CAMBRIA

April 18, 2006

Mr. Don Hwang Alameda County Health Care Services Agency 1131 Harbor Bay Parkway, 2nd Floor Alameda, California 94502 **RECEIVED** By lopprojectop at 9:59 am, Apr 24, 2006

Re: Groundwater Monitoring Report – Second Quarter 2006

Douglas Parking Company 1721 Webster Street Oakland, California File No. 4070 Cambria Project No. 580-0197

Dear Mr. Hwang:

On behalf of Mr. Lee Douglas of Douglas Parking Company, Cambria Environmental Technology, Inc. has prepared this *Groundwater Monitoring Report – Second Quarter 2006* for the above-referenced site. This report describes the second quarter 2006 activities and results. The site is being transferred to a new environmental consultant, Pangea Environmental Services. All future environmental monitoring and/or remediation activities for the site will be directed by Pangea Environmental Services on behalf of Douglas Parking Company.

If you have any questions, please call me at (510) 420-3361.

Sincerely, Cambria Environmental Technology, Inc.

Subbarao Nagulapaty Project Engineer

Attachment:

cc:

Groundwater Monitoring Report – Second Quarter 2006

Cambria Environmental Technology, Inc.

Mr. Lee Douglas, Douglas Parking Company, 1721 Webster Street, Oakland, California 94612 (2 copies)

5900 Hollis Street Suite A Emeryville, CA 94608 Tel (510) 420-0700 Fax (510) 420-9170



GROUNDWATER MONITORING REPORT – SECOND QUARTER 2006

Douglas Parking Company 1721 Webster Street Oakland, California File No. 4070 Cambria Project No. 580-0197

April 18, 2006

Prepared for:

Mr. Lee Douglas 1721 Webster Street Oakland, California 94612

Prepared by:

Cambria Environmental Technology, Inc. 5900 Hollis Street, Suite A Emeryville, California 94608

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Glenn Reiss Staff Geologist

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That

Ron Scheele, P.G. Senior Geologist





GROUNDWATER MONITORING REPORT – SECOND QUARTER 2006

Douglas Parking Company 1721 Webster Street Oakland, California File No. 4070 Cambria Project No. 580-0197

April 18, 2006

INTRODUCTION

On behalf of Douglas Parking Company, Cambria Environmental Technology, Inc. (Cambria) is submitting this *Groundwater Monitoring Report – Second Quarter 2006* for the above-referenced site. Presented below are the second quarter 2006 activities and results and anticipated third quarter 2006 activities.

SECOND QUARTER 2006 ACTIVITIES AND RESULTS

Monitoring Activities

Field Activities: On April 10, 2006, Muskan Environmental Sampling (MES) gauged depth-to-water groundwater levels and inspected for separate-phase hydrocarbons (SPH) in monitoring wells MW-1 through MW-7 (Figure 1). No SPH was detected and MES collected groundwater samples from monitoring wells MW-2 through MW-7. Pursuant with the groundwater sampling schedule, well MW-1 is sampled on an annual basis during the first quarter.

Prior to sample collection, MES purged approximately three well-casing volumes of groundwater and recorded groundwater pH, conductivity, and temperature readings. After groundwater parameters had stabilized, groundwater samples were collected using clean, disposable bailers and decanted into the appropriate containers supplied by the analytical laboratory. Samples were labeled, stored on crushed water-based ice at or below 4 degrees Celsius and transported under chain-of-custody to the laboratory. Cambria's standard field procedures for groundwater sampling are presented as Appendix A. Field data sheets are presented as Appendix B.

Sample Analyses: Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by modified United States Environmental Protection Agency (EPA) Method SW8015C, and benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tertiary-butyl ether (MTBE) by EPA Method SW8021B by McCampbell Analytical, Inc. of Pacheco, California, a California-certified laboratory. The analytical data was submitted to the Geotracker database. The laboratory analytical report is included as Appendix C.





Monitoring Results

Groundwater Flow Direction: Based on depth-to-water measurements collected on April 10, 2006, groundwater beneath the site flowed toward the northeast with a gradient of 0.007 feet per foot (Figure 1). The groundwater flow conditions observed during the second quarter 2006 are consistent with historical site conditions. Depth to water and groundwater elevation data are presented in Table 1.

Hydrocarbon and MTBE Distribution in Groundwater: Hydrocarbons were detected in four of the six wells sampled this quarter (Figure 1 and Table 1). Maximum TPHg and benzene concentrations were detected in well MW-2 at 56,000 micrograms per liter (μ g/L) and 4,900 μ g/L, respectively. No hydrocarbon compounds were detected in the groundwater samples from wells MW-5, and MW-7. MTBE was not detected above laboratory reporting limits in any of the sampled wells. Monitoring wells continued to exhibit an overall stable or decreasing trend in TPHg and BTEX concentrations.

ANTICIPATED THIRD QUARTER 2006 ACTIVITIES

The site is scheduled to have a soil vapor extraction and air-sparging system installed and operating by the beginning of the third quarter. The site is being transferred to a new environmental consultant, Pangea Environmental Services. All future environmental activities at the site will be performed by Pangea Environmental Services on behalf of Douglas Parking Company.

