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August 29, 1995
Project No. RC0027.011

Mr. Dan Lee
United Parcel Service, Inc
8400 Pardee Drive
Oakland, California 94621

DL

SUBJECT: Results of Groundwater Monitoring, August 2, 1995, United Parcel Service, Inc. Facility, 8400 Pardee Drive, Oakland, California.

Dear Mr. Lee:

This letter report presents the results of the groundwater monitoring and sampling performed on August 2, 1995, at the United Parcel Service, Inc. (UPS) facility referenced above (Figure 1). The scope of work for this project was contained in a previous Geraghty & Miller, Inc. (Geraghty & Miller) document to UPS dated November 9, 1994, and modified at the request of UPS in a Geraghty & Miller letter dated November 21, 1994.

GROUNDWATER SAMPLING PROCEDURES

Groundwater samples were collected from Monitoring Wells MW-1, MW-2, MW-3, and MW-7 on August 2, 1995 (Figure 2). Prior to sampling, depth to water was measured, and each well was checked for the presence of liquid-phase hydrocarbons (LPH). LPH were not observed in any of the monitor wells.

Prior to sampling, each well was purged using a 1-inch diaphragm pump with a new length of polyethylene tubing for each well. Approximately four casing volumes of groundwater were purged from each well or the well was purged dry due to slow recovery. A summary of the field sampling parameters is presented in Table 1. The purged water was placed in 55-gallon drums and stored onsite for proper handling and disposal by UPS.

Following purging, groundwater samples were collected from the wells using a new disposable polyethylene bailer for each well. The groundwater samples were placed into the appropriate U.S. Environmental Protection Agency (USEPA) approved containers, placed on ice, and transported to Sequoia Analytical, Walnut Creek, California, along with appropriate



chain-of-custody documentation. All groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) by USEPA Method 8015, modified, total petroleum hydrocarbons as diesel (TPH-D) by USEPA Method 8015, modified, and benzene, toluene, ethylbenzene, and total xylenes (BTEX) by USEPA Method 8020. In addition, the sample collected from Monitor Well MW-7 was also analyzed for total oil and grease (USEPA Method 5520F). Copies of the chain-of-custody document and laboratory reports are attached. A trip blank was also submitted to the laboratory for analysis for quality control purposes. The trip blank was analyzed for TPH-G (USEPA Method 8015, modified) and BTEX (USEPA Method 8020).

RESULTS

Depth-to-water measurements and groundwater elevations for Monitor Wells MW-1 through MW-5 and MW-7 are presented in Table 2. Monitor Well MW-6 was covered and no depth-to-water measurement was taken. Based on the groundwater elevations, the direction of shallow groundwater flow in the vicinity of the southern fueling facilities remains generally toward the south-southwest (Figure 2).

The results of groundwater analyses for the August 2, 1995 sampling event are summarized in Table 3. TPH-D was detected at concentrations ranging from 3,600 micrograms per liter ($\mu\text{g/L}$) to 8,700 $\mu\text{g/L}$ (MW-2 and MW-1, respectively) in the southeastern portion of the site and at 360 $\mu\text{g/L}$ (MW-7) in the northeastern portion of the site. TPH-G was detected at concentrations ranging from 210 $\mu\text{g/L}$ to 1,200 $\mu\text{g/L}$ (MW-2 and MW-3, respectively) in the southeastern portion of the site and was not detected in the samples collected from the northeastern portion of the site. BTEX and total oil and grease were not detected in any of the samples collected.




Geraghty & Miller appreciates the opportunity to be of service to UPS. If you have any questions regarding this letter report, please do not hesitate to call.

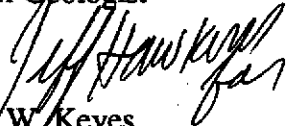
Sincerely,
GERAGHTY & MILLER, INC.



Edward H. Crump
Engineer/Project Manager



Jeffrey W. Hawkins, R.G.
Senior Geologist



Gary W. Keyes
Principal Engineer/Associate
Richmond, California Officer Manager

Attachments:	Table 1	Summary of Field Sampling Data
	Table 2	Depth-to-Water and Groundwater Elevations
	Table 3	Groundwater Analytical Results
	Figure 1	Site Location Map
	Figure 2	Groundwater Elevation Map (August 1995)
	Attachment 1	Copies of Certified Laboratory Analytical Results and Chain-of-Custody Documentation

cc: Mr. Barney Chan
Alameda County Health Department, Hazardous Materials Division
80 Swan Way, Room 200
Oakland, California 94621



Table 1: Summary of Field Sampling Data
 United Parcel Service, Inc.
 8400 Pardee Drive, Oakland, California.

