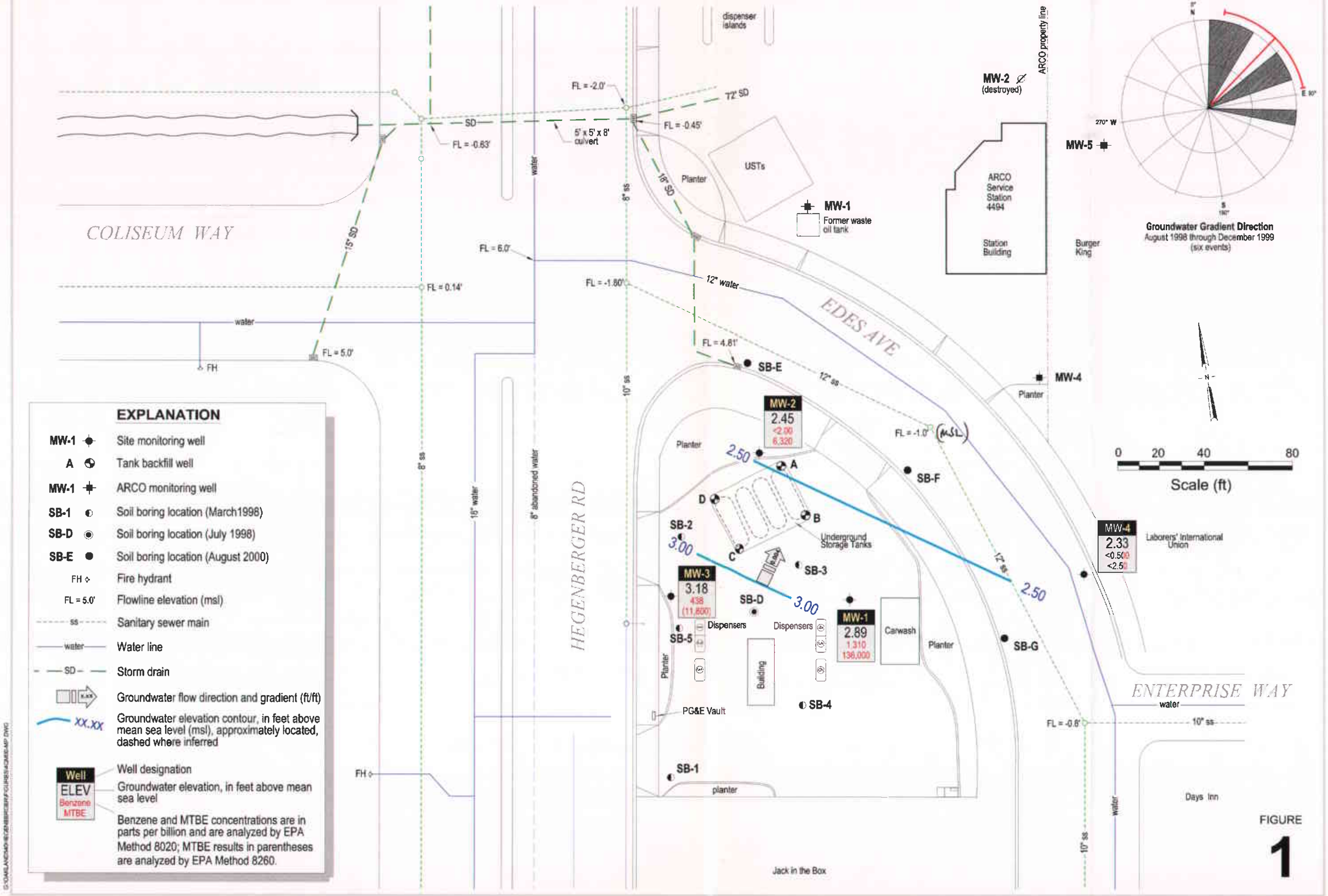
Underground Utility Map with Monitoring Well and Soil Boring Locations and Groundwater Sampling Results for

December 15, 2000



EXPLANATION

MW-1	Site monitoring well
A	Tank backfill well
MW-1	ARCO monitoring well
SB-1	Soil boring location (March1998)
SB-D	Soil boring location (July 1998)
SB-E	Soil boring location (August 2000)
FH	Fire hydrant
FL = 5.0'	Flowline elevation (msl)
ss	Sanitary sewer main
water	Water line
SD	Storm drain
	Groundwater flow direction and gradient (ft/ft)
XX.XX	Groundwater elevation contour, in feet above mean sea level (msl), approximately located, dashed where inferred

Well
ELEV
Benzene
MTBE

Well designation

Groundwater elevation, in feet above mean sea level

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.

Shell-branded Service Station
540 Hegenberger Road
Oakland, California
Incident #98995752

CAMBRIA

FIGURE
1

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995752, 540 Hegenberger Road, Oakland, California

					TPPH			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative 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)
07/29/99	BW-A	400	400	06/22/99	318	0.00106	0.00106	< 0.50	< 0.00000	< 0.00000	4,470	0.01492	0.01492
08/04/99	BW-A	2,000	2,400	06/22/99	318	0.00531	0.00637	< 0.50	< 0.00001	< 0.00001	4,470	0.07460	0.08952
08/11/99	BW-A	2,437	4,837	06/22/99	318	0.00647	0.01284	< 0.50	< 0.00001	< 0.00002	4,470	0.09090	0.18042
08/20/99	BW-A	1,213	6,050	06/22/99	318	0.00322	0.01605	< 0.50	< 0.00001	< 0.00003	4,470	0.04524	0.22566
08/30/99	BW-A	2,673	8,723	06/22/99	318	0.00709	0.02315	< 0.50	< 0.00001	< 0.00004	4,470	0.09970	0.32536
09/03/99*	BW-A	325	9,048	06/22/99	318	0.00086	0.02401	< 0.50	< 0.00000	< 0.00004	4,470	0.01212	0.33748
09/10/99*	BW-A	425	9,148	06/22/99	318	0.00113	0.02514	< 0.50	< 0.00000	< 0.00004	4,470	0.01585	0.35334
09/23/99	BW-A	615	9,763	06/22/99	318	0.00163	0.02677	< 0.50	< 0.00000	< 0.00004	4,470	0.02294	0.37628
09/29/99	BW-A	800	10,563	06/22/99	318	0.00212	0.02889	< 0.50	< 0.00000	< 0.00005	4,470	0.02984	0.40611
11/05/99	BW-A	675	11,238	06/22/99	318	0.00179	0.03068	< 0.50	< 0.00000	< 0.00005	4,470	0.02518	0.43129
07/29/99	BW-B	1,000	1,000	06/22/99	< 250	< 0.00209	< 0.00209	< 2.5	< 0.00002	< 0.00002	8,600	0.07176	0.07176
08/04/99	BW-B	800	1,800	06/22/99	< 250	< 0.00167	< 0.00375	< 2.5	< 0.00002	< 0.00210	8,600	0.05741	0.12917
08/11/99	BW-B	2,213	4,013	06/22/99	< 250	< 0.00462	< 0.00837	< 2.5	< 0.00005	< 0.00380	8,600	0.15881	0.28798
08/20/99	BW-B	1,213	5,226	06/22/99	< 250	< 0.00253	< 0.01090	< 2.5	< 0.00003	< 0.00840	8,600	0.08705	0.37503
08/30/99	BW-B	877	6,103	06/22/99	< 250	< 0.00183	< 0.01273	< 2.5	< 0.00002	< 0.01092	8,600	0.06293	0.43796
09/03/99*	BW-B	325	6,428	06/22/99	< 250	< 0.00068	< 0.01341	< 2.5	< 0.00001	< 0.01274	8,600	0.02332	0.46128
09/10/99*	BW-B	425	6,853	06/22/99	< 250	< 0.00089	< 0.01430	< 2.5	< 0.00001	< 0.01342	8,600	0.03050	0.49178
09/23/99	BW-B	750	7,603	06/22/99	< 250	< 0.00156	< 0.01586	< 2.5	< 0.00002	< 0.01431	8,600	0.05382	0.54560
09/29/99	BW-B	600	8,203	06/22/99	< 250	< 0.00125	< 0.01711	< 2.5	< 0.00001	< 0.01587	8,600	0.04306	0.58866
11/05/99	BW-B	650	8,853	06/22/99	< 250	< 0.00136	< 0.01847	< 2.5	< 0.00001	< 0.01713	8,600	0.04664	0.63530
07/29/99	BW-C	300	300	06/22/99	< 50	< 0.00013	< 0.00013	< 0.50	< 0.00000	< 0.00000	11,000	0.02754	0.02754
08/04/99	BW-C	700	1,000	06/22/99	< 50	< 0.00029	< 0.00042	< 0.50	< 0.00000	< 0.00000	11,000	0.06425	0.09179
08/11/99	BW-C	0	1,000	06/22/99	< 50	< 0.00000	< 0.00042	< 0.50	< 0.00000	< 0.00000	11,000	0.00000	0.09179
08/20/99	BW-C	1,013	2,013	06/22/99	< 50	< 0.00042	< 0.00084	< 0.50	< 0.00000	< 0.00001	11,000	0.09298	0.18477
08/30/99	BW-C	375	2,388	06/22/99	< 50	< 0.00016	< 0.00100	< 0.50	< 0.00000	< 0.00001	11,000	0.03442	0.21919
09/03/99*	BW-C	325	2,713	06/22/99	< 50	< 0.00014	< 0.00113	< 0.50	< 0.00000	< 0.00001	11,000	0.02983	0.24902
09/10/99*	BW-C	425	3,138	06/22/99	< 50	< 0.00018	< 0.00131	< 0.50	< 0.00000	< 0.00001	11,000	0.03901	0.28803