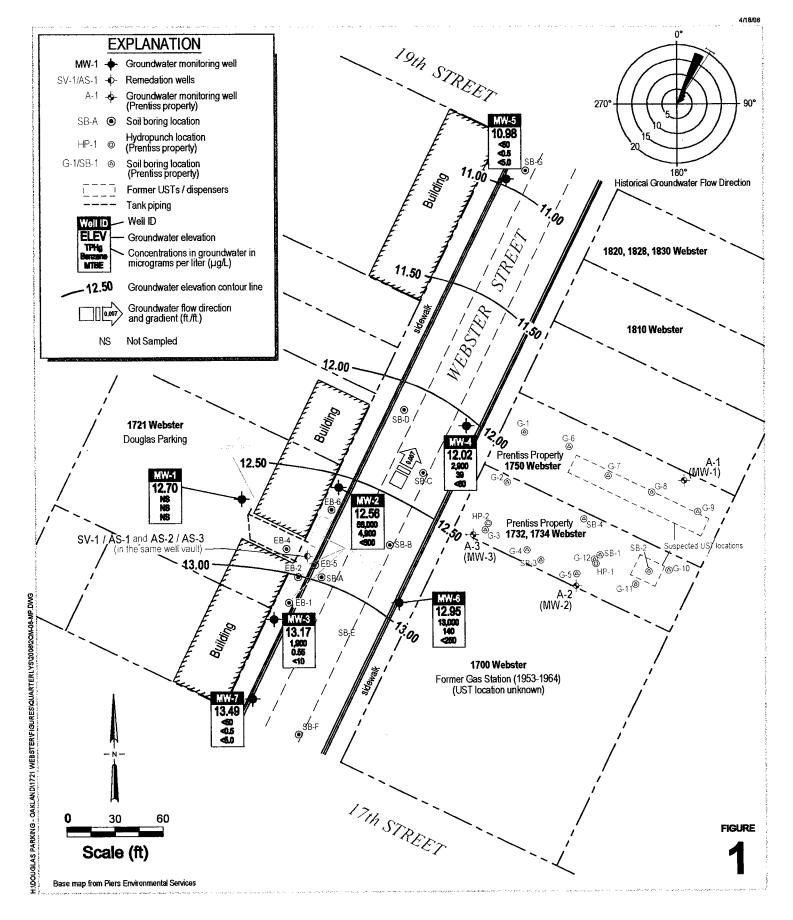
ATTACHMENTS

- Figure 1- Groundwater Elevation Contours and Hydrocarbon Concentrations April 10, 2006 Table 1 – Groundwater Elevation and Analytical Data
- Appendix A Standard Field Procedures for Groundwater Monitoring and Sampling
- Appendix B Groundwater Monitoring Field Data Sheets
- Appendix C Laboratory Analytical Report

H:\Douglas Parking - Oakland\1721 Webster\QM\QM 2006\2Q06\2Q06 QMR.doc



FIGURE



Douglas Parking Facility

1721 Webster Street Oakland, California Groundwater Elevation Contours and Hydrocarbon Concentration Map April 10, 2006 TABLE

Table 1 - Groundwater Elevation and Analytical Data.

Douglas Parking Company, 1721 Webster Street, Oakland, California

Boring / Well ID	Date	Depth to Water	Groundwater Elevation	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
TOC		(ft)	(ft amsl)			(μg/L)		<u> </u>
	Monitoring Wel	-	0.92	ND	NID	NID	ND	ND	
MW-1	12/2/1994	19.42 20.69	9.83 9.04	ND ND	ND ND	ND ND	ND ND	ND ND	-
29.25 29.73	3/6/1995			ND	ND	ND	ND	ND	-
29.73 29.81	7/11/1995	20.65 20.80	9.16 9.01	ND	ND	ND	ND	ND	-
29.01	5/10/1996	20.80	8.46	-	ND	-	-	ND	-
	10/2/1996 2/28/1997	20.57	9.24	-	-	-	-	-	-
	9/16/1997	20.57	8.31	-	-	-	-	_	_
	2/5/1998	20.91	8.90	-	_	_	_	-	_
	8/11/1998	20.50	9.31	_	-	_	_	_	-
	2/8/1999	20.50	8.39	-	-	_	_	_	_
	2/24/1999	22.99	6.82	_	-	_	_	_	-
	3/3/1999	20.84	8.97		_	_	_	_	_
	3/10/1999	20.89	8.92	_	_	_	_	_	-
	3/17/1999	20.89	8.92	-	-	_	_	-	_
	5/4/1999	20.84	9.01	_	_	_	_	_	-
	7/20/1999	21.25	8.56	_	_	_	_	-	-
	10/5/1999	21.25	8.44	_	-	_	_	-	-
	1/7/2000	21.65	8.16	-	_	_	_	-	-
	4/6/2000	21.05	8.76	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/31/2000	21.13	8.68	-	-	-	-	-	-
	10/3/2000	21.69	8.12	-	_	-	-	-	-
	1/12/2001	22.00	7.81	_	-	-	-	-	-
	4/11/2001	22.16	7.65	-	-	-	-	-	-
	7/6/2001	22.57	7.24	_	-	-	-	-	-
	10/25/2001	22.71	7.10	-	-	-	-	-	-
	3/4/2002	22.53	7.28	-	-	-	-	-	-
	4/18/2002	22.81	7.00	-	-	-	-	-	-
	7/9/2002	22.95	6.86	-	-	-	-	-	-
	10/4/2002	23.13	6.68	-	-	_	_	-	-
	1/12/2002	22.05	7.76	-	_	_	_	_	-
	4/21/2003	21.17	8.64	-	-	-	-	-	-
32.75	7/21/2003	21.39	11.36	-	-	-	_	-	-
52.75	10/2/2003	21.64	11.11	-	-	_	_	-	-
	1/15/2004	21.10	11.65	-	-	-	-	-	-
	4/5/2004	21.20	11.55	-	-	-	-	-	-
	8/9/2004	22.97	9.78	-	-	-	-	-	-
	10/7/2004	23.55	9.20	-	-	-	-	-	-
	2/7/2005	20.90	11.85	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/5/2005	20.60	12.15	-	-	-	-	-	-
	7/6/2005	20.66	12.09	-	-	-	-	-	-
	10/10/2005	21.16	11.59	-	-	-	-	-	-
	1/26/2006	20.73	12.02	<50,e	< 0.5	<0.5	<0.5	<0.5	<5.0
	4/10/2006	20.05	12.70	-	-	-	-	-	-
MW-2	12/2/1994	19.50	7.60	61,300	3,000	3,900	160	4,500	-
27.10	3/6/1995	18.49	8.61	98,000	8,400	16,000	2,000	2,600	-
27.40	7/11/1995	18.45	8.95	38,000	3,100	7,500	940	3,700	-
	5/10/1996	18.56	8.84	63,000	7,400	16,000	1,500	6,000	-
	10/2/1996	19.15	8.25	21,000	2,200	3,400	430	1,600	-
	2/28/1997	18.43	8.97	39,000	4,700	9,600	950	4,200	ND
	9/16/1997	19.26	8.14	29,000	3,300	5,800	690	2,900	<620
	2/5/1998	18.66	8.74	10,000	1,000	2,000	170	860	<330
	8/11/1998	18.41	8.99	12,000	1,200	2,300	260	1,400	300
	2/8/1999	19.84	7.56	5,500	740	1,200	150	780	60
	2/17/1999	18.94	8.46	-	-	-	-	_	-

 Table 1 - Groundwater Elevation and Analytical Data.

