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July 21, 2004

Mr. Barney M. Chan
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re: **Groundwater Monitoring Report – Second Quarter 2004**

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

Alameda County
JUL 27 2004
Environmental Health



Dear Mr. Chan:

On behalf of Mr. Lee Douglas of Douglas Parking Company, Cambria Environmental Technology, Inc. has prepared this *Groundwater Monitoring Report - Second Quarter 2004* for the above-referenced site. This report describes the second quarter 2004 activities and results as well as the anticipated third quarter 2004 activities.

If you have any questions or comments, please call me at (510) 420-3305.

Sincerely,
Cambria Environmental Technology, Inc.

Matthew A. Meyers
Senior Staff Geologist

Attachment: Groundwater Monitoring Report – Second Quarter 2004

**Cambria
Environmental
Technology, Inc.**

cc: 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
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GROUNDWATER MONITORING REPORT – SECOND QUARTER 2004

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

July 21, 2004

Alameda County
JUL 27 2004
Environmental Health



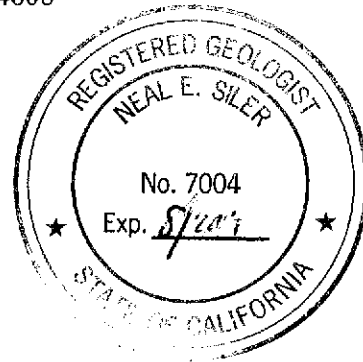
Prepared for:

Mr. Lee Douglas
1721 Webster Street
Oakland, California 94612

Prepared by:

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

Written by:



Matthew A. Meyers
Senior Staff Geologist

Neal E. Siler, R.G., R.E.A.
Senior Project Geologist

C A M B R I A

GROUNDWATER MONITORING REPORT – SECOND QUARTER 2004

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

July 21, 2004

Alameda County
JUL 27 2004
Environmental Health



INTRODUCTION

On behalf of Douglas Parking Company, Cambria Environmental Technology, Inc. (Cambria) is submitting this *Groundwater Monitoring Report - Second Quarter 2004* for the above-referenced site. Presented below are the second quarter 2004 activities and results, and the anticipated third quarter 2004 activities.

In addition, it presents a summary of historical hydrochemical data, including this event. Figure 1 displays the groundwater elevation and hydrochemical data. Table 1 contains groundwater level measurements, calculated groundwater elevation data, and historical hydrochemical data. Appendix A contains the field data sheets for this monitoring event. Appendix B contains the analytical laboratory report. Appendix C contains the GeoTracker delivery confirmation documentation.

SECOND QUARTER 2004 ACTIVITIES AND RESULTS

Monitoring Activities

Field Activities: On April 5, 2004, Cambria gauged depth-to-water and inspected the groundwater monitoring wells for separate-phase hydrocarbons (SPH). Groundwater samples were collected from monitoring wells MW-2 through MW-7.

Prior to sampling, groundwater levels and SPH thickness were gauged/measured in the wells within approximately 45 minutes to evaluate groundwater elevation and flow patterns at the site. To facilitate groundwater sampling, Cambria purged three well-casing volumes of groundwater prior to sampling. Cambria recorded groundwater pH, conductivity, and temperature, and evaluated reading stabilization. Groundwater samples were collected using clean, disposable bailers and were decanted into the appropriate containers supplied by the analytical laboratory. Samples were labeled, placed in protective foam sleeves, stored on crushed water-based ice at or below 4 degrees Celsius and transported under chain-of-custody to the laboratory. Field data sheets are presented as Appendix A.

Sample Analyses: Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by modified United States Environmental Protection Agency (EPA) Method 8015C, and benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tertiary-butyl ether (MTBE) by EPA

Method 8021B by McCampbell Analytical, Inc. of Pacheco, California, a California-certified laboratory. The analytical laboratory report is included as Appendix B. The analytical data has been submitted to the GeoTracker database (Appendix C).

Monitoring Results

Groundwater Flow Direction: Based on depth-to-water measurements collected on April 5, 2004, groundwater beneath the site flows toward the northeast with a gradient of 0.006 feet per foot (Figure 1). The gradient is consistent with historical data. Depth to water and groundwater elevation data are presented in Table 1.