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995752, 540 Hegenberger Road, Oakland, California

					TPPH			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative 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)
09/23/99	BW-C	750	3,888	06/22/99	< 50	< 0.00031	< 0.00162	< 0.50	< 0.00000	< 0.00002	11,000	0.06884	0.35687
09/29/99	BW-C	700	4,588	06/22/99	< 50	< 0.00029	< 0.00191	< 0.50	< 0.00000	< 0.00002	11,000	0.06425	0.42112
11/05/99	BW-C	550	5,138	06/22/99	< 50	< 0.00023	< 0.00214	< 0.50	< 0.00000	< 0.00002	11,000	0.05048	0.47161
06/06/00	BW-C	926	6,064	06/22/99	< 50	< 0.00039	< 0.00253	< 0.50	< 0.00000	< 0.00003	11,000	0.08500	0.55660
09/07/00	BW-C	1,000	7,064	06/22/99	< 50	< 0.00042	< 0.00295	< 0.50	< 0.00000	< 0.00003	11,000	0.09179	0.64839
07/29/99	BW-D	1,500	1,500	06/22/99	< 50	< 0.00063	< 0.00063	< 0.500	< 0.00001	< 0.00001	2,190	0.02741	0.02741
08/04/99	BW-D	250	1,750	06/22/99	< 50	< 0.00010	< 0.00073	< 0.500	< 0.00000	< 0.00001	2,190	0.00457	0.03198
08/11/99	BW-D	0	1,750	06/22/99	< 50	< 0.00000	< 0.00073	< 0.500	< 0.00000	< 0.00001	2,190	0.00000	0.03198
08/20/99	BW-D	1,213	2,963	06/22/99	< 50	< 0.00051	< 0.00124	< 0.500	< 0.00001	< 0.00001	2,190	0.02217	0.05415
08/30/99	BW-D	280	3,243	06/22/99	< 50	< 0.00012	< 0.00135	< 0.500	< 0.00000	< 0.00001	2,190	0.00512	0.05926
09/03/99*	BW-D	325	3,568	06/22/99	< 50	< 0.00014	< 0.00149	< 0.500	< 0.00000	< 0.00001	2,190	0.00594	0.06520
09/10/99*	BW-D	425	3,993	06/22/99	< 50	< 0.00018	< 0.00167	< 0.500	< 0.00000	< 0.00002	2,190	0.00777	0.07297
09/23/99	BW-D	750	4,743	06/22/99	< 50	< 0.00031	< 0.00198	< 0.500	< 0.00000	< 0.00002	2,190	0.01371	0.08667
09/29/99	BW-D	700	5,443	06/22/99	< 50	< 0.00029	< 0.00227	< 0.500	< 0.00000	< 0.00002	2,190	0.01279	0.09947
11/05/99	BW-D	625	6,068	06/22/99	< 50	< 0.00026	< 0.00253	< 0.500	< 0.00000	< 0.00003	2,190	0.01142	0.11089
07/29/99	MW-1	150	150	06/22/99	20,000	0.02503	0.02503	100	0.00013	0.00013	150,000	0.18775	0.18775
08/04/99	MW-1	150	300	06/22/99	20,000	0.02503	0.05007	100	0.00013	0.00025	150,000	0.18775	0.37550
08/11/99	MW-1	15	315	06/22/99	20,000	0.00250	0.05257	100	0.00001	0.00026	150,000	0.01877	0.39427
08/20/99	MW-1	44	359	06/22/99	20,000	0.00734	0.05991	100	0.00004	0.00030	150,000	0.05507	0.44934
08/30/99	MW-1	218	577	06/22/99	20,000	0.03638	0.09629	100	0.00018	0.00048	150,000	0.27286	0.72220
09/03/99*	MW-1	125	702	06/22/99	20,000	0.02086	0.11715	100	0.00010	0.00059	150,000	0.15646	0.87866
09/10/99*	MW-1	75	777	06/22/99	20,000	0.01252	0.12967	100	0.00006	0.00065	150,000	0.09387	0.97253
09/23/99	MW-1	175	952	06/22/99	20,000	0.02921	0.15888	100	0.00015	0.00079	150,000	0.21904	1.19157
09/29/99	MW-1	50	1,002	06/22/99	20,000	0.00834	0.16722	100	0.00004	0.00084	150,000	0.06258	1.25416
11/05/99	MW-1	50	1,052	09/30/99	< 2,500	< 0.00104	< 0.16826	< 25.0	< 0.00001	< 0.00085	30,900	0.01289	1.26705
11/19/99	MW-1	22.5	1,075	09/30/99	< 2,500	< 0.00047	< 0.16873	< 25.0	< 0.00000	< 0.00085	30,900	0.00580	1.27285
11/24/99	MW-1	25	1,100	09/30/99	< 2,500	< 0.00052	< 0.16925	< 25.0	< 0.00001	< 0.00086	30,900	0.00645	1.27930

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Date Purged	Well ID	Volume Pumped (gal)	Cumulative 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)
12/02/99	MW-1	25	1,125	09/30/99	< 2,500	< 0.00052	< 0.16978	< 25.0	< 0.00001	< 0.00086	30,900	0.00645	1.28574
12/17/99	MW-1	25	1,150	12/10/99	< 50.0	< 0.00001	< 0.16979	29.7	0.00001	< 0.00087	76,300	0.01592	1.30166
01/03/00	MW-1	40	1,190	12/10/99	< 50.0	< 0.00002	< 0.16980	29.7	0.00001	< 0.00088	76,300	0.02547	1.32713
01/07/00	MW-1	0	1,190	12/10/99	< 50.0	< 0.00000	< 0.16980	29.7	0.00000	< 0.00088	76,300	0.00000	1.32713
01/13/00	MW-1	45	1,235	12/10/99	< 50.0	< 0.00002	< 0.16982	29.7	0.00001	< 0.00089	76,300	0.02865	1.35578
01/12/00	MW-1	35	1,270	12/10/99	< 50.0	< 0.00001	< 0.16984	29.7	0.00001	< 0.00090	76,300	0.02228	1.37806
01/25/00	MW-1	35	1,305	12/10/99	< 50.0	< 0.00001	< 0.16985	29.7	0.00001	< 0.00091	76,300	0.02228	1.40034
02/01/00	MW-1	22	1,327	12/10/99	< 50.0	< 0.00001	< 0.16986	29.7	0.00001	< 0.00091	76,300	0.01401	1.41435
02/11/00	MW-1	28	1,355	12/10/99	< 50.0	< 0.00001	< 0.16987	29.7	0.00001	< 0.00092	76,300	0.01783	1.43218
02/15/00	MW-1	25	1,380	12/10/99	< 50.0	< 0.00001	< 0.16988	29.7	0.00001	< 0.00092	76,300	0.01592	1.44809
02/23/00	MW-1	20	1,400	12/10/99	< 50.0	< 0.00001	< 0.16989	29.7	0.00000	< 0.00093	76,300	0.01273	1.46083
03/02/00	MW-1	7.5	1,407	03/02/00	< 2,500	< 0.00016	< 0.17005	< 25.0	< 0.00000	< 0.00093	27,600	0.00173	1.46255
03/10/00	MW-1	40	1,447	03/02/00	< 2,500	< 0.00083	< 0.17088	< 25.0	< 0.00001	< 0.00094	27,600	0.00921	1.47177
03/15/00	MW-1	25	1,472	03/02/00	< 2,500	< 0.00052	< 0.17140	< 25.0	< 0.00001	< 0.00094	27,600	0.00576	1.47752
03/21/00	MW-1	25	1,497	03/02/00	< 2,500	< 0.00052	< 0.17193	< 25.0	< 0.00001	< 0.00095	27,600	0.00576	1.48328
03/27/00	MW-1	30	1,527	03/02/00	< 2,500	< 0.00063	< 0.17255	< 25.0	< 0.00001	< 0.00096	27,600	0.00691	1.49019
04/07/00	MW-1	45	1,572	03/02/00	< 2,500	< 0.00094	< 0.17349	< 25.0	< 0.00001	< 0.00097	27,600	0.01036	1.50056
04/13/00	MW-1	30	1,602	03/02/00	< 2,500	< 0.00063	< 0.17412	< 25.0	< 0.00001	< 0.00097	27,600	0.00691	1.50746
04/20/00	MW-1	25	1,627	03/02/00	< 2,500	< 0.00052	< 0.17464	< 25.0	< 0.00001	< 0.00098	27,600	0.00576	1.51322
04/26/00	MW-1	25	1,652	03/02/00	< 2,500	< 0.00052	< 0.17516	< 25.0	< 0.00001	< 0.00098	27,600	0.00576	1.51898
05/04/00	MW-1	28	1,680	03/02/00	< 2,500	< 0.00058	< 0.17574	< 25.0	< 0.00001	< 0.00099	27,600	0.00645	1.52543
05/09/00	MW-1	45	1,725	03/02/00	< 2,500	< 0.00094	< 0.17668	< 25.0	< 0.00001	< 0.00100	27,600	0.01036	1.53579
05/17/00	MW-1	27	1,752	03/02/00	< 2,500	< 0.00056	< 0.17724	< 25.0	< 0.00001	< 0.00100	27,600	0.00622	1.54201
05/22/00	MW-1	25	1,777	03/02/00	< 2,500	< 0.00052	< 0.17777	< 25.0	< 0.00001	< 0.00101	27,600	0.00576	1.54777
06/01/00	MW-1	25	1,802	03/02/00	< 2,500	< 0.00052	< 0.17829	< 25.0	< 0.00001	< 0.00101	27,600	0.00576	1.55353
06/06/00	MW-1	175	1,977	03/02/00	< 2,500	< 0.00365	< 0.18194	< 25.0	< 0.00004	< 0.00105	27,600	0.04030	1.59383
06/08/00	MW-1	43	2,020	03/02/00	< 2,500	< 0.00090	< 0.18284	< 25.0	< 0.00001	< 0.00106	27,600	0.00990	1.60373
06/15/00	MW-1	29	2,049	06/08/00	< 2,000	< 0.00048	< 0.18332	< 20.0	< 0.00000	< 0.00106	**67,600**	0.01636	1.62009
07/10/00	MW-1	169	2,218	06/08/00	< 2,000	< 0.00282	< 0.18614	< 20.0	< 0.00003	< 0.00109	**67,600**	0.09533	1.71542