 Douglas Parking Company, 1721 Webster Street, Oakland, California

Date	Depth to Water	Groundwater Elevation	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
	(ft)	(ft amsl)	◀		(μg/L) ———		<u></u>
2/24/1999	20.76	6.64	-	-	-	-	-	-
3/3/1999	18.55		-	-	-	-	-	-
3/10/1999			-	-	-	-	-	-
3/17/1999			-	-	-	-	-	-
5/4/1999	18.55	8.85	90,000	9,200	21,000			560
7/20/1999	18.98	8.42	28,000	2,100	3,700			<860
10/5/1999	19.10	8.30	11,000	870	180		1,400	<110
1/7/2000	19.41	7.99	15,000	1,300	2,100		1,800	<14
4/6/2000	18.80	8.60	17,000	1,800	3,100	500	2,200	<50
7/31/2000	18.87	8.53	17,000	1,500	2,700	430	2,100	<200
10/3/2000	19.45	7.95	27,000	2,500	4,000	660	2,900	<50
1/12/2001	19.80	7.60	25,000	2,700	4,100	670	3,000	<200
4/11/2001	20.03	7.37	97,000	9,500	21,000	2,200	7,900	<200
7/6/2001	20.19	7.21	3,500	500	150	11	420	<5.0
10/25/2001	20.35	7.05	3,800	620	230	70	400	<50
3/4/2002	20.37	7.03	46,000	7,300	12,000	870	3,200	<500
			68,000	5,100	8,900	1,100	4,000	<1,000
				200		0.67	82	<10
				100	3.4	0.53	10	<5.0
							5,600	<500
								<500
								<50
								<50
								<50
								<500
								<20
								<5.0
								<200
							-	<500 (<5.0)
			-					<500
								<500
								<1,000
								<500
4/10/2000	17.04	12.50	30,000 a,0	4,900	7,500	1,200	7,400	<500
12/2/1994	22.15	7.35	394,000	1,200	ND	1,800	4,000	-
3/6/1995	20.09	9.16	21,000	400	150	24	62	-
7/11/1995	19.99	9.57	12,000	ND	10	16	99	-
5/10/1996	20.24	9.32	8,600	ND	7.6	16	84	-
10/2/1996	20.90	8.66	11,000	ND	7.4	19	92	-
2/28/1997	20.12	9.44	6,000	ND	4.4	17	88	50
9/16/1997	20.97	8.59	6,500	<0.5	0.69	1.2	6.7	<5.0
2/5/1998	20.39	9.17	5,400	<0.5	6.3	15	86	<63
8/11/1998	19.95	9.61	2,700	<0.5	3.5	3.2	12	<10
2/8/1999	20.58	8.98	6,100	<0.5	8.1	18	80	<140
2/17/1999	20.53		-	-	-	-	-	-
			-	-	-	-	-	-
3/3/1999	20.28	9.28	-	-	-	-	-	-
			-	-	-	-	-	-
3/17/1999			-	-	-	-	-	-
			11,000	<2	<2	9.8	140	<10
			11,000	<0.5	3.1	13	88	<80
						21	170	<90
1/7/2000	21.09	8.47	13,000	<0.5	<2	21	140	<80
				1.5	1.4	9.8	60	<30
4/6/2000	20.48	9.08	2,200	1.5			00	_ JU
4/6/2000 7/31/2000	20.48 20.62	9.08 8.94	5,300 7.100					
4/6/2000 7/31/2000 10/3/2000	20.48 20.62 21.13	9.08 8.94 8.43	7,100 8,000	3.5 <0.5	1.0 3.3	12 11	66 70	<5.0 <40
	3/3/1999 3/10/1999 3/17/1999 5/4/1999 7/20/1999 10/5/1999 1/7/2000 4/6/2000 7/31/2000 10/3/2000 1/12/2001 4/11/2001 7/6/2001 10/25/2001 3/4/2002 4/18/2002 4/18/2002 1/12/2003 4/21/2003 1/12/2003 1/12/2003 1/15/2004 4/5/2004 8/9/2004 10/7/2004 2/7/2005 1/26/2005 1/26/2005 1/26/2005 1/26/2005 1/26/2005 1/26/2005 1/26/2005 1/26/2005 1/26/2006 4/10/2095 1/26/2006 4/10/2095 5/10/1996 2/28/1997 9/16/1997 2/5/1998 8/11/1998 2/8/1999 2/24/1999 3/3/1999 3/10/1999 3/17/1999 5/4/1999 3/17/1999 5/4/1999	$\begin{array}{cccc} 2/24/1999 & 20.76 \\ 3/3/1999 & 18.55 \\ 3/10/1999 & 20.74 \\ 3/17/1999 & 18.57 \\ 5/4/1999 & 18.57 \\ 5/4/1999 & 18.55 \\ 7/20/1999 & 18.98 \\ 10/5/1999 & 19.10 \\ 1/7/2000 & 19.41 \\ 4/6/2000 & 18.80 \\ 7/31/2000 & 19.45 \\ 1/12/2001 & 20.03 \\ 7/6/2001 & 20.03 \\ 7/6/2001 & 20.19 \\ 10/25/2001 & 20.35 \\ 3/4/2002 & 20.37 \\ 4/18/2002 & 20.15 \\ 7/9/2002 & 21.09 \\ 10/4/2002 & 21.28 \\ 1/12/2003 & 20.59 \\ 4/21/2003 & 20.59 \\ 4/21/2003 & 20.08 \\ 10/2/2003 & 20.41 \\ 1/15/2004 & 19.93 \\ 4/5/2004 & 18.99 \\ 8/9/2004 & 19.79 \\ 10/7/2004 & 20.26 \\ 2/7/2005 & 18.80 \\ 4/5/2005 & 18.40 \\ 7/6/2005 & 18.48 \\ 10/10/2005 & 19.00 \\ 1/26/2006 & 17.84 \\ 12/2/1994 & 22.15 \\ 3/6/1995 & 20.09 \\ 7/11/1995 & 19.99 \\ 5/10/1996 & 20.24 \\ 10/2/1996 & 20.90 \\ 2/28/1997 & 20.12 \\ 9/16/1997 & 20.97 \\ 2/5/1998 & 20.39 \\ 8/11/1999 & 20.58 \\ 2/17/1999 & 20.53 \\ 2/24/1999 & 20.54 \\ 3/10/1999 & 20.24 \\ 3/10/1999 & 20.24 \\ 7/20/1999 & 20.81 \\ \end{array}$	2/24/1999 20.76 6.64 $3/3/1999$ 18.55 8.85 $3/10/1999$ 20.74 6.66 $3/17/1999$ 18.57 8.83 $5/4/1999$ 18.57 8.83 $5/4/1999$ 18.55 8.85 $7/20/1999$ 18.98 8.42 $10/5/1999$ 19.10 8.30 $1/7/2000$ 19.41 7.99 $4/6/2000$ 18.80 8.60 $7/31/2000$ 19.45 7.95 $1/12/2001$ 20.03 7.37 $7/6/2001$ 20.19 7.21 $10/25/2001$ 20.35 7.05 $3/4/2002$ 20.15 7.25 $7/9/2002$ 21.09 6.31 $10/4/2002$ 21.28 6.12 $1/12/2003$ 20.59 6.81 $4/21/2003$ 19.98 7.42 $7/21/2003$ 20.41 9.99 $1/15/2004$ 19.93 10.47 $4/5/2004$ 19.79 10.61 $10/7/2004$ 20.26 10.14 $2/7/2005$ 18.40 12.00 $7/6/2005$ 18.48 11.92 $10/10/2005$ 19.00 11.40 $1/26/2006$ 18.58 11.82 $4/10/2006$ 17.84 12.56 $12/2/1994$ 22.15 7.35 $3/6/1995$ 20.09 9.16 $7/11/1998$ 19.95 9.61 $2/8/1997$ 20.12 9.44 $9/16/1997$ 20.97 8.59 $2/5/1998$ 20.39 9.17 <	2/24/1999 20.76 6.64 $ 3/3/1999$ 18.55 8.85 $ 3/10/1999$ 18.57 8.83 $ 5/4/1999$ 18.57 8.83 $ 5/4/1999$ 18.55 8.85 $90,000$ $7/20/1999$ 18.98 8.42 $28,000$ $10/5/1999$ 19.10 8.30 $11,000$ $1/7/2000$ 19.41 7.99 $15,000$ $4/6/2000$ 18.80 8.60 $17,000$ $10/3/2000$ 19.45 7.95 $27,000$ $1/1/2001$ 20.03 7.37 $97,000$ $7/6/2001$ 20.19 7.21 $3,500$ $1/4/2002$ 20.35 7.05 $3,800$ $3/4/2002$ 20.15 7.25 $68,000$ $7/9/2002$ 21.09 6.31 $1,000$ $10/4/2002$ 21.28 6.12 270 $1/12/2003$ 20.41 9.99 $4,000$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