Hydrocarbon Distribution in Groundwater: Hydrocarbons were detected in four of the six wells sampled this quarter. The maximum TPHg concentration was detected in up- and cross-gradient well MW-6 at 24,000 micrograms per liter ($\mu\text{g/L}$). The maximum benzene concentration was detected in well MW-2 at 1,600 $\mu\text{g/L}$. No hydrocarbon compounds were detected in the groundwater samples from wells MW-5 and MW-7. MTBE was not detected in any well (Figure 1, Table 1).

Feasibility Testing

Upon receiving an approval letter from the Alameda County Environmental Health Department (ACEHD), Cambria performed the proposed feasibility testing described in our August 12, 2003 *Work Plan Addendum – Proposed Feasibility Testing*. In order to evaluate the effectiveness of a soil vapor extraction and/or air sparge system at the site, Cambria performed a one-day pilot test on October 4, 2003. Feasibility test procedures, observations, results, and complete evaluation were described in Cambria's *Feasibility Test Report*, dated April 22, 2004.

ANTICIPATED THIRD QUARTER 2004 ACTIVITIES

Monitoring Activities

Cambria will gauge the site wells, inspect the wells for SPH, and collect groundwater samples from all wells not containing SPH. Groundwater samples will be analyzed for TPHg by modified EPA Method 8015C, and BTEX and MTBE by EPA Method 8021B. If MTBE is detected by EPA Method 8021B, the MTBE concentration will be confirmed by EPA Method 8260B. Following field activities, Cambria will tabulate the data, contour groundwater elevations, and prepare a quarterly groundwater monitoring report.

Corrective Action Activities

Following the Alameda County Environmental Health Department's approval of recommended remedial activities in the *Feasibility Test Report*, Cambria will commence activities to remediate the site.

ATTACHMENTS

Figure 1 – Groundwater Elevation Contours and Hydrocarbon Concentration Map – April 5, 2004

Table 1 – Groundwater Elevation and Analytical Data

Appendix A – Groundwater Monitoring Field Data Sheets

Appendix B – Laboratory Analytical Report

Appendix C – GeoTracker Electronic Delivery Confirmations

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EXPLANATION

- Groundwater Monitoring Well
- SB-A Soil Boring Location
- | |
|---------|
| Well ID |
| ELEV |
| TPH |
| BENZENE |
| MTBE |

 Well ID
Groundwater Elevation
Concentrations in Groundwater in micrograms per liter (µg/L)
- NS Not Sampled
- 11.50 Groundwater Elevation Contour (ft)
- Groundwater Flow Direction Gradient (ft/ft)

