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Transmitted Via UPS Next Day Air

October 21, 2004

Mr. Amir K. Gholami, REHS
Hazardous Materials Specialist
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502-6577

Re: Groundwater Monitoring & Sampling Report
UPS – Oakland Hub
8400 Pardee Drive, Oakland, California
State ID # 583; BBL Project #: 36768.03

Dear Mr. Gholami:

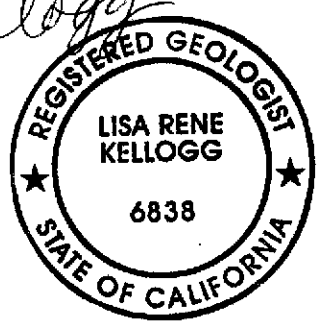
On behalf of United Parcel Service (UPS), Blasland, Bouck & Lee, Inc. (BBL) is transmitting herewith the Second Semi-Annual 2004 Monitoring & Sampling Report for the above-referenced facility. This report describes groundwater monitoring efforts performed at the site on September 29, 2004. The groundwater monitoring events were conducted in accordance with the Work Plan approval letter, dated August 8, 1997, from the Alameda County Health Care Services Agency. If you have any questions regarding this report, please do not hesitate to contact Mr. Hugh Devery at (770) 428-9009 extension 11.

Sincerely,

BLASLAND, BOUCK & LEE, INC.

Hugh B. Devery
Senior Geologist

Lisa R. Kellogg, R.G.
Senior Geologist II



HBD/hbd

cc: Linda Lyons, UPS, w/ attachments
File

975 Cobb Place Boulevard • Suite 311 • Kennesaw, Georgia 30144-4817 Tel (770) 428-9009 • Fax (770) 428-4004 • www.bbl-inc.com •

Year 2004 Second Semi-Annual Monitoring & Sampling Report

UPS – Oakland Hub
8400 Pardee Drive
Oakland, California

State ID # 583

United Parcel Service
55 Glenlake Parkway, NE
Atlanta, Georgia 30328

October 2004

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TECHNICAL REPORT

Year 2004 Second Semi-Annual Monitoring & Sampling Report

UPS – Oakland Hub
8400 Pardee Drive
Oakland, California

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55 Glenlake Parkway, NE
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1 Groundwater Monitoring & Sampling

1.1. Introduction

United Parcel Service (UPS) retained Blasland, Bouck & Lee, Inc. (BBL) to perform groundwater monitoring at the UPS-Oakland Center located at 8400 Pardee Drive, Oakland, California (**Figures 1** and **2**). This report describes results of groundwater monitoring performed on September 29, 2004. Groundwater monitoring was conducted in accordance with the Alameda County Health Care Services (ACHCS)–approved work plan (BBL, August 1997).

Groundwater samples were collected from groundwater monitoring wells MW-1, MW-2, MW-3 and OW-1 on September 29, 2004. The field activities were conducted in accordance with the groundwater monitoring procedures described in **Appendix A**. Water levels were measured prior to purging the wells. Purge water was monitored to document stabilization of pH, temperature, and conductivity parameters (**Appendix B**). Disposal of purged water is described in Section 1.4.

1.2. Water Levels

Depths to water in the four monitoring wells were measured on September 29, 2004. Static fluid levels in the wells were measured to an accuracy of 0.01-foot using an electronic interface probe that is capable of detecting water and phase-separated hydrocarbons (PSH). PSH was detected in wells MW-2 and OW-1 at apparent thicknesses of 0.02 feet and 0.04 feet, respectively. Groundwater elevations in monitoring wells MW-1 and MW-3 in September 2004 were approximately 0.20 feet lower on average than water levels measured in April 2004. The groundwater elevation in MW-2 increased 0.93 feet between April 2004 and September 2004. A generalized groundwater contour map prepared using the September 2004 groundwater elevation data is shown on **Figure 3.** Groundwater flow is to the southwest, which agrees with historical direction.

1.3. Water Quality

Groundwater samples were collected from monitoring wells MW-1, MW-2, MW-3 and OW-1 on September 29, 2004. The thin amount of PSH was bailed off prior to sampling wells MW-2 (0.02 feet) and OW-1 (0.04 feet). The samples were analyzed for total petroleum hydrocarbons as diesel (TPH-d) by United States Environmental Protection Agency (USEPA) Method 8015M and for TPH-g (gasoline), benzene, toluene, ethylbenzene, total xylenes, and methyl tert-butyl ether (BTEX/MTBE) by USEPA Method 8260B. Analyses were conducted by STL in Pleasanton, California, certified for environmental analyses by the California Department of Health Services (certificate number: 2496). Summaries of the groundwater analytical data are presented in **Table 2** and on **Figure 4**. The laboratory analytical results and chain-of-custody documentation are attached as **Appendix C**.

Benzene was not detected above the primary drinking water maximum contaminant levels (MCL) of Title 22 of the California Code of Regulations in the groundwater sample collected from any wells. MTBE was detected in MW-1 at 2.1 microgram per liter (µg /L) No additional BTEX/MTBE analytes were detected above the MCL in any of the remaining groundwater samples collected during the September 2004 monitoring events. TPH-g was detected in monitoring wells MW-1, MW-2, MW-3 and OW-1; MW-1 with a concentration of 1.40 milligrams per liter (mg/L), MW-2 with a concentration of 0.630 mg/L, MW-3 with a concentration of 0.390 mg/L and OW-1 with a concentration of 2.80 mg/L. The samples collected from each well contained a laboratory validation flag stating, "Hydrocarbon reported in the gasoline range does not match laboratory gasoline standard". TPH-d was detected in wells MW-1, MW-2, MW-3 and OW-1; MW-1 with a concentration of 15 mg/L, MW-2 with a concentration of 10 mg/L, MW-3 with a

concentration of 10 mg/L and OW-1 with a concentration of 440 mg/L. The laboratory reported a data flag stating, "Hydrocarbon reported does not match the pattern of laboratory Diesel standard". There is currently no established MCL for TPH-g or TPH-d.

1.4. Purge Water Handling

The water generated from groundwater sampling activities was contained in 55-gallon drums and stored at the UPS center pending proper disposal offsite.

1.5. Summary

1. Groundwater samples were collected on September 29, 2004 and sampled for BTEX, MTBE, TPH-g and TPH-d.

2. Measured depths to water ranged from 4.30 feet below top of casing (btoc) in MW-3 to 7.08 feet btoc in OW-1 (**Table 1**). PSH was detected in monitoring wells MW-2 and OW-1 at apparent thicknesses of 0.02 feet and 0.04 feet, respectively. Groundwater elevations in monitoring wells MW-1 and MW-3 in September 2004 were approximately 0.20 feet lower on average than water levels measured in April 2004. The groundwater elevation in MW-2 increased 0.93 feet between April 2004 and September 2004. A generalized groundwater contour map prepared using the September 2004 groundwater elevation data is shown on **Figure 3**. Groundwater flow is to the southwest, which agrees with historical direction.

3. Benzene was not detected above the primary drinking water MCL of Title 2 of the California Code of Regulations in any groundwater samples collected from the site. MTBE was reported in the groundwater sample collected from MW-1 at 2.1 µg /L. No additional BTEX/MTBE analytes were detected above the MCL in any of the remaining groundwater samples collected during the September 2004 monitoring events.

4. TPH-g was detected in monitoring wells MW-1, MW-2, MW-3 and OW-1; MW-1 with a concentration of 1.40 mg/L, MW-2 with a concentration of 0.630 mg/L, MW-3 with a concentration of 0.390 mg/L and OW-1 with a concentration of 2.8 mg/L. The samples collected from each well contained a laboratory flag stating, "Hydrocarbon reported in the gasoline range does not match laboratory gasoline standard". TPH-d was detected in wells MW-1, MW-2, MW-3 and OW-1; MW-1 with a concentration of 15 mg/L, MW-2 with a concentration of 10 mg/L, MW-3 with a concentration of 10 mg/L and OW-1 with a concentration of 440 mg/L. The laboratory reported a data flag stating, "Hydrocarbon reported does not match the pattern of laboratory Diesel standard".

References:

Blasland, Bouck & Lee, Inc., 1997. Work Plan for UPS Distribution Center, 8400 Pardee Drive, Oakland, California.