 Table 1 - Groundwater Elevation and Analytical Data.

 Douglas Parking Company, 1721 Webster Street, Oakland, California

Boring / Well ID	Date	Depth to Water	Groundwater Elevation	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
TOC		(ft)	(ft amsl)				(μg/L)		<u> </u>
MW-3	4/11/2001	21.69	7.87	10,000	<0.5	<0.5	11	65	<10
(cont'd)	7/6/2001	21.60	7.96	13,000	5.3	1.6	11	58	<5.0
	10/25/2001	21.70	7.86	11,000	<0.5	3.0	15	70	<10
	3/4/2002	21.65	7.91	1,900	1.3	0.8	<0.5	15	<5.0
	4/18/2002	21.77	7.79	1,500	1.0	0.97	1.3	5.8	<5
	7/9/2002	22.03	7.53	13,000	6.8	5.7	13	59	<90
	10/4/2002	22.15	7.41	8,400	<10	<10	<10	42	<100
	1/12/2003	21.13	8.43	9,000	9.5	5.1	8.5	46	<90
	4/21/2003	20.63	8.93	10,000	<5.0	<5.0	8.5	32	<50
32.56	7/21/2003	20.68	11.88	9,600	<2.5	<2.5	7.4	39	48 (<1.0)
	10/2/2003	20.99	11.57	12,000	<5.0	<5.0	10	40	<90
	1/15/2004	20.74	11.82	13,000	37	41	78	930	<50
	4/5/2004	20.59	11.97	4,500	<1.7	<1.7	<1.7	12	<17
	8/9/2004	22.18	10.38	2,100	<1.0	3.7	<1.0	8.1	<10
	10/7/2004	22.79	9.77	2,400	6.5	26	7.5	89	<15
	2/7/2005	20.35	12.21	6,800	2.2	5.6	2.0	12	<30
	4/5/2005	19.95	12.61	6,100	2.3	2.6	1.3	8.3	<45 (<0.5)
	7/6/2005	19.93	12.63	4,500 a	<1.0	1.5	1.0	8.3	<10
	10/10/2005	20.45	12.11	3,800 a	0.73	<0.5	0.98	5.7	<15
	1/26/2006	20.05	12.51	5,100,c,d	<0.5	1.1	< 0.5	6.6	<15
	4/10/2006	19.39	13.17	1,900 a	0.55	1.6	0.51	4.1	<10
				14.000		1 000	700	2 100	
MW-4	5/10/1996	16.98	8.31	14,000	ND	1,200	720	3,100	-
25.29	10/2/1996	17.65	7.64	12,000	ND	650	580	2,200	-
	2/28/1997	16.80	8.49	13,000	ND	1,100	750	2,700	110
	9/17/1997	17.93	7.36	13,000	<2.5	820	750	2,900	<190
	2/5/1998	16.78	8.51	13,000	<1.0	690	690	2,900	<170
	8/11/1998	16.59	8.70	15,000	<5	360	520	1,900	280
	2/8/1999	17.10	8.19	9,800	<5	680	770	2,200	300
	2/24/1999	18.95	6.34	-	-	-	-	-	-
	3/3/1999	16.80	8.49	-	-	-	-	-	-
	3/10/1999	16.86	8.43	-	-	-	-	-	-
	3/17/1999	16.82	8.47	-	-	-	-	-	-
	5/4/1999	16.86	8.43	11,000	46	600	620	1,900	<100
	7/20/1999	17.30	7.99	13,000	<0.5	470	7.0	2,000	<150
	10/5/1999	17.43	7.86	18,000	4.4	720	800	2,100	<120
	1/7/2000	17.78	7.51	18,000	<2	930	990	2,700	<30
	4/6/2000	17.17	8.12	8,000	31	390	530	1,300	<10
	7/31/2000	17.21	8.08	6,200	13	170	460	850	<10
	10/3/2000	18.00	7.29	14,000	42	820	730	2,000	<50
	1/12/2001	18.20	7.09	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/11/2001	18.31	6.98	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/6/2001	18.35	6.94	470	2.3	1.6	0.81	43	<5.0
	10/25/2001	18.47	6.82	110	0.70	<0.5	<0.5	3.3	<5.0
	3/4/2002	18.43	6.86	<50	<0.5	< 0.5	<0.5	<0.5	<5.0
	4/18/2002	18.61	6.68	<50	<0.5	<0.5	< 0.5	<0.5	<5.0
	7/9/2002	19.50	5.79	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/4/2002	19.83	5.46	310	2.0	2.9	13	16	<0.5
	1/12/2003	19.07	6.22	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/21/2003	18.71	6.58	<50	<0.5	<0.5	<0.5	<0.5	<5.0
28.29	7/21/2003	18.81	9.48	<50	<0.5	<0.5	<0.5	<0.5	<5.0

Table 1 - Groundwater Elevation and Analytical Data.