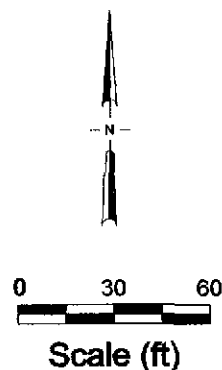
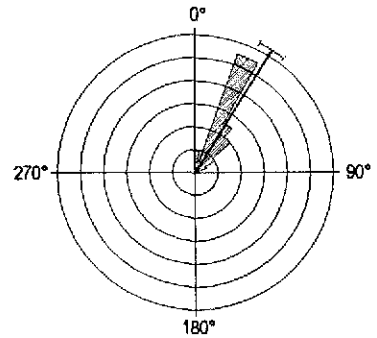
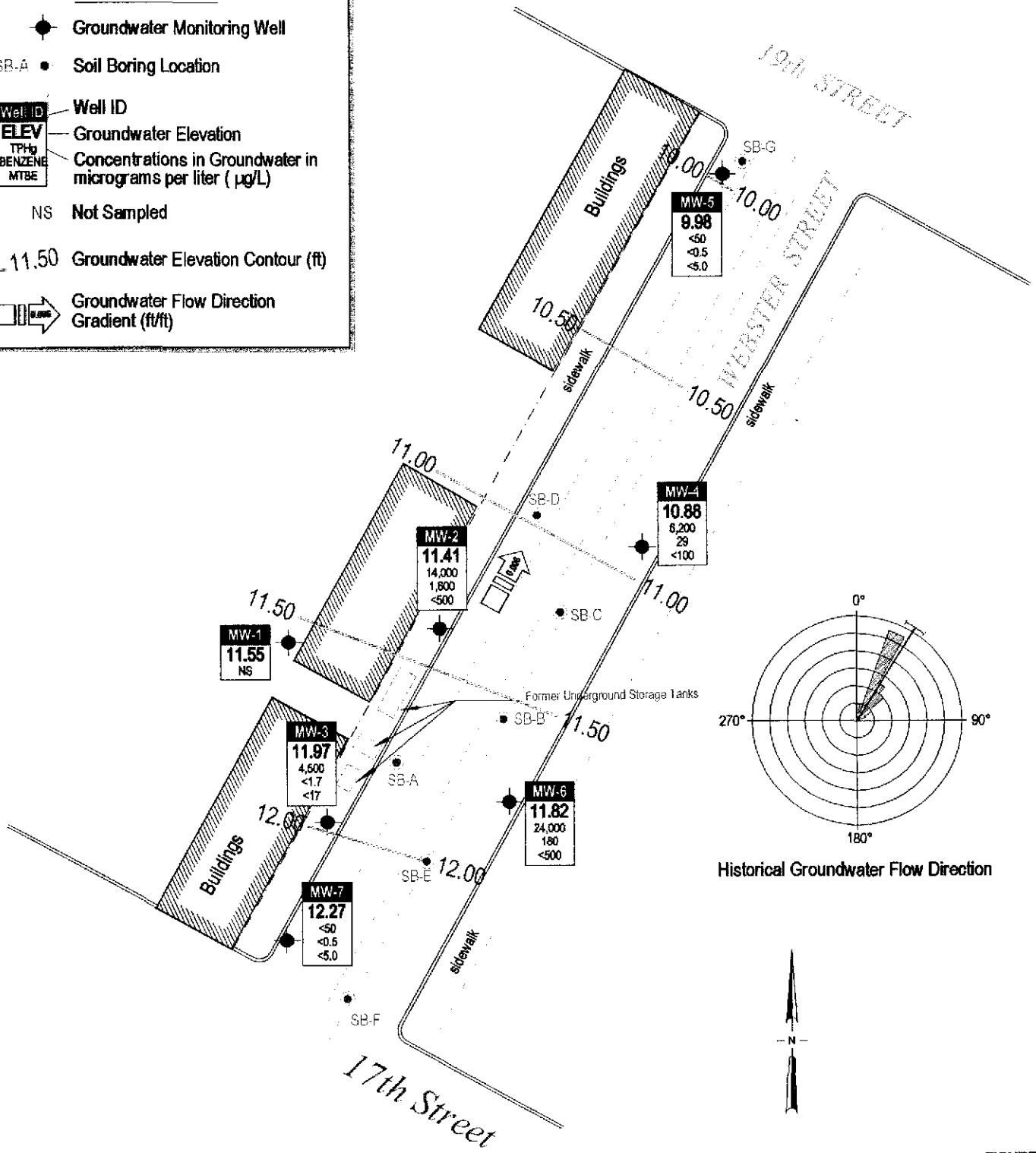


FIGURE 1

H:\DOUGLAS\1721 WEBSTER\FIGURES\QUANTERLY\SC0004-1P.DWG

Base map from Piers Environmental Services

Douglas Parking Facility
 1721 Webster Street
 Oakland, California



Groundwater Elevation Contours and Hydrocarbon Concentration Map
 April 5, 2004

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data
Douglas Parking Company, 1721 Webster Street, Oakland, CA