FIGURES

UPS-Oakland Center

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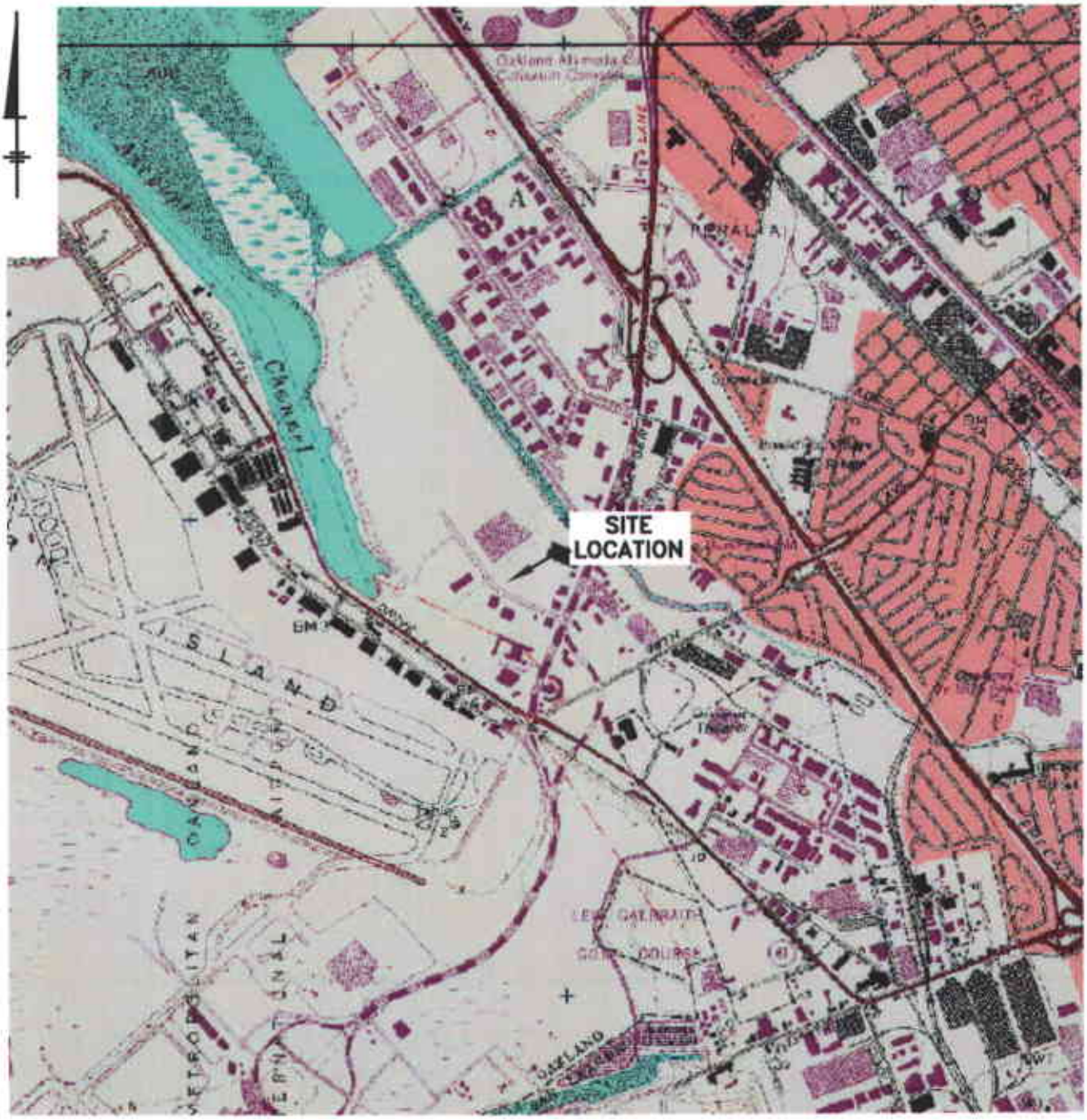

NOTES:

1. Base Map Source: USGS 7.5 Min. Topo. Quad., San Leandro, Calif.(1993)
2. Property Location is Approximate Only.

0 2000' 4000'

APPROXIMATE SCALE: 1"=2000'

UPS–OAKLAND FACILITY
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
GROUNDWATER MONITORING REPORT

TOPOGRAPHIC MAP OF SITE LOCATION AND VICINITY

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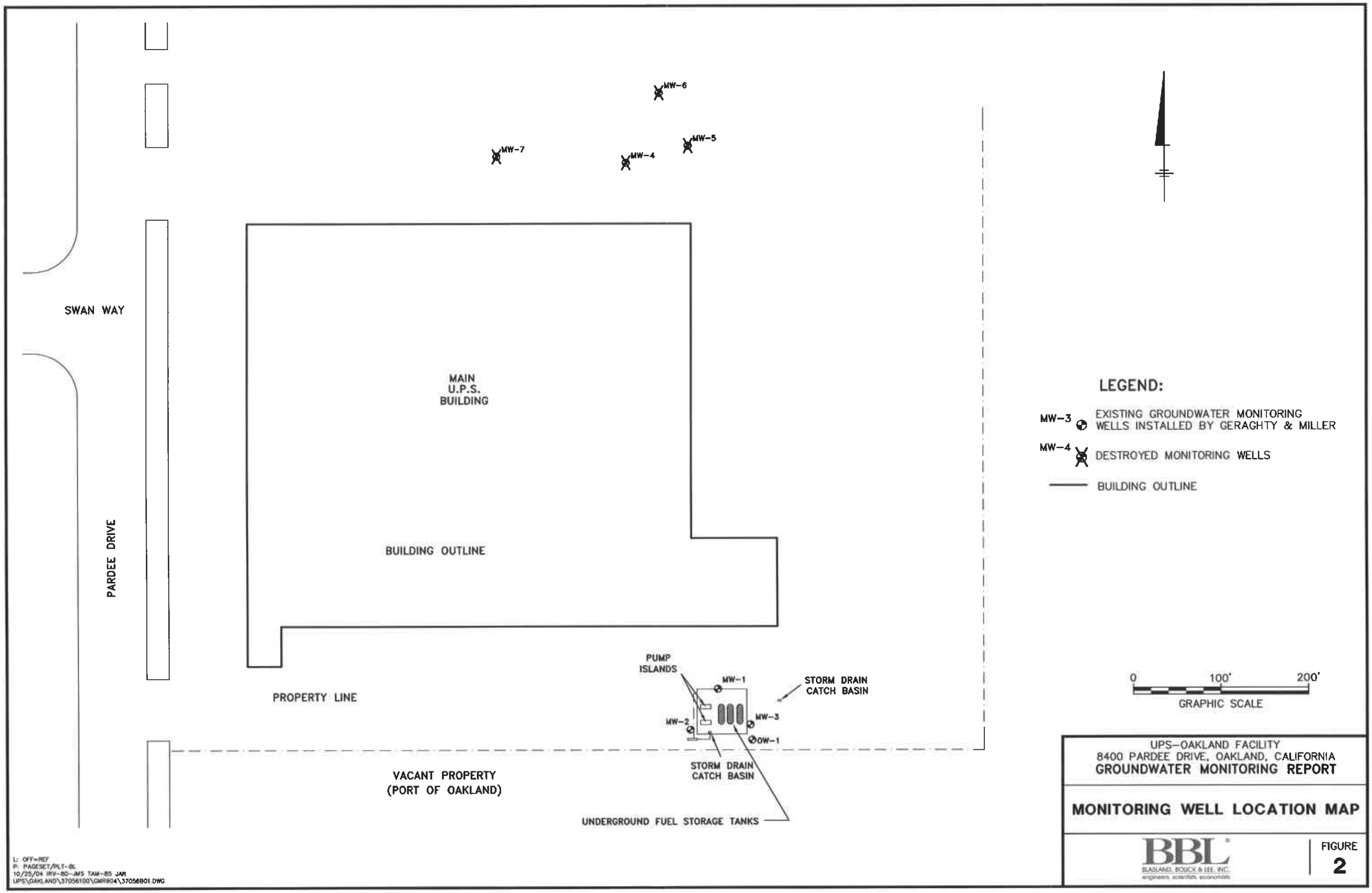
FIGURE
1