Douglas Parking Company, 1721 Webster Street, Oakland, California

Boring / Well ID	Date	Depth to Water	Groundwater Elevation	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
TOC		(ft)	(ft amsl)				(µg/L)		<u> </u>
MW-4	10/2/2003	19.02	9.27	59	0.78	<0.5	1.1	0.91	<5.0
(cont'd)	1/15/2004	18.68	9.61	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/5/2004	17.41	10.88	6,200	29	250	450	730	<100
	8/9/2004	19.07	9.22	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/7/2004	19.65	8.64	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/7/2005	17.21	11.08	8,700	48	340	550	720	<100
	4/5/2005	16.78	11.51	6,900	27	290	520	660	<170 (<0.5)
	7/6/2005	16.98	11.31	5600 c,d	<5.0	130	470	480	<50
	10/10/2005	17.59	10.70	6,300 a	23	78	530	430	<50
	1/26/2006	17.08	11.21	5,600,a	41	68	400	290	<120
	4/10/2006	16.27	12.02	2,900 a	39	32	200	140	<60
MW-5	5/10/1996	14.60	7.37	ND	ND	ND	ND	ND	-
21.97	10/2/1996	15.25	6.72	ND	ND	ND	ND	ND	-
	2/28/1997	14.31	7.66	ND	ND	ND	ND	ND	ND
	9/17/1997	15.18	6.79	<0.5	<0.5	<0.5	<0.5	< 0.5	<5.0
	2/5/1998	13.64	8.33	<50	<0.5	<0.5	< 0.5	<0.5	<5.0
	8/11/1998	13.92	8.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/8/1999	14.19	7.78	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/24/1999	16.18	5.79	-	-	-	-	-	-
	3/3/1999	14.23	7.74	-	-	-	-	-	-
	3/10/1999	14.32	7.65	-	-	-	-	-	-
	3/17/1999	14.25	7.72	-	-	-	-	-	-
	5/4/1999	14.41	7.56	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/20/1999	14.44	7.53	<50	<0.5	< 0.5	<0.5	<0.5	<5.0
	10/5/1999	14.79	7.18	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/7/2000*	15.23	6.74	-	_	_	-	-	-
	4/6/2000	14.74	7.23	<50	<0.5	<0.5	<0.5	< 0.5	<5.0
	7/31/2000	14.52	7.45	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/3/2000	15.37	6.60	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/12/2000	15.70	6.27	6,400	13	290	450	1,100	<40
	4/11/2001	15.78	6.19	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/6/2001	15.97	6.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/25/2001	16.05	5.92	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/4/2002	16.21	5.76	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/18/2002	16.59	5.38	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/9/2002	16.94	5.03	170	1.0	0.65	2.1	4.0	<15
	10/4/2002	17.14	4.83	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/12/2002	16.58	5.39	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/21/2003	15.90	6.07	<50	<0.5	<0.5	<0.5	<0.5	<5.0
24.99	7/21/2003	16.03	8.96	<50	<0.5	<0.5	<0.5	<0.5	<5.0
24.77	10/2/2003	16.33	8.66	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/15/2004	16.21	8.78	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/5/2004	15.01	9.98	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/9/2004	16.85	8.14	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/7/2004	17.48	7.51	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/7/2004	16.52	8.47	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/5/2005	14.45	10.54	<50	<0.5	<0.5	<0.5	<0.5	<5.0 (<0.5)
	4/3/2003	14.45	10.34	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/10/2005	14.85	9.55	<50 e	<0.5	<0.5 <0.5	<0.5	<0.5	<5.0
	1/26/2005	13.44	10.03	<50,e	<0.5	<0.5	<0.5	<0.5	<5.0
	4/10/2006	14.90 14.01	10.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0

Table 1 - Groundwater Elevation and Analytical Data.

Douglas Parking Company, 1721 Webster Street, Oakland, California

Boring / Well ID	Date	Depth to Water	Groundwater Elevation	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
TOC		(ft)	(ft amsl)				(µg/L)		
MW-6	6/30/2003	19.60	11.39	68,000	950	6,000	2,400	10,000	<1,000
30.99	7/21/2003	19.67	11.32	120,000	170	1,400	1,100	10,000	<1,000
	10/2/2003	19.97	11.02	16,000	7.6	200	38	1,800	<100
	1/15/2004	19.55	11.44	14,000	48	51	94	1,100	<50
	4/5/2004	19.17	11.82	24,000	180	900	430	1,800	<500
	8/9/2004	20.98	10.01	5,300	6.4	25	5.3	69	<17 (<0.5)
	10/7/2004	21.52	9.47	5,600	11	58	18	210	<50 (<0.5)
	2/7/2005	19.00	11.99	31,000	120	620	310	1,200	<500
	4/5/2005	18.60	12.39	21,000	170	1,100	350	1,300	<500 (<5.0)
	7/6/2005	18.56	12.43	26,000 a,b	130	920	320	1,200	<500
	10/10/2005	19.99	11.00	19,000 a,b,e	140	840	250	980	<500
	1/26/2006	18.70	12.29	10,000,b,e	140	1,100	270	1,200	<170
	4/10/2006	18.04	12.95	13,000 a,b,e	140	1,000	280	1,000	<250
MW-7	6/30/2003	21.40	11.71	170	<0.5	2.1	2.0	8.7	<5.0
33.11	7/21/2003	21.44	11.67	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/2/2003	21.73	11.38	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/15/2004	21.57	11.54	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/5/2004	20.84	12.27	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/9/2004	22.68	10.43	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/7/2004	23.27	9.84	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/7/2005	20.60	12.51	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/5/2005	20.22	12.89	<50	<0.5	0.75	<0.5	<0.5	<5.0 (<0.5)
	7/6/2005	20.25	12.86	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/10/2005	20.70	12.41	<50 e	<0.5	<0.5	<0.5	<0.5	<5.0
	1/26/2006	20.32	12.79	<50,e	<0.5	<0.5	<0.5	<0.5	<5.0
	4/10/2006	19.62	13.49	<50,e	<0.5	< 0.5	<0.5	<0.5	<5.0
Trip Blank	01/12/01	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0
-	4/11/2001	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/6/2001	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/4/2002	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/2/2003	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0

Notes and Abbreviations:

TOC = Top of casing elevations in feet above mean sea level

ft amsl = Measured in feet above mean sea level

 $\mu g/L = Micrograms per liter$

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015C

Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8021B

MTBE = Methyl tertiary butyl ether by EPA Method 8021B, and by EPA Method 8260 in parenthesis

<n = Concentration not detected above laboratory reporting limit of n

ND = Not detected

Data prior to 7/11/95 from Gen Tech and Piers Environmental Quarterly Groundwater Monitoring Reports dated December 2, 1994 and March 6, 1995, respectively.

