

December 17, 2004

Mr. Don Hwang  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, 2<sup>nd</sup> Floor  
Alameda, California 94502

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

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

Alameda County Health Care Services Agency  
DEC 22 2004



Dear Mr. Hwang:

On behalf of Mr. Lee Douglas of Douglas Parking Company, Cambria Environmental Technology, Inc. has prepared this *Groundwater Monitoring Report – Fourth Quarter 2004* for the above-referenced site. This report describes the fourth quarter 2004 activities and results as well as the anticipated first quarter 2005 activities.

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

Sincerely,  
**Cambria Environmental Technology, Inc.**

Subbarao Nagulapaty  
Project Engineer

Attachment: Groundwater Monitoring Report – Fourth 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  
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C A M B R I A

GROUNDWATER MONITORING REPORT – FOURTH QUARTER 2004

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

December 17, 2004

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CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC.



*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

Ron Scheele, R.G.  
Senior Geologist

## GROUNDWATER MONITORING REPORT – FOURTH QUARTER 2004

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

December 17, 2004



## INTRODUCTION

On behalf of Douglas Parking Company, Cambria Environmental Technology, Inc. (Cambria) is submitting this *Groundwater Monitoring Report - Fourth Quarter 2004* for the above-referenced site. Presented below are the fourth quarter 2004 activities and results, and the anticipated first quarter 2005 activities.

In addition, it presents a summary of historical hydrochemical data, including this event. Figure 1 displays current 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 electronic delivery confirmation documentation.

## FOURTH QUARTER 2004 ACTIVITIES AND RESULTS

### Monitoring Activities

**Field Activities:** On October 7, 2004, Cambria gauged depth-to-water groundwater levels and inspected for separate-phase hydrocarbons (SPH) in monitoring wells MW-1 through MW-7 (Figure 1). 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 approximately 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, 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 October 7, 2004, groundwater beneath the site flows toward the north-northeast with a gradient of 0.012 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 and MTBE Distribution in Groundwater:** Hydrocarbons were detected in three of the six wells sampled this quarter (Figure 1 and Table 1). The maximum TPHg concentration was detected in cross-gradient well MW-6 at 5,600 micrograms per liter ( $\mu\text{g/L}$ ). The maximum benzene concentration was detected in well MW-6 at 11  $\mu\text{g/L}$ . No hydrocarbon compounds were detected in the groundwater samples from wells MW-4, MW-5, and MW-7. MTBE was not detected in any of the sampled wells.

### ANTICIPATED FIRST QUARTER 2005 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 Health Care Services Agency's approval of remedial activities recommended in Cambria's *Feasibility Test Report* dated April 22, 2004, Cambria will commence activities to remediate the site.

**ATTACHMENTS**

Figure 1 – Groundwater Elevation Contours and Hydrocarbon Concentration Map – October 7, 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	Well ID
ELEV	Groundwater Elevation
TPH	Concentrations in groundwater in micrograms per liter ( $\mu\text{g/L}$ )
BENZENE	
MTBE	

- NS Not Sampled
- 9.00 Groundwater Elevation Contour (ft)
- Groundwater Flow Direction Gradient (ft/ft)