K: WEST-OAK.BMP
L: (LAYER)
P: PAGESET/PLT-AP1
10/12/04 IRV-BS JMS TAM-BS JAR
UPS\OAKLAND\37056100\GMR904\37056N01.DWG



L: OFF=REF
P: PAGESET/PLT-BL
10/25/04 IRV-SO-JMS TAM-BS JAR
UPS\OAKLAND\37056100\GMR904\37056B01.DWG

UPS-OAKLAND FACILITY
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
GROUNDWATER MONITORING REPORT

MONITORING WELL LOCATION MAP

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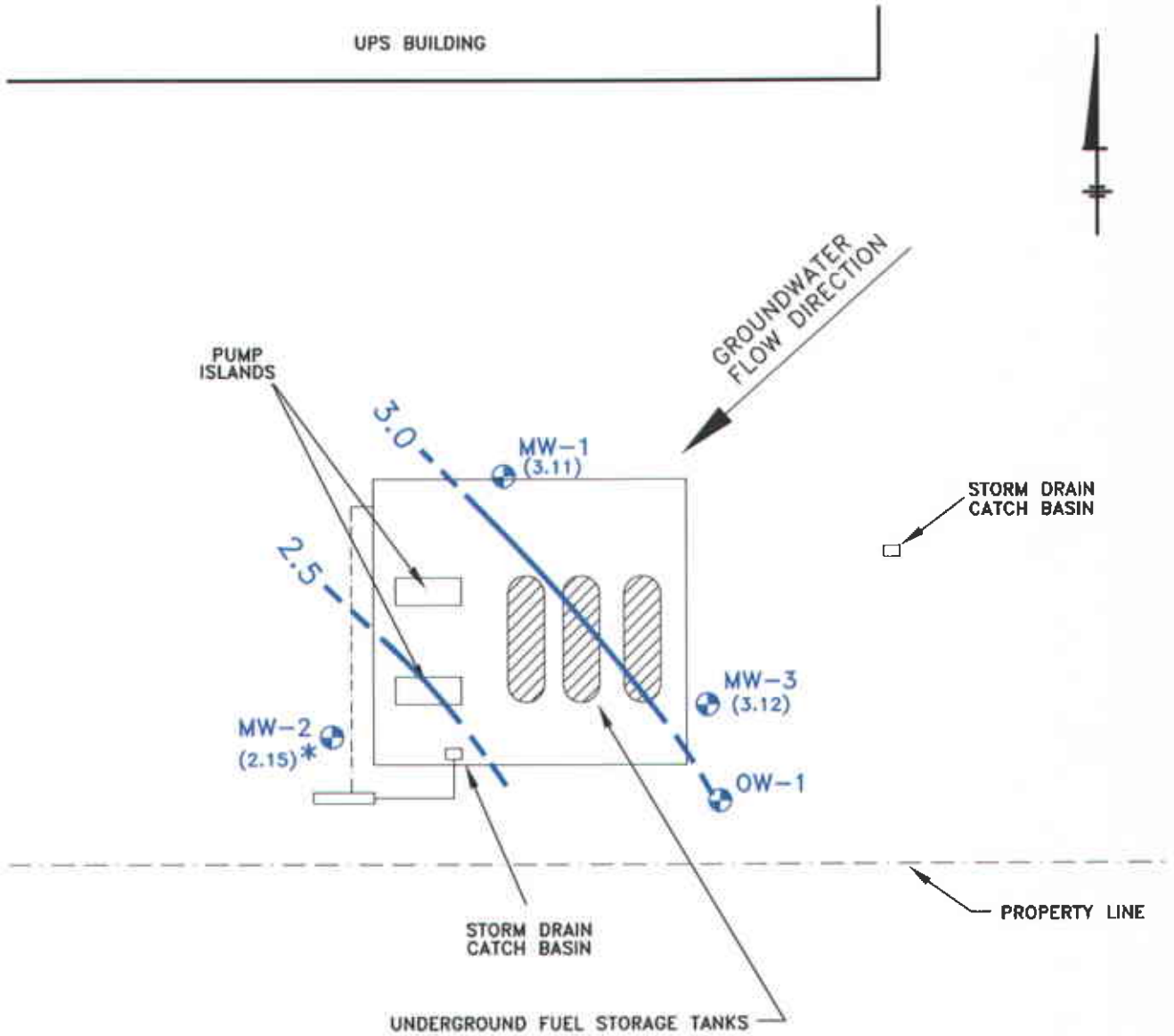
FIGURE
2



LEGEND:

MW-1 (3.68) — EXISTING GROUNDWATER MONITORING WELLS INSTALLED BY GERAGHTY & MILLER (GROUNDWATER TABLE ELEVATION IN FEET ABOVE MSL)

—3.0— GROUNDWATER ELEVATION CONTOUR

* GROUNDWATER ELEVATION NOT CORRECTED FOR <0.01 FOOT OF PRODUCT PRESENT IN WELL

0 30' 60'

GRAPHIC SCALE

NOTE:

1. OW-1 WAS NOT USED TO GENERATE CONTOURS. NO SURVEY DATA.

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8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
GROUNDWATER MONITORING REPORT

GROUNDWATER CONTOUR MAP SEPTEMBER 29, 2004

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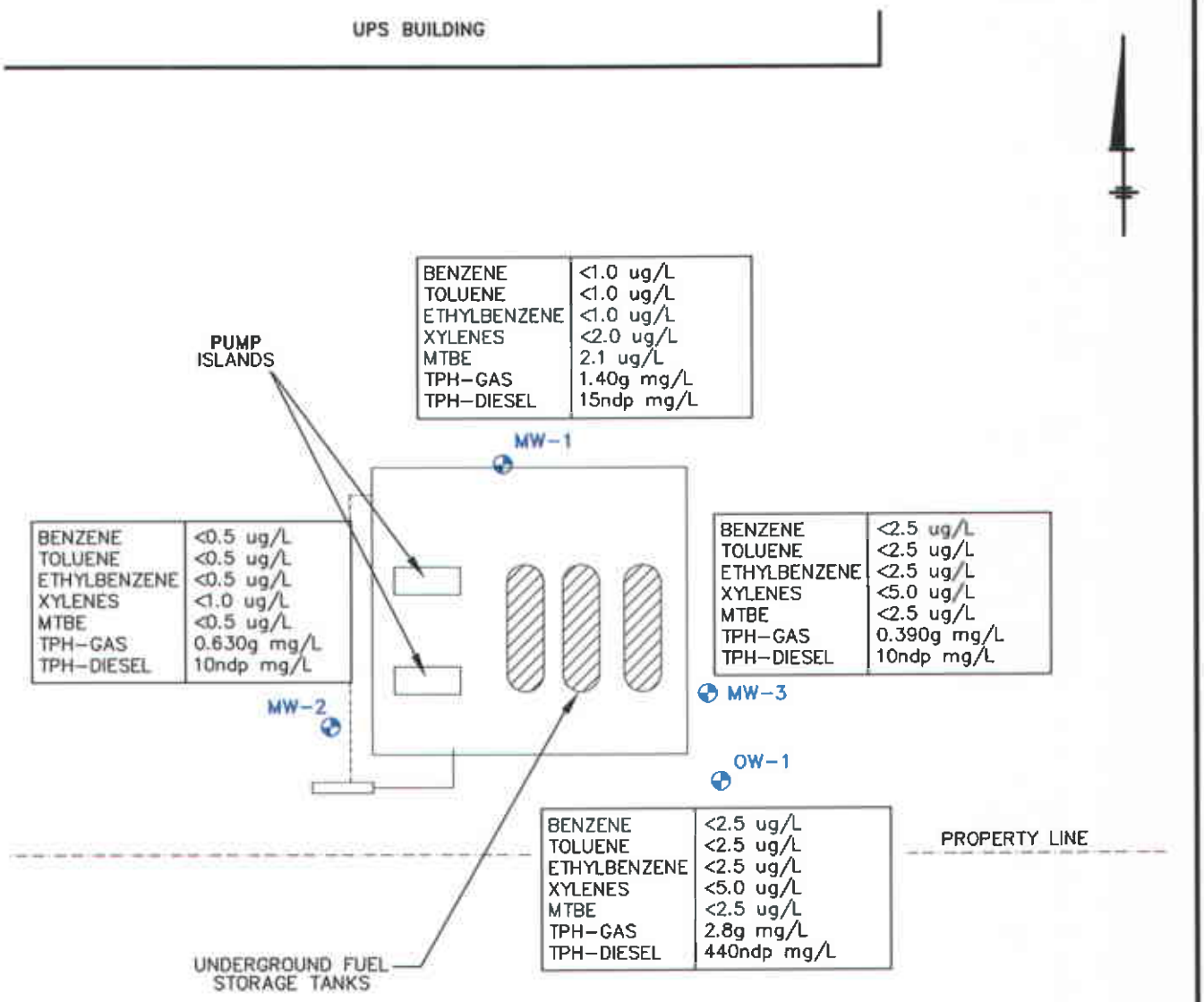
FIGURE 3

X: (XREF)
L: (LAYER)
P: PAGESET/PLT-AP1
10/25/04 IRV-80 JMS TAM-85 JAR
UPS\OAKLAND\37056100\GMR04\37056W01.DWG



LEGEND:

MW-1 EXISTING GROUNDWATER MONITORING WELLS INSTALLED BY GERAGHTY & MILLER

ug/L MICROGRAMS PER LITER

mg/L MILLIGRAMS PER LITER

ndp HYDROCARBON REPORTED DOES NOT MATCH THE PATTEN OF LABORATORY DIESEL STANDARD.

g HYDROCARBON REPORTED DOES NOT MATCH THE PATTEN OF LABORATORY GASOLINE STANDARD.