Sampling is no longer required in well MW-1 per September 17, 1996, ACDEH letter to Douglas Parking.

On July 31, 2003, Virgil Chavez Land Surveying of Vallejo, California surveyed monitoring wells using a benchmark in the top of the curb near the SW return of the NW corner of 34th and Broadway.

See laboratory analytical report for the laboratory's TPH chromatogram description notes.

a= unmodified or weakly modified gasoline significant; b= lighter than water immiscible sheen/ product is present

c= heavier gasoline range compounds are significant (aged gasoline?); d= no recognisable pattern, e = liquid sample that contains greater than $\sim 1 \text{ vol}\%$ sediment

APPENDIX A

Standard Field Procedures For Groundwater Monitoring and Sampling

CAMBRIA

STANDARD FIELD PROCEDURES FOR GROUNDWATER MONITORING AND SAMPLING

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

Groundwater Monitoring

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

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

Groundwater Purging and Sampling

Prior to groundwater purging and sampling, the historical analytical data of each monitoring well shall be reviewed to determine the order in which the wells should be purged and sampled (i.e. cleanest to dirtiest). No purging or groundwater sampling shall be performed on wells with a measurable thickness of NAPL or floating NAPL globules. If a sheen is observed, the well should be purged and a groundwater sample collected only if no NAPL is present. Wells shall be purged either by hand using a disposal or PVC bailer or by using an aboveground pump (e.g. peristaltic or WatteraTM) or down-hole pump (e.g. GrundfosTM or DC Purger pump).

Groundwater wells shall be purged approximately three to ten well-casing volumes (depending on the regulatory agency requirements) or until groundwater parameters of temperature, pH, and conductivity have stabilized to within 10% for three consecutive readings. Temperature, pH, and conductivity shall be measured and recorded at the start of purging, once per well casing volume removed, and at the completion of purging. The total volume of groundwater removed shall be recorded along with any other notable physical characteristic such as color and odor. If required, field parameters such as turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP) shall be measured prior to collection of each groundwater sample.

Groundwater samples shall be collected after the well has been purged and allowed to recharge to 80% of the pre-purging static water level, or if the well is slow to recharge, after waiting a minimum of 2 hours. Groundwater samples shall be collected using clean disposable bailers or pumps (if an operating remediation system exists on site and the project manager approves of its use for sampling) and shall be decanted into clean containers supplied by the analytical laboratory. New latex gloves and disposable tubing or bailers shall be used for sampling each well. If a PVC bailer or down-hole pump is used for groundwater purging, it shall be decontaminated before purging each well by using soapy water consisting of Liqui-noxTM or

CAMBRIA

AlconoxTM followed by one rinse of clean tap water and then two rinses of distilled water. If a submersible pump with non-dedicated discharge tubing is used for groundwater purging, both the inside and outside of pump and discharge tubing shall be decontaminated as described above.

Sample Handling

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

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

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

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

Well Development

Wells shall be developed using a combination of groundwater surging and extraction. A surge block shall be used to swab the well and agitate the groundwater in order to dislodge any fine sediment from the sand pack. After approximately ten minutes of swabbing the well, groundwater shall be extracted from the well using a bailer, pump and/or reverse air-lifting through a pipe to remove the sediments from the well. Alternating surging and extraction shall continue until the sediment volume in the groundwater (i.e. turbidity) is negligible, which typically requires extraction of approximately ten well-casing volumes of groundwater. Preliminary well development usually is performed during well installation prior to placing the sanitary surface seal to ensure sand pack stabilization. Well development that is performed after surface seal installation, should occur 72 hours after seal installation to ensure that the cement has had adequate time to set.

Waste Handling and Disposal

Groundwater extracted during development and sampling shall be stored onsite in sealed U.S. DOT H17 55-gallon drums. Each drum shall be labeled with the contents, date of generation, generator identification and consultant contact.

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APPENDIX B

Groundwater Monitoring Field Data Sheets



WELL GAUGING SHEET

Client:	Cambria En	vironmental	Technology	Inc.		
Site Address:	1721 Webst	er Street Oal	kland, CA			
Date:	4/10/2006		, <u> </u>	Signature:	Ð	1
Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1	6:05		20.05		26.65	
MW-2	3:15		17.84		25.95	
MW-3	3:20		19.39		26.90	
MW-4	3:10		16.27		29.42	
MW-5	3:00		14.01		24.50	
MW-6	3:25		18.04		25.79	
MW-7	3:05		19.62		28.46	



Date:		4/10/2006				<u></u>						
Client:		Cambria Er	vironmen	tal Technol	ogy Inc.							
Site Addr	ess:	1721 Webs	ster Street	Oakland, C	ĊA			·				
Well ID:		MW-2										
Well Dian	neter:	2"							· · ·			
Purging D	evice:	Disposable	Bailer					•				
Sampling	Method:	Disposable	Bailer			<u></u>						
Total Wel	I Depth:			25.95	Fe=	mg/L						
Depth to V	Vater:			17.84	ORP=	mV		······				
Water Col	umn Height	:		8.11	DO=	mg/L						
Gallons/ft	:			0.16								
1 Casing	Volume (gal):		1.30	сомм	ENTS:						
	Volumes (ga			3.89	turbid, odor							
	CASING VOLUME	п). ТЕМР		COND.								
TIME:	(gal)	(Celsius)	рН	(µS)								
5:20	1.3	18.7	7.08	429	4							
5:22	2.6	18.5	7.02	446	4							
5:25	3.9	18.2	6.97	438	-							
Sample					1	B	Amolatos	Method				
ID:	Date:		Time	Containe	er Type	Preservative	Analytes TPHg,	8015, 8020				
MW-2	4/10/	/2006	5:30	Voa		HCI, ICE	BTEX, MTBE					
							18	4	<u></u>			
						Signatu	ire:	/				



Date:		4/10/2006										
Client:		Cambria Er	vironmen	tal Technol	ogy Inc.							
Site Addr	ess:	1721 Webs	ter Street	Oakland, C	CA							
Well ID:		MW-3					·					
Well Dian	neter:	2"										
Purging D	evice:	Disposable	Bailer									
Sampling	Method:	Disposable	Bailer									
Total Wel	l Depth:			26.90	Fe=	mg/L						
Depth to V	Water:	<u></u>		19.39	ORP=	mV						
Water Col	umn Heigh	t:		7.51	DO=	mg/L						
Gallons/ft	:			0.16								
1 Casing	Volume (gal	l):		1.20	СОММЕ	COMMENTS:						
	Volumes (ga			3.60	turbid							
TIME:	CASING VOLUME (gal)	TEMP (Celsius)	рН	COND. (µS)								
5:40		19.1	7.14	742	-							
5:42	2.4	18.6	7.19	795								
5:45	3.6	18.9	7.21	782								
Sample												
ID:	Date:		Time	Containe	er Type	Preservative	Analytes					
MW-3	4/10	/2006	5:50	Voa		HCI, ICE	TPHg, BTEX, MTBE	8015, 8020				
						Signatur	e:	<u>}</u>				