Well ID (TOC)	Date	Depth to Water (ft)	Groundwater Elevation (ft)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-1	12/2/1994	19.42	9.83	ND	ND	ND	ND	ND	-
29.25	3/6/1995	20.69	9.04	ND	ND	ND	ND	ND	-
29.73	7/11/1995	20.65	9.16	ND	ND	ND	ND	ND	-
29.81	5/10/1996	20.80	9.01	ND	ND	ND	ND	ND	-
	10/2/1996	21.35	8.46	-	-	-	-	-	-
	2/28/1997	20.57	9.24	-	-	-	-	-	-
	9/16/1997	21.50	8.31	-	-	-	-	-	-
	2/5/1998	20.91	8.90	-	-	-	-	-	-
	8/11/1998	20.50	9.31	-	-	-	-	-	-
	2/8/1999	21.42	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	20.84	8.97	-	-	-	-	-	-
	5/4/1999	20.80	9.01	-	-	-	-	-	-
	7/20/1999	21.25	8.56	-	-	-	-	-	-
	10/5/1999	21.37	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	-	-	-	-	-	-
	1/12/2003	22.05	7.76	-	-	-	-	-	-
	4/21/2003	21.17	8.64	-	-	-	-	-	-
32.75	7/21/2003	21.39	11.36	-	-	-	-	-	-
	10/2/2003	21.64	11.11	-	-	-	-	-	-
	1/15/2004	21.10	11.65	-	-	-	-	-	-
	4/5/2004	21.20	11.55	-	-	-	-	-	-
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	-	-	-	-	-	-
	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	18.55	8.85	90,000	9,200	21,000	1,600	10,000	560
	7/20/1999	18.98	8.42	28,000	2,100	3,700	900	4,200	<860
	10/5/1999	19.10	8.30	11,000	870	180	30	1,400	<110
	1/7/2000	19.41	7.99	15,000	1,300	2,100	440	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

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Table 1. Groundwater Elevation and Analytical Data
Douglas Parking Company, 1721 Webster Street, Oakland, CA

Well ID (TOC)	Date	Depth to Water (ft)	Groundwater Elevation (ft)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	
MW-2 (cont'd)	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	
	4/18/2002	20.15	7.25	68,000	5,100	8,900	1,100	4,000	<1,000	
	7/9/2002	21.09	6.31	1,000	200	8.9	0.67	82	<10	
	10/4/2002	21.28	6.12	270	100	3.4	0.53	10	<5.0	
	1/12/2003	20.59	6.81	67,000	7,600	13,000	1,400	5,600	<500	
	4/21/2003	19.98	7.42	78,000	7,700	12,000	1,900	6,900	<500	
	30.40	7/21/2003	20.08	10.32	1,800	360	16	<5.0	190	<50
		10/2/2003	20.41	9.99	4,000	790	110	60	350	<50
		1/15/2004	19.93	10.47	8,100	6.1	23	44	530	<50
4/5/2004		18.99	11.41	14,000	1,600	2,100	550	2,500	<500	
MW-3 29.50 29.25 29.56	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	9.03	-	-	-	-	-	-	
	2/24/1999	22.53	7.03	-	-	-	-	-	-	
	3/3/1999	20.28	9.28	-	-	-	-	-	-	
	3/10/1999	22.45	7.11	-	-	-	-	-	-	
	3/17/1999	20.26	9.30	-	-	-	-	-	-	
	5/4/1999	20.24	9.32	11,000	<2	<2	9.8	140	<10	
	7/20/1999	20.68	8.88	11,000	<0.5	3.1	13	88	<80	
	10/5/1999	20.81	8.75	31,000	62	<0.5	21	170	<90	
	1/7/2000	21.09	8.47	13,000	<0.5	<2	21	140	<80	
	4/6/2000	20.48	9.08	5,300	1.5	1.4	9.8	60	<30	
	7/31/2000	20.62	8.94	7,100	3.5	1.0	12	66	<5.0	
	10/3/2000	21.13	8.43	8,000	<0.5	3.3	11	70	<40	
	1/12/2001	21.45	8.11	11,000	4.3	6.7	11	73	<70	
	4/11/2001	21.69	7.87	10,000	<0.5	<0.5	11	65	<10	
	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	
MW-4 25.29	5/10/1996	16.98	8.31	14,000	ND	1,200	720	3,100	-	
	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	