0 30' 60'

GRAPHIC SCALE

UPS-OAKLAND FACILITY
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
GROUNDWATER MONITORING REPORT

GROUNDWATER QUALITY MAP SEPTEMBER 29, 2004

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FIGURE 4

X: (XREF)
L: (LAYER)
P: PAGESET/PLT-AP1
10/22/04 IRV-80 JMS TAM-85 JAR
UPS\OAKLAND\37056100\DWG\04\37056C01.DWG

TABLES

UPS-Oakland Center

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TABLE 1

HISTORICAL GROUNDWATER ELEVATION SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date Sampled	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Change in Measurement (ft)	Product Thickness (ft)
MW-1	7.43	8/28/1990	3.80	3.63	--	Sheen
		9/20/1990	3.99	3.44	-0.19	None
		6/19/1991	3.47	3.96	0.52	NM
		7/23/1991	3.70	3.73	-0.23	NM
		8/26/1991	3.92	3.51	-0.22	NM
		11/18/1991	4.21	3.22	-0.29	NM
		2/3/1992	3.99	3.44	0.22	NM
		6/29/1992	3.38	4.05	0.61	NM
		6/23/1993	2.72	4.71	0.66	NM
		10/11/1993	3.87	3.56	-1.15	NM
		1/4/1994	3.34	4.09	0.53	NM
		5/10/1994	2.14	5.29	1.20	NM
		2/1/1995	1.84	5.59	0.30	NM
		8/2/1995	3.10	4.33	-1.26	NM
		10/16/1995	3.75	3.68	-0.65	NM
		12/28/1995	3.56	3.87	0.19	NM
		6/4/1997	3.16	4.27	0.40	None
		6/3/1998	NM	N/A	N/A	Sheen
		9/30/1999	3.75	3.68	N/A	Sheen
		10/11/2000	3.88	3.55	-0.13	Sheen
		9/3/2002	3.73	3.70	0.15	None
		10/22/2002	5.11	2.32	-1.38	0.05
		12/23/2002	3.51	3.92	1.60	None
		3/28/2003	3.52	3.91	-0.01	None
		6/20/2003	3.50	3.93	0.02	None
		7/14/2003	3.65	3.78	-0.15	None
		8/25/2003	3.87	3.56	-0.22	Sheen
		9/9/2003	4.02	3.41	-0.15	None
		9/25/2003	4.10	3.33	-0.08	None
		10/28/2003	4.29	3.14	-0.19	None
		11/18/2003	4.32	3.11	-0.03	None
		12/2/2003	4.34	3.09	-0.02	None
		1/27/2004	3.88	3.55	0.46	None
		2/24/2004	2.75	4.68	-1.13	None
		3/29/2004	3.45	3.98	0.70	None
		4/19/2004	3.55	3.88	0.10	None
		5/20/2004	3.69	3.74	0.14	None
		6/22/2004	3.81	3.62	0.12	None
		7/27/2004	3.99	3.44	0.18	None
		8/24/2004	4.14	3.29	0.15	None
		9/29/2004	4.32	3.11	0.18	None

Notes:
1. Reference elevation surveyed relative to mean sea level by Geraghty and Miller (Geraghty and Miller, Inc., 1990)
2. Depth to groundwater measured from notch/mark on north edge of well casing
3. Sources: Geraghty and Miller, 1996; BBL
4. NM = Not measured; NC = Not calculated; N/A= Not Available

TABLE 1

HISTORICAL GROUNDWATER ELEVATION SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date Sampled	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Change in Measurement (ft)	Product Thickness (ft)
MW-2	7.15	8/28/1990	4.98	2.17	--	Sheen
		9/20/1990	4.94	2.21	0.04	N/A
		6/19/1991	4.66	2.49	0.28	N/A
		7/23/1991	4.81	2.34	-0.15	N/A
		8/26/1991	4.89	2.26	-0.08	N/A
		11/18/1991	4.93	2.22	-0.04	N/A
		2/3/1992	4.44	2.71	0.49	N/A
		6/29/1992	4.80	2.35	-0.36	N/A
		6/23/1993	4.38	2.77	0.42	N/A
		10/11/1993	5.20	1.95	-0.82	N/A
		1/4/1994	4.56	2.59	0.64	N/A
		5/10/1994	4.20	2.95	0.36	N/A
		2/1/1995	4.00	3.15	0.2	N/A
		8/2/1995	4.71	2.44	-0.71	N/A
		10/16/1995	5.02	2.13	-0.31	N/A
		12/28/1995	4.56	2.59	0.46	N/A
		6/12/1996	NM	N/A	N/A	0.25
		6/4/1997	6.02	1.13	N/A	Small globules
		9/30/1999	4.95	2.20	1.07	Sheen
		10/11/2000	4.97	2.18	-0.02	0.08
		9/3/2002	5.02	2.13	-0.05	0.07
		9/27/2002	4.89	2.26	0.13	0.09
		12/23/2002	4.25	2.90	0.64	0.04
		2/12/2003	4.26	2.89	-0.01	0.01
		3/28/2003	4.35	2.80	-0.09	0.01
		6/20/2003	4.55	2.60	-0.20	0.01
		7/14/2003	4.56	2.59	-0.01	0.00
		8/25/2003	4.79	2.36	-0.23	0.01
		9/9/2003	4.90	2.25	-0.11	0.01
		9/25/2003	4.97	2.18	-0.07	0.01
		10/28/2003	4.98	2.17	-0.01	0.04
		11/18/2003	4.83	2.32	0.15	0.00
		12/3/2003	4.87	2.28	-0.04	0.00
		1/27/2004	7.39	-0.24	-2.52	Sheen
		2/24/2004	4.56	2.59	-2.83	0.01
		3/29/2004	4.24	2.91	-0.32	0.01
		4/19/2004	4.50	2.65	-0.26	0.01
		5/20/2004	4.53	2.62	0.03	None
		6/22/2004	4.65	2.50	0.12	Sheen
		7/27/2004	4.80	2.35	0.15	Sheen
		8/24/2004	5.93	1.22	1.13	None
		9/29/2004	5.00	2.15	-0.93	0.02

Notes:
1. Reference elevation surveyed relative to mean sea level by Geraghty and Miller (Geraghty and Miller, Inc., 1990)
2. Depth to groundwater measured from notch/mark on north edge of well casing
3. Sources: Geraghty and Miller, 1996; BBL
4. NM = Not measured; NC = Not calculated; N/A= Not Available

TABLE 1

HISTORICAL GROUNDWATER ELEVATION SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date Sampled	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Change in Measurement (ft)	Product Thickness (ft)
MW-3	7.42	8/28/1990	3.88	3.54	--	Sheen
		9/20/1990	3.99	3.43	-0.11	N/A
		6/19/1991	3.49	3.93	0.50	N/A
		7/23/1991	3.71	3.71	-0.22	N/A
		8/26/1991	3.94	3.48	-0.23	N/A
		11/18/1991	4.23	3.19	-0.29	N/A
		2/3/1992	4.01	3.41	0.22	N/A
		6/29/1992	3.40	4.02	0.61	N/A
		6/23/1993	2.75	4.67	0.65	N/A
		10/11/1993	3.84	3.58	-1.09	N/A
		1/4/1994	3.40	4.02	0.44	N/A
		5/10/1994	2.25	5.17	1.15	N/A
		2/1/1995	2.43	4.99	-0.18	N/A
		8/2/1995	3.20	4.22	-0.77	N/A
		10/16/1995	3.72	3.70	-0.52	N/A
		12/28/1995	3.56	3.86	0.16	N/A
		6/4/1997	3.20	4.22	0.36	None
		6/3/1998	NM	N/A	N/A	Sheen
		9/30/1999	3.72	3.70	-0.52	Sheen
		10/11/2000	3.88	3.54	-0.16	Sheen
		9/3/2002	3.75	3.67	0.13	0.00
		12/23/2003	3.50	3.92	0.25	0.00
		3/28/2003	3.56	3.86	-0.06	0.00
		6/20/2003	3.52	3.90	0.04	0.00
		7/14/2003	3.65	3.77	-0.13	0.00
		8/25/2003	3.99	3.43	-0.34	0.00
		9/9/2003	3.99	3.43	0.00	0.00
		9/25/2003	4.06	3.36	-0.07	0.00
		10/28/2003	4.15	3.27	-0.09	0.00
		11/18/2003	4.28	3.14	-0.13	0.00
		12/2/2003	4.31	3.11	-0.03	0.00
		1/27/2004	3.85	3.57	0.46	0.00
		2/24/2004	3.70	3.72	0.15	0.00
		3/29/2004	3.47	3.95	0.23	0.00
		4/19/2004	3.55	3.87	-0.08	0.00
		5/20/2004	3.65	3.77	-0.10	None
		6/22/2004	3.83	3.59	0.18	None
		7/27/2004	3.98	3.44	0.15	None
		8/24/2004	4.14	3.28	0.16	None
		9/29/2004	4.30	3.12	0.16	None
OW-1	N/A	6/4/1997	7.22	NA	NA	Trace
		9/30/1999	8.35	NA	NA	0.01
		10/11/2000	6.90	NA	NA	0.09
		10/22/2002	7.34	NA	NA	0.01
		9/27/2002	7.02	NA	NA	0.14
		12/23/2002	5.17	NA	NA	0.03
		1/16/2003	4.97	NA	NA	0.01
		2/12/2003	5.23	NA	NA	0.01
		3/28/2003	5.16	NA	NA	0.01
		6/20/2003	4.93	NA	NA	0.01
		7/14/2003	5.33	NA	NA	0.00
		8/28/2003	5.85	NA	NA	0.00
		9/9/2003	6.33	NA	NA	Sheen
		9/25/2003	6.52	NA	NA	0.01
		10/28/2003	7.26	NA	NA	0.03
		11/18/2003	7.29	NA	NA	0.00
		12/2/2003	7.23	NA	NA	0.03
		1/27/2004	7.96	NA	NA	0.01
		2/24/2004	6.26	NA	NA	0.02
		3/29/2004	6.08	NA	NA	0.02
		4/19/2004	6.29	NA	NA	0.03
		5/20/2004	6.16	NA	NA	None
		6/22/2004	6.37	NA	NA	Sheen
		7/27/2004	5.67	NA	NA	0.04
		8/24/2004	6.81	NA	NA	None
		9/29/2004	7.08	NA	NA	0.04