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					TPPH			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative 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)
09/07/00	MW-1	100	2,318	09/05/00	< 10,000	< 0.00834	< 0.19448	411	0.00034	< 0.00144	**115,000**	0.09596	1.81138
10/23/00*	MW-1	100	2,418	09/05/00	< 10,000	< 0.00834	< 0.20283	411	0.00034	< 0.00178	71,100	0.05933	1.87071
11/30/00	MW-1	160	2,578	09/05/00	< 10,000	< 0.01335	< 0.21618	411	0.00055	< 0.00233	71,100	0.09493	1.96563
12/21/00	**MW-1**	**125**	**2,703**	**12/15/00**	**35,600**	**0.03713**	**< 0.25331**	**1,310**	**0.00137**	**< 0.00369**	**136,000**	**0.00014**	1.96577 2.10563
07/29/99	MW-3	100	100	06/22/99	58,000	0.04840	0.04840	6,600	0.00551	0.00551	**653,000**	0.54489	0.54489
08/04/99	MW-3	100	200	06/22/99	58,000	0.04840	0.09679	6,600	0.00551	0.01101	**653,000**	0.54489	1.08977
08/11/99	MW-3	45	245	06/22/99	58,000	0.02178	0.11857	6,600	0.00248	0.01349	**653,000**	0.24520	1.33497
08/20/99	MW-3	55	300	06/22/99	58,000	0.02662	0.14519	6,600	0.00303	0.01652	**653,000**	0.29969	1.63466
08/30/99	MW-3	77	377	06/22/99	58,000	0.03727	0.18246	6,600	0.00424	0.02076	**653,000**	0.41956	2.05422
09/03/99*	MW-3	50	427	06/22/99	58,000	0.02420	0.20666	6,600	0.00275	0.02352	**653,000**	0.27244	2.32667
09/10/99*	MW-3	40	467	06/22/99	58,000	0.01936	0.22602	6,600	0.00220	0.02572	**653,000**	0.21795	2.54462
09/23/99	MW-3	10	477	06/22/99	58,000	0.00484	0.23085	6,600	0.00055	0.02627	**653,000**	0.05449	2.59911
09/29/99	MW-3	50	527	06/22/99	58,000	0.02420	0.25505	6,600	0.00275	0.02902	**653,000**	0.27244	2.87155
11/05/99	MW-3	50	577	09/30/99	4,360	0.00182	0.25687	121	0.00005	0.02907	**35,600**	0.01485	2.88640
11/19/99	MW-3	22.5	600	09/30/99	4,360	0.00082	0.25769	121	0.00002	0.02910	**35,600**	0.00668	2.89309
11/24/99	MW-3	28	628	09/30/99	4,360	0.00102	0.25871	121	0.00003	0.02912	**35,600**	0.00832	2.90141
12/02/99	MW-3	25	653	09/30/99	4,360	0.00091	0.25962	121	0.00003	0.02915	**35,600**	0.00743	2.90883
12/17/99	MW-3	35	688	12/10/99	4,220	0.00123	0.26085	973	0.00028	0.02943	**88,200**	0.02576	2.93459
01/03/00	MW-3	40	728	12/10/99	4,220	0.00141	0.26226	973	0.00032	0.02976	**88,200**	0.02944	2.96403
01/07/00	MW-3	0	728	12/10/99	4,220	0.00000	0.26226	973	0.00000	0.02976	**88,200**	0.00000	2.96403
01/13/00	MW-3	45	773	12/10/99	4,220	0.00158	0.26385	973	0.00037	0.03012	**88,200**	0.03312	2.99715
01/21/00	MW-3	35	808	12/10/99	4,220	0.00123	0.26508	973	0.00028	0.03041	**88,200**	0.02576	3.02291
01/25/00	MW-3	38	846	12/10/99	4,220	0.00134	0.26642	973	0.00031	0.03072	**88,200**	0.02797	3.05088
02/01/00	MW-3	23	869	12/10/99	4,220	0.00081	0.26723	973	0.00019	0.03090	**88,200**	0.01693	3.06780
02/11/00	MW-3	22	891	12/10/99	4,220	0.00077	0.26800	973	0.00018	0.03108	**88,200**	0.01619	3.08399
02/15/00	MW-3	22	913	12/10/99	4,220	0.00077	0.26877	973	0.00018	0.03126	**88,200**	0.01619	3.10019
02/23/00	MW-3	30	943	12/10/99	4,220	0.00106	0.26983	973	0.00024	0.03150	**88,200**	0.02208	3.12226
03/02/00	MW-3	7	950	03/02/00	65,300	0.00381	0.27365	5,210	0.00030	0.03181	**59,800**	0.00349	3.12576

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995752, 540 Hegenberger Road, Oakland, California

					TPPH			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative 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)
03/10/00	MW-3	42	992	03/02/00	65,300	0.02289	0.29653	5,210	0.00183	0.03363	**59,800**	0.02096	3.14672
03/15/00	MW-3	20	1,012	03/02/00	65,300	0.01090	0.30743	5,210	0.00087	0.03450	**59,800**	0.00998	3.15670
03/21/00	MW-3	25	1,037	03/02/00	65,300	0.01362	0.32105	5,210	0.00109	0.03559	**59,800**	0.01247	3.16917
03/27/00	MW-3	40	1,077	03/02/00	65,300	0.02180	0.34285	5,210	0.00174	0.03733	**59,800**	0.01996	3.18913
04/07/00	MW-3	45	1,122	03/02/00	65,300	0.02452	0.36737	5,210	0.00196	0.03929	**59,800**	0.02245	3.21158
04/13/00	MW-3	30	1,152	03/02/00	65,300	0.01635	0.38371	5,210	0.00130	0.04059	**59,800**	0.01497	3.22655
04/20/00	MW-3	25	1,177	03/02/00	65,300	0.01362	0.39733	5,210	0.00109	0.04168	**59,800**	0.01247	3.23903
04/26/00	MW-3	30	1,207	03/02/00	65,300	0.01635	0.41368	5,210	0.00130	0.04298	**59,800**	0.01497	3.25400
05/04/00	MW-3	26	1,233	03/02/00	65,300	0.01417	0.42785	5,210	0.00113	0.04411	**59,800**	0.01297	3.26697
05/09/00	MW-3	45	1,278	03/02/00	65,300	0.02452	0.45237	5,210	0.00196	0.04607	**59,800**	0.02245	3.28943
05/17/00	MW-3	27	1,305	03/02/00	65,300	0.01471	0.46708	5,210	0.00117	0.04724	**59,800**	0.01347	3.30290
05/22/00	MW-3	25	1,330	03/02/00	65,300	0.01362	0.48070	5,210	0.00109	0.04833	**59,800**	0.01247	3.31537
06/01/00	MW-3	25	1,355	03/02/00	65,300	0.01362	0.49432	5,210	0.00109	0.04942	**59,800**	0.01247	3.32785
06/06/00	MW-3	240	1,595	03/02/00	65,300	0.13077	0.62510	5,210	0.01043	0.05985	**59,800**	0.11976	3.44761
06/08/00	MW-3	42	1,637	03/02/00	65,300	0.02289	0.64798	5,210	0.00183	0.06168	**59,800**	0.02096	3.46857
06/15/00	MW-3	29	1,666	06/08/00	72,700	0.01759	0.66557	3,570	0.00086	0.06254	44,400	0.01074	3.47931
07/10/00	MW-3	101	1,767	06/08/00	72,700	0.06127	# 0.72684	3,570	0.00301	0.06555	44,400	0.03742	3.51673
09/07/00	MW-3	265	2,032	09/05/00	26,100	0.05771	# 0.78456	959	0.00212	0.06767	24,000	0.05307	3.56980
10/23/00*	MW-3	250	2,282	09/05/00	26,100	0.05445	# 0.83901	959	0.00200	0.06967	24,000	0.05007	3.61987
11/30/00	MW-3	210	2,492	09/05/00	26,100	0.04574	# 0.88474	959	0.00168	0.07135	24,000	0.04206	3.66192
12/21/00	MW-3	150	2,642	12/15/00	5,190	0.00650	# 0.89124	438	0.00055	0.07190	**11,800**	0.01477	3.67669
Total Gallons Extracted:		**38,893**			**Total Pounds Removed:**		**< 1.19918**			**< 0.07588**			**7.46834**
					Total Gallons Removed:		**< 0.19659**			**< 0.01039**			**1.20457**

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995752, 540 Hegenberger Road, Oakland, California

					TPPH			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative 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)

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
* = Ground water extracted per well estimated; subcontractor did not report individual well volumes
Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x (g/10^6µg) x (pound/453.6g) x (3.785 L/gal)
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. Water disposed of at a Martinez Refinery.