Well	Date	Calculated Purge Volume (a) (Gallons)	Actual Purge Volume (Gallons)	FIELD PARAMETERS			Depth to Water (b) (Feet)	Well Depth (b) (Feet)	Casing Diameter (inches)
				pH	SC (µS/cm)	Temperature (°F)			
MW-1	2-Aug-95	29.00	30.0	7.0	2,440	77	3.10	14.33	4
MW-2	2-Aug-95	25.20	10 (c)	7.0	4,390	76	4.71	14.40	4
MW-3	2-Aug-95	29.60	15 (c)	7.0	2,620	74	3.20	14.61	4
MW-4	2-Aug-95	NM	NM	NM	NM	NM	4.24	14.65	4
MW-5	2-Aug-95	NM	NM	NM	NM	NM	2.92	14.42	4
MW-6	2-Aug-95	NM	NM	NM	NM	NM	NM	NM	6
MW-7	2-Aug-95	6.33	6.0 (c)	7.0	1,070	78	NM	16.56	2

- (a) Based on four casing volumes.
- (b) Measured from top of PVC casing.
- (c) Well went dry prior to purging four casing volumes.

NM Not Measured
 SC Specific Conductance
 OR Out of Range
 µS/cm microSiemens per centimeter



Table 2: Depth-to-Water and Groundwater Elevations
 United Parcel Service, Inc.
 8400 Pardee Drive, Oakland, California.

Well	Date	Depth to Water (a) (feet)	Top of Casing Elevation (feet MSL)	Top of Water Elevation (feet MSL)	Measured Depth of Well (a) (feet)
MW-1	28-Aug-90	3.80	7.43	3.63	14.05
	20-Sep-90	3.99		NM	
	19-Jun-91	3.47		NM	
	23-Jul-91	3.70		NM	
	26-Aug-91	3.92		NM	
	18-Nov-91	4.21		NM	
	3-Feb-92	3.99		NM	
	29-Jun-92	3.38		NM	
	23-Jun-93	2.72		4.71	14.20
	11-Oct-93	3.87		3.56	14.27
	4-Jan-94	3.34		4.09	14.10
	10-May-94	2.14		5.29	NM
	1-Feb-95	1.84		5.59	14.33
	2-Aug-95	3.10		4.33	14.33
	MW-2	28-Aug-90		4.98	7.15
20-Sep-90		4.94	2.21	NM	
19-Jun-91		4.66	2.49	NM	
23-Jul-91		4.81	2.34	NM	
26-Aug-91		4.89	2.26	NM	
18-Nov-91		4.93	2.22	NM	
3-Feb-92		4.44	2.71	NM	
29-Jun-92		4.80	2.35	NM	
23-Jun-93		4.38	2.77	14.35	
11-Oct-93		5.20	1.95	14.35	
4-Jan-94		4.56	2.59	14.15	
10-May-94		4.22	2.93	NM	
1-Feb-95		4.00	3.15	14.40	
2-Aug-95		4.71	2.44	14.40	
MW-3		28-Aug-90	3.88	7.42	
	20-Sep-90	3.99	3.43		NM
	19-Jun-91	3.49	3.93		NM
	23-Jul-91	3.71	3.71		NM
	26-Aug-91	3.94	3.48		NM
	18-Nov-91	4.23	3.19		NM
	3-Feb-92	4.01	3.41		NM
	29-Jun-92	3.40	4.02		NM
	23-Jun-93	2.75	4.67		14.50
	11-Oct-93	3.84	3.58		14.45
	4-Jan-94	3.40	4.02		14.33



Table 2: Depth-to-Water and Groundwater Elevations
 United Parcel Service, Inc.
 8400 Pardee Drive, Oakland, California.