Notes:
1. Reference elevation surveyed relative to mean sea level by Geraghty and Miller (Geraghty and Miller, Inc., 1990)
2. Depth to groundwater measured from notch/mark on north edge of well casing
3. Sources: Geraghty and Miller, 1996; BBL
4. NM = Not measured; NC = Not calculated; N/A= Not Available

TABLE 2

HISTORICAL GROUNDWATER MONITORING RESULTS SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TPH as gasoline (mg/L)	TPH as diesel (mg/L)	D.O. (mg/L)
MW-1	8/28/1990	**3**	1.4	4	2.4	NA	NA	21	NA
	6/19/1991	**1.7**	0.7	0.5	0.9	NA	NA	7.1	NA
	7/23/1991	**1.6**	1.1	0.5	1.5	NA	0.22	8.7	NA
	8/26/1991	**180**	120	31	160	NA	NA	2.8	NA
	11/18/1991	**1.1**	0.4	0.5	< 0.3	NA	NA	6.6	NA
	2/3/1992	0.9	< 0.3	0.8	0.7	NA	NA	2.2	NA
	6/29/1992	0.8	0.4	0.4	0.9	NA	NA	2.1	NA
	6/23/1993	0.66	< 0.5	0.5	< 0.5	NA	NA	3.2	NA
	10/11/1993	**1.3**	< 0.5	< 0.5	< 0.5	NA	NA	9.6	NA
	1/4/1994	**2.1**	0.65	1.3	2.1	NA	NA	12	NA
	5/10/1994	0.54	0.53	< 0.5	1.1	NA	NA	6.4	NA
	2/1/1995	< 1.0	< 1.0	1	< 1.0	NA	0.51	10	NA
	8/2/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	0.51	8.7	NA
	10/16/1995	**2.8**	< 0.5	< 0.5	< 0.5	NA	0.83	15	NA
	12/28/1995	**2.1**	< 0.5	< 0.5	< 0.5	NA	0.56	15	NA
	6/4/1997	NA	NA	NA	NA	NA	NA	28	0.76
	9/30/1999	< 0.5	0.6	< 0.5	1.8	<3	1.6	28	9.9
	10/11/2000	< 0.5	< 0.5	< 0.5	< 1.0	< 5	0.26	21	0.39
	9/3/2002	<0.5	<0.5	<0.5	0.5	<0.5	1.2	38	NA
	3/28/2003	<5	<5	<5	<10	<5.0	0.25	35	NM
	9/9/2003	<0.5	<0.5	<0.5	<1.0	0.6	0.44	11	NM
	4/19/2004	**3.2**	<2.5	<2.5	<5.0	<2.5	0.280	24.00 ndp	NM
	9/29/2004	<1.0	<1.0	<1.0	<2.0	2.1	1.40 g	150 ndp	NM
MCL	--	1	150	700	1,750	13	--	--	--

Notes:

(µg/L) = are micrograms per liter and mg/L are milligrams per liter.

NA = Not Analyzed; NS = Not Sampled; ND = Not Detected

TPH = Total petroleum hydrocarbons; MTBE = Methyl tertiary butyl ether.

Title 22 of the California Code of Regulations, California Maximum Contaminant Levels (MCLs) for drinking water.

D.O. = Dissolved Oxygen measured in the field.

Results collected between the dates of 8/28/90 and 12/28/95 are based on prior reporting by Geraghty & Miller, Inc. (1996).

Bold values indicate analytical detections above MCL.

The 9/96, 10/96 BBL reports revealed concentrations reported as TPH as diesel did not resemble the diesel chromatogram standard, containing > C-26.

J - Estimated value between MDL and PQL.

ndp - Hydrocarbon reported does not match the pattern of laboratory Diesel standard.

TABLE 2

HISTORICAL GROUNDWATER MONITORING RESULTS SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TPH as gasoline (mg/L)	TPH as diesel (mg/L)	D.O. (mg/L)
MW-2	8/28/1990	0.6	0.4	0.6	0.7	NA	NA	3.5	NA
	6/19/1991	0.5	< 0.3	< 0.3	< 0.3	NA	NA	<0.50	NA
	7/23/1991	0.7	< 0.3	< 0.3	< 0.3	NA	<0.50	0.66	NA
	8/26/1991	0.7	< 0.3	< 0.3	< 0.3	NA	NA	<0.50	NA
	11/18/1991	0.8	< 0.3	< 0.3	< 0.3	NA	NA	3.2	NA
	2/3/1992	0.7	< 0.3	< 0.3	0.5	NA	NA	0.4	NA
	6/29/1992	0.6	< 0.3	< 0.3	< 0.3	NA	NA	0.25	NA
	6/23/1993	0.55	< 0.5	< 0.5	< 0.5	NA	NA	11	NA
	10/11/1993	**1.2**	< 0.5	< 0.5	1.3	NA	NA	1.4	NA
	1/4/1994	0.72	< 0.5	< 0.5	1.1	NA	NA	3.7	NA
	5/10/1994	0.74	< 0.5	< 0.5	0.7	NA	NA	2.3	NA
	2/1/1995	**2.1**	< 1.0	< 1.0	< 1.0	NA	<100	2.1	NA
	8/2/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	0.21	3.6	NA
	10/16/1995	0.73	< 0.5	< 0.5	< 0.5	NA	0.13	1.4	NA
	12/28/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	0.21	2.8	NA
	6/12/1996	NS	NS	NS	NS	NS	NS	--	NS
	6/4/1997	NA	NA	NA	NA	NA	NA	3.3	0.52
	9/30/1999	< 0.5	< 0.5	< 0.5	< 1.0	< 3.0	0.22	6.3	9.5
	10/11/2000	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	0.17	4.4	0.43
	9/27/2002	0.7J	<2.5	<2.5	<2.5	<2.5	17	67	NM
	3/28/2003	<25	<25	<25	<50	<25	1.6	10	NM
	9/25/2003	0.52	<0.50	<0.50	<1.0	<0.50	0.15	12	NM
	3/29/2004	0.51	<0.50	<0.50	<1.0	<0.50	0.084 g	7.80 ndp	NM
	9/29/2004	<0.50	<0.50	<0.50	<1.0	<0.50	0.63 g	10.00 ndp	NM
MCL	--	1	150	700	1,750	13	--	--	--

Notes:

(µg/L) = are micrograms per liter and mg/L are milligrams per liter.

NA = Not Analyzed; NS = Not Sampled; ND = Not Detected

TPH = Total petroleum hydrocarbons; MTBE = Methyl tertiary butyl ether.

Title 22 of the California Code of Regulations, California Maximum Contaminant Levels (MCLs) for drinking water.

D.O. = Dissolved Oxygen measured in the field.

Results collected between the dates of 8/28/90 and 12/28/95 are based on prior reporting by Geraghty & Miller, Inc. (1996).

Bold values indicate analytical detections above MCL.

The 9/96, 10/96 BBL reports revealed concentrations reported as TPH as diesel did not resemble the diesel chromatogram standard, containing > C-26.

