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the i group

August 19, 1999
Project 360-014.2B

#1138

Mr. Dennis Buran
Glascock Street Properties
383 Diablo Road, Suite 100
Danville, California 94526

Re: **Quarterly Report - Second Quarter 1999**
Former Dorr-Oliver Site
2901 Glascock Street
Oakland, California

Dear Mr. Buran:

This letter has been prepared for Glascock Street Properties by IT Corporation (IT), formerly Pacific Environmental Group, Inc. The following presents results of the second quarter 1999 groundwater monitoring program for the site referenced above (Figure 1).

QUARTERLY GROUNDWATER MONITORING PROGRAM

All seven existing groundwater monitoring wells (MW–1 through MW-4, and MW-6 through MW-8; Figure 1) were gauged and sampled by IT on June 17, 1999. The depth to groundwater and groundwater analytical data are presented in Tables 1 and 2. The wells were sampled and analyzed for the presence of total purgeable petroleum hydrocarbons quantified as gasoline (TPPH-g), benzene, toluene, ethylbenzene, and xylenes (BTEX compounds), total extractable petroleum hydrocarbons quantified as diesel (TEPH-d), total extractable petroleum hydrocarbons quantified as motor oil (motor oil), and methyl tert-butyl ether (MtBE).

Groundwater Levels

All seven monitoring wells exhibited a decrease in groundwater elevation (Table 1). Overall, the average groundwater elevation in site monitoring wells decreased by approximately 1.11 feet compared to last quarter. Groundwater flow is still generally to the south/southwest (toward the Oakland Estuary), consistent with previous measurements, at a gradient of approximately 0.012. Groundwater elevations were within the historic range for the site.

Groundwater Quality

No separate phase hydrocarbons (SPH) were observed in any site monitoring wells this quarter. A sheen described as heavy and sooty was observed at Well MW-6, and may have been caused by intrusion of water from the estuary. The following paragraphs summarize the results for TPPH-g, BTEX compounds, MtBE, TEPH-d, and motor oil. Table 2 presents the groundwater analytical data; Figure 1 illustrates the results for benzene and TEPH-d. Certified analytical results, chain-of-custody documentation, and field data sheets are contained in Attachment A.

Detectable concentrations of TPPH-g were reported for samples collected from four wells this quarter, ranging from 72 to 525 micrograms per liter (µg/L) (see Table 2). BTEX compounds were detected in three wells this quarter, MW-1, MW-3, and MW-6 (Table 2). Benzene was detected in two wells, MW-1 and MW-6 and concentrations of 3.27 and 4.56 µg/L, respectively.

Detectable concentrations of MtBE were found in Wells MW-1, MW-6, and MW-7 this quarter, at concentrations of 11.9, 9.85, and 59.1 µg/L, respectively. Well MW-7 is an upgradient well located off-site at the intersection of Glascock and Peterson Streets. Based on the concentrations observed in Well MW-7, it appears that an upgradient source of MtBE continues to impact monitoring wells at this site.

No detectable concentrations of motor oil were reported for any of the wells sampled, however detectable concentrations of unidentified hydrocarbons in the C16 to C36 range were reported in samples from four (aged) of the monitoring wells (Table 2). One well, MW-6, was reported to contain 1,460 µg/L of a mixture of weathered diesel and unidentified hydrocarbons in the C15 to C24 range (diesel range). No other wells were reported to contain diesel, although four wells were reported to contain unidentified hydrocarbons in the C9 to C24 range.

(remember we consider diesel range + diesel the same re: Reactivity)

CONCLUSION

Additional remedial activities were recently performed at the site, as reported by IT in the *Additional Remediation Report* dated August 9, 1999. IT will evaluate the effectiveness of the remedial action during subsequent monitoring events. If you have any questions regarding the contents of this letter, please call.

(borings done on 8/2+3)

Sincerely,

IT Corporation

for Andrew D. Lehane, P.E.

Andrew D. Lehane
Project Engineer
RCE 55798

Attachments:
Table 1 - Groundwater Elevation Data
Table 2 - Groundwater Analytical Data - Total Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds,

TEPH as Diesel, Motor Oil, and MtBE)
Figure 1 - Site Plan
Attachment A - Certified Analytical Reports, Chain-of-Custody Documentation, and Field Data Sheets

cc: Mr. Barney Chan, ACHCSA

Table 1
Groundwater Elevation Data

Former Dorr-Oliver Site
2901 Glascock Street
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-1	10/06/94	10.76	NA	NA
	01/20/95		6.67	4.09
	05/15/95		7.08	3.68
	08/28/95		8.06	2.70
	12/06/95		8.24	2.52
	01/18/96	10.76	6.35	4.41
	03/08/96		6.52	4.24
	07/02/96		8.35	2.41
	12/17/96		6.85	3.91
	03/21/97		7.90	2.86
	06/25/97		9.20	1.56
	09/29/97		8.90	1.86
	12/11/97		7.10	3.66
	03/27/98		7.50	3.26
	06/26/98		8.65	2.11
	09/11/98		8.35	2.41
	12/24/98		8.50	2.26
	03/31/99		7.75	3.01
	06/17/99		8.70	2.06
MW-2	10/06/94	10.62	7.17	3.45
	01/20/95		4.64	5.98
	05/15/95		5.66	4.96
	08/28/95		6.26	4.36
	12/06/95		7.30	3.32
	01/18/96	10.63	4.85	5.78
	03/08/96		4.38	6.25
	07/02/96		6.60	4.03
	12/17/96		5.10	5.53
	03/21/97		6.25	4.38
	06/25/97		8.01	2.62
	09/29/97		8.45	2.18
	12/11/97		5.63	5.00
	03/27/98		6.50	4.13
	06/26/98		7.55	3.08
	09/11/98		7.15	3.48
	12/24/98		6.77	3.86
	03/31/99		5.80	4.83
	06/17/99		7.10	3.53
MW-3	10/06/94	9.87	6.57	3.30
	01/20/95		4.47	5.40
	05/15/95		5.08	4.79
	08/28/95		6.18	3.69
	12/06/95		6.44	3.43
	01/18/96	9.87	4.15	5.72
	03/08/96		4.76	5.11
	07/02/96		6.45	3.42
	12/17/96		4.92	4.95
	03/21/97		5.72	4.15