Well	Date	Depth to Water (a) (feet)	Top of Casing Elevation (feet MSL)	Top of Water Elevation (feet MSL)	Measured Depth of Well (a) (feet)
	10-May-94	2.25		5.17	NM
	1-Feb-95	2.43		4.99	14.61
	2-Aug-95	3.20		4.22	14.61
MW-4	28-Aug-90	3.15	5.71	2.56	14.66
	20-Sep-90	3.19		2.52	NM
	19-Jun-91	2.73		2.98	NM
	23-Jul-91	3.07		2.64	NM
	26-Aug-91	4.32		1.39	NM
	18-Nov-91	4.03		1.68	NM
	3-Feb-92	3.86		1.85	NM
	29-Jun-92	2.94		2.77	NM
	23-Jun-93	2.49		3.22	14.54
	11-Oct-93	4.08		1.63	14.45
	4-Jan-94	3.49		2.22	14.37
	10-May-94	2.73		2.98	NM
	1-Feb-95	2.58		3.13	14.65
	2-Aug-95	4.24		1.47	NM
MW-5	28-Aug-90	7.46	4.93	-2.53	14.77
	20-Sep-90	3.99		0.94	NM
	19-Jun-91	3.63		1.30	NM
	23-Jul-91	4.37		0.56	NM
	26-Aug-91	4.19		0.74	NM
	18-Nov-91	4.25		0.68	NM
	3-Feb-92	3.53		1.40	NM
	29-Jun-92	3.48		1.45	NM
	23-Jun-93	3.40		1.53	14.29
	11-Oct-93	3.66		1.27	14.40
	4-Jan-94	3.72		1.21	14.19
	10-May-94	4.44		0.49	NM
	1-Feb-95	3.87		1.06	14.42
	2-Aug-95	2.92		2.01	NM
MW-6	28-Aug-90	7.76	6.27	-1.49	18.10
	20-Sep-90	7.18		-0.91	NM
	19-Jun-91	7.71		-1.44	NM
	23-Jul-91	7.90		-1.63	NM
	26-Aug-91	7.71		-1.44	NM
	18-Nov-91	6.99		-0.72	NM
	3-Feb-92	7.19		-0.92	NM
	29-Jun-92	7.92		-1.65	NM



Table 2: Depth-to-Water and Groundwater Elevations
 United Parcel Service, Inc.
 8400 Pardee Drive, Oakland, California.

Well	Date	Depth to Water (a) (feet)	Top of Casing Elevation (feet MSL)	Top of Water Elevation (feet MSL)	Measured Depth of Well (a) (feet)
	23-Jun-93	7.53		-1.26	19.11
	11-Oct-93	7.60		-1.33	19.20
	4-Jan-94	7.27		-1.00	19.10
	10-May-94	7.43		-1.16	NM
	1-Feb-95	NM		NM	NM
	2-Aug-95	NM		NM	NM
MW-7	4-Jan-94	7.75	(b)	(b)	16.16
	10-May-94	7.44			NM
	1-Feb-95	6.35			16.56
	2-Aug-95	6.70			16.60
OW-1	23-Jun-93	4.14	(b)	(b)	18.60
	11-Oct-93	NM			NM
	4-Jan-94	NM			NM
	10-May-94	NM			NM
	1-Feb-95	NM			NM
	2-Aug-95	NM		NM	NM

(a) Measured from top of PVC casing.

(b) Well casing elevation unknown.

MSL Mean Sea Level

NM Not Measured



Table 3: Groundwater Analytical Results
 United Parcel Service, Inc.
 8400 Pardee Drive, Oakland, California.