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Table 1. Groundwater Elevation and Analytical Data
Douglas Parking Company, 1721 Webster Street, Oakland, CA

Well ID (TOC)	Date	Depth to Water (ft)	Groundwater Elevation (ft)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-4	2/5/1998	16.78	8.51	13,000	<1.0	690	690	2,900	<170
(cont'd)	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
	10/2/2003	19.02	9.27	59	0.78	<0.5	1.1	0.91	<5.0
	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
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
	1/12/2001	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

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data
Douglas Parking Company, 1721 Webster Street, Oakland, CA

Well ID (TOC)	Date	Depth to Water (ft)	Groundwater Elevation (ft)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-5	1/12/2003	16.58	5.39	<50	<0.5	<0.5	<0.5	<0.5	<5.0
(cont'd)	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
	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
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
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
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

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

Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8020

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

µg/L = micrograms per liter

<n = Not detected in sample above n µg/L

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 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.

APPENDIX A

Groundwater Monitoring Field Data Sheets

Groundwater Monitoring Field Sheet

Well ID	Time	DTP	DTW	Depth to Bottom	Product Thickness	Amount of Product Removed	Casing Diam.	Comments
MW-1	12:00		21.20				2"	
MW-2	12:40		18.99	25.74			2"	
MW-3	12:10		20.59	26.66			2"	
MW-4	12:15		17.41	29.02			2"	
MW-5	12:05		15.01	24.32			2"	
MW-6	12:25		19.17	27.51			2"	
MW-7	12:30		20.84	28.96			2"	

Project Name: Douglas Parking

Project Number/Task: 580/0197-068

Technician: T. Fulmer

Date: 4/5/04

WELL SAMPLING FORM

Project Name: <u>Douglas Parking</u>	Cambria Mgr: <u>GH</u>	Well ID: <u>MW-5</u>
Project Number: <u>SB0-0197</u>	Date: <u>4/5/04</u>	Well Yield:
Site Address: <u>721 Webster St</u> <u>Oakland, Ca</u>	Sampling Method: <u>disposable bailer</u>	Well Diameter: <u>2" pvc</u>
		Technician(s): <u>TF</u>
Initial Depth to Water: <u>15.01</u>	Total Well Depth: <u>24.31</u>	Water Column Height: <u>9.3</u>
Volume/ft: <u>0.16</u>	1 Casing Volume: <u>1.48</u>	3 Casing Volumes: <u>4.64</u>
Purging Device: <u>disposable bailer</u>	Did Well Dewater?: <u>No</u>	Total Gallons Purged: <u>5</u>
Start Purge Time: <u>1:00</u>	Stop Purge Time: <u>1:14</u>	Total Time: <u>14 min</u>

Casing Volume = Water column height x Volume/ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. (°C)	pH	Cond. (uS)	Comments
<u>1:05</u>	<u>1.5</u>	<u>20.0</u>	<u>6.82</u>	<u>400</u>	
<u>1:10</u>	<u>3</u>	<u>19.3</u>	<u>6.91</u>	<u>370</u>	
<u>1:15</u>	<u>5</u>	<u>19.7</u>	<u>6.98</u>	<u>355</u>	

Fe = mg/L ORP = mV DO = mg/L

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
<u>MW-5</u>	<u>03</u>	<u>1:20</u>	<u>3000</u>	<u>HCl</u>		

WELL SAMPLING FORM

Project Name: <u>Douglas Packing</u>	Cambria Mgr: <u>GH</u>	Well ID: <u>MW-3</u>
Project Number: <u>580-0197</u>	Date: <u>4/5/04</u>	Well Yield:
Site Address: <u>721 Webster St</u> <u>Oakland, Ca</u>	Sampling Method: <u>disposable bailer</u>	Well Diameter: <u>2" pvc</u>
		Technician(s): <u>TF</u>
Initial Depth to Water: <u>20.57</u>	Total Well Depth: <u>26.66</u>	Water Column Height: <u>6.11</u>
Volume/ft: <u>0.16</u>	1 Casing Volume: <u>0.97</u>	3 Casing Volumes: <u>2.93</u>
Purging Device: <u>disposable bailer</u>	Did Well Dewater?: <u>No</u>	Total Gallons Purged: <u>3</u>
Start Purge Time: <u>1:30</u>	Stop Purge Time: <u>1:44</u>	Total Time: <u>14 min</u>

Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. (°C)	pH	Cond. (uS)	Comments
<u>1:35</u>	<u>1</u>	<u>20.7</u>	<u>6.96</u>	<u>394</u>	
<u>1:40</u>	<u>2</u>	<u>19.6</u>	<u>6.73</u>	<u>364</u>	
<u>1:45</u>	<u>3</u>	<u>18.8</u>	<u>6.79</u>	<u>370</u>	

Fe = _____ mg/L ORP = _____ mV DO = _____ mg/L

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
<u>MW-3</u>	<u>4/5/04</u>	<u>1:50</u>	<u>3000</u>	<u>HCl</u>		

WELL SAMPLING FORM

Project Name: <u>Douglas Packing</u>	Cambria Mgr: <u>GH</u>	Well ID: <u>MW-4</u>
Project Number: <u>580-0197</u>	Date: <u>4/5/04</u>	Well Yield:
Site Address: <u>721 Webster St</u> <u>Oakland, Ca</u>	Sampling Method: <u>disposable bailer</u>	Well Diameter: <u>2" pvc</u>
		Technician(s): <u>TF</u>
Initial Depth to Water: <u>(7.4)</u>	Total Well Depth: <u>29.23</u>	Water Column Height: <u>11.82</u>
Volume/ft: <u>0.16</u>	1 Casing Volume: <u>1.89</u>	3 Casing Volumes: <u>5.67</u>
Purging Device: <u>disposable bailer</u>	Did Well Dewater?: <u>No</u>	Total Gallons Purged:
Start Purge Time: <u>2:00</u>	Stop Purge Time: <u>2:14</u>	Total Time: <u>14 min</u>

Casing Volume = Water column height x Volume/ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. (°C)	pH	Cond. (uS)	Comments
<u>2:05</u>	<u>2</u>	<u>20.7</u>	<u>6.77</u>	<u>447</u>	
<u>2:10</u>	<u>4</u>	<u>19.5</u>	<u>6.82</u>	<u>443</u>	
<u>2:15</u>	<u>6</u>	<u>19.7</u>	<u>6.81</u>	<u>454</u>	

Fe = mg/L ORP = mV DO = mg/L

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
<u>MW-4</u>	<u>4/5/04</u>	<u>2:20</u>	<u>300a</u>	<u>HCl</u>		

WELL SAMPLING FORM

Project Name: <u>Douglas Packing</u>	Cambria Mgr: <u>GH</u>	Well ID: <u>MW-6</u>
Project Number: <u>580-0197</u>	Date: <u>4/5/04</u>	Well Yield:
Site Address: <u>721 Webster St</u> <u>Oakland, Ca</u>	Sampling Method: <u>disposable bailer</u>	Well Diameter: <u>2" pvc</u>
		Technician(s): <u>TF</u>
Initial Depth to Water: <u>19.17</u>	Total Well Depth: <u>27.00</u>	Water Column Height: <u>7.83</u>
Volume/ft: <u>0.16</u>	1 Casing Volume: <u>1.25</u>	3 Casing Volumes: <u>3.75</u>
Purging Device: <u>disposable bailer</u>	Did Well Dewater?: <u>No</u>	Total Gallons Purged: <u>4</u>
Start Purge Time: <u>2:30</u>	Stop Purge Time: <u>2:44</u>	Total Time: <u>14 min</u>

Casing Volume = Water column height x Volume/ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. (°C)	pH	Cond. (uS)	Comments
<u>2:35</u>	<u>1</u>	<u>20.4</u>	<u>6.95</u>	<u>695</u>	
<u>2:40</u>	<u>2.5</u>	<u>19.5</u>	<u>6.93</u>	<u>704</u>	
<u>2:45</u>	<u>4</u>	<u>19.4</u>	<u>6.92</u>	<u>720</u>	