Table 1
Groundwater Elevation Data

Former Dorr-Oliver Site
2901 Glascock Street
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)		Groundwater Elevation (feet, MSL)
	06/25/97		6.35		3.52
	09/29/97		6.35		3.52
	12/11/97		4.70		5.17
	03/27/98		5.15		4.72
	06/26/98		6.17		3.70
	09/11/98		6.40		3.47
	12/24/98		6.27		3.60
	03/31/99		5.35		4.52
	06/17/99		6.60		3.27
MW-4	10/06/94	10.64	7.96		2.68
	01/20/95		5.95		4.69
	05/15/95		6.28		4.36
	08/28/95		7.38		3.26
	12/06/95		7.80		2.84
	01/18/96	10.64	5.60		5.04
	03/08/96		5.93		4.71
	07/02/96		7.95		2.69
	12/17/96		6.35		4.29
	03/21/97		7.30		3.34
	06/25/97		7.95		2.69
	09/29/97		7.65		2.99
	12/11/97		5.75		4.89
	03/27/98		6.60		4.04
	06/26/98		7.85		2.79
	09/11/98		7.85		2.79
	12/24/98		7.93		2.71
	03/31/99		7.15		3.49
	06/17/99		8.25		2.39
MW-5	05/15/95	10.61	7.54		3.07
	08/28/95		8.44		2.17
	12/06/95		8.34		2.27
	01/18/96	10.61	7.15		3.46
	03/08/96		7.54		3.07
	07/02/96		9.45		1.16
	12/17/96		NA	a	NA
MW-6	05/15/95	10.27	7.46		2.81
	08/28/95		8.06		2.21
	12/06/95		8.78		1.49
	01/18/96	10.28	7.85		2.43
	03/08/96		8.64		1.64
	07/02/96		11.50		-1.22
	12/17/96		9.40		0.88
	03/21/97		9.00		1.28
	06/25/97		11.50		-1.22
	09/29/97		9.95		0.33
	12/11/97		8.50		1.78
	03/27/98		10.10		0.18

Table 1
Groundwater Elevation Data

Former Dorr-Oliver Site
2901 Glascock Street
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
	06/26/98		12.10	-1.82
	09/11/98		9.90	0.38
	12/24/98		10.15	0.13
	03/31/99		10.18	0.10
	06/17/99		11.05	-0.77
MW-7	05/15/95	9.85	3.46	6.39
	08/28/95		4.49	5.36
	12/06/95		5.04	4.81
	01/18/96	9.86	3.10	6.76
	03/08/96		3.18	6.68
	07/02/96		4.40	5.46
	12/17/96		3.45	6.41
	03/21/97		3.75	6.11
	06/25/97		4.75	5.11
	09/29/97		5.05	4.81
	12/11/97		3.45	6.41
	03/27/98		3.45	6.41
	06/26/98		4.00	5.86
	09/11/98		4.95	4.91
	12/24/98		4.30	5.56
	03/31/99		3.50	6.36
	03/31/99		4.85	5.01
MW-8	01/18/96	10.61	7.15	3.46
	03/08/96		NA	NA
	07/02/96		10.80	-0.19
	12/17/96		8.52	2.09
	03/21/97		8.60	2.01
	06/25/97		10.27	0.34
	09/29/97		8.75	1.86
	12/11/97		7.20	3.41
	03/27/98		8.85	1.76
	06/26/98		10.70	-0.09
	09/11/98		9.40	1.21
	12/24/98		9.85	0.76
	03/31/99		9.58	1.03
	03/31/99		10.55	0.06

MSL = Mean sea level
TOC = Top of casing
NA = Not available
a. Well MW-5 was destroyed in September 1996.

Table 2
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, TEPH as Diesel, Motor Oil, and MtBE)