Well	Date	TPH Gasoline (a) (µg/L)	TPH Diesel (b) (µg/L)	Benzene (c) (µg/L)	Toluene (c) (µg/L)	Ethyl- benzene (c) (µg/L)	Total Xylenes (c) (µg/L)	Total Oil & Grease (mg/L)
MW-1	28-Aug-90	NA	21,000	3.0	1.4	4.0	2.4	NA
	19-Jun-91	NA	7,100	1.7	0.7	0.5	0.9	NA
	23-Jul-91	220	8,700	1.6	1.1	0.5	1.5	NA
	26-Aug-91	NA	2,800	180	120	31	160	NA
	18-Nov-91	NA	6,600	1.1	0.4	0.5	ND(<0.3)	NA
	3-Feb-92	NA	2,200	0.9	ND(<0.3)	0.8	0.7	NA
	29-Jun-92	NA	2,100	0.8	0.4	0.4	0.9	NA
	23-Jun-93	NA	3,200	0.66	ND(<0.5)	0.5	ND(<0.5)	NA
	11-Oct-93	NA	9,600	1.3	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	4-Jan-94	NA	12,000	2.1	0.65	1.3	2.1	NA
	10-May-94	NA	6,400	(e) 0.54	0.53	ND(<0.5)	1.1	NA
	1-Feb-95	510	10,000	(f) ND(<1.0)	ND(<1.0)	1.0	ND(<1.0)	NA
	2-Aug-95	510	8,700	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	NA
MW-2	28-Aug-90	NA	3,500	0.6	0.4	0.6	0.7	NA
	19-Jun-91	NA	ND(<50)	0.5	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	23-Jul-91	ND(<50)	660	0.7	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	26-Aug-91	NA	ND(<50)	0.7	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	18-Nov-91	NA	3,200	0.8	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	3-Feb-92	NA	400	0.7	ND(<0.3)	ND(<0.3)	0.5	NA
	29-Jun-92	NA	250	0.6	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	23-Jun-93	NA	11,000	0.55	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	11-Oct-93	NA	1,400	1.2	ND(<0.5)	ND(<0.5)	1.3	NA
	4-Jan-94	NA	3,700	0.72	ND(<0.5)	ND(<0.5)	1.1	NA
	10-May-94	NA	2,300	(e) 0.74	ND(<0.5)	ND(<0.5)	0.7	NA
	1-Feb-95	ND(<100)	2,100	(d) 2.1	ND(<1.0)	ND(<1.0)	ND(<1.0)	NA
	2-Aug-95	210	3,600	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	NA
MW-3	28-Aug-90	NA	18,000	0.5	0.8	4.3	2.3	NA
	19-Jun-91	NA	1,300	0.4	0.4	1.7	1.4	NA
	23-Jul-91	330	6,800	0.3	ND(<0.3)	1.5	0.5	NA
	26-Aug-91	NA	ND(<50)	13	13	5.8	26	NA
	18-Nov-91	NA	2,500	0.6	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	3-Feb-92	NA	1,100	0.4	ND(<0.3)	1.3	0.6	NA
	29-Jun-92	NA	3,200	ND(<0.3)	ND(<0.3)	1.3	0.3	NA
	23-Jun-93	NA	8,100	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	11-Oct-93	NA	7,100	1.0	ND(<0.5)	1.5	2.4	NA
	4-Jan-94	NA	7,400	ND(<0.5)	ND(<0.5)	1.6	ND(<0.5)	NA
	10-May-94	NA	5,700	(e) ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	1-Feb-95	810	10,000	(f) ND(<1.0)	ND(<1.0)	2.7	4.1	NA
	2-Aug-95	1,200	6,500	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	NA
MW-4	28-Aug-90	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	19-Jun-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	23-Jul-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	26-Aug-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	18-Nov-91	ND(<50)	60	0.3	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	3-Feb-92	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	29-Jun-92	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	23-Jun-93	ND(<50)	59	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	11-Oct-93	ND(<50)	90	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	4-Jan-94	ND(<50)	110	(d) ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	10-May-94	ND(<50)	100	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	1-Feb-95	NS	NS	NS	NS	NS	NS	NA
	2-Aug-95	NS	NS	NS	NS	NS	NS	NA

Project No. RC0027.011



Table 3: Groundwater Analytical Results
 United Parcel Service, Inc.
 8400 Pardee Drive, Oakland, California.