Table 2: Vapor Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995752, 540 Hegenberger Road, Oakland, California

							TPHg		Benzene		MTBE	
		Interval Hours of	System Flow	Hydrocarbon Concentrations			TPHg Removal	Cumulative TPHg	Benzene Removal	Cumulative Benzene	MTBE Removal	Cumulative MTBE
Date	Well ID	Operation (hours)	Rate (CFM)	TPHg	Benzene	MTBE	Rate (#/hour)	Removed (#)	Rate (#/hour)	Removed (#)	Rate (#/hour)	Removed (#)
				(Concentrations in ppmv)								
06/06/00	MW-1	3.63	12.76	4.4	0.192	20.7	0.001	0.003	0.000	0.000	0.004	0.013
07/10/00	MW-1	3.00	11	< 28	< 0.31	30	< 0.004	< 0.015	< 0.000	< 0.000	0.005	0.027
09/07/00	MW-1	2.00	2.4	25.4	2.51	138	0.001	< 0.017	0.000	< 0.000	0.005	0.036
10/23/00	MW-1	2.62	0.7	1,650	61.6	392	0.015	< 0.057	0.001	< 0.002	0.004	0.046
11/30/00	MW-1	4.00	7.0	561	< 1.57	62.8	0.052	< 0.267	0.000	< 0.002	0.006	0.070
12/21/00	MW-1	2.00	2.1	< 2.838	< 0.031	< 0.277	0.000	< 0.267	0.000	< 0.002	0.000	0.070
06/06/00	MW-3	5.67	9.35	1,371	27.6	32	0.171	0.972	0.003	0.018	0.004	0.023
07/10/00	MW-3	2.00	11	564	8.9	76	0.083	1.137	0.001	0.020	0.011	0.046
09/07/00	MW-3	3.92	4.7	2,832	109	244	0.178	1.835	0.006	0.044	0.016	0.108
10/23/00	MW-3	3.62	1.4	3,040	45.6	323	0.057	2.041	0.001	0.047	0.006	0.130
11/30/00	MW-3	2.00	2.5	23,800	59.9	974	0.795	3.632	0.002	0.051	0.033	0.197
12/21/00	MW-3	4.50	3.0	< 2.838	< 0.031	< 0.277	0.000	3.632	0.000	0.051	0.000	0.197
Total Pounds Removed:							**TPHg = < 3.900**		**Benzene = < 0.053**		**MTBE = 0.266**	

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

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)

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

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
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January 16, 2001

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

Fourth Quarter 2000 Groundwater Monitoring at
Shell-branded Service Station
540 Hegenberger Road
Oakland, CA

Monitoring performed on September 25
and December 15, 2000

Groundwater Monitoring Report **001215-R-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, 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,

Deidre Kerwin
Operations Manager

DK/jt

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

cc: Anni Kreml
Cambria Environmental Technology, Inc.
1144 65th Street
Oakland, CA 94608-2411

WELL CONCENTRATIONS
Shell-branded Service Station
540 Hegenberger Road
Oakland, CA
WIC #204-5508-5900

Well ID	Date	TPPH (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.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1 (a)	8/26/98	2,700	28	55	59	39	33,000	NA	10.54	7.91	2.63	1.8
MW-1 (b)	8/26/98	<1,000	22	<10	<10	<10	17,000	NA	10.54	7.91	2.63	2.2
MW-1	12/28/98	<5,000	<50.0	<50.0	<50.0	<50.0	153,000	33,000	10.54	8.75	1.79	1.9
MW-1	3/29/99	<2,000	<20.0	<20.0	<20.0	<20.0	693,000	NA	10.54	8.32	2.22	2.0
MW-1	6/22/99	20,000	<200	<200	<200	<200	150,000	NA	10.54	9.05	1.49	1.7
MW-1	9/30/99	<2,500	<25.0	<25.0	<25.0	<25.0	30,900	NA	10.54	8.35	2.19	2.6
MW-1	11/19/99	NA	NA	NA	NA	NA	NA	NA	10.54	9.58	0.96	NA
MW-1	11/24/99	NA	NA	NA	NA	NA	NA	NA	10.54	9.65	0.89	NA
MW-1	12/2/99	NA	NA	NA	NA	NA	NA	NA	10.54	9.55	0.99	NA
MW-1	12/10/99	<50.0	29.7	<20.0	<20.0	<20.0	76,300	NA	10.54	8.86	1.68	1.2
MW-1	3/2/00	<2,500	<25.0	<25.0	<25.0	<25.0	27,600	NA	10.54	8.83	1.71	3.2
MW-1	6/8/00	<2,000	<20.0	<20.0	<20.0	<20.0	59,000	67,600	10.54	7.78	2.76	1.9
MW-1	9/5/00	<10,000	411	<100	<100	<100	71,100	115,000e	10.54	7.84	2.70	NA
MW-1	**12/15/00**	**35,600**	**1310**	**<50.0**	**<50.0**	**<50.0**	**136,000**	**f**	**10.54**	**7.65**	**2.89**	**NA**
MW-2 (a)	8/26/98	<250	3.2	<2.5	<2.5	<2.5	4,000	NA	9.21	7.18	2.03	2.4
MW-2 (b)	8/26/98	<250	3.1	<2.5	<2.5	<2.5	4,800	NA	9.21	7.18	2.03	2.7
MW-2 (D)(b)	8/26/98	<250	4.8	<2.5	<2.5	6.0	3,300	NA	9.21	7.18	2.03	2.7
MW-2	12/28/98	<50.0	<0.500	<0.500	<0.500	<0.500	28.8	NA	9.21	7.34	1.87	2.1
MW-2	3/29/99	235	<0.500	<0.500	<0.500	3.4	101	NA	9.21	6.85	2.36	2.0
MW-2	6/22/99	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	9.21	7.10	2.11	1.9
MW-2	9/30/99	<50.0	<0.500	<0.500	<0.500	<0.500	1,700	NA	9.21	8.06	1.15	1.0
MW-2	12/10/99	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	9.21	8.61	0.60	1.4
MW-2	3/2/00	<500	11.5	<5.00	<5.00	<5.00	5,280	NA	9.21	6.33	2.88	0.4
MW-2	6/8/00	<50.0	0.670	<0.500	<0.500	<0.500	3,160	NA	9.21	6.87	2.34	1.6
MW-2	9/5/00	<1,000	<10.0	<10.0	<10.0	<10.0	9,600	NA	9.21	6.79	2.42	NA

WELL CONCENTRATIONS
Shell-branded Service Station
540 Hegenberger Road
Oakland, CA
WIC #204-5508-5900

Well ID	Date	TPPH (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.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	**12/15/00**	**<200**	**<2.00**	**<2.00**	**<2.00**	**<2.00**	**6,320**	**NA**	**9.21**	**6.76**	**2.45**	**NA**
MW-3 (a)	8/26/98	2,300	180	330	<0.50	420	44,000	NA	9.45	6.52	2.93	1.8
MW-3 (b)	8/26/98	<50	<0.50	<0.50	<0.50	<0.50	52,000	75,000	9.45	6.52	2.93	2.3
MW-3	12/28/98	<5,00	139	<50.0	<50.0	<50.0	15,100	NA	9.45	6.73	2.72	1.7
MW-3	3/29/99	52,500	5,500	6,900	1,360	6,250	508,000	630,000 (c)	9.45	6.21	3.24	2.1
MW-3	6/22/99	58,000	6,600	9,850	1,640	6,950	677,000	653,000	9.45	7.00	2.45	1.3
MW-3	9/30/99	4,360	121	122	36.1	647	33,700	35,600	9.45	6.84	2.61	0.6
MW-3	11/19/99	NA	NA	NA	NA	NA	NA	NA	9.45	7.93	1.52	NA
MW-3	11/24/99	NA	NA	NA	NA	NA	NA	NA	9.45	8.25	1.20	NA
MW-3	12/2/99	NA	NA	NA	NA	NA	NA	NA	9.45	7.55	1.90	NA
MW-3	12/10/99	4,220	973	26.3	273	584	88,200	NA	9.45	7.28	2.17	2.5
MW-3	3/2/00	65,300	5,210	10,300	2,650	15,100	56,800	59,800e	9.45	5.87	3.58	d
MW-3	6/8/00	72,700	3,570	10,200	2,100	13,400	44,400	NA	9.45	5.32	4.13	1.1
MW-3	9/5/00	26,100	959	2,910	1,090	5,640	24,000	NA	9.45	5.60	3.85	NA
MW-3	**12/15/00**	**5,190**	**438**	**8.39**	**483**	**530**	**19,100**	**11,800f**	**9.45**	**6.27**	**3.18**	**NA**
MW-4	**9/25/00**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**9.88**	**7.64**	**2.24**	**NA**
MW-4	**12/15/00**	**<50.0**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**9.88**	**7.55**	**2.33**	**NA**
A	6/22/99	318	<0.50	<0.50	0.590	1.48	4,470	NA	NA	4.71	NA	1.1
B	6/22/99	<250	<2.5	<2.5	<2.5	<2.5	8,600	NA	NA	5.90	NA	1.2
C	6/22/99	<50	<0.50	<0.50	<0.50	0.98	11,000	NA	NA	5.91	NA	1.6
D	6/22/99	<50.0	<0.500	<0.500	<0.500	<0.500	2,190	NA	NA	4.78	NA	1.4

WELL CONCENTRATIONS
Shell-branded Service Station
540 Hegenberger Road
Oakland, CA
WIC #204-5508-5900

Well ID	Date	TPPH (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.)	GW Elevation (MSL)	DO Reading (ppm)

Abbreviations:

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

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

MTBE = methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

GW = Groundwater

DO = Dissolved Oxygen

ppm = parts per million

ug/L = parts per billion

msl = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

NA = Not applicable

Notes:

a = pre-purge

b = post purge

c = Lab confirmed MTBE by mistake. MTBE value at MW-1 should have been confirmed instead.

d = DO reading not taken.

e = Sample was analyzed outside of the EPA recommended holding time.

f = The second highest MTBE hit was mistakenly confirmed. MTBE for MW-1 should have been confirmed.