Former Dorr-Oliver Site
2901 Glascock Street
Oakland, California

Well Number	Date Sampled	TPPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	TEPH as Diesel (µg/L)	Motor Oil (µg/L)	MtBE (µg/L)
MW-1	10/06/94	NS	NS	NS	NS	NS	NS	NS	NS
	01/20/95	670	5.3	ND	ND	1.1	1,900	NA	NA
	05/15/95	290	7.9	ND	ND	1.4	3,400	NA	NA
	08/28/95	250	5.4	ND	ND	1.1	1,800	NA	NA
	11/29/95	NA	NA	NA	NA	NA	ND	ND	NA
	12/06/95	770	4.8	ND	ND	1.3	39,000	NA	NA
	01/18/96	NA	NA	NA	NA	NA	23,000	NA	NA
	03/08/96	360	2,600	ND	ND	1.9	16,000	NA	24
	07/02/96	5,300 a	ND	ND	ND	ND	6,600	ND	ND
	12/17/96	540 b	3.4	ND	ND	0.83	2,800 c	1,600 d	60
	03/21/97	590	5.5	0.66	ND	ND	5,500 e	5,000 d	71
	05/16/97	NA	NA	NA	NA	NA	NA	NA	NA
	06/25/97	470 h	ND	ND	ND	ND	39,000 e	26,000 d	45
	09/29/97	510 h	2.2	ND	ND	ND	5,000 e	4,000 d	37
	12/11/97	ND	ND	ND	ND	ND	1,900 e	1,300 d	ND
	03/27/98	280 k	5.0	0.60	ND	ND	4,600 e	3,900 d	890
	06/26/98	450 f	2.6	ND	ND	ND	1,700 e	1,300 d	41
	09/11/98	230 l	2.8	ND	ND	1.8	3,000 m	ND	8.7
	09/11/98	NA	NA	NA	NA	NA	620 g	520 d	NA
	12/24/98	380 b	5.0	ND	ND	ND	2,100 g	1,600 d	ND
	03/31/99	190 b	3.0	ND	ND	1.4	10,000 e	6,600 d	55
	06/17/99	133	3.27	ND	ND	ND	1,920 g	2,770 d	11.9
							← s.g.	← no s.g.	
MW-2	10/06/94	NS	NS	NS	NS	NS	NS	NS	NS
	01/20/95	520	2.2	1.9	ND	1.3	4,000	NA	NA
	05/15/95	310	2.3	1.9	ND	1.4	5,100	NA	NA
	08/28/95	320	2.9	2.9	ND	2.6	4,100	NA	NA
	11/29/95	NS	NS	NS	NS	NS	NS	NS	NS
	12/06/95	210	2.0	2.2	ND	0.57	17,000	NA	NA
	01/18/96	NA	NA	NA	NA	NA	22,000	NA	NA
	03/08/96	310	2.4	1.9	ND	1.4	56,000	NA	ND
	07/02/96	9,300 a	ND	ND	ND	ND	19,000	ND	ND
	12/17/96	140 b	1.1	2.0	ND	1.4	10,000 e	5,400 d	ND
	03/21/97	230	2.1	1.9	ND	ND	17,000 e	16,000 d	ND
	05/16/97	NA	NA	NA	NA	NA	NA	NA	NA
	06/25/97	630 h	ND	ND	ND	ND	16,000 e	13,000 d	ND
	09/29/97	300 h	1.3	0.66	ND	ND	32,000 e	20,000 d	ND
	12/11/97	ND	ND	ND	ND	ND	4,800 e	4,000 d	ND
	03/27/98	94 k	1.3	1.30	ND	ND	15,000 e	11,000 d	18
	06/26/98	490 b	ND	ND	ND	ND	11,000 e	5,900 d	ND
	09/11/98	550 l	ND	ND	ND	ND	11,000 n	ND	ND
	09/11/98	NA	NA	NA	NA	NA	6,100 g	ND	NA
	12/24/98	990 b	ND	6.8	9.1	17	2,000 g	1,200 d	ND
	3/3/1/99	580 p	1.3	2.2	ND	0.99	21,000 g	14,000 d	ND
	06/17/99	525	ND	ND	ND	ND	ND	ND	ND
MW-3	10/06/94	NA	ND	ND	ND	ND	320	NA	NA
	01/20/95	86	ND	ND	ND	ND	460	NA	NA
	05/15/95	60	ND	ND	ND	ND	310	NA	NA
	08/28/95	ND	ND	ND	ND	ND	310	NA	NA
	11/29/95	NS	NS	NS	NS	NS	NS	NS	NS

Table 2
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, TEPH as Diesel, Motor Oil, and MtBE)

Former Dorr-Oliver Site
2901 Glascock Street
Oakland, California

Well Number	Date Sampled	TPPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	TEPH as Diesel (µg/L)	Motor Oil (µg/L)	MtBE (µg/L)
	12/06/95	120	ND	ND	ND	ND	1,000	NA	NA
	01/18/96	NA	NA	NA	NA	NA	210	NA	NA
	03/08/96	67	ND	ND	ND	ND	1,000	NA	7.2
	07/02/96	230 a	ND	ND	ND	ND	640	ND	ND
	12/17/96	240 f	ND	ND	ND	ND	560 e	ND	ND
	03/21/97	760 h	ND	ND	ND	0.94	2,100 e	1900 d	5.6
	05/16/97	NA	NA	NA	NA	NA	NA	NA	NA
	06/25/97	180 h	ND	ND	ND	0.58	610 g	ND	5.3
	09/29/97	84 i	ND	ND	ND	ND	470 g	ND	ND
	12/11/97	ND	ND	ND	ND	ND	380 e	ND	ND
	03/27/98	ND	ND	ND	ND	ND	220 g	ND	ND
	06/26/98	68 b	ND	ND	ND	ND	210 g	ND	ND
	09/11/98	110 l	ND	ND	ND	ND	320 o	ND	ND
	09/11/98	NA	NA	NA	NA	NA	210 g	ND	NA
	12/24/98	ND	ND	ND	ND	ND	220 g	ND	ND
	03/31/99	73 q	ND	ND	ND	ND	680 r	580 r	ND
	06/17/99	72	ND	ND	ND	0.696	325 g	516 d	ND
MW-4	10/06/94	NA	ND	ND	ND	ND	ND	NA	NA
	01/20/95	ND	ND	ND	ND	ND	ND	NA	NA
	05/15/95	ND	ND	ND	ND	ND	ND	NA	NA
	08/28/95	ND	ND	ND	ND	ND	ND	NA	NA
	11/29/95	NA	NA	NA	NA	NA	NA	NA	NA
	12/06/95	ND	ND	ND	ND	ND	57	NA	NA
	01/18/96	NA	NA	NA	NA	NA	ND	NA	NA
	03/08/96	ND	ND	ND	ND	ND	100	NA	ND
	07/02/96	ND	ND	ND	ND	ND	ND	ND	ND
	12/17/96	ND	ND	ND	ND	ND	310 g	530 d	ND
	03/21/97	ND	ND	ND	ND	ND	180 g	500 d	ND
	06/25/97	ND	ND	ND	ND	ND	120 g	ND	ND
	09/29/97	ND	ND	ND	ND	ND	130 g	ND	ND
	12/11/97	ND	ND	ND	ND	ND	57 g	ND	ND
	03/27/98	ND	ND	ND	ND	ND	ND	ND	ND
	06/26/98	ND	ND	ND	ND	ND	ND	ND	ND
	09/11/98	ND	ND	ND	ND	ND	ND	ND	ND
	09/11/98	NA	NA	NA	NA	NA	230 g	ND	NA
	12/24/98	ND	ND	ND	ND	ND	65 g	ND	ND
	03/31/99	ND	ND	ND	ND	ND	140 r	ND	ND
	06/17/99	ND	ND	ND	ND	ND	ND	ND	ND
MW-5*	05/15/95	ND	ND	ND	ND	ND	490	NA	NA
	08/28/95	ND	ND	ND	ND	ND	170	NA	NA
	11/29/95	NS	NS	NS	NS	NS	NS	NS	NS
	12/06/95	ND	ND	ND	ND	ND	250	NA	NA
	01/18/96	NA	NA	NA	NA	NA	49	NA	NA
	03/08/96	ND	ND	ND	ND	ND	210	ND	12
	07/02/96	200 a	ND	ND	ND	ND	110	ND	ND
MW-6	05/15/95	120	5.6	0.88	ND	2.1	1,100	NA	NA
	08/28/95	140	6.1	0.77	ND	2.3	2,100	NA	NA