Well	Date	TPH Gasoline (a) (µg/L)	TPH Diesel (b) (µg/L)	Benzene (c) (µg/L)	Toluene (c) (µg/L)	Ethyl- benzene (c) (µg/L)	Total Xylenes (c) (µg/L)	Total Oil & Grease (mg/L)
MW-5	28-Aug-90	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	19-Jun-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	23-Jul-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	26-Aug-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	18-Nov-91	ND(<50)	100	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	3-Feb-92	53	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	0.5	NA
	29-Jun-92	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	23-Jun-93	ND(<50)	61	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	11-Oct-93	ND(<50)	96	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	4-Jan-94	ND(<50)	100	(d) ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	10-May-94	ND(<50)	190	ND(<0.5)	0.74	1.2	1.7	NA
	1-Feb-95	NS	NS	NS	NS	NS	NS	NA
	2-Aug-95	NS	NS	NS	NS	NS	NS	NA
MW-6	7-Sep-90	ND(<50)	ND(<100)	ND(<0.3)	0.5	ND(<0.3)	1.0	NA
	19-Jun-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	23-Jul-91	ND(<50)	110	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	26-Aug-91	NA	NA	NA	NA	NA	NA	NA
	18-Nov-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	3-Feb-92	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	29-Jun-92	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	NA
	23-Jun-93	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	11-Oct-93	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	4-Jan-94	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	10-May-94	ND(<50)	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	1-Feb-95	NS	NS	NS	NS	NS	NS	NA
	2-Aug-95	NS	NS	NS	NS	NS	NS	NA
MW-7	4-Jan-94	ND(<50)	250	(d) ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	10-May-94	ND(<50)	250	(e) ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA
	1-Feb-95	ND(<50)	420	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<5.0)
	2-Aug-95	ND(<50)	360	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)
OW-1	23-Jun-93	NA	3,400,000	ND(<0.5)	ND(<0.5)	ND(<0.5)	31.0	NS
	4-Jan-94	NS	NS	NS	NS	NS	NS	NS
	10-May-94	NS	NS	NS	NS	NS	NS	NS
Trip Blank	26-Aug-91	ND(<50)	NA	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	
	18-Nov-91	ND(<50)	NA	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	
	3-Feb-92	ND(<50)	NA	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	
	29-Jun-92	ND(<50)	NA	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)	
	23-Jun-93	ND(<50)	NA	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	
	11-Oct-93	ND(<50)	NA	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	
	4-Jan-94	ND(<50)	NA	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	
	10-May-94	ND(<50)	NA	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	
	1-Feb-95	ND(<50)	NA	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	
	2-Aug-95	ND(<50)	NA	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	

Notes appear on the following page.



Table 3: Groundwater Analytical Results
 United Parcel Service, Inc.
 8400 Pardee Drive, Oakland, California.

Well	Date	TPH	TPH	Benzene (c) (µg/L)	Toluene (c) (µg/L)	Ethyl- benzene (c) (µg/L)	Total Xylenes (c) (µg/L)	Total Oil & Grease (mg/L)
		Gasoline (a) (µg/L)	Diesel (b) (µg/L)					
(a)	Total Petroleum Hydrocarbons as Gasoline analyzed by USEPA Method 5030/8015 modified.							
(b)	Total Petroleum Hydrocarbons as Diesel analyzed by USEPA Method 3510/8015 modified.							
(c)	BTEX analyzed by USEPA Method 5030/8020.							
(d)	Reported by the laboratory as a diesel and nondiesel mixture.							
(e)	Reported by the laboratory as a diesel and unidentified hydrocarbons > C20.							
(f)	Reported by the laboratory as a nondiesel mixture.							
ND	Not Detected							
NA	Not Analyzed							
NS	Not Sampled							
µg/L	micrograms per liter							
mg/L	Miligrams per liter							

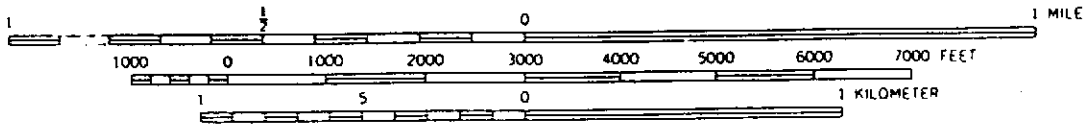
August 26, 1991 through June 29, 1992 analyses by Superior Precision Analytical Laboratories, Inc., Martinez, California

June 23, 1993 through May 10, 1994 analyses by Sequoia Analytical, Inc., Concord, California.

February 1, 1995 analysis by Sequoia Analytical, Inc., Redwood City, California.

August 2, 1995 analysis by Sequoia Analytical, Inc., Walnut Creek, California.