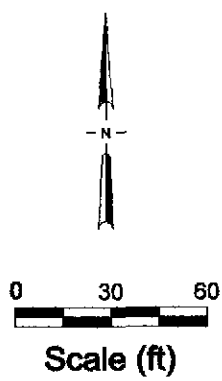
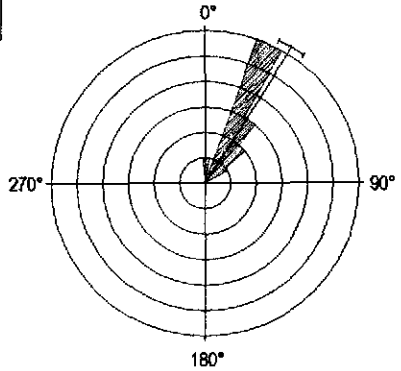
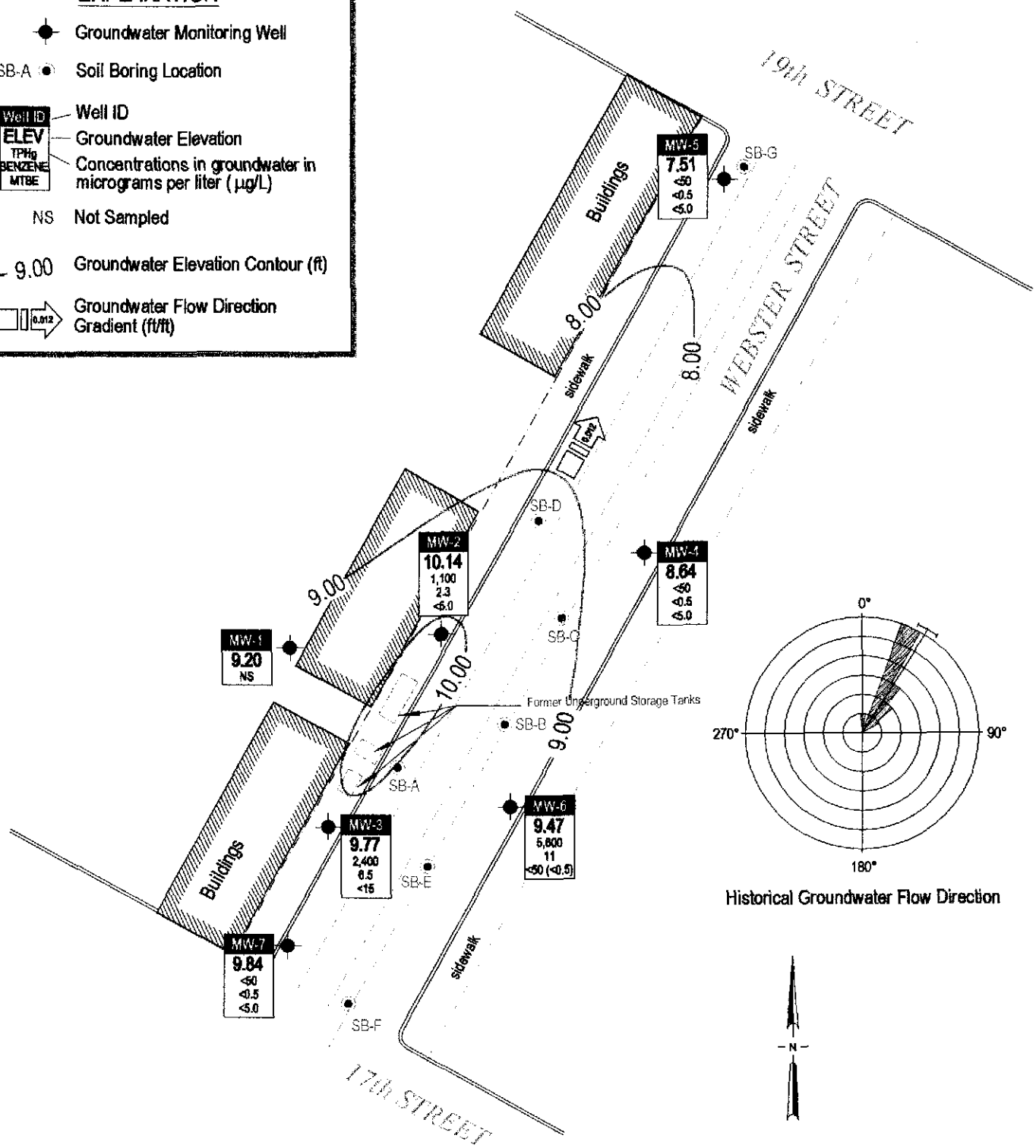


FIGURE  
**1**

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Base map from Piers Environmental Services