J - Estimated value between MDL and PQL.

g - Hydrocarbon reported in the gasoline range does not match laboratory gasoline standard.

ndp - Hydrocarbon reported does not match the pattern of laboratory Diesel standard.

TABLE 2

HISTORICAL GROUNDWATER MONITORING RESULTS SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TPH as gasoline (mg/L)	TPH as diesel (mg/L)	D.O. (mg/L)
MW-3	8/28/1990	0.5	0.8	4.3	2.3	NA	NA	18	NA
	6/19/1991	0.4	0.4	1.7	1.4	NA	NA	1.3	NA
	7/23/1991	0.3	< 0.3	1.5	0.5	NA	0.33	6.8	NA
	8/26/1991	**13**	13	5.8	26	NA	NA	<0.05	NA
	11/18/1991	0.6	< 0.3	< 0.3	< 0.3	NA	NA	2.5	NA
	2/3/1992	0.4	< 0.3	1.3	0.6	NA	NA	1.1	NA
	6/29/1992	< 0.3	< 0.3	1.3	0.3	NA	NA	3.2	NA
	6/23/1993	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	8.1	NA
	10/11/1993	**1**	< 0.5	1.5	2.4	NA	NA	7.1	NA
	1/4/1994	< 0.5	< 0.5	1.6	< 0.5	NA	NA	7.4	NA
	5/10/1994	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	5.7	NA
	2/1/1995	< 1.0	< 1.0	2.7	4.1	NA	0.81	10	NA
	8/2/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	1.2	6.5	NA
	10/16/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	0.93	9.8	NA
	12/28/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	0.69	11	NA
	6/4/1997	NA	NA	NA	NA	NA	NA	34	0.84
	9/30/1999	< 0.5	0.6	0.7	1.2	< 3.0	1.3	8.7	8.6
	10/11/2000	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	0.43	20	0.51
	9/3/2002	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	**14**	NA
	3/28/2003	<25	<25	<25	<50	<25	2.5	19	NM
	9/9/2003	<0.5	<0.5	<0.5	<1.0	<0.5	0.7	73	NM
	4/19/2004	<0.50	<0.50	<0.50	<1.0	<0.50	0.099	14.00 ndp	NM
	9/29/2004	<2.5	<2.5	<2.5	<5.0	<2.5	0.39 g	10.00 ndp	NM
OW-1	6/23/1993	< 0.5	< 0.5	< 0.5	31.0	NA	NA	3,400	NA
	6/4/1997	NS	NS	NS	NS	NS	NS	NS	NS
	9/30/1999	< 2.0	< 2.0	< 2.0	4.2	< 12.0	8.3	2,800	9.7
	9/30/1999	< 1.0	< 1.0	1.9	8.9	< 6.0	2.9	340	--
	10/11/2000	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	2.1	58	0.74
	9/27/2002	0.6J	<2.5	<2.5	<2.5	<2.5	17	23	NA
	3/28/2003	<50	<50	<50	<100	<50	0.82	81	NM
	9/25/2003	<50	**530**	500	**6,200**	<50	0.22	91	NM
	3/29/2004	<0.50	<0.50	<0.50	<1.0	<0.50	0.510	280 ndp	NM
	9/29/2004	<2.5	<2.5	<2.5	<5.0	<2.5	2.80 g	440 ndp	
MCL	--	1	150	700	1,750	13	--	--	--

Notes:

(µg/L) = are micrograms per liter and mg/L are milligrams per liter.

NA = Not Analyzed; NS = Not Sampled; ND = Not Detected

TPH = Total petroleum hydrocarbons; MTBE = Methyl tertiary butyl ether.

Title 22 of the California Code of Regulations, California Maximum Contaminant Levels (MCLs) for drinking water.

D.O. = Dissolved Oxygen measured in the field.

Results collected between the dates of 8/28/90 and 12/28/95 are based on prior reporting by Geraghty & Miller, Inc. (1996).

Bold values indicate analytical detections.

The 9/96, 10/96 BBL reports revealed concentrations reported as TPH as diesel did not resemble the diesel chromatogram standard, containing > C-26.

J - Estimated value between MDL and PQL.

ndp - Hydrocarbon reported does not match the pattern of laboratory Diesel standard.

APPENDIX A

Standard Field Procedures for Groundwater Monitoring UPS-Oakland Center

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

STANDARD FIELD PROCEDURES FOR GROUNDWATER MONITORING AND WELL SAMPLING

Standard field procedures for groundwater sampling at UPS are as follows during the monitoring events.

Groundwater Sampling Procedure

Prior to the collection of groundwater samples at the subject property, each well is sounded to determine depth to water and total well depth using an electronic Interface Probe. From this data, the wetted casing volume is calculated for each monitoring well. The electric sounder is cleaned in a solution of Liquinox (or equivalent) and water, and triple-rinsed with de-ionized water before and after measuring each well.

The wells are purged a minimum of three wetted casing volumes prior to sampling utilizing a new disposable bailer or an electric submersible pump. Purged water from the casing and gravel/sand pack is contained in labeled, sealed, DOT-approved 55-gallon drums. This purge water is stored on-site in a designated hazardous waste storage area until proper disposal can be determined based on groundwater sampling laboratory results.

Dedicated latex or nitrile surgical gloves and string are used when sampling each well. A new disposable bailer is used to sample each well to avoid the potential for cross-contamination. Upon collection, the groundwater samples are transferred from the sampling bailer to clean, laboratory-provided, sample containers. The sample containers are filled, labeled and sealed with teflon-lined screw lids and septa. The sample containers are double-bagged in self-locking plastic bags to prevent cross-contamination, placed on ice to prevent possible volatilization, and transported to a California state certified laboratory. Transportation of the samples follows industry standard chain-of-custody protocol. In addition, a duplicate sample is collected from one of the monitoring wells. The duplicate sample and the laboratory-supplied trip blank are also transported in the iced cooler with the other collected groundwater samples.

Decontamination Procedures

The non-disposable field drilling and sampling equipment is cleaned prior and after use. Field equipment is cleaned with a solution of Liquinox (or equivalent) and water. Prior to each use all field equipment is subsequently, triple rinsed with the final being de-ionized water. The purge water and decontamination water is collected in 55-gallon DOT approved drums and temporarily stored on-site pending laboratory analysis.

APPENDIX B

Well Gauging Data
UPS-Oakland Center

BBL®
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engineers, scientists, economists

SPH or Purge Water Drum Log

Client: BB&L

Site Address: 8400 Pardee Dr., Oakland

STATUS OF DRUM(S) UPON ARRIVAL

Date	8/24/04	9/29/04				
Number of drum(s) empty:						
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:	1	1				
Number of drum(s) full:						
Total drum(s) on site:						
Are the drum(s) properly labeled?	NO	yes				
Drum ID & Contents:	SPH & H_2O →					
If any drum(s) are partially or totally filled, what is the first use date:	8/24/04	8/24/04				

If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.

-If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.

All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON DEPARTURE

Date	8/24/04	9/29/04				
Number of drums empty:						
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:	1	1				
Number of drum(s) full:		1				
Total drum(s) on site:		2				
Are the drum(s) properly labeled?	Y	Y				
Drum ID & Contents:	SPH & H_2O	→				

LOCATION OF DRUM(S)

Describe location of drum(s): Eastside of Building behind trailer - near other drums

FINAL STATUS

Number of new drum(s) left on site this event	Ø	1				
Date of inspection:	8/24/04	9/29/04				
Drum(s) labelled properly:	Y	Y				
Logged by BTS Field Tech:	RC	DJ				
Office reviewed by:	N/	N/				

WELLHEAD INSPECTION CHECKLIST

Date 9-29-04 Client BB+L

Site Address 8400 Baxter Dr. Oakland

Job Number 040929-DW-2 Technician Dave W

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-1	X							
MW-2	X							
MW-3	X							
DW-1								

NOTES:

WELL GAUGING DATA

Project # 040929-DW-2 Date 9-29-04 Client BBK

Site 8400 Pardee Dr. Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	4					4.37	14.30		
MW-2	4		4.98	.02	50	5.00	14.40		
MW-3	4					4.30	14.55		
OW-1	5		7.04	.04	153	7.08	18.40		

WELL MONITORING DATA SHEET

Project #: 040929-OW-2	Client: BB&L
Sampler: DW	Date: 9-29-04
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.30	Depth to Water (DTW): 4.32
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.31	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

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

6.5 (Gals.) X 3 = 19.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F or °C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
10:47	73.7	6.6	1660	550	6.5	odor/sheen
10:49	76.1	6.5	1596	97	13	"
10:51	77.5	6.5	1508	368	19.5	"
	used	NP	Voa's			