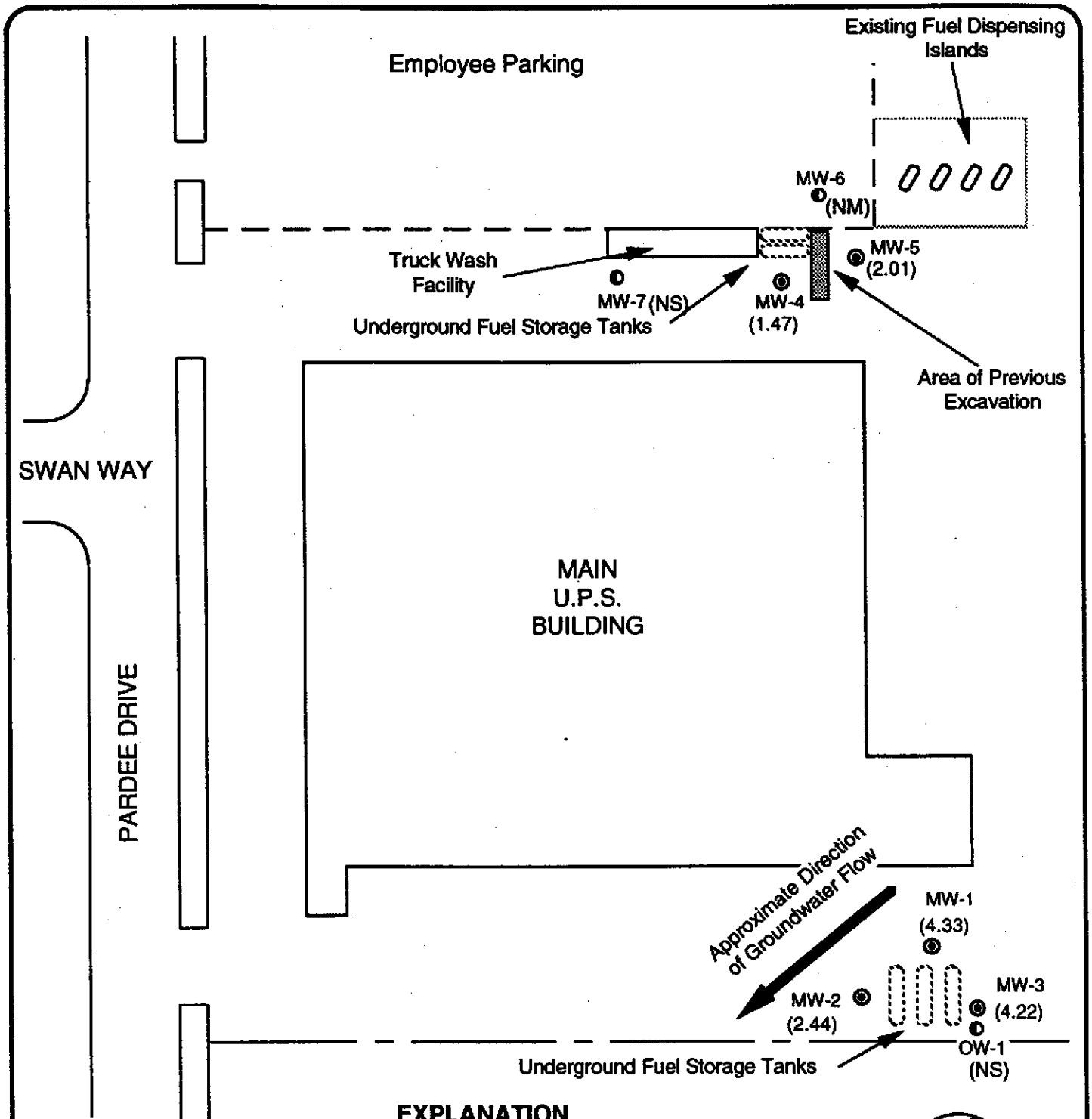


CONTOUR INTERVAL 20 FEET
 DOTTED LINES REPRESENT 5-FOOT CONTOURS



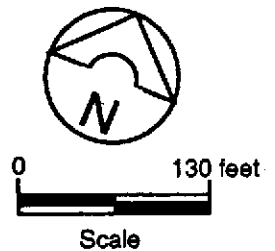
SITE LOCATION MAP
 United Parcel Service
 Package Distribution Facility
 Oakland, California