Fe = _____ mg/L ORP = _____ mV DO = _____ mg/L

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
<u>MW-6</u>	<u>4/5/04</u>	<u>2:50</u>	<u>3000</u>	<u>HCl</u>		

WELL SAMPLING FORM

Project Name: <u>Douglas Parking</u>	Cambria Mgr: <u>GH</u>	Well ID: <u>MW-7</u>
Project Number: <u>580-0197</u>	Date: <u>4/5/04</u>	Well Yield:
Site Address: <u>721 Webster St</u> <u>Oakland, Ca</u>	Sampling Method: <u>disposable bailer</u>	Well Diameter: <u>2" pvc</u>
		Technician(s): <u>TF</u>
Initial Depth to Water: <u>20.84</u>	Total Well Depth: <u>28.95</u>	Water Column Height: <u>8.11</u>
Volume/ft: <u>0.16</u>	1 Casing Volume: <u>1.29</u>	3 Casing Volumes: <u>3.89</u>
Purging Device: <u>disposable bailer</u>	Did Well Dewater?: <u>No</u>	Total Gallons Purged: <u>4</u>
Start Purge Time: <u>3:05</u>	Stop Purge Time: <u>3:19</u>	Total Time: <u>14 min</u>

Casing Volume = Water column height x Volume/ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. (°C)	pH	Cond. (uS)	Comments
<u>3:10</u>	<u>1.5</u>	<u>22.0</u>	<u>6.71</u>	<u>380</u>	
<u>3:15</u>	<u>2.5</u>	<u>21.0</u>	<u>6.76</u>	<u>340</u>	
<u>3:20</u>	<u>3.4</u>	<u>20.5</u>	<u>6.80</u>	<u>328</u>	

Fe =	mg/L	ORP =	mV	DO =	mg/L
------	------	-------	----	------	------

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
<u>MW-7</u>	<u>4/5/04</u>	<u>3:25</u>	<u>3000</u>	<u>HCl</u>		

WELL SAMPLING FORM

Project Name: <u>Douglas Packing</u>	Cambria Mgr: <u>GH</u>	Well ID: <u>MW-2</u>
Project Number: <u>580-0197</u>	Date: <u>4/5/04</u>	Well Yield:
Site Address: <u>721 Webster St</u> <u>Oakland, Ca</u>	Sampling Method: <u>disposable bailer</u>	Well Diameter: <u>2" pvc</u>
		Technician(s): <u>TF</u>
Initial Depth to Water: <u>18.99</u>	Total Well Depth: <u>25.74</u>	Water Column Height: <u>6.75</u>
Volume/ft: <u>0.16</u>	1 Casing Volume: <u>1.08</u>	3 Casing Volumes: <u>3.24</u>
Purging Device: <u>disposable bailer</u>	Did Well Dewater?: <u>No</u>	Total Gallons Purged: <u>3</u>
Start Purge Time: <u>3:30</u>	Stop Purge Time: <u>3:44</u>	Total Time: <u>14 min</u>

Casing Volume = Water column height x Volume/ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. (°C)	pH	Cond. (uS)	Comments
<u>3:35</u>	<u>1</u>	<u>18.9</u>	<u>6.78</u>	<u>733</u>	
<u>3:40</u>	<u>2</u>	<u>18.7</u>	<u>6.89</u>	<u>695</u>	
<u>3:45</u>	<u>3</u>	<u>18.6</u>	<u>6.74</u>	<u>694</u>	

Fe = _____ mg/L ORP = _____ mV DO = _____ mg/L

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
<u>MW-2</u>	<u>4/5/04</u>	<u>3:50</u>	<u>3000</u>	<u>HCl</u>		

APPENDIX B

Laboratory Analytical Report



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #580-0197/068; Douglass Parking	Date Sampled: 04/05/04
		Date Received: 04/06/04
	Client Contact: Gretchen Hellmann	Date Reported: 04/12/04
	Client P.O.:	Date Completed: 04/12/04

WorkOrder: 0404066

April 12, 2004

Dear Gretchen:

Enclosed are:

- 1). the results of 6 analyzed samples from your #580-0197/068; Douglass 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. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W

WorkOrder: 0404066

EPA Method: SW8021B/8015Cm		Extraction: SW5030B		BatchID: 11008			Spiked Sample ID: 0404055-012A			
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex) [£]	ND	60	108	107	0.206	101	99.6	1.81	70	130
MTBE	ND	10	91.4	91.6	0.211	105	111	5.96	70	130
Benzene	ND	10	111	112	0.963	112	119	6.03	70	130
Toluene	ND	10	106	108	1.69	106	117	9.71	70	130
Ethylbenzene	ND	10	115	115	0	110	115	4.91	70	130
Xylenes	ND	30	103	107	3.17	96	100	4.08	70	130
%SS:	97.1	10	105	105	0	105	106	0.867	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

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 and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QA/QC Officer

McC Campbell Analytical, Inc.

CHAIN-OF-CUSTODY RECORD



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

WorkOrder: 0404066

Report to:		Bill to:	Requested TAT:
Gretchen Hellmann	TEL: (510) 420-0700	Accounts Payable	5 days
Cambria Env. Technology	FAX: (510) 420-9170	Cambria Env. Technology	
5900 Hollis St, Suite A	ProjectNo: #580-0197/068; Douglass Parking	5900 Hollis St, Ste. A	<i>Date Received:</i> 4/6/04
Emeryville, CA 94608	PO:	Emeryville, CA 94608	<i>Date Printed:</i> 4/6/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)															
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
0404066-001	MW-2	Water	4/5/04 3:50:00 AM	<input type="checkbox"/>	A															
0404066-002	MW-3	Water	4/5/04 1:50:00 AM	<input type="checkbox"/>	A															
0404066-003	MW-4	Water	4/5/04 2:20:00 AM	<input type="checkbox"/>	A															
0404066-004	MW-5	Water	4/5/04 1:20:00 AM	<input type="checkbox"/>	A															
0404066-005	MW-6	Water	4/5/04 2:50:00 AM	<input type="checkbox"/>	A															
0404066-006	MW-7	Water	4/5/04 3:25:00 AM	<input type="checkbox"/>	A															

Test Legend:

1	G-MBTEX_W	2		3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: **Sonia Valles**

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.

APPENDIX C

GeoTracker Electronic Delivery Confirmations

Electronic Submittal Information

[Main Menu](#) |
 [View/Add Facilities](#) |
 [Upload EDD](#) |
 [Check EDD](#)

Your EDF file has been successfully uploaded!

Confirmation Number: 2720846831
Date/Time of Submittal: 7/12/2004 2:11:05 PM
Facility Global ID: T0600100140
Facility Name: DOUGLAS PARKING COMPANY
Submittal Title: 2nd Qtr 2004, GW Analytical Data
Submittal Type: GW Monitoring Report

[Click here](#) to view the detections report for this upload.

DOUGLAS PARKING COMPANY 1721 WEBSTER ST OAKLAND, CA 94612	Regional Board - Case #: 01-0151 SAN FRANCISCO BAY RWQCB (REGION 2) - (BG) Local Agency (lead agency) - Case #: 4070 ALAMEDA COUNTY LOP - (UNK)
--	--

CONF #	TITLE	QUARTER
2720846831	2nd Qtr 2004, GW Analytical Data	Q2 2004
SUBMITTED BY	SUBMIT DATE	STATUS
Matt Meyers	7/12/2004	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	6
# FIELD POINTS WITH DETECTIONS	4
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	4
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	SW8021F
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- SW8021F REQUIRES ETBE TO BE TESTED	
- SW8021F REQUIRES TAME TO BE TESTED	
- SW8021F REQUIRES DIPE TO BE TESTED	
- SW8021F REQUIRES TBA TO BE TESTED	
- SW8021F REQUIRES DCA12 TO BE TESTED	
- SW8021F REQUIRES EDB TO BE TESTED	
LAB NOTE DATA QUALIFIERS	N

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE - NON-STANDARD SURROGATE USED	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS > REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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Oakland
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