**Douglas Parking Facility**  
1721 Webster Street  
Oakland, California



C A M B R I A

**Groundwater Elevation Contours and Hydrocarbon Concentration Map**

October 7, 2004

# CAMBRIA

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

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	-	-	-	-	-	-
	8/9/2004	22.97	9.78	-	-	-	-	-	-
	<b>10/7/2004</b>	<b>23.55</b>	<b>9.20</b>	-	-	-	-	-	-
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

# CAMBRIA

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

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)	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	
	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
		8/9/2004	19.79	10.61	1,200	210	16	14	100	<20
		<b>10/7/2004</b>	<b>20.26</b>	<b>10.14</b>	<b>1,100</b>	<b>2.3</b>	<b>9.8</b>	<b>2.9</b>	<b>36</b>	<b>&lt;5.0</b>
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	
	8/9/2004	22.18	10.38	2,100	<1.0	3.7	<1.0	8.1	<10	
	<b>10/7/2004</b>	<b>22.79</b>	<b>9.77</b>	<b>2,400</b>	<b>6.5</b>	<b>26</b>	<b>7.5</b>	<b>89</b>	<b>&lt;15</b>	



# CAMBRIA

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

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 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
	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
	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
	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
MW-5 21.97	5/10/1996	14.60	7.37	ND	ND	ND	ND	ND	-
	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	

# CAMBRIA

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

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 (cont'd)	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	
	1/12/2003	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
		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		
MW-6 30.99	6/30/2003	19.60	11.39	68,000	950	6,000	2,400	10,000	<1,000	
	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)	
MW-7 33.11	6/30/2003	21.40	11.71	170	<0.5	2.1	2.0	8.7	<5.0	
	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	
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 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.

## **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	5:55		23.55					DO = 0.78 mg/L
MW-2	5:45		20.26	25.74				DO = 0.34 mg/L
MW-3	5:50		22.79	26.66				DO = 0.49 mg/L
MW-4	5:35		19.65	29.02				DO = 0.55 mg/L
MW-5	5:30		17.48	24.32				DO = 0.72 mg/L
MW-6	6:00		21.52	27.51				DO = 0.55 mg/L
MW-7	5:40		23.27	28.96				DO = 0.69 mg/L

Project Name: Douglas ParkinsProject Number/Task: 580-0197Technician: J. HillDate: 10-7-04

WELL SAMPLING FORM

Project Name: <i>Douglas Parking</i>	Cambria Mgr: <i>SN</i>	Well ID: <i>MW-2</i>
Project Number: <i>580-0197</i>	Date: <i>10-7-04</i>	Well Yield:
Site Address: <i>1721 Webster St Oakland, CA</i>	Sampling Method: <i>disposable bailer</i>	Well Diameter: <i>2" pvc</i>
		Technician(s): <i>SG</i>
Initial Depth to Water: <i>20.26</i>	Total Well Depth: <i>25.74</i>	Water Column Height: <i>5.48</i>
Volume/ft: <i>0.16</i>	1 Casing Volume: <i>0.87</i>	3 Casing Volumes: <i>2.63</i>
Purging Device: <i>disposable bailer</i>	Did Well Dewater?: <i>no</i>	Total Gallons Purged: <i>2.5</i>
Start Purge Time: <i>9:30</i>	Stop Purge Time: <i>10:59</i>	Total Time: <i>29 mins</i>

1 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
<i>9:40</i>	<i>1.5</i>	<i>19.2</i>	<i>7.00</i>	<i>1050</i>	
<i>9:50</i>	<i>2.0</i>	<i>18.6</i>	<i>6.97</i>	<i>961</i>	
<i>10:00</i>	<i>2.5</i>	<i>18.9</i>	<i>6.98</i>	<i>1014</i>	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
<i>MW-2</i>	<i>10-7-04</i>	<i>10:05</i>				