FIGURE
 1



EXPLANATION

- Approximate locations of monitoring wells installed by Geraghty & Miller
- Approximate location of monitoring well installed by others
- (4.33) Groundwater elevation in feet (8/2/95)
- NM Not measured; well inaccessible
- NS Not surveyed



Project No. RC0027.000

GROUNDWATER ELEVATION MAP
AUGUST 1995
UNITED PARCEL SERVICE, INC.
8400 Pardee Drive
Oakland, California

FIGURE
2

ATTACHMENT 1

**COPIES OF CERTIFIED LABORATORY ANALYTICAL RESULTS
AND CHAIN-OF-CUSTODY DOCUMENTATION**



Geraghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: #RC0027.011 Sample Matrix: Water Analysis Method: EPA 5030/8015 Mod./8020 First Sample #: 508-0322	Sampled: Aug 2, 1995 Received: Aug 3, 1995 Reported: Aug 23, 1995
--	--	---

QC Batch Number: GC081595 GC081595 GC081595 GC081595 GC081595

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 508-0322 MW-1	Sample I.D. 508-0323 MW-2	Sample I.D. 508-0324 MW-3	Sample I.D. 508-0325 MW-7	Sample I.D. 508-0326 TB-LB
Purgeable Hydrocarbons	50	510	210	1,200	N.D.	N.D.
Benzene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.
Toluene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.
Total Xylenes	0.50	N.D.	N.D.	N.D.	N.D.	N.D.

Chromatogram Pattern: Unidentified Hydrocarbons > C9 Unidentified Hydrocarbons > C9 Unidentified Hydrocarbons > C9

Quality Control Data

Report Limit Multiplication Factor:	2.0	2.0	10	1.0	1.0
Date Analyzed:	8/15/95	8/15/95	8/15/95	8/15/95	8/15/95
Instrument Identification:	HP-5	HP-4	HP-4	HP-5	HP-5
Surrogate Recovery, %: (QC Limits = 70-130%)	93	101	98	98	97

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834

(415) 364-9600
(510) 988-9600
(916) 921-9600

FAX (415) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100

Geraghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: Ted Crump	Client Project ID: #RC0027.011 Sample Matrix: Water Analysis Method: EPA 3510/8015 Mod. First Sample #: 508-0322	Sampled: Aug 2, 1995 Received: Aug 3, 1995 Reported: Aug 23, 1995
--	---	---

QC Batch Number: SP080895 SP080895 SP080895 SP080895

8015EXA 8015EXA 8015EXA 8015EXA

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 508-0322 MW-1	Sample I.D. 508-0323 MW-2	Sample I.D. 508-0324 MW-3	Sample I.D. 508-0325 MW-7
Extractable Hydrocarbons	50	8700	3600	6500	360
Chromatogram Pattern:		Diesel	Diesel	Diesel	Diesel

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0
Date Extracted:	8/8/95	8/8/95	8/8/95	8/8/95
Date Analyzed:	8/9/95	8/9/95	8/9/95	8/9/95
Instrument Identification:	HP-3B	HP-3B	HP-3B	HP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271


Kevin Van Slambrook
Project Manager





Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0027.011
Matrix Descript: Water
Analysis Method: SM 5520 B&F (Gravimetric)
First Sample #: 508-0325

Sampled: Aug 2, 1995
Received: Aug 3, 1995
Extracted: Aug 10, 1995
Analyzed: Aug 10, 1995
Reported: Aug 23, 1995

TOTAL RECOVERABLE PETROLEUM OIL

Sample Number	Sample Description	Oil & Grease mg/L (ppm)	Detection Limit Multiplication Factor	QC Batch Number	Instrument ID
508-0325	MW7	N.D.	1.0	SP0810965520MDA	Manual

Detection Limits:

5.0

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager





Geraghty & Miller, Inc.
 1050 Marina Way South
 Richmond, CA 94804
 Attention: Ted Crump