Did well dewater? Yes (No) Gallons actually evacuated: 19.5

Sampling Date: 9-29-04 Sampling Time: 10:55 Depth to Water: 4.35

Sample I.D.: MW-1 Laboratory: Kiff CalScience Other STL-SF

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Oxygenates (5) Other:

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

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

WELL MONITORING DATA SHEET

Project #: 040929-DW-2	Client: BB&L
Sampler: DW	Date: 9-29-04
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.40	Depth to Water (DTW): 5.00
Depth to Free Product: 4.98	Thickness of Free Product (feet): .02
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.88	

Purge Method: Bailer; X Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

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

1 Case Volume	(Gals.) X	Specified Volumes	=	Calculated Volume	Gals.
6.1		3		18.3	

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
11:11	Bailed		50 ml SPH from well			
11:30	no parameters taken				6.1	
11:35	well dewatered @ 9 gl.					
12:55	no parameters taken				—	
	used NP VOA's					

Did well dewater? (Yes) No Gallons actually evacuated: 9

Sampling Date: 9-29-04 Sampling Time: 12:55 Depth to Water: 6.25

Sample I.D.: MW-2 Laboratory: Kiff CalScience Other STL - SF

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Oxygenates (5) Other:

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

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

WELL MONITORING DATA SHEET

Project #: 040929-DW-2	Client: BB+L
Sampler: DW	Date: 9-29-04
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.55	Depth to Water (DTW): 4.30
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.35	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

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

6.7 (Gals.) X 3 = 20.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
10:37	74.5	6.8	1718	429	6.7	odor
well dewatered @ 10 gl.						
12:45	71.0	6.5	1484	94	—	
	used	NP	VOA's			

Did well dewater? (Yes) No Gallons actually evacuated: 10

Sampling Date: 9-29-04 Sampling Time: 12:45 Depth to Water: 4.30

Sample I.D.: MW-3 Laboratory: Kiff CalScience Other_____

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Oxygenates (5) Other:

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

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

WELL MONITORING DATA SHEET

Project #: 040929-DW-2	Client: BP&L
Sampler: DW	Date: 9-29-04
Well I.D.: DW-1	Well Diameter: 2 3 4 6 8 (5)
Total Well Depth (TD): 18.40	Depth to Water (DTW): 7.08
Depth to Free Product: 7.04	Thickness of Free Product (feet): .04
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.34	

Purge Method: Bailer / X Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other

Sampling Method: Bailer / X Disposable Bailer / Extraction Port / Dedicated Tubing / Other:

11.4 (Gals.) X	3	=	34.2 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
11:43 Bailed	153	mi	SPH from well		~~11.4~~	
12:00	no parameters taken				11.4	
12:15	"		" "		22.8	
12:30	"		" "		34.2	
	used	NP	VOA's			

Did well dewater? Yes (No) Gallons actually evacuated: 34.2

Sampling Date: 9-29-04 Sampling Time: 12:35 Depth to Water: 8.56

Sample I.D.: DW-1 Laboratory: Kiff CalScience Other STL-SF

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Oxygenates (5) Other:

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

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

APPENDIX C

Laboratory Analytical Results
UPS-Oakland Center

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BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

SEVERN TRENT STL

Submission#: 2004-10-0005

Blasland, Bouck & Lee, Inc.

October 08, 2004

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144

Attn.: Hugh B. Devery

Project#: 040929-DW-2
Project: UPS
Site: 8400 Pardee Drive, Oakland, CA

Dear Mr. Devery:

Attached is our report for your samples received on 09/30/2004 19:18
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/14/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission: 2004-10-0005

Fuel Oxygenates by 8260B

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: 040929-DW-2
UPS

Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	09/29/2004 10:55	Water	1
MW-2	09/29/2004 12:55	Water	2
MW-3	09/29/2004 12:45	Water	3
OW-1	09/29/2004 12:35	Water	4

Fuel Oxygenates by 8260B

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Phone: (770) 428-9009 Fax: (770) 428-4004

Project: 040929-DW-2
UPS

Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Prep(s): 5030B **Test(s):** 8260B
Sample ID: MW-1 **Lab ID:** 2004-10-0005 - 1
Sampled: 09/29/2004 10:55 **Extracted:** 10/6/2004 01:28
Matrix: Water **QC Batch#:** 2004/10/05-01.62
Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1400	100	ug/L	2.00	10/06/2004 01:28	g
Methyl tert-butyl ether (MTBE)	2.1	1.0	ug/L	2.00	10/06/2004 01:28	
Benzene	ND	1.0	ug/L	2.00	10/06/2004 01:28	
Toluene	ND	1.0	ug/L	2.00	10/06/2004 01:28	
Ethylbenzene	ND	1.0	ug/L	2.00	10/06/2004 01:28	
Total xylenes	ND	2.0	ug/L	2.00	10/06/2004 01:28	
Surrogate(s)						
1,2-Dichloroethane-d4	87.2	72-128	%	2.00	10/06/2004 01:28	
Toluene-d8	100.4	80-113	%	2.00	10/06/2004 01:28	

Fuel Oxygenates by 8260B

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UPS

Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Prep(s): 5030B **Test(s):** 8260B
Sample ID: MW-2 **Lab ID:** 2004-10-0005 - 2
Sampled: 09/29/2004 12:55 **Extracted:** 10/6/2004 12:14
Matrix: Water **QC Batch#:** 2004/10/06-01.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	630	50	ug/L	1.00	10/06/2004 12:14	g
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/06/2004 12:14	
Benzene	ND	0.50	ug/L	1.00	10/06/2004 12:14	
Toluene	ND	0.50	ug/L	1.00	10/06/2004 12:14	
Ethylbenzene	ND	0.50	ug/L	1.00	10/06/2004 12:14	
Total xylenes	ND	1.0	ug/L	1.00	10/06/2004 12:14	
Surrogate(s)						
1,2-Dichloroethane-d4	95.1	72-128	%	1.00	10/06/2004 12:14	
Toluene-d8	95.6	80-113	%	1.00	10/06/2004 12:14	

Fuel Oxygenates by 8260B

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Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Prep(s): 5030B
Sample ID: **MW-3**
Sampled: 09/29/2004 12:45
Matrix: Water

Test(s): 8260B
Lab ID: 2004-10-0005 - 3
Extracted: 10/6/2004 08:28
QC Batch#: 2004/10/06-01.64

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	390	250	ug/L	5.00	10/06/2004 08:28	g
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	10/06/2004 08:28	
Benzene	ND	2.5	ug/L	5.00	10/06/2004 08:28	
Toluene	ND	2.5	ug/L	5.00	10/06/2004 08:28	
Ethylbenzene	ND	2.5	ug/L	5.00	10/06/2004 08:28	
Total xylenes	ND	5.0	ug/L	5.00	10/06/2004 08:28	
Surrogate(s)						
1,2-Dichloroethane-d4	106.1	72-128	%	5.00	10/06/2004 08:28	
Toluene-d8	102.2	80-113	%	5.00	10/06/2004 08:28	

Fuel Oxygenates by 8260B

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Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Prep(s): 5030B **Test(s):** 8260B
Sample ID: OW-1 **Lab ID:** 2004-10-0005 - 4
Sampled: 09/29/2004 12:35 **Extracted:** 10/6/2004 08:50
Matrix: Water **QC Batch#:** 2004/10/06-01.64
Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2800	250	ug/L	5.00	10/06/2004 08:50	g
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	10/06/2004 08:50	
Benzene	ND	2.5	ug/L	5.00	10/06/2004 08:50	
Toluene	ND	2.5	ug/L	5.00	10/06/2004 08:50	
Ethylbenzene	ND	2.5	ug/L	5.00	10/06/2004 08:50	
Total xylenes	ND	5.0	ug/L	5.00	10/06/2004 08:50	
Surrogate(s)						
1,2-Dichloroethane-d4	109.9	72-128	%	5.00	10/06/2004 08:50	
Toluene-d8	100.0	80-113	%	5.00	10/06/2004 08:50	

Fuel Oxygenates by 8260B

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Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/10/05-01.62**

MB: 2004/10/05-01.62-048 — Date Extracted: 10/05/2004 17:48

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/05/2004 17:48	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/05/2004 17:48	
Benzene	ND	0.5	ug/L	10/05/2004 17:48	
Toluene	ND	0.5	ug/L	10/05/2004 17:48	
Ethylbenzene	ND	0.5	ug/L	10/05/2004 17:48	
Total xylenes	ND	1.0	ug/L	10/05/2004 17:48	
Surrogates(s)					
1,2-Dichloroethane-d4	97.6	72-128	%	10/05/2004 17:48	
Toluene-d8	106.4	80-113	%	10/05/2004 17:48	

Fuel Oxygenates by 8260B

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Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2004/10/06-01.64-056