## WELL SAMPLING FORM

Project Name: <u>Douglas Parking</u>	Cambria Mgr: <u>SN</u>	Well ID: <u>MW-3</u>
Project Number: <u>580-0197</u>	Date: <u>10-7-04</u>	Well Yield:
Site Address: <u>1721 Webster St</u> <u>Oakland, CA</u>	Sampling Method: <u>disposable bailer</u>	Well Diameter: <u>2" pvc</u>
		Technician(s): <u>SA</u>
Initial Depth to Water: <u>22.79</u>	Total Well Depth: <u>26.66</u>	Water Column Height: <u>3.87</u>
Volume/ft: <u>0.16</u>	1 Casing Volume: <u>0.61</u>	3 Casing Volumes: <u>1.83</u>
Purging Device: <u>disposable bailer</u>	Did Well Dewater?: <u>no</u>	Total Gallons Purged: <u>2</u>
Start Purge Time: <u>10:30</u>	Stop Purge Time: <u>10:59</u>	Total Time: <u>29 mins</u>

1 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>10:40</u>	<u>1.0</u>	<u>18.8</u>	<u>6.93</u>	<u>861</u>	
<u>10:50</u>	<u>1.5</u>	<u>18.8</u>	<u>6.97</u>	<u>1240</u>	
<u>11:00</u>	<u>2.0</u>	<u>19.0</u>	<u>7.02</u>	<u>1168</u>	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
<u>MW-3</u>	<u>10-7-04</u>	<u>11:05</u>				

WELL SAMPLING FORM

Project Name: <i>Douglas Parking</i>	Cambria Mgr: <i>SN</i>	Well ID: <i>MW-4</i>
Project Number: <i>580-0197</i>	Date: <i>10-7-04</i>	Well Yield:
Site Address: <i>1721 Webster St Oakland, CA</i>	Sampling Method: <i>disposable bailer</i>	Well Diameter: <i>2</i> <input type="checkbox"/> <b>pvc</b>
		Technician(s): <i>SA</i>
Initial Depth to Water: <i>19.65</i>	Total Well Depth: <i>29.02</i>	Water Column Height: <i>9.37</i>
Volume/ft: <i>0.16</i>	1 Casing Volume: <i>1.49</i>	3 Casing Volumes: <i>4.49</i>
Purging Device: <i>disposable bailer</i>	Did Well Dewater?: <i>no</i>	Total Gallons Purged: <i>5.5</i>
Start Purge Time: <i>7:30</i>	Stop Purge Time: <i>7:59</i>	Total Time: <i>29 mins</i>

1 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
<i>7:40</i>	<i>1.5</i>	<i>19.2</i>	<i>7.13</i>	<i>1025</i>	
<i>7:50</i>	<i>3.0</i>	<i>19.4</i>	<i>7.20</i>	<i>970</i>	
<i>8:00</i>	<i>5.5</i>	<i>19.5</i>	<i>7.22</i>	<i>921</i>	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
<i>MW-4</i>	<i>10-7-04</i>	<i>8:05</i>				

WELL SAMPLING FORM

Project Name: <u>Douglas Parking</u>	Cambria Mgr: <u>SN</u>	Well ID: <u>MW-5</u>
Project Number: <u>580-0197</u>	Date: <u>10-7-04</u>	Well Yield:
Site Address: <u>1721 Webster St</u> <u>Oakland, CA</u>	Sampling Method: <u>disposable bailer</u>	Well Diameter: <u>2</u> <input type="checkbox"/> pvc
		Technician(s): <u>SA</u>
Initial Depth to Water: <u>17.48</u>	Total Well Depth: <u>24.32</u>	Water Column Height: <u>6.84</u>
Volume/ft: <u>0.16</u>	1 Casing Volume: <u>1.09</u>	3 Casing Volumes: <u>3.27</u>
Purging Device: <u>disposable bailer</u>	Did Well Dewater?: <u>no</u>	Total Gallons Purged: <u>3</u>
Start Purge Time: <u>6:30</u>	Stop Purge Time: <u>6:59</u>	Total Time: <u>29mins</u>