Date:		4/10/2006						
Client:		Cambria Er	vironmen	tal Technol	ogy Inc.			
Site Addr	ess:	1721 Webs	ster Street	Oakland, C	A			
Well ID:		MW-4						
Well Dian	eter:	2"						·····
Purging D	evice:	Disposable	Bailer					
Sampling	Method:	Disposable	Bailer					······································
Total Well	Depth:			29.42	Fe=	mg/L		
Depth to V	Vater:			16.27	ORP=	mV		
Water Col	umn Height	:		13.15	DO=	mg/L		
Gallons/ft				0.16				
1 Casing V	/olume (gal):		2.10	COMMI	ENTS:		
3 Casing V	Volumes (ga	al):	_	6.31	turbid, od	or		
TIME:	CASING VOLUME (gal)	TEMP (Celsius)	рН	COND. (µS)				
4:50	2.1	19.7	6.91	551				
5:00	4.2	20.3	6.94	517				
5:05	6.3	20.4	6.99	522	_			
Sample					1			
ID:	Date:		Time	Containe	er Type	Preservative	Analytes TPHg,	Method 8015, 8020
MW-4	4/10	/2006	5:10	Voa		HCI, ICE	BTEX, MTBE	6015, 6020
						Signatur	e: 4	1



Date:		4/10/2006										
Client:		Cambria Er	ivironmen	tal Technol	logy Inc.							
Site Addr	ess:	1721 Webs	ster Street	Oakland, C	ĊA							
Well ID:		MW-5										
Well Dian	neter:	2"										
Purging D	evice:	Disposable	Bailer									
Sampling	Method:	Disposable	Bailer									
Total Wel	l Depth:			24.50	Fe=	mg/L						
Depth to V	Water:			14.01	ORP=	ORP= mV						
Water Col	umn Height	:		10.49	DO=	mg/L						
Gallons/ft	:			0.16								
	Volume (gal	 ():	1.68 COMMENTS:									
	Volumes (ga			5.04	turbid							
TIME:	CASING VOLUME (gal)	TEMP (Celsius)	рН	COND. (µS)								
3:55		19.4	6.85	520	1							
4:00		19.9	6.91	568	1							
4:05	5.0	20.1	6.92	560	-							
Sample						1						
ID:	Date:		Time	Containe	er Type	Preservative	Analytes					
MW-5	4/10	/2006	4:10	Voa		HCI, ICE	TPHg, BTEX, - MTBE	8015, 8020				
							_					
						Signatu	re:	12				



Date:	<u> </u>	4/10/2006					<u>.</u> .						
Client:		Cambria Er	ivironmen	tal Technol	ogy Inc.								
Site Addr	ess:	1721 Webs	ster Street	Oakland, C	A		. <u></u>						
Well ID:		MW-6											
Well Dian	neter:	2"											
Purging D	evice:	Disposable	Bailer		<u></u>								
Sampling	Method:	Disposable	Bailer										
Total Wel	l Depth:		·	25.79	Fe=	mg/L							
Depth to V	Vater:			18.04	ORP=	mV							
Water Col	umn Height	• •		7.75	DO=	mg/L		······································					
Gallons/ft	:			0.16			<u> </u>						
1 Casing	Volume (gal):		1.24	СОММ	ENTS:							
	Volumes (ga		<u> </u>	3.72	turbid								
	CASING VOLUME	ТЕМР		COND.									
TIME:	(gal)	(Celsius)	pH	(μS)	4								
6:15	1.2	18.4	7.11	695	4								
6:17	2.5 3.7	19.1 19.2	7.06	679 671	4								
6:20	3.7	19.2	7.07	671	4								
Sample ID:	Date:		Time	Containe	r Type	Preservative	Analytes	Method					
MW-6	4/10/	/2006	6:25	Voa		HCI, ICE	TPHg, BTEX, MTBE	8015, 8020					
						Signatu	re:	1 J					



Date:		4/10/2006								
Client:		Cambria E	nvironmen	tal Technol	logy Inc.					
Site Addr	ess:	1721 Webs	ster Street	Oakland, C	CA					
Well ID:		MW-7								
Well Dian	neter:	2"								
Purging D	evice:	Disposable	Bailer							
Sampling	Method:	Disposable	Bailer		·					
Total Wel	l Depth:			28.46	Fe=	m	g/L			
Depth to \	Water:			19.62	ORP=	m	V			
Water Col	umn Heigh	t:		8.84	DO=	m	g/L			
Gallons/ft				0.16						
1 Casing	Volume (gal	l):		1.41	СОММ	ENTS:				
3 Casing	Volumes (ga	al):		4.24	very turb	id				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)	рН	COND. (µS)						
4:25	1.4	19.5	6.94	633						
4:27	2.8	19.9	7.02	621						
4:30	4.2	19.9	7.00	609	-					
Sample										
ID:	Date:		Time	Containe	er Type	Preservativ		Analytes	Method	
MW-7	4/10	/2006	4:35	Voa		HCI, ICE	·	TPHg, BTEX, MTBE	8015, 8020	
						Si	gnature		2	

APPENDIX C

Laboratory Analytical Report

ί.



Cambria Env. Technology	Client Project ID: #580-0197; Douglas	Date Sampled: 04/10/06
5900 Hollis St, Suite A	Parking	Date Received: 04/11/06
Emeryville, CA 94608	Client Contact: Subbarao Nagulapaty	Date Reported: 04/17/06
	Client P.O.:	Date Completed: 04/17/06

WorkOrder: 0604165

April 17, 2006

Dear Subbarao:

Enclosed are:

- 1). the results of **6** analyzed samples from your **#580-0197; Douglas Parking project,**
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