Site surveyed September 21, 2000 by Virgil Chavez Land Surveying of Vallejo, California.

Sequoia
Analytical

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11 January, 2001

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

RE: 540 Hegenberger Rd.
Sequoia Report: MJL0580

Enclosed are the results of analyses for samples received by the laboratory on 12/15/00 11:37. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Client Services Manager

CA ELAP Certificate #1210

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Blaine Tech Services (Shell)	Project: 540 Hegenberger Rd.	
1680 Rogers Avenue	Project Number: 540 Hegenberger Rd., Oakland CA	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	01/11/01 11:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4	MJL0580-01	Water	12/15/00 13:06	12/15/00 11:37
MW-2	MJL0580-02	Water	12/15/00 13:45	12/15/00 11:37
MW-3	MJL0580-03	Water	12/15/00 14:45	12/15/00 11:37
MW-1	MJL0580-04	Water	12/15/00 14:15	12/15/00 11:37

Wayne Stevenson, Client Services Manager

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1680 Rogers Avenue	Project Number: 540 Hegenberger Rd., Oakland CA	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	01/11/01 11:56

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-4 (MJL0580-01) Water Sampled: 12/15/00 13:06 Received: 12/15/00 11:37									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0L20003	12/20/00	12/20/00	DHS LUFT	
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: a,a,a-Trifluorotoluene		*70.2 %*		*70-130*		"	"	"	
MW-2 (MJL0580-02) Water Sampled: 12/15/00 13:45 Received: 12/15/00 11:37									
Purgeable Hydrocarbons	ND	200	ug/l	4	0L21004	12/21/00	12/21/00	DHS LUFT	
Benzene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
Xylenes (total)	ND	2.00	"	"	"	"	"	"	
Methyl tert-butyl ether	**6320**	125	"	50	"	"	12/21/00	"	M-03
Surrogate: a,a,a-Trifluorotoluene		*94.7 %*		*70-130*		"	*12/21/00*	"	
MW-3 (MJL0580-03) Water Sampled: 12/15/00 14:45 Received: 12/15/00 11:37									
Purgeable Hydrocarbons	**5190**	500	ug/l	10	0L22002	12/22/00	12/22/00	DHS LUFT	
Benzene	**438**	5.00	"	"	"	"	"	"	
Toluene	**8.39**	5.00	"	"	"	"	"	"	
Ethylbenzene	**483**	5.00	"	"	"	"	"	"	
Xylenes (total)	**530**	5.00	"	"	"	"	"	"	
Methyl tert-butyl ether	**19100**	250	"	100	"	"	12/21/00	"	A-01a,M-03
Surrogate: a,a,a-Trifluorotoluene		*115 %*		*70-130*		"	*12/22/00*	"	

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Blaine Tech Services (Shell)	Project: 540 Hegenberger Rd.	
1680 Rogers Avenue	Project Number: 540 Hegenberger Rd., Oakland CA	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	01/11/01 11:56

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-1 (MJL0580-04) Water Sampled: 12/15/00 14:15 Received: 12/15/00 11:37									
Purgeable Hydrocarbons	**35600**	5000	ug/l	100	0L22002	12/22/00	12/22/00	DHS LUFT	
Benzene	**1310**	50.0	"	"	"	"	"	"	
Toluene	ND	50.0	"	"	"	"	"	"	
Ethylbenzene	ND	50.0	"	"	"	"	"	"	
Xylenes (total)	ND	50.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**136000**	2500	"	1000	"	"	12/20/00	"	A-01,M-03
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*70-130*		"	"	*12/22/00*	"	

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Blaine Tech Services (Shell)	Project: 540 Hegenberger Rd.	
1680 Rogers Avenue	Project Number: 540 Hegenberger Rd., Oakland CA	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	01/11/01 11:56

MTBE Confirmation by EPA Method 8260A

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MJL0580-03) Water Sampled: 12/15/00 14:45 Received: 12/15/00 11:37									
Methyl tert-butyl ether	**11800**	500	ug/l	500	1A02016	12/29/00	12/29/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*		"	"	"	"	

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Blaine Tech Services (Shell)	Project: 540 Hegenberger Rd.	
1680 Rogers Avenue	Project Number: 540 Hegenberger Rd., Oakland CA	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	01/11/01 11:56

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 0L20003 - EPA 5030B [P/T]										
Blank (0L20003-BLK1)				Prepared & Analyzed: 12/20/00						
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: a,a,a-Trifluorotoluene	*9.36*		"	*10.0*		*93.6*	*70-130*			
LCS (0L20003-BS1)				Prepared & Analyzed: 12/20/00						
Purgeable Hydrocarbons	98.6	50.0	ug/l				70-130			
Benzene	9.97	0.500	"	10.0		99.7	70-130			
Toluene	9.31	0.500	"	10.0		93.1	70-130			
Ethylbenzene	9.38	0.500	"	10.0		93.8	70-130			
Xylenes (total)	27.5	0.500	"	30.0		91.7	70-130			
Methyl tert-butyl ether	ND	2.50	"				70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.52*		"	*10.0*		*95.2*	*70-130*			
Matrix Spike (0L20003-MS1)		**Source: MJL0578-03**		Prepared & Analyzed: 12/20/00						
Purgeable Hydrocarbons	91.8	50.0	ug/l		ND		60-140			
Benzene	9.29	0.500	"	10.0	ND	92.9	60-140			
Toluene	8.57	0.500	"	10.0	ND	85.7	60-140			
Ethylbenzene	8.61	0.500	"	10.0	ND	86.1	60-140			
Xylenes (total)	25.6	0.500	"	30.0	ND	85.3	60-140			
Methyl tert-butyl ether	ND	2.50	"		ND		60-140			
Surrogate: a,a,a-Trifluorotoluene	*8.53*		"	*10.0*		*85.3*	*70-130*			
Matrix Spike Dup (0L20003-MSD1)		**Source: MJL0578-03**		Prepared & Analyzed: 12/20/00						
Purgeable Hydrocarbons	94.8	50.0	ug/l		ND		60-140	3.22	25	
Benzene	9.29	0.500	"	10.0	ND	92.9	60-140	0	25	
Toluene	8.62	0.500	"	10.0	ND	86.2	60-140	0.582	25	
Ethylbenzene	8.62	0.500	"	10.0	ND	86.2	60-140	0.116	25	
Xylenes (total)	25.8	0.500	"	30.0	ND	86.0	60-140	0.778	25	
Methyl tert-butyl ether	ND	2.50	"		ND		60-140		25	
Surrogate: a,a,a-Trifluorotoluene	*8.45*		"	*10.0*		*84.5*	*70-130*			

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1680 Rogers Avenue	Project Number: 540 Hegenberger Rd., Oakland CA	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	01/11/01 11:56

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 0L21004 - EPA 5030B [P/T]										
Blank (0L21004-BLK1)				Prepared & Analyzed: 12/21/00						
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: a,a,a-Trifluorotoluene	*10.4*		"	*10.0*		*104*	*70-130*			
LCS (0L21004-BS1)				Prepared & Analyzed: 12/21/00						
Purgeable Hydrocarbons	224	50.0	ug/l	250		89.6	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.48*		"	*10.0*		*94.8*	*70-130*			
Matrix Spike (0L21004-MS1)		**Source: MJL0546-08**		Prepared & Analyzed: 12/21/00						
Purgeable Hydrocarbons	224	50.0	ug/l	250	ND	89.6	60-140			
Surrogate: a,a,a-Trifluorotoluene	*10.9*		"	*10.0*		*109*	*70-130*			
Matrix Spike Dup (0L21004-MSD1)		**Source: MJL0546-08**		Prepared & Analyzed: 12/21/00						
Purgeable Hydrocarbons	228	50.0	ug/l	250	ND	91.2	60-140	1.77	25	
Surrogate: a,a,a-Trifluorotoluene	*9.72*		"	*10.0*		*97.2*	*70-130*			
Batch 0L22002 - EPA 5030B [P/T]										
Blank (0L22002-BLK1)				Prepared & Analyzed: 12/22/00						
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: a,a,a-Trifluorotoluene	*10.1*		"	*10.0*		*101*	*70-130*			

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Blaine Tech Services (Shell)	Project: 540 Hegenberger Rd.	
1680 Rogers Avenue	Project Number: 540 Hegenberger Rd., Oakland CA	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	01/11/01 11:56