1 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>6:40</u>	<u>1</u>	<u>19.8</u>	<u>6.90</u>	<u>529</u>	
<u>6:50</u>	<u>2</u>	<u>19.6</u>	<u>6.93</u>	<u>718</u>	
<u>7:00</u>	<u>3</u>	<u>19.5</u>	<u>6.97</u>	<u>760</u>	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
<u>MW-5</u>	<u>10-7-04</u>	<u>7:05</u>				



WELL SAMPLING FORM

Project Name: <i>Douglas Parking</i>	Cambria Mgr: <i>SN</i>	Well ID: <i>MW-6</i>
Project Number: <i>580-0197</i>	Date: <i>10-7-04</i>	Well Yield:
Site Address: <i>1721 Webster St Oakland, CA</i>	Sampling Method: <i>disposable bailer</i>	Well Diameter: <i>2" pvc</i>
		Technician(s): <i>SC</i>
Initial Depth to Water: <i>21.52</i>	Total Well Depth: <i>27.51</i>	Water Column Height: <i>5.99</i>
Volume/ft: <i>0.16</i>	1 Casing Volume: <i>0.95</i>	3 Casing Volumes: <i>2.87</i>
Purging Device: <i>disposable bailer</i>	Did Well Dewater?: <i>no</i>	Total Gallons Purged: <i>3</i>
Start Purge Time: <i>11:30</i>	Stop Purge Time: <i>11:59</i>	Total Time: <i>29mins</i>

1 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
<i>11:40</i>	<i>1</i>	<i>19.6</i>	<i>7.05</i>	<i>1510</i>	
<i>11:50</i>	<i>2</i>	<i>19.1</i>	<i>7.13</i>	<i>1074</i>	
<i>12:00</i>	<i>3</i>	<i>19.0</i>	<i>7.12</i>	<i>922</i>	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
<i>MW-6</i>	<i>10-7-04</i>	<i>12:05</i>				

**WELL SAMPLING FORM**

Project Name: <i>Douglas Parking</i>	Cambria Mgr: <i>SN</i>	Well ID: <i>MW-7</i>
Project Number: <i>580-0197</i>	Date: <i>10-7-04</i>	Well Yield:
Site Address: <i>1721 Webster St Oakland, CA</i>	Sampling Method: <i>disposable bailer</i>	Well Diameter: <i>2" pvc</i>
		Technician(s): <i>SA</i>
Initial Depth to Water: <i>23.27</i>	Total Well Depth: <i>28.96</i>	Water Column Height: <i>5.69</i>
Volume/ft: <i>0.16</i>	1 Casing Volume: <i>0.91</i>	3 Casing Volumes: <i>2.73</i>
Purging Device: <i>disposable bailer</i>	Did Well Dewater?: <i>no</i>	Total Gallons Purged: <i>3</i>
Start Purge Time: <i>8:30</i>	Stop Purge Time: <i>8:59</i>	Total Time: <i>29mins</i>

1 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
<i>8:40</i>	<i>1</i>	<i>18.9</i>	<i>6.92</i>	<i>568</i>	
<i>8:50</i>	<i>2</i>	<i>19.2</i>	<i>7.03</i>	<i>820</i>	
<i>9:00</i>	<i>3</i>	<i>19.6</i>	<i>7.07</i>	<i>875</i>	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
<i>MW-7</i>	<i>10-7-04</i>	<i>9:05</i>				

## **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.mcccampbell.com E-mail: main@mcccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #580-0197; Douglas Parking	Date Sampled: 10/07/04
		Date Received: 10/08/04
	Client Contact: Matt Meyers	Date Reported: 10/13/04
	Client P.O.:	Date Completed: 10/13/04

**WorkOrder: 0410119**

October 13, 2004

Dear Matt:

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. 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: 0410119