Table 2
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, TEPH as Diesel, Motor Oil, and MtBE)

Former Dorr-Oliver Site
2901 Glascock Street
Oakland, California

Well Number	Date Sampled	TPPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	TEPH as Diesel (µg/L)	Motor Oil (µg/L)	MtBE (µg/L)
	11/29/95	NA	NA	NA	NA	NA	35,000	5,400	NA
	12/06/95	140	4.6	0.89	ND	1.7	38,000	NA	NA
	01/18/96	NA	NA	NA	NA	NA	59,000	NA	NA
	03/08/96	160	3.4	0.57	ND	1.9	14,000	NA	ND
	07/02/96	3,300 a	3.1	ND	ND	ND	2,300	1,300	ND
	12/17/96	150 b	3.4	0.93	ND	1.7	15,000 e	14,000 d	14
	03/21/97	300	3.5	0.91	ND	0.79	18,000 e	17,000 d	19
	05/16/97	NA	NA	NA	NA	NA	NA	NA	NA
	06/25/97	590 h	3.2	ND	ND	ND	9,300 e	7,900 d	15
	09/29/97	490 h	2.6	0.83	ND	1.5	7,900 e	7,900 d	13
	12/11/97	ND	ND	ND	ND	ND	5,600 e	5,100 j	ND
	03/27/98	ND	ND	ND	ND	ND	1,500 e	1,400 d	ND
	06/26/98	290 f	5.3	ND	ND	1.1	9,200 e	6,400 d	11
	09/11/98	660 l	500	ND	ND	ND	4,200 m	ND	6.5
	09/11/98	NA	NA	NA	NA	NA	1,600 g	1,300 d	NA
	12/24/98	ND	ND	ND	ND	ND	1,000 g	690 d	ND
	03/31/99	330 b	4.2	0.83	ND	1.5	22,000 e	16,000 d	ND
	06/17/99	504	4.56	0.863	0.573	1.2	1,460 s	7,090 d	9.85
MW-7	05/15/95	110	ND	ND	ND	ND	ND	NA	NA
	08/28/95	ND	ND	ND	ND	ND	ND	NA	NA
	11/29/95	NA	NA	NA	NA	NA	NA	NA	NA
	12/06/95	62	ND	ND	ND	ND	ND	NA	NA
	01/18/96	NA	NA	NA	NA	NA	ND	NA	NA
	03/08/96	ND	ND	ND	ND	ND	ND	NA	ND
	07/02/96	ND	ND	ND	ND	ND	ND	ND	580
	12/17/96	ND	ND	ND	ND	ND	120 g	ND	100
	03/21/97	ND	ND	ND	ND	ND	79 g	ND	190
	06/25/97	ND	ND	ND	ND	ND	58 g	ND	580
	09/29/97	ND	ND	ND	ND	ND	ND	ND	310
	12/11/97	ND	ND	ND	ND	ND	ND	ND	ND
	03/27/98	ND	ND	ND	ND	ND	ND	ND	ND
	06/26/98	ND	ND	ND	ND	ND	ND	ND	110
	09/11/98	ND	ND	ND	ND	ND	ND	ND	110
	09/11/98	NA	NA	NA	NA	NA	140 g	ND	NA
	12/24/98	ND	ND	ND	ND	ND	ND	ND	150
	03/31/99	ND	ND	ND	ND	ND	78 r	ND	11
	06/17/99	ND	ND	ND	ND	ND	53.7 g	ND	59.1
MW-8	11/29/95	NA	NA	NA	NA	NA	NA	NA	NA
	01/18/96	NA	NA	NA	NA	NA	ND	NA	NA
	03/08/96	NS	NS	NS	NS	NS	NS	NS	NS
	07/02/96	ND	0.74	0.88	ND	0.82	ND	ND	ND
	12/17/96	ND	ND	ND	ND	ND	53 g	ND	ND
	03/21/97	ND	ND	ND	ND	ND	ND	ND	ND
	06/25/97	ND	ND	ND	ND	ND	ND	ND	ND
	09/29/97	ND	ND	ND	ND	ND	ND	ND	ND
	12/11/97	270	8.0	1.8	5.7	14	ND	ND	72
	03/27/98	ND	ND	ND	ND	ND	ND	ND	ND
	06/26/98	ND	ND	ND	ND	ND	ND	ND	ND
	09/11/98	ND	ND	ND	ND	ND	ND	ND	ND

Table 2
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, TEPH as Diesel, Motor Oil, and MtBE)

Former Dorr-Oliver Site
2901 Glascock Street
Oakland, California

Well Number	Date Sampled	TPPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	TEPH as Diesel (µg/L)	Motor Oil (µg/L)	MtBE (µg/L)
	09/11/98	NA	NA	NA	NA	NA	130 g	ND	NA
	12/24/98	ND	ND	ND	ND	ND	ND	ND	ND
	03/31/99	ND	ND	ND	ND	ND	ND	ND	ND
	06/17/99	ND	ND	ND	ND	ND	10,004 g	12,700 d	ND