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 0L22002 - EPA 5030B [P/T]										
LCS (0L22002-BS1)				Prepared & Analyzed: 12/22/00						
Purgeable Hydrocarbons	220	50.0	ug/l	250		88.0	70-130			
Benzene	5.13	0.500	"				70-130			
Toluene	19.6	0.500	"				70-130			
Ethylbenzene	4.73	0.500	"				70-130			
Xylenes (total)	22.2	0.500	"				70-130			
Methyl tert-butyl ether	5.92	2.50	"				70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.9*		"	*10.0*		*109*	*70-130*			
Matrix Spike (0L22002-MS1)		**Source: MJL0592-03**		Prepared & Analyzed: 12/22/00						
Purgeable Hydrocarbons	221	50.0	ug/l	250	ND	88.4	60-140			
Benzene	5.34	0.500	"		ND		60-140			
Toluene	20.0	0.500	"		ND		60-140			
Ethylbenzene	4.96	0.500	"		ND		60-140			
Xylenes (total)	23.2	0.500	"		ND		60-140			
Methyl tert-butyl ether	6.63	2.50	"		ND		60-140			
Surrogate: a,a,a-Trifluorotoluene	*11.1*		"	*10.0*		*111*	*70-130*			
Matrix Spike Dup (0L22002-MSD1)		**Source: MJL0592-03**		Prepared & Analyzed: 12/22/00						
Purgeable Hydrocarbons	205	50.0	ug/l	250	ND	82.0	60-140	7.51	25	
Benzene	5.00	0.500	"		ND		60-140	6.58	25	
Toluene	19.4	0.500	"		ND		60-140	3.05	25	
Ethylbenzene	4.63	0.500	"		ND		60-140	6.88	25	
Xylenes (total)	22.5	0.500	"		ND		60-140	3.06	25	
Methyl tert-butyl ether	7.22	2.50	"		ND		60-140	8.52	25	
Surrogate: a,a,a-Trifluorotoluene	*10.2*		"	*10.0*		*102*	*70-130*			

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Blaine Tech Services (Shell)	Project: 540 Hegenberger Rd.	
1680 Rogers Avenue	Project Number: 540 Hegenberger Rd., Oakland CA	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	01/11/01 11:56

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 1A02016 - EPA 5030B [P/T]										
Blank (1A02016-BLK1)				Prepared & Analyzed: 12/29/00						
Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*8.77*		"	*10.0*		*87.7*	*70-130*			
LCS (1A02016-BS1)				Prepared & Analyzed: 12/29/00						
Methyl tert-butyl ether	9.63	1.00	ug/l	10.0		96.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	*10.3*		"	*10.0*		*103*	*70-130*			
Matrix Spike (1A02016-MS1)		**Source: MJL0425-01**		Prepared & Analyzed: 12/29/00						
Methyl tert-butyl ether	2660	50.0	ug/l	1000	1730	93.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	*10.4*		"	*10.0*		*104*	*70-130*			
Matrix Spike Dup (1A02016-MSD1)		**Source: MJL0425-01**		Prepared & Analyzed: 12/29/00						
Methyl tert-butyl ether	2480	50.0	ug/l	1000	1730	75.0	70-130	7.00	25	
Surrogate: 1,2-Dichloroethane-d4	*10.3*		"	*10.0*		*103*	*70-130*			

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Blaine Tech Services (Shell)	Project: 540 Hegenberger Rd.	
1680 Rogers Avenue	Project Number: 540 Hegenberger Rd., Oakland CA	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	01/11/01 11:56

Notes and Definitions

A-01	MTBE was prepared on 10/20/00
A-01a	MTBE was prepared on 12/20/00
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

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY 00125 RZ

CLIENT: Equiva - Karen Petryna

SITE: 540 Hegenberger Road
Oakland, CA

LAB: SEQUOIA

DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION ____
☐ LIA
☐ OTHER 98995752

SPECIAL INSTRUCTIONS: MTL0580

Send invoice to Equiva

Incident # 98995752

Send report to Blaine Tech Services, Inc.

ATTN: Nick Sudano

	DATE	TIME	MATRIX S=SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260				ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW 4	12/15/00	1306	W	3	HCl VOA	01	X	X										
MW 2	"	1345	W	3	"	02	X	X							Confirm h. shoot			
MW 3	"	1445	"	3	"	03	X	X							MTBE by 8260			
MW 1	"	1415	"	3	"	04	X	X										

SAMPLING COMPLETED: DATE 12/15/00 TIME 1500

SAMPLING PERFORMED BY: Jared Rowe

RESULTS NEEDED NO LATER THAN: 5+d.

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Jared Rowe	12/18	8:33	Thomas M	12/18/00	8:33
JM	12/18/00	11:37	[illegible]	12/18/00	1137

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

WELL GAUGING DATA

Project # 000925N-3 Date 9/25/00 Client Equiva

Site 5710 Hegenberger, 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-4	4					7.64	17.92	S	

WELL DEVELOPMENT DATA SHEET

Project #: 000725W-3	Client: Equilon
Developer: GT	Date Developed: 9/25/00
Well I.D. MW-11	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth:	Depth to Water:
Before 17.92 After 18.62	Before 7.62 After 9.08
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

6.1	X	10	=	61.0
1 Case Volume		Specified Volumes		gallons

Purging Device: Bailer ☐ Electric Submersible ☒
Middleburg ☒ Suction Pump ☐

Type of Installed Pump
Other equipment used 4" SURGE BLOCK prior to purge

TIME	TEMP (F)	pH (pH buffs broke on turbidimeter)	COND.	TURBIDITY	VOLUME REMOVED:	NOTATIONS:
850	66.9	—	5190	>200	7 gal	hard bottom switch to sub
859	68.8	—	5317	>200	14 gal	
904	68.2	—	5375	>200	28 gal	
906	68.9	—	5355	>200	35 gal	
910	69.4	—	5351	>200	49	
914	68.9	—	5304	>200	56 gal	
916	69.0	—	5290	>200	63 gal	

Did Well Dewater? NO If yes, note above. Gallons Actually Evacuated: 65

WELL GAUGING DATA

Project # 001215 R2 Date 12/15/01 Client Equiva

Site 540 Hegenberger 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	2	greased	w/ stinger in well.			7.65	24.23	TOC	3
MW 2	2					6.76	19.53		2
MW 3	2	greased	w/ stinger in well.			6.77	19.46		4
MW 4	4					7.55	18.36		1

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001215 RZ	Site: 540 Hegenberger
Sampler: Jared	Date: 12/15/00
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 24.23	Depth to Water: 7.65
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: _____

2.7 (Gals.) X	3	=	7.0 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	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1402	64.5	6.9	5650 NS	194	3	sheen
1406	65.0	6.8	4580	142	6	
1413	65.4	7.1	4900	85	9	

Did well dewater? Yes (No)	Gallons actually evacuated: 9
Sampling Time: 1415	Sampling Date: 12/15/00
Sample I.D.: MW 1	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

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001215 RZ	Site: 540 Hegenberger
Sampler: Jam	Date: 12/15/00
Well I.D.: MW-1 2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.53	Depth to Water: ~~7.65~~ 6.76
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: _____

2.0 / 6.0

4 (Gals.) X 3 = 5.7 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	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1336	66.5	6.8	1090 µs	94	2	
1340	66.8	7.0	1050	31	4	
1344	67.1	6.8	1060	25	6	

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Time: MW 1345 Sampling Date: 12/15/00

Sample I.D.: ~~MW-1~~ MW 2 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

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001215 RZ	Site: 540 Hegenberger
Sampler: Jack	Date: 12/15/00
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.46	Depth to Water: 6.27
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: _____

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
(2")	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

2.1 (Gals.) X 3 = 6.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1430	64.6	6.6	4090 NS	>200	2.5	Grey/odor
1433	66.6	6.6	4806	>200	5.0	
1437	67.4	6.3	5690	160	7.5	
1441	67.3	6.2	6240	>200	10.0	

Did well dewater? Yes (No)	Gallons actually evacuated: 10.0
Sampling Time: 1445	Sampling Date: 12/15/00
Sample I.D.: MW-3	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

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001215 RZ	Site: 540 Hegenberger
Sampler: Jon	Date: 12/15/00
Well I.D.: MW - 4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 18.36	Depth to Water: 7.55
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: _____	

7.0 (Gals.) X 3 = 21.0 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	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1303	66.4	7.5	4580 µS	>200	7	
1304	67.6	7.0	4120	>200	14	
1305	67.9	6.9	4590	>200	21	

Did well dewater? Yes (No)	Gallons actually evacuated: 21
Sampling Time: 1306	Sampling Date: 12/15/00
Sample I.D.: MW-4	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

ATTACHMENT B

Vapor Analytical Data

Sequoia Analytical

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

8 November, 2000

Darryk Ataide
Cambria - Oakland (Shell)
1144 65th St. Suite C
Oakland, CA 94608

RE: 540 Hegenberger
Sequoia Report: MJJ0674

Enclosed are the results of analyses for samples received by the laboratory on 10/25/00 19:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Client Services Manager

CA ELAP Certificate #1210

Sequoia Analytical

885 Jarvis Drive
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FAX (408) 782-6308
www.sequoialabs.com

Cambria - Oakland (Shell)	Project: 540 Hegenberger	
1144 65th St. Suite C	Project Number: 540 Hegenberger	**Reported:**
Oakland CA, 94608	Project Manager: Darryk Ataide	11/08/00 13:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	MJJ0674-01	Air	10/23/00 12:00	10/25/00 19:20
MW-1	MJJ0674-02	Air	10/23/00 15:17	10/25/00 19:20

Wayne Stevenson, Client Services Manager

Sequoia Analytical

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Morgan Hill, CA 95037
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www.sequoialabs.com

Cambria - Oakland (Shell)	Project: 540 Hegenberger	
1144 65th St. Suite C	Project Number: 540 Hegenberger	**Reported:**
Oakland CA, 94608	Project Manager: Darryk Ataide	11/08/00 13:13