Client Project ID: #RC0027.011
 Matrix: Liquid

QC Sample Group: 5080322-26

Reported: Aug 23, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel	Oil & Grease
QC Batch#:	GC081595	GC081595	GC081595	GC081595	SP080895	SP081095
	802005A	802005A	802005A	802005A	8015EXA	5520MDA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015	SM 5520
Prep. Method:	-	-	-	-	EPA 3510	SM 5520
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill	J. Dineay	D. Newcomb
MS/MSD #:	5080326	5080326	5080326	5080326	BLK080895	BLK081095
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/15/95	8/15/95	8/15/95	8/15/95	8/8/95	8/10/95
Analyzed Date:	8/15/95	8/15/95	8/15/95	8/15/95	8/9/95	8/10/95
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5	GCHP-3B	Manual
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L	100mg/L
Result:	20	19	19	58	210	92
MS % Recovery:	100	95	95	97	70	92
Dup. Result:	18	18	18	55	200	93
MSD % Recov.:	90	90	90	92	67	93
RPD:	11	5.4	5.4	5.3	4.4	1.1
RPD Limit:	0-20	0-20	0-20	0-20	0-20	0-20

LCS #:	3LCS081595	3LCS081595	3LCS081595	3LCS081595	BLK080895	BLK081095
Prepared Date:	8/15/95	8/15/95	8/15/95	8/15/95	8/8/95	8/10/95
Analyzed Date:	8/15/95	8/15/95	8/15/95	8/15/95	8/9/95	8/10/95
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5	GCHP-3B	Manual
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L	100 mg/L
LCS Result:	18	18	18	54	210	92
LCS % Recov.:	90	89	88	91	70	92

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120	38-122	60-140
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Please Note:
 The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.
 ** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
 Kevin Van Slambrook
 Project Manager





Sequoia Analytical

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819, Striker Avenue, Suite 8

Redwood City, CA 94063 (415) 364-9600
Walnut Creek, CA 94595 (510) 988-9600
Sacramento, CA 95834 (916) 921-9600

Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0027.011
Matrix: Liquid

QC Sample Group: 5080322-26

Reported: Aug 23, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC081595 802004A	GC081595 802004A	GC081595 802004A	GC081595 802004A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:				
Analyst:	M. Creusers	M. Creusers	M. Creusers	M. Creusers
MS/MSD #:	5080329	5080329	5080329	5080329
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/15/95	8/15/95	8/15/95	8/15/95
Analyzed Date:	8/15/95	8/15/95	8/15/95	8/15/95
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	17	18	18	55
MS % Recovery:	85	90	90	92
Dup. Result:	20	21	21	64
MSD % Recov.:	100	105	105	107
RPD:	16	15	15	15
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	2LCS081595	2LCS081595	2LCS081595	2LCS081595
Prepared Date:	8/15/95	8/15/95	8/15/95	8/15/95
Analyzed Date:	8/15/95	8/15/95	8/15/95	8/15/95
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	21	22	23	68
LCS % Recov.:	106	112	113	113

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120
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Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Kevin Van Slambrook
Project Manager



Project Number R10027.010
 Project Location 8400 Pardee Dr
 Laboratory Sequia Analytical
 Sampler(s)/Affiliation Aaron O'Brien
Gerrity & Miller

SAMPLE BOTTLE / CONTAINER DESCRIPTION						
TPH-Diesel (8015 mod.)	BTEX (8020)	TPH-6 (8015 mod.)	Total Oil & Grease (5320F)			

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID						TOTAL
MW-1	L	8-2-95 12:15 PM		X	X	X		5080322 AD	4
MW-2	L	↓		X	X	X		5080323	4
MW-3	L			X	X	X		5080324 ↓	4
MW-7	L			X	X	X	X	5080325 AE	5
TR-LB	L	↓		X				5080326 -	1

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 18

Relinquished by: <u>C. DeHers</u>	Organization: <u>Gerrity & Miller</u>	Date <u>8-13-95</u> Time <u>12:30</u>	Seal Intact?
Received by: <u>[Signature]</u>	Organization: <u>Sequia</u>	Date <u>8-13-95</u> Time <u>12:30</u>	Yes No N/A
Relinquished by: <u>[Signature]</u>	Organization: <u>Sequia</u>	Date <u>8-13-95</u> Time <u>4:40</u>	Seal Intact?
Received by: <u>[Signature]</u>	Organization: <u>SAL-inc.</u>	Date <u>8-13-95</u> Time <u>16:40</u>	Yes No N/A

Special Instructions/Remarks: _____

Delivery Method: In Person Common Carrier Lab Courier Other _____