TPPH = Total purgeable petroleum hydrocarbons
TEPH = Total extractable petroleum hydrocarbons
MtBE = Methyl tert-butyl ether
µg/L = Micrograms per liter
NS = Not sampled
ND = Not detected (see certified analytical reports for detection limits)
NA = Not analyzed
* = Well MW-5 was destroyed in September 1996.

a. Chromatogram pattern is not gasoline, but volatile fraction of diesel quantified as gasoline.
b. Chromatogram pattern is not gasoline, but unidentified hydrocarbons in C6 - C12 range.
c. Chromatogram pattern is a mixture of weathered diesel and unidentified hydrocarbons in C9 - C24 range.
d. Chromatogram pattern is not motor oil, but unidentified hydrocarbons in C16 - C36 range.
e. Chromatogram pattern is weathered diesel in C9 - C24 range.
f. Chromatogram pattern is not gasoline, but unidentified hydrocarbons > C10.
g. Chromatogram pattern is not diesel, but unidentified hydrocarbons in the C9 - C24 range.
h. Chromatogram pattern is weathered gasoline.
i. Chromatogram pattern is not gasoline, but unidentified hydrocarbons in C6 - C8 range.
j. Chromatogram pattern is not motor oil, but unidentified hydrocarbons in the C16 to C34 range.
k. Chromatogram pattern is not gasoline, but unidentified hydrocarbons > C5.
l. Chromatogram pattern is not gasoline, but unidentified hydrocarbons > C12.
m. Chromatogram pattern is a mixture of weathered diesel and unidentified hydrocarbons in the C18 - C40 range.
n. Chromatogram pattern is a mixture of weathered diesel and unidentified hydrocarbons in the C9 - C40 range.
o. Chromatogram pattern is not diesel, but unidentified hydrocarbons in the C9 - C40 range.
p. Chromatogram pattern is a mixture of gasoline and unidentified hydrocarbons > C10.
q. Chromatogram pattern is not gasoline, but unidentified hydrocarbons > C8.
r. Chromatogram pattern is unidentified hydrocarbons in the C9 - C40 range.
s. Chromatogram pattern is a mixture of weathered diesel and unidentified hydrocarbons in the C15 - C24 range.

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY
360-014.2R			K Black 8/23/99

PETERSON STREET

GLASCOCK STREET

APPROXIMATE LIMITS OF BUILDING

OPEN LOT

OFFICES

FORMER TANK

FORMER TANK

RAMP

FORMER SANDBLAST ROOM

OAKLAND ESTUARY

5.0 ?

MW-7
(5.01)
ND/53.7*

? 4.0 ?

MW-3
(3.27)
ND/325*

MW-2
(3.53)
~~1.3~~/21,000*

? 3.0 ?

MW-4
(2.39)
ND/ND

? 2.0 ?

MW-1
(2.06)
3.27/1,920*

? 1.0 ?

MW-5

? 0.0 ?

MW-8
(0.06)
ND/ND

MW-6
(-0.77)
4.56/1,460**

LEGEND

◉	Groundwater monitoring well
∅	Destroyed groundwater monitoring well
(3.53)	Groundwater elevation (Ft.–MSL); measured 6/17/99
? — — — ?	Groundwater elevation contour (Ft.–MSL)
1.3/21,000*	Benzene/TEPH–d concentration in groundwater (parts per billion); measured 6/17/99
ND	Not detected
*	Not diesel; unidentified hydrocarbons C9–C24
**	Weathered diesel and unidentified hydrocarbons

SCALE
0 40 80 FEET

IT CORPORATION

GLASCOCK STREET PROPERTIES
FORMER DORR–OLIVER SITE

FIGURE 1
GROUNDWATER ELEVATION CONTOURS
SECOND QUARTER 1999
2901 GLASCOCK STREET
OAKLAND, CALIFORNIA

SANJOSE/CADD: G:\360\014\Gwc.dwg Fri, 10/Sep/99 11:05am kblack

ATTACHMENT A
CERTIFIED ANALYTICAL REPORTS, CHAIN-OF-CUSTODY DOCUMENTATION, AND FIELD DATA SHEETS

JUN 18 1999

FIELD SERVICES REQUEST

SITE INFORMATION FORM

Identification

Project # 360-014.2B
Station ID Former Dorr-Olive Site
Site Address: 2901 Glascock St.
Oakland
Lab: Sequoia
County: Alameda
Project Manager: Andrew D. Lehane
Requester: Jessica Nelligan
Client: Glascock Street Properties
Client P.O.C: Dennis Buran
Date of Request: December 1, 1997

Project Type

☐ Operation & Maintenance
☐ Sampling
☐ 1st time visit
☒ Quarterly
☐ 1st ☐ 2nd ☐ 3rd ☒ 4th
☐ Monthly
☐ Semi- Monthly
☐ Weekly
☐ One time event
☐ Other:
Ideal field date: **December**

Site Check Appropriate Category

☒ In Budget Visit
☐ Out of Budget Site Visit

Budget Hours:
Actual Hours:
Mob de Mob:

Site Safety Concerns

STANDARD

Field Tasks General Description

Quarterly M&S, Months 3,6,9,12

1. Contact Gary or Bill @ ICONCO, 303 Derby Ave. @ Glascock, (510) 261-1900 to arrange for site access.
2. Take groundwater DTW (TOC) measurements for Wells MW-1 through MW-4, MW-6 through MW-8.
3. Collect groundwater samples from Wells MW-1 through MW-4, MW-6 through MW-8. Take dissolved oxygen (DO) readings from MW-1, 2, and 6. Request analysis for the following on normal TAT:

   Quarterly, all wells — TPPH-g, TEPH-d*, TEPH-mo*, BTEX, MtBE

   Annually, MW-6 and MW-8 — cadmium, chromium, lead, nickel, zinc, and chlorinated hydrocarbons (8010)

   * Request on COC "Fuel Fingerprint as diesel and motor oil with silica gel clean-up"
4. Ideal sampling order: MW-4, MW-7, MW-8, MW-3, MW-6, MW-1, MW-2
5. Purge water to be disposed of at Seaport, Redwood City.