Total Purgeable Hydrocarbons (C6-C12) and BTEX in Air by DHS LUFT

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MJJ0674-01) Air Sampled: 10/23/00 12:00 Received: 10/25/00 19:20									
Purgeable Hydrocarbons	**3040**	489	ppmv	200	0J27002	10/27/00	10/27/00	DHS LUFT	H-02,P-03
Benzene	**45.6**	6.27	"	"	"	"	"	"	H-02
Toluene	**22.7**	5.32	"	"	"	"	"	"	H-02
Ethylbenzene	**5.84**	4.61	"	"	"	"	"	"	H-02
Xylenes (total)	**13.4**	4.61	"	"	"	"	"	"	H-02
Methyl tert-butyl ether	**323**	27.8	"	"	"	"	"	"	H-02
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*70-130*		"	"	"	"	*H-02*
MW-1 (MJJ0674-02) Air Sampled: 10/23/00 15:17 Received: 10/25/00 19:20									
Purgeable Hydrocarbons	**1650**	122	ppmv	50	0J27002	10/27/00	10/27/00	DHS LUFT	H-02,P-03
Benzene	**61.6**	1.57	"	"	"	"	"	"	H-02
Toluene	**13.4**	1.33	"	"	"	"	"	"	H-02
Ethylbenzene	**3.45**	1.15	"	"	"	"	"	"	H-02
Xylenes (total)	**8.12**	1.15	"	"	"	"	"	"	H-02
Methyl tert-butyl ether	**392**	6.94	"	"	"	"	"	"	H-02
Surrogate: a,a,a-Trifluorotoluene		*130 %*	*70-130*		"	"	"	"	*H-02*

Sequoia Analytical

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Cambria - Oakland (Shell)	Project: 540 Hegenberger	
1144 65th St. Suite C	Project Number: 540 Hegenberger	**Reported:**
Oakland CA, 94608	Project Manager: Darryk Ataide	11/08/00 13:13

Total Purgeable Hydrocarbons (C6-C12) and BTEX in Air 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 0J27002 - EPA 5030B [P/T]										
Blank (0J27002-BLK1)				Prepared & Analyzed: 10/27/00						
Purgeable Hydrocarbons	ND	2.44	ppmv							
Benzene	ND	0.0314	"							
Toluene	ND	0.0266	"							
Ethylbenzene	ND	0.0231	"							
Xylenes (total)	ND	0.0231	"							
Methyl tert-butyl ether	ND	0.139	"							
Surrogate: a,a,a-Trifluorotoluene	*0.00945*		"	*0.0100*		*94.5*	*70-130*			

Sequoia Analytical

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Cambria - Oakland (Shell)	Project: 540 Hegenberger	
1144 65th St. Suite C	Project Number: 540 Hegenberger	**Reported:**
Oakland CA, 94608	Project Manager: Darryk Ataide	11/08/00 13:13

Notes and Definitions

H-02	This sample was analyzed outside of EPA recommended hold time.
P-03	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
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

SEQUIOA LABORATORIES

EQUIVA Services LLC Chain Of Custody Record

Equiva Project Manager (To be invoiced):	
Science & Engineering (S&E)	X
Technical Services (TS)	
CRMT Houston	

Karen Petryna

INCIDENT NUMBER (S&E): 98995752

SAP or CRMT NUMBER (TS/CRMT):

DATE: 10-23-00

PAGE: 1 OF 1

CONSULTANT COMPANY: Cambria Env. Tech

ADDRESS: 1144 65th St.

CITY: Oakland, Ca

TEL: 510-420-0700 FAX: 510-420-9170 E-MAIL: dalfaid-cambriaenv.com

SITE ADDRESS (Street and City): 540 Hesenbesser Rd. Oakland

PROJECT CONTACT (Report to): Davrk Alfaide

CONSULTANT PROJECT NO.: 242-0414-007

SAMPLER NAME(s) (Print): Sanjiv Gill

LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS)

☐ 10 DAYS ☐ 5 DAYS ☐ 72 HR ☒ 48 HR ☐ 24 HR ☐ <24 HR

☐ LA-RWQCB REPORT FORMAT UST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST ____ HIGHEST per BORING ____ ALL ____

SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT (C)

*Report results in PPM, V

REQUESTED ANALYSIS MJJ0674

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8015m)	TPH - Extractable (8015m)	BTEX / MTBE (8021B)	BTEX / MTBE + Oxygenates (8260B)	VOCs Full List + Oxygenates (8260B)	MTBE (8260B) Confirmation, See Note	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	Ethanol, Methanol (8015B)	Metals (Specify) ____	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3415m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (48- ____)	Field Notes: Container/Preservative or PID Readings or Laboratory Notes
01	MW-3	10-23-00	1200	Air	2	X		X														
02	MW-1	10-23-00	1517	Air	2	X		X														

Relinquished by: (Signature) [signature] 10/24/00 1620

[signature] 10/25

Received by: (Signature) Mark Collier Sequoia

Received by: (Signature) [signature]

Received by: (Signature) [signature]

Date: 10/24/00 Time: 1540

Date: 10/25 Time: 11:10

Date: 10/25/00 Time: 1920

10/15/00 Revision

Sequoia Analytical

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www.sequoialabs.com

December 07 , 2000

Darryk Ataide
Cambria Environmental - Oakland
1144 65th St., Suite C
Oakland, CA 94608
RE: Equiva

Enclosed are the results of analyses for samples received by the laboratory on 12/01/00 12:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Richard Stover
Project Manager

CA ELAP Certificate Number 2374

Sequoia Analytical

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Cambria Environmental - Oakland	Project: Equiva	
1144 65th St., Suite C	Project Number: 540 Hegenberger, Oakland	**Reported:**
Oakland CA, 94608	Project Manager: Darryk Ataide	12/07/00 11:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	P012007-01	Air	11/30/00 00:00	12/01/00 12:30
MW-1	P012007-02	Air	11/30/00 00:00	12/01/00 12:30

Sequoia Analytical

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Cambria Environmental - Oakland	Project: Equiva	
1144 65th St., Suite C	Project Number: 540 Hegenberger, Oakland	**Reported:**
Oakland CA, 94608	Project Manager: Darryk Ataide	12/07/00 11:52

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (P012007-01) Air Sampled: 11/30/00 00:00 Received: 12/01/00 12:30									
Gasoline (ppmv, MW 86.2)	**23800**	2840	ppmv	200	0120001	12/01/00	12/01/00	EPA 8015M/8020M	
Benzene (ppmv)	**59.9**	31.4	"	"	"	"	"	"	
Toluene (ppmv)	**123**	26.6	"	"	"	"	"	"	
Ethylbenzene (ppmv)	ND	23.0	"	"	"	"	"	"	
Xylenes (total) (ppmv)	**53.6**	23.0	"	"	"	"	"	"	
Methyl tert-butyl ether (ppmv)	**974**	111	"	"	"	"	"	"	
Gasoline	**83900**	10000	ug/l	"	"	"	"	"	HC-12
Benzene	**191**	100	"	"	"	"	"	"	QR-04
Toluene	**461**	100	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
Xylenes (total)	**232**	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**3510**	500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*65-135*		"	"	"	"	
MW-1 (P012007-02) Air Sampled: 11/30/00 00:00 Received: 12/01/00 12:30									
Gasoline (ppmv, MW 86.2)	**561**	142	ppmv	10	0120001	12/01/00	12/01/00	EPA 8015M/8020M	
Benzene (ppmv)	ND	1.57	"	"	"	"	"	"	
Toluene (ppmv)	ND	1.33	"	"	"	"	"	"	
Ethylbenzene (ppmv)	ND	1.15	"	"	"	"	"	"	
Xylenes (total) (ppmv)	ND	1.15	"	"	"	"	"	"	
Methyl tert-butyl ether (ppmv)	**62.8**	5.56	"	"	"	"	"	"	
Gasoline	**1980**	500	ug/l	"	"	"	"	"	HC-12
Benzene	ND	5.00	"	"	"	"	"	"	
Toluene	ND	5.00	"	"	"	"	"	"	
Ethylbenzene	ND	5.00	"	"	"	"	"	"	
Xylenes (total)	ND	5.00	"	"	"	"	"	"	
Methyl tert-butyl ether	**226**	25.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.3 %*	*65-135*		"	"	"	"	

Sequoia Analytical

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Cambria Environmental - Oakland	Project: Equiva	
1144 65th St., Suite C	Project Number: 540 Hegenberger, Oakland	**Reported:**
Oakland CA, 94608	Project Manager: Darryk Ataide	12/07/00 11:52

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0120001 - EPA 5030 waters										
Blank (0120001-BLK1)				Prepared & Analyzed: 12/01/00						
Gasoline	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: a,a,a-Trifluorotoluene	*304*		"	*300*		*101*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*285*		"	*300*		*95.0*	*65-135*			
LCS (0120001-BS1)				Prepared & Analyzed: 12/01/00						
Gasoline	2870	50.0	ug/l	2750		104	65-135			
Benzene	42.5	0.500	"	32.0		133	65-135			
Toluene	208	0.500	"	193		108	65-135			
Ethylbenzene	44.4	0.500	"	46.0		96.5	65-135			
Xylenes (total)	213	0.500	"	231		92.2	65-135			
Methyl tert-butyl ether	59.3	2.50	"	52.0		114	65-135			
Surrogate: a,a,a-Trifluorotoluene	*331*		"	*300*		*110*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*312*		"	*300*		*104*	*65-135*			
Matrix Spike (0120001-MS1)	**Source: P011719-10**			Prepared & Analyzed: 12/01/00						
Gasoline	3010	50.0	ug/l	2750	ND	109	65-135			
Benzene	44.1	0.500	"	32.0	ND	138	65-135			QM-07
Toluene	219	0.500	"	193	ND	113	65-135			
Ethylbenzene	46.9	0.500	"	46.0	ND	102	65-135			
Xylenes (total)	224	0.500	"	231	ND	97.0	65-135			
Methyl tert-butyl ether	57.8	2.50	"	52.0	ND	110	65-135			
Surrogate: a,a,a-Trifluorotoluene	*335*		"	*300*		*112*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*313*		"	*300*		*104*	*65-135*			