EPA Method: SW8021B/8015Cm		Extraction: SW5030B		BatchID: 13521			Spiked Sample ID: 0410119-006A			
Analyte	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) <sup>£</sup>	ND	60	96.8	97.4	0.612	95.1	97.4	2.39	70	130
MTBE	ND	10	97.7	106	8.23	89	91.7	2.98	70	130
Benzene	ND	10	102	104	1.96	94.2	99.6	5.55	70	130
Toluene	ND	10	94.6	96.2	1.68	87.9	93.7	6.37	70	130
Ethylbenzene	ND	10	98.7	101	2.18	98.5	98.7	0.176	70	130
Xylenes	ND	30	85.7	85.7	0	86	89.7	4.17	70	130
%SS:	88.0	10	106	106	0	104	105	1.16	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 / 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.

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.



**QC SUMMARY REPORT FOR SW8021B/8015Cm**

Matrix: W

WorkOrder: 0410119

EPA Method: SW8021B/8015Cm		Extraction: SW5030B		BatchID: 13518			Spiked Sample ID: 0410113-012B			
Analyte	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) <sup>£</sup>	ND	60	95.4	94.6	0.911	95.1	96.1	1.08	70	130
MTBE	ND	10	89.7	96.9	7.73	105	97.7	6.98	70	130
Benzene	ND	10	95.1	102	6.54	98.2	98.4	0.171	70	130
Toluene	ND	10	91.3	96.4	5.46	91.6	91.7	0.147	70	130
Ethylbenzene	ND	10	94	97.5	3.71	96.4	96.5	0.0657	70	130
Xylenes	ND	30	81	85.3	5.21	85.3	85.7	0.390	70	130
%SS:	100	10	104	106	2.37	102	103	1.06	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 / 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.

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.





**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

### QC SUMMARY REPORT FOR SW8260B

Matrix: W

WorkOrder: 0410119

EPA Method: SW8260B		Extraction: SW5030B			BatchID: 13519			Spiked Sample ID: 0410113-010C		
Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Methyl-t-butyl ether (MTBE)	ND	10	107	104	3.04	95.7	90.9	5.18	70	130
%SS1:	101	10	105	105	0	101	99	1.42	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).

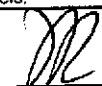
\* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the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

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.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

 QA/QC Officer





## **APPENDIX C**

### **GeoTracker Electronic Delivery Confirmations**

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**Confirmation Number:** 8999006569  
**Date/Time of Submittal:** 12/3/2004 1:27:38 PM  
**Facility Global ID:** T0600100140  
**Facility Name:** DOUGLAS PARKING COMPANY  
**Submittal Title:** 4th Qtr 2004, GW Analytical Data  
**Submittal Type:** GW Monitoring Report

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

<b>DOUGLAS PARKING COMPANY</b> 1721 WEBSTER ST OAKLAND, CA 94612	<b>Regional Board - Case #: 01-0151</b> SAN FRANCISCO BAY RWQCB (REGION 2) - (BG) <b>Local Agency (lead agency) - Case #: 4070</b> ALAMEDA COUNTY LOP - (AG)
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<b>CONF.#</b> 8999006569	<b>TITLE</b> 4th Qtr 2004, GW Analytical Data	<b>QUARTER</b> Q4 2004
<b>SUBMITTED BY</b> Matt Meyers	<b>SUBMIT DATE</b> 12/3/2004	<b>STATUS</b> PENDING REVIEW

**SAMPLE DETECTIONS REPORT**

# FIELD POINTS SAMPLED	6
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	3
SAMPLE MATRIX TYPES	WATER

**METHOD QA/QC REPORT**

METHODS USED	SW8021F,SW8260B
TESTED FOR REQUIRED ANALYTES?	Y
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%	N
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 &gt; REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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CONTACT SITE ADMINISTRATOR.

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**Submittal Title:** 4th Qtr 2004, GW Depth Data for 1721 Webster Street,  
Oakland

**Submittal Date/Time:** 12/3/2004 1:29:14 PM

**Confirmation  
Number:** 5329914689

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