Comments, remarks from field staff

TASK Completed. Sample all wells per protocol
Dtw All wells

Completed By: [signature] Date: 6-17-99

Pacific Environmental Group, Inc.

FIELD REPORT

DEPTH TO WATER/SEPARATE-PHASE HYDROCARBON SURVEY

PROJECT No.: 360042A LOCATION: 2601 Glascock St DATE: _____

CLIENT/STATION NO.: For: Clover Site FIELD TECHNICIAN: Pedro E Ruiz DAY OF WEEK: _____

PROBE TYPE/ID No.
- ☐ Oil/Water IF/ _____
- ☐ H_2O level indicator _____
- ☐ Other: _____

Dtw Order	Well ID	Time	Surface Seal	Lid Secure	Gasket	Lock	Expanding Cap	Total Depth (feet)	First Depth to Water (feet) TOB/TOC	Second Depth to Water (feet) TOB/TOC	SEPARATE-PHASE HYDROCARBONS (SPH): SPH Depth (feet) TOB/TOC	SPH Thickness (feet)	COLOR: Fresh	Weathered	Gas	Oil	VISCOSITY: Lite	Medium	Heavy	LIQUID REMOVED (gallons): SPH / H_2O
	MW-1	8:09	✓	✓	✓	✓	✓	19.80	8.70 / 8.70	8.90 / 8.90										/
	MW-2	8:10	✓	✓	✓	✓	✓	19.75	7.10 / 7.10	7.42 / 7.42										/
	MW-3	7:54	✓	✓	✓	✓	✓	19.80	6.60 / 6.60	6.96 / 6.96										/
	MW-4	7:57	✓	✓	✓	✓	✓	19.70	8.25 / 8.25	8.63 / 8.63										/
	MW-6	8:00	✓	✓	✓	✓	✓	19.50	11.05 / 11.05	11.70 / 11.70										/
	MW-7	7:50	✓	✓	✓	✓	✓	17.75	4.85 / 4.85	5.25 / 5.25										/
	MW-8	8:00	✓	✓	✓	✓	✓	17.70	10.55 / 10.55	11.10 / 11.10										/
									/	/										/
									/	/										/

Comments: _____

FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 36001928 LOCATION: 2901 Blaycock St WELL ID #: MW-1

CLIENT/STATION No.: Former Dorpoliver site FIELD TECHNICIAN: Pedro Ruiz

WELL INFORMATION

Depth to Liquid: _____ TOB _____ TOC
Depth to water: _____ TOB _____ TOC
Total depth: _____ TOB _____ TOC
Date: _____ Time (2400): _____

Probe Type and I.D. #
- ☐ Oil/Water interface _____
- ☐ Electronic indicator _____
- ☐ Other; _____

CASING DIAMETER		GAL/ LINEAR FT.
☒	2	0.17
☐	3	0.38
☐	4	0.66
☐	4.5	0.83
☐	5	1.02
☐	6	1.5
☐	8	2.6

SAMPLE TYPE
- ☒ Groundwater
- ☐ Duplicate
- ☐ Extraction well
- ☐ Trip blank
- ☐ Field blank
- ☐ Equipment blank
- ☐ Other; _____

TD 19.80 DTW 8.70 = 11.1 x Gal/Linear Foot .17 = 1.89 x Number of Casings 3 = Calculated Purge 5.66

DATE PURGED: 6-17-99 START: 10:17 END (2400 hr): _____ PURGED BY: RE

DATE SAMPLED: 6-17-99 START: 10:25 END (2400 hr): _____ SAMPLED BY: RE

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 2 5°C)	TEMPERATURE (° F)	COLOR	TURBIDITY	ODOR
10:17	1.75	8.14	1060	60.4	Cloudy	Mod	Mod
10:20	3.5	7.88	1050	60.6	Cloudy	Mod	Mod
10:23	5.25	7.76	1050	60.7	Cloudy	Mod	Mod

Cobalt 0-100: Clear, Cloudy, Yellow, Brown
NTU 0-200: Heavy, Moderate, Light, Trace
Strong: Moderate, Faint, None

Pumped dry Yes / (NO)

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

DTW: _____ TOB/TOC _____

PURGING EQUIPMENT/I.D. #
- ☐ Bailer: _____
- ☒ Centrifugal Pump: 15
- ☐ Other: _____
- ☐ Airlift Pump: _____
- ☐ Dedicated: _____

SAMPLING EQUIPMENT/I.D. #
- ☒ Bailer: 15-13
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW-1	6-17-99	10:25	3	40ml	VOA	HCL	TPHG / BTEX / MTBE
			2	1L	AMB	NP	TPHD, TPHMO

REMARKS: DUP

FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 360014.28 LOCATION: 2901 Glascock St WELL ID #: MW-2

CLIENT/STATION No.: Former Dorpac Site FIELD TECHNICIAN: Pedro Ruiz

WELL INFORMATION

Depth to Liquid: _____ TOB _____ TOC
Depth to water: _____ TOB _____ TOC
Total depth: _____ TOB _____ TOC
Date: _____ Time (2400): _____

Probe Type and I.D. #
- ☐ Oil/Water interface _____
- ☐ Electronic indicator _____
- ☐ Other; _____

CASING DIAMETER		GAL/ LINEAR FT.
☒	2	0.17
☐	3	0.38
☐	4	0.66
☐	4.5	0.83
☐	5	1.02
☐	6	1.5
☐	8	2.6

SAMPLE TYPE
- ☒ Groundwater
- ☐ Duplicate
- ☐ Extraction well
- ☐ Trip blank
- ☐ Field blank
- ☐ Equipment blank
- ☐ Other; _____