Sequoia Analytical

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Cambria Environmental - Oakland	Project: Equiva	
1144 65th St., Suite C	Project Number: 540 Hegenberger, Oakland	**Reported:**
Oakland CA, 94608	Project Manager: Darryk Ataide	12/07/00 11:52

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0120001 - EPA 5030 waters										
Matrix Spike Dup (0120001-MSD1)		**Source: P011719-10**		Prepared & Analyzed: 12/01/00						
Gasoline	3030	50.0	ug/l	2750	ND	110	65-135	0.662	20	
Benzene	47.2	0.500	"	32.0	ND	148	65-135	6.79	20	QM-07
Toluene	243	0.500	"	193	ND	126	65-135	10.4	20	
Ethylbenzene	50.4	0.500	"	46.0	ND	110	65-135	7.19	20	
Xylenes (total)	246	0.500	"	231	ND	106	65-135	9.36	20	
Methyl tert-butyl ether	59.7	2.50	"	52.0	ND	113	65-135	3.23	20	
Surrogate: a,a,a-Trifluorotoluene	*358*		"	*300*		*119*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*317*		"	*300*		*106*	*65-135*			

Sequoia Analytical

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Cambria Environmental - Oakland	Project: Equiva	
1144 65th St., Suite C	Project Number: 540 Hegenberger, Oakland	**Reported:**
Oakland CA, 94608	Project Manager: Darryk Ataide	12/07/00 11:52

Notes and Definitions

HC-12	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-04	Results between the primary and confirmation columns varied by greater than 40% RPD.
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 LABORATORIES

EQUIVA Services LLC Chain Of Custody Record

Equiva Project Manager (To be Invoiced):

Science & Engineering (S&E) ☐
Technical Services (TS) ☐
CRMT Houston ☐

INCIDENT NUMBER (S&E): 98995752

SAP or CRMT NUMBER (TS/CRMT):

DATE: 11-30-00

PAGE: 1 OF 1

CONSULTANT COMPANY: CAMBRIA
ADDRESS: 1144 65TH ST.
CITY: OAKLAND, CA.
TEL: (510) 420-0700 FAX: (510) 420-9170 E-MAIL: —

SITE ADDRESS (Street and City): 540 HEGENBERGER OAKLAND
PROJECT CONTACT (Report to): DARRYK ATAIDE
CONSULTANT PROJECT NO.: 242-0414-007
SAMPLER NAME(s) (Print): JIMMIE COUCH
LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS)
☐ 10 DAYS ☒ 5 DAYS ☐ 72 HR ☐ 48 HR ☐ 24 HR ☐ <24 HR

☐ LA-RWQCB REPORT FORMAT UST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST ____ HIGHEST per BORING ____ ALL ____

SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT (C)

* REPORT IN PPM / V

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	No. of Cont.	TPH - Purgeable (8015m)	TPH - Extractable (8015m)	BTEX / MTBE (8021B)	BTEX / MTBE + Oxygenates (8260B)	VOCs Full List + Oxygenates (8260B)	MTBE (8260B) Confirmation, See Note	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	Ethanol, Methanol (8015B)	Metals (Specify) ____	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (48-____)					Field Notes: Container/Preservative or PID Readings or Laboratory Notes
	MW-3	11/30	—	AIR	2	X		X																		P012007-01
	MW-1	11/30	—	AIR	2	X		X																		02

Relinquished by: (Signature)	Received by: (Signature)	Date: 12-1-00	Time: 1230
Relinquished by: (Signature) 12-1-00 1345	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/15/00 Revision

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612
www.sequoialabs.com

December 29, 2000

Darryk Ataide
Cambria Environmental
1144 65th St., Suite C.
Oakland, CA 94608

RE: Shell(1)/L012174

Dear Darryk Ataide

Enclosed are the results of analyses for sample(s) received by the laboratory on December 22, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Richard Yue for

Latonya Pelt
Project Manager

CA ELAP Certificate Number I2360

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Cambria Environmental	Project:	Shell(1)	Sampled:	12/21/00
1144 65th St., Suite C.	Project Number:	EQUIVA/540 HEGENBURGER RD., OAKLAND	Received:	12/22/00
Oakland, CA 94608	Project Manager:	Darryk Ataide	Reported:	12/29/00

ANALYTICAL REPORT FOR L012174

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	L012174-01	Air	12/21/00
MW-3	L012174-02	Air	12/21/00

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L012174-01(MW-1)

EPA 8020 (same as 602)
AROMATIC VOLATILE ORGANICS

Analyte	Detection Limit µg/L	AW	DL(ppmv)	Result ug/l	Result(ppmV)
Gasoline.....	10.0	86.2	2.838	ND	ND
Benzene.....	0.10	78	0.031	ND	ND
Toluene.....	0.10	92	0.027	ND	ND
Ethyl Benzene.....	0.10	106	0.023	ND	ND
Total Xylenes.....	0.10	106	0.023	ND	ND
MTBE.....	1.00	88.15	0.277	ND	ND

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L012174-02(MW-3)

EPA 8020 (same as 602)
AROMATIC VOLATILE ORGANICS

Analyte	Detection Limit µg/L	AW	DL(ppmv)	Result ug/l	Result(ppmV)
Gasoline.....	10.0	86.2	2.838	ND	ND
Benzene.....	0.10	78	0.031	ND	ND
Toluene.....	0.10	92	0.027	ND	ND
Ethyl Benzene.....	0.10	106	0.023	ND	ND
Total Xylenes.....	0.10	106	0.023	ND	ND
MTBE.....	1.00	88.15	0.277	ND	ND

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Cambria Environmental	Project:	Shell(1)	Sampled:	12/21/00
1144 65th St., Suite C.	Project Number:	EQUIVA/540 HEGENBURGER RD., OAKLAND	Received:	12/22/00
Oakland, CA 94608	Project Manager:	Darryk Ataide	Reported:	12/29/00

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

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**L012174-01**				**Air**	
Purgeable Hydrocarbons as Gasoline	0120116	12/24/00	12/24/00		10.0	ND	ug/l	
Benzene	"	"	"		0.100	ND	"	
Toluene	"	"	"		0.100	ND	"	
Ethylbenzene	"	"	"		0.100	ND	"	
Xylenes (total)	"	"	"		0.100	ND	"	
Methyl tert-butyl ether	"	"	"		1.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*106*	%	
MW-3			**L012174-02**				**Air**	
Purgeable Hydrocarbons as Gasoline	0120116	12/24/00	12/24/00		10.0	ND	ug/l	
Benzene	"	"	"		0.100	ND	"	
Toluene	"	"	"		0.100	ND	"	
Ethylbenzene	"	"	"		0.100	ND	"	
Xylenes (total)	"	"	"		0.100	ND	"	
Methyl tert-butyl ether	"	"	"		1.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*104*	%	

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Cambria Environmental	Project:	Shell(1)	Sampled: 12/21/00
1144 65th St., Suite C.	Project Number:	EQUIVA/540 HEGENBURGER RD., OAKLAND	Received: 12/22/00
Oakland, CA 94608	Project Manager:	Darryk Ataide	Reported: 12/29/00

Notes and Definitions

#	Note
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
Recov.	Recovery
RPD	Relative Percent Difference

SEQUOIA LABORATORIES

EQUIVA Services LLC Chain Of Custody Record

Equiva Project Manager (To be Invoiced): Karen Petryna

Business & Engineering (S&E): X
Technical Services (TS):
CRMT Houston:

INCIDENT NUMBER (S&E): 9 8 9 9 5 7 5 2
SAP or CRMT NUMBER (TS/CRMT):

DATE: 12-21-00
PAGE: 1 OF 1

CONSULTANT COMPANY: Cambria Env. Tech
ADDRESS: 1144 65th St.
CITY: Oakland, Ca
TEL: 510-420-0700 FAX: 510-420-9170 E-MAIL: dataide@Cambria

SITE ADDRESS (Street and City): 540 Hegenberger Rd. Oakland, Ca
PROJECT CONTACT (Report To): Dassyk Ataide
SAMPLER NAME(s) (Print): Sanjiv Gill
CONSULTANT PROJECT NO.: 242-0414-007
LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS)
☐ 10 DAYS ☐ 5 DAYS ☐ 72 HR ☒ 48 HR ☐ 24 HR ☐ <24 HR

☐ LA-RWQCB REPORT FORMAT UST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST ____ HIGHEST per BORING ____ ALL ____

SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT (C)
* Please report results in ppmv

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8015m)	TPH - Extractable (8015m)	BTEX / MTBE (8021B)	BTEX / MTBE + Oxygenates (8260B)	VOCs Full List + Oxygenates (8260B)	MTBE (8260B) Confirmation, See Note	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	Ethanol, Methenol (8015B)	Metals (Specify) ____	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (48-____)					Field Notes: Container/Preservative or PID Readings or Laboratory Notes
																										L012174
	MW-1	12-21-00	13:16	Air	2	X		X																		01
	MW-3	12-21-00	11:05	air	2	X		X																		02

Relinquished by: (Signature) J. Gill	Received by: (Signature) Jerry Davis	Date: 12/22	Time: 1130
Relinquished by: (Signature) Jerry Davis	Received by: (Signature) Nicole Lam 12/22/00 1610	Date: 12/22	Time: 1:15PM
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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10/15/00 Revision