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

If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence

in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

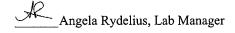
A	McCampbell A	nalyt	ical, Inc.		Telep	hone : 925-798-162	, Pacheco, CA 9455 20 Fax : 925-798-16 E-mail: main@mcca	522									
Cambria 1	Env. Technology		Client Proj	ect ID: #	‡580-0197; Doug	las Parking	Date Sampled: 04/10/06										
5900 Hol	lis St, Suite A						Date Receive	ed: 04/11/0	5								
			Client Con	tact: Sub	barao Nagulapat	ý	Date Extract	d: 04/11/06-04/12/06									
Emeryvill	le, CA 94608		Client P.O	.:			Date Analyz	ed: 04/11/0	5-04/1	2/06							
Extraction me	Gasoline R ethod: SW5030B	lange (C			ocarbons as Gas SW8021B/8015Cm	oline with B'	FEX and MTI	BE* Work Or	der: 06	i04165							
Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS							
001A	MW-2	w	56,000,a,h	ND<500	0 4900	7500	1200	7400	100	93							
002A	MW-3	w	1900,a	ND<10	0.55	1.6	0.51	4.1	1	102							
003A	MW-4	w	2900,a	ND<60	39	32	200	140	3.3	95							
004A	MW-5	w	ND	ND	ND	ND	ND	ND	1	100							
005A	MW-6	w	13,000,a,h,i	ND<250	0 140	1000	280	1000	50	111							
006A	MW-7	w	ND,i	ND	ND	ND	ND	ND	1	103							
								<u> </u>									
						:											
	· · · · ·																
									1								
Repo	rting Limit for DF =1;	w	50	5.0	0.5	0.5	0.5	0.5	1	μg/L							
	eans not detected at or ve the reporting limit	S	NA	NA	NA	NA	NA	NA	1	mg/Kg							

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644





QC SUMMARY REPORT FOR SW8021B/8015Cm

EPA Method SW8021B/8	3015Cm E	Extraction	SW5030	в	Batc	hID: 21212	2	Spiked Sample ID 0604165-006A							
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (
Analyte	μg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD					
TPH(btexf	ND	60	107	105	2.24	94.2	96.1	1.95	70 - 130	70 - 130					
МТВЕ	ND	10	86.1	96.4	11.3	103	104	0.967	70 - 130	70 - 130					
Benzene	ND	10	91	97.5	6.91	86.7	92.1	6.11	70 - 130	70 - 130					
Toluene	ND	10	97	97.9	0.888	94	99.5	5.70	70 - 130	70 - 130					
Ethylbenzene	ND	10	103	107	3.90	96.6	101	4.20	70 - 130	70 - 130					
Xylenes	ND	30	95.7	100	4.43	90.3	94	3.98	70 - 130	70 - 130					
%SS:	103	10	105	108	3.08	106	109	2.71	70 - 130	70 - 130					

BATCH 21212 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0604165-001A	4/10/06 5:30 PM	4/11/06	4/11/06 10:51 PM	0604165-002A	4/10/06 5:50 PM	4/12/06	4/12/06 9:37 PM
0604165-003A	4/10/06 5:10 PM	4/12/06	4/12/06 11:46 PM	0604165-004A	4/10/06 4:10 PM	4/12/06	4/12/06 12:20 AM
0604165-005A	4/10/06 6:25 PM	4/12/06	4/12/06 12:50 AM	0604165-006A	4/10/06 4:35 PM	4/12/06	4/12/06 1:19 AM

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

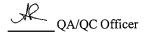
% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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



McCampbell Analytical, Inc.

110 Second Avenue South, #D7 Pacheco, CA 94553-5560 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

(925) 798	-1620		WorkOrder: 0604165 ClientID: CETE								ED	F: YES						
Report to:							Bill to:							Red	quested	TAT:	5	ō days
Subbarao Na Cambria Env 5900 Hollis S Emeryville, C	. Technology t, Suite A	TEL: FAX: ProjectNo: PO:	(510) 420-0700Accounts Payable(510) 420-9170Cambria Env. Technology#580-0197; Douglas Parking5900 Hollis St, Ste. AEmeryville, CA 94608									te Rece te Prin	04/11/2006 04/11/2006					
										R	equeste	d Tests	(See leg	gend be	low)			
Sample ID	ClientSampID		Matrix	Collection Date	Hold	1	2		3	4	5	6	7	8	9	10	11	12
0604165-001	MW-2		Water	4/10/06 5:30:00 PI	4	A	A											
0604165-002			Water	4/10/06 5:50:00 PI	4 D	Α												
0604165-003	MW-4	-	Water	4/10/06 5:10:00 PI	v 🗌	A												
0604165-004	MW-5		Water	4/10/06 4:10:00 PI	M 🗌	A												
0604165-005	MW-6		Water	4/10/06 6:25:00 PI	v 🗋	Α												
0604165-006	MW-7		Water	4/10/06 4:35:00 PI	N 🗌	A												

Test Legend:

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

Prepared by: Maria Venegas

Comments:

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

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			110 2 nd AV	VENUE SO	UTH	.#D7									ד	UF	RN	AR	OU	INE) Tl	IM	E					<u>ן</u>		Ŗ]	
	Webs	ite: <u>Anna An</u>	PACHEC Constantielle	20, CA 945 2002 Emi	100-5 111: n	560 nain@1	ncci	mp	bell.	com					_,		•	•		<u>,</u>) •				RL	SH	2	24 H	I R	4	8 HF		72 H	IR 5 DAY
	Telephon	e: (925) 798	8-1620				Fax	; (92	<mark>:5)</mark> 7	7 <u>98</u> -	162				E	DF I	keq	uire) N					-						43-		<u></u>
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	Tele: 510-420-3			<u>r</u>	ax;	(510) ct Nai	441	<u>- 191</u>	/0	Nec	0	<u>ل</u>			(CAR / CAS)			11	18.1	00	-	-) des		N S								Yes / No
┢	Project #: 580- Project Location:	170141	alater	$\frac{1}{1}$		ak	ALC:	$\frac{1}{\sqrt{2}}$	(A		10.1	ىم	ng		Į		ଜୁ	e (16	Ĭ	(HV	icide.	₹ J	8	lerbir	R	10		3						
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(SAMPLE ID Field Point Name)	LOCATION	Date	Time	# Containc	Type Conta	Water	Soil	Air				HNO	Other	MITBE / BITICK	MITEE / BUEX ONLY (EPA 662 / 8621)	TPH as Diesel	Total Petroleus	Total Privelenn Hydrecarbeau (418.1)	KPA 592.2 / 601 / 5910 / 5921 (HVOCs)	IEA 965/ 696 / 2001 (CI Pedicides)	IPA 666 / 8662 PCB's ONLY; An	KPA SW1 / \$141 (NP Penticides)	EPA 515 / \$151 (Acidic Cl Herbicides)	EPA 5342 / 624 / 8268 (VOCs)	Part Addition (ACTBC, 5738, 7AAE, DRPE, 7BA, 1.2 - DCA, 1.2 - XDB, cthand) by \$269B	ITTHe by BOLS M	VOC: and find additives by 8260	(0208 / SIEY (0012 / 2010)			•		
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