TD 19.75 - DTW 7.10 = 12.65 x Gal/Linear Foot .17 = 2.15 x Number of Casings 3 = Calculated Purge 6.45

DATE PURGED: 6-17-99 START: 10:35 END (2400 hr): _____ PURGED BY: PE

DATE SAMPLED: 6-17-99 START: 10:50 END (2400 hr): _____ SAMPLED BY: PE

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
10:38	2	7.90	1380	62.0	Cloudy	Mod	Mod
10:41	4	7.85	1400	61.9	Cloudy	Mod	Mod
10:44	6	7.72	1400	61.8	Cloudy	Mod	Mod

Color: Cobalt 0-100, Clear, Cloudy, Yellow, Brown
Turbidity: NTU 0-200, Heavy, Moderate, Light, Trace
Odor: Strong, Moderate, Faint, None

Pumped dry Yes / (No)

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

DTW: _____ TOB/TOC _____

PURGING EQUIPMENT/I.D. #
- ☐ Bailer: _____
- ☐ Airlift Pump: _____
- ☒ Centrifugal Pump: 15
- ☐ Dedicated: _____
- ☐ Other: _____

SAMPLING EQUIPMENT/I.D. #
- ☒ Bailer: 15-19
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW-2	6-17-99	10:50	3	40ml	VOA	HCL	TPHG / BTEX / MTBE
			2	1L	Amb	NP	TPHD, TPHmo

REMARKS: DO 2.2

FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 360019.2B LOCATION: 2901 Glascock St WELL ID #: MW-3

CLIENT/STATION No.: Former Dorpoliergate FIELD TECHNICIAN: Pedro Ruiz

WELL INFORMATION

Depth to Liquid: _____ TOB _____ TOC
Depth to water: _____ TOB _____ TOC
Total depth: _____ TOB _____ TOC
Date: _____ Time (2400): _____

Probe Type and I.D. #
- ☐ Oil/Water interface _____
- ☐ Electronic indicator _____
- ☐ Other; _____

CASING DIAMETER		GAL/ LINEAR FT.
☒	2	0.17
☐	3	0.38
☐	4	0.66
☐	4.5	0.83
☐	5	1.02
☐	6	1.5
☐	8	2.6

SAMPLE TYPE
- ☒ Groundwater
- ☐ Duplicate
- ☐ Extraction well
- ☐ Trip blank
- ☐ Field blank
- ☐ Equipment blank
- ☐ Other; _____

TD 19.80 DTW 6.60 = 13.2 x Gal/Linear Foot .17 = 2.24 x Number of Casings 3 = Calculated Purge 6.73

DATE PURGED: 6-17-99 START: 8:55 END (2400 hr): _____ PURGED BY: PE

DATE SAMPLED: 6-17-99 START: 9:10 END (2400 hr): _____ SAMPLED BY: PE

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
8:38	2.25	7.38	1070	61.1	Cloudy	Mod	Faint
9:01	4.5	7.02	1080	61.8	Cloudy	Mod	Faint
9:04	6.76	7.15	1080	61.5	Cloudy	Mod	Faint

Color: Cobalt 0-100, Clear, Cloudy, Yellow, Brown
Turbidity: NTU 0-200, Heavy, Moderate, Light, Trace
Odor: Strong, Moderate, Faint, None

Pumped dry Yes / (No)

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

DTW: _____ TOB/TOC _____

PURGING EQUIPMENT/I.D. #
- ☐ Bailer: _____
- ☐ Airlift Pump: _____
- ☒ Centrifugal Pump: 15
- ☐ Dedicated: _____
- ☐ Other: _____

SAMPLING EQUIPMENT/I.D. #
- ☒ Bailer: 15-17
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW3	6-17-99	9:10	3	40ml	VOA	HCL	TPHG / BTEX / MTBE
			2	1L	AMB	NP	TPHD, TPHmo

REMARKS: DO

PACIFIC

FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 36001428 LOCATION: 2901 Blaycock St WELL ID #: MW-4

CLIENT/STATION No.: Former Dorpoliver site FIELD TECHNICIAN: Pedro Ruiz

WELL INFORMATION

Depth to Liquid: _____ TOB _____ TOC
Depth to water: _____ TOB _____ TOC
Total depth: _____ TOB _____ TOC
Date: _____ Time (2400): _____

Probe Type and I.D. #
- ☐ Oil/Water interface _____
- ☐ Electronic indicator _____
- ☐ Other; _____

CASING DIAMETER		GAL/ LINEAR FT.
☒	2	0.17
☐	3	0.38
☐	4	0.66
☐	4.5	0.83
☐	5	1.02
☐	6	1.5
☐	8	2.6

SAMPLE TYPE
- ☒ Groundwater
- ☐ Duplicate
- ☐ Extraction well
- ☐ Trip blank
- ☐ Field blank
- ☐ Equipment blank
- ☐ Other; _____

TD 19.70 DTW 8.26 = 11.46 x Gal/Linear Foot .17 = 1.94 x Number of Casings 3 = Calculated Purge 5.83

DATE PURGED: 6-17-99 START: 9:14 END (2400 hr): — PURGED BY: PE

DATE SAMPLED: 6-17-99 START: 8:26 END (2400 hr): — SAMPLED BY: PE

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (° F)	COLOR	TURBIDITY	ODOR
9:17	2	7.75	719	61.7	Cloudy	Light	None
9:20	4	7.70	710	61.4	Cloudy	Light	None
9:23	6	7.65	710	61.2	Cloudy	Light	None

Color: Cobalt 0-100, Clear, Cloudy, Yellow, Brown
Turbidity: NTU 0-200, Heavy, Moderate, Light, Trace
Odor: Strong, Moderate, Faint, None