Water

Test(s): 8260B
QC Batch # 2004/10/06-01.64
Date Extracted: 10/06/2004 07:56

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/06/2004 07:56	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/06/2004 07:56	
Benzene	ND	0.5	ug/L	10/06/2004 07:56	
Toluene	ND	0.5	ug/L	10/06/2004 07:56	
Ethylbenzene	ND	0.5	ug/L	10/06/2004 07:56	
Total xylenes	ND	1.0	ug/L	10/06/2004 07:56	
Surrogates(s)					
1,2-Dichloroethane-d4	98.2	72-128	%	10/06/2004 07:56	
Toluene-d8	98.0	80-113	%	10/06/2004 07:56	

Fuel Oxygenates by 8260B

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Site: 8400 Pardee Drive, Oakland, CA

Batch QC Report

Prep(s): 5030B **Test(s): 8260B**

Method Blank **Water** **QC Batch # 2004/10/06-01.68**

MB: 2004/10/06-01.68-004 **Date Extracted: 10/06/2004 08:04**

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/06/2004 08:04	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/06/2004 08:04	
Benzene	ND	0.5	ug/L	10/06/2004 08:04	
Toluene	ND	0.5	ug/L	10/06/2004 08:04	
Ethylbenzene	ND	0.5	ug/L	10/06/2004 08:04	
Total xylenes	ND	1.0	ug/L	10/06/2004 08:04	
Surrogates(s)					
1,2-Dichloroethane-d4	94.2	72-128	%	10/06/2004 08:04	
Toluene-d8	90.8	80-113	%	10/06/2004 08:04	

Fuel Oxygenates by 8260B

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UPS

Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Batch QC Report

Prep(s): 5030B **Test(s): 8260B**

Laboratory Control Spike **Water** **QC Batch # 2004/10/05-01.62**

LCS 2004/10/05-01.62-035 Extracted: 10/05/2004 Analyzed: 10/05/2004 15:35
LCSD 2004/10/05-01.62-058 Extracted: 10/05/2004 Analyzed: 10/05/2004 15:58

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	21.2	22.3	25.0	84.8	89.2	5.1	65-165	20		
Benzene	22.2	22.9	25.0	88.8	91.6	3.1	69-129	20		
Toluene	23.8	25.2	25.0	95.2	100.8	5.7	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	381	400	500	76.2	80.0		72-128			
Toluene-d8	444	492	500	88.8	98.4		80-113			

Fuel Oxygenates by 8260B

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UPS

Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/10/06-01.64**

LCS 2004/10/06-01.64-012 Extracted: 10/06/2004 Analyzed: 10/06/2004 07:12
LCSD 2004/10/06-01.64-034 Extracted: 10/06/2004 Analyzed: 10/06/2004 07:34

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	28.9	28.2	25.0	115.6	112.8	2.5	65-165	20		
Benzene	27.3	26.7	25.0	109.2	106.8	2.2	69-129	20		
Toluene	28.6	28.3	25.0	114.4	113.2	1.1	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	463	459	500	92.6	91.8		72-128			
Toluene-d8	503	511	500	100.6	102.2		80-113			

Fuel Oxygenates by 8260B

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Project: 040929-DW-2
UPS

Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Batch QC Report

Prep(s): 5030B **Test(s): 8260B**

Laboratory Control Spike **Water** **QC Batch # 2004/10/06-01.68**

LCS 2004/10/06-01.68-048 Extracted: 10/06/2004 Analyzed: 10/06/2004 08:48
LCSD 2004/10/06-01.68-045 Extracted: 10/06/2004 Analyzed: 10/06/2004 07:45

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.2	23.9	25.0	96.8	95.6	1.2	65-165	20		
Benzene	23.9	26.2	25.0	95.6	104.8	9.2	69-129	20		
Toluene	23.0	25.4	25.0	92.0	101.6	9.9	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	434	444	500	86.8	88.8		72-128			
Toluene-d8	483	505	500	96.6	101.0		80-113			

Fuel Oxygenates by 8260B

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UPS

Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Legend and Notes

Analysis Flag

o

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

SEVERN TRENT STL

Submission: 2004-10-0005

Diesel

Blasland, Bouck & Lee, Inc.
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Project: 040929-DW-2
UPS

Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	09/29/2004 10:55	Water	1
MW-2	09/29/2004 12:55	Water	2
MW-3	09/29/2004 12:45	Water	3
OW-1	09/29/2004 12:35	Water	4

Diesel

Blasland, Bouck & Lee, Inc.
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Project: 040929-DW-2
UPS

Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Prep(s): 3510/8015M
Sample ID: MW-1
Sampled: 09/29/2004 10:55
Matrix: Water

Test(s): 8015M
Lab ID: 2004-10-0005 - 1
Extracted: 10/5/2004 12:30
QC Batch#: 2004/10/05-07.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	15000	500	ug/L	10.00	10/07/2004 11:19	ndp
Surrogate(s)						
o-Terphenyl	NA	60-130	%	10.00	10/07/2004 11:19	sd

Diesel

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Project: 040929-DW-2
UPS

Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Prep(s): 3510/8015M
Sample ID: MW-2
Sampled: 09/29/2004 12:55
Matrix: Water

Test(s): 8015M
Lab ID: 2004-10-0005 - 2
Extracted: 10/5/2004 12:30
QC Batch#: 2004/10/05-07.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	10000	50	ug/L	1.00	10/06/2004 17:04	ndp
Surrogate(s)						
o-Terphenyl	66.0	60-130	%	1.00	10/06/2004 17:04	

Diesel

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UPS

Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Prep(s): 3510/8015M **Test(s):** 8015M
Sample ID: MW-3 **Lab ID:** 2004-10-0005 - 3
Sampled: 09/29/2004 12:45 **Extracted:** 10/5/2004 12:30
Matrix: Water **QC Batch#:** 2004/10/05-07.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	10000	250	ug/L	5.00	10/07/2004 12:16	ndp
Surrogate(s)						
o-Terphenyl	NA	60-130	%	5.00	10/07/2004 12:16	sd

Diesel

Blasland, Bouck & Lee, Inc.
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Project: 040929-DW-2
UPS

Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Prep(s): 3510/8015M
Sample ID: OW-1
Sampled: 09/29/2004 12:35
Matrix: Water

Test(s): 8015M
Lab ID: 2004-10-0005 - 4
Extracted: 10/5/2004 12:30
QC Batch#: 2004/10/05-07.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	440000	10000	ug/L	200.00	10/07/2004 09:56	ndp
Surrogate(s)						
o-Terphenyl	NA	60-130	%	200.00	10/07/2004 09:56	sd

Diesel

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Project: 040929-DW-2
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Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Batch QC Report

Prep(s): 3510/8015M **Test(s): 8015M**

Method Blank **Water** **QC Batch # 2004/10/05-07.10**

MB: 2004/10/05-07.10-001 Date Extracted: 10/05/2004 12:30

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	10/06/2004 01:08	
Surrogates(s)					
o-Terphenyl	65.1	60-130	%	10/06/2004 01:08	

Diesel

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Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Batch QC Report

Prep(s): 3510/8015M **Test(s): 8015M**

Laboratory Control Spike **Water** **QC Batch # 2004/10/05-07.10**

LCS 2004/10/05-07.10-002 Extracted: 10/05/2004 Analyzed: 10/06/2004 02:29
LCSD 2004/10/05-07.10-003 Extracted: 10/05/2004 Analyzed: 10/06/2004 13:04

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	659	601	1000	65.9	60.1	9.2	60-130	25		
Surrogates(s)										
o-Terphenyl	14.3	13.8	20.0	71.3	69.0		60-130	0		

Diesel

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UPS

Received: 09/30/2004 19:18

Site: 8400 Pardee Drive, Oakland, CA

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

sd

Surrogate recovery not reportable due to required dilution.

2004-10-0005

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 040929-DW-2

CLIENT: Blasland, Bouck, & Lee, Inc.

SITE: UPS
8400 Pardee Drive
Oakland, CA

LAB: STL 89355 | DHS #

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

SPECIAL INSTRUCTIONS

Invoice and Report to : Blasland, Bouck,& Lee, Inc.
Attn: Hugh Devery
707-428-9009

Low Detection levels requested

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: TPH-Gro, BTEX, MTBE (8260)	TPH-D (8015)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-1	9-29	10:55	W	4	3 NP Vons 1 NP Amber		X	X				
MW-2	↓	12:55	↓	↓	↓		X	X				
MW-3		12:45					X	X				
DW-1		12:35					X	X				

SAMPLING COMPLETED: DATE 9-29-04 TIME 15:00
SAMPLING PERFORMED BY: Dave Walter

RESULTS NEEDED NO LATER THAN: As contracted

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
David C. Walter	9-30-04	1800			
	9/30/04	1915		9/30/04	19:18

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	
				Temp 4°C