Pumped dry Yes / (No)

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

DTW: _____ TOB/TOC _____

PURGING EQUIPMENT/I.D. #
- ☐ Bailer: _____
- ☒ Centrifugal Pump: 15
- ☐ Other: _____
- ☐ Airlift Pump: _____
- ☐ Dedicated: _____

SAMPLING EQUIPMENT/I.D. #
- ☒ Bailer: 15-
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW-4	6-17-99	9:25	3	40ml	VOA	HCL	TPHG / BTEX / MTBE
			2	1L	AMB	NP	TPHD, TPHmo

REMARKS: DO

FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 360014.28 LOCATION: 2901 Blaycock St WELL ID #: MW-6

CLIENT/STATION No.: Former Doppler Site FIELD TECHNICIAN: Pedro Ruiz

WELL INFORMATION

Depth to Liquid: _____ TOB _____ TOC
Depth to water: _____ TOB _____ TOC
Total depth: _____ TOB _____ TOC
Date: _____ Time (2400): _____

Probe Type and I.D. #
- ☐ Oil/Water interface _____
- ☐ Electronic indicator _____
- ☐ Other; _____

CASING DIAMETER	GAL/ LINEAR FT.
☒ 2	0.17
☐ 3	0.38
☐ 4	0.66
☐ 4.5	0.83
☐ 5	1.02
☐ 6	1.5
☐ 8	2.6

SAMPLE TYPE
- ☒ Groundwater
- ☐ Duplicate
- ☐ Extraction well
- ☐ Trip blank
- ☐ Field blank
- ☐ Equipment blank
- ☐ Other; _____

TD 19.50 DTW 11.05 = 8.45 x Gal/Linear Foot .17 = 1.43 x Number of Casings 3 = Calculated Purge 4.30

DATE PURGED: 6-17-99 START: 9:51 END (2400 hr): _____ PURGED BY: PE

DATE SAMPLED: 6-17-99 START: 10:05 END (2400 hr): _____ SAMPLED BY: PE

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 2 5°C)	TEMPERATURE (° F)	COLOR	TURBIDITY	ODOR
9:54	1.5	7.81	1220	59.4	Brn	Heavy	Strong
9:58	3	7.89	1000	59.3	Brn	Mod	Strong
10:01	4.5	7.83	1200	59.4	Brn	Mod	Strong

Pumped dry Yes / (No)

Cobalt 0-100, Clear, Cloudy, Yellow, Brown | NTU 0-200, Heavy, Moderate, Light, Trace | Strong, Moderate, Faint, None

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

DTW: _____ TOB/TOC _____

PURGING EQUIPMENT/I.D. #
- ☐ Bailer: _____
- ☒ Centrifugal Pump: 15
- ☐ Other: _____
- ☐ Airlift Pump: _____
- ☐ Dedicated: _____

SAMPLING EQUIPMENT/I.D. #
- ☒ Bailer: 15-
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW6	6-17-99	10:05	3	40ml	VOA	HCL	TPHG / BTEX / MTBE
			2	1L	AMB	NP	TPHD, TPHMO

REMARKS: DUP Heavy sooty spot sheen floating on top of H2O

FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 36001928 LOCATION: 2901 Glycock St WELL ID #: MW-7

CLIENT/STATION No.: Former Dupont Site FIELD TECHNICIAN: Pedro Ruiz

WELL INFORMATION

Depth to Liquid: _____ TOB _____ TOC
Depth to water: _____ TOB _____ TOC
Total depth: _____ TOB _____ TOC
Date: _____ Time (2400): _____

Probe Type and I.D. #
- ☐ Oil/Water interface _____
- ☐ Electronic indicator _____
- ☐ Other; _____

CASING DIAMETER		GAL/ LINEAR FT.
☒	2	0.17
☐	3	0.38
☐	4	0.66
☐	4.5	0.83
☐	5	1.02
☐	6	1.5
☐	8	2.6

SAMPLE TYPE
- ☒ Groundwater
- ☐ Duplicate
- ☐ Extraction well
- ☐ Trip blank
- ☐ Field blank
- ☐ Equipment blank
- ☐ Other; _____

TD 17.75 - DTW 4.85 = 12.9 x Gal/Linear Foot .17 = 2.19 x Number of Casings 3 = Calculated Purge 6.57

DATE PURGED: 6-17-99 START: 8:39 END (2400 hr): — PURGED BY: PE

DATE SAMPLED: 6-17-99 START: 8:50 END (2400 hr): — SAMPLED BY: PE

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm @ 25°C)	TEMPERATURE (° F)	COLOR	TURBIDITY	ODOR
8:42	2.25	6.88	1200	62.0	Cloudy	Mod	None
8:45	4.5	6.76	1180	62.3	Cloudy	Mod	None
8:48	6.75	6.70	1170	62.3	Cloudy	Mod	None

Pumped dry Yes / (No)

Cobalt 0-100: Clear, Cloudy, Yellow, Brown
NTU 0-200: Heavy, Moderate, Light, Trace
Strong, Moderate, Faint, None

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

DTW: _____ TOB/TOC _____

PURGING EQUIPMENT/I.D. #
- ☐ Bailer: _____
- ☒ Centrifugal Pump: 15
- ☐ Airlift Pump: _____
- ☐ Dedicated: _____
- ☐ Other: _____

SAMPLING EQUIPMENT/I.D. #
- ☒ Bailer: 15-11
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW-7	6-17-99	8:50	3	40ml	VOA	HCL	TPHG / BTEX / MTBE
			2	1L	Amb	NP	TPHD, TPHmo

REMARKS: DO

PACIFIC

FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 360019.2B LOCATION: 2901 Blaycock St WELL ID #: MW-8

CLIENT/STATION No.: Former Dupont Site FIELD TECHNICIAN: Pedro Ruiz

WELL INFORMATION

Depth to Liquid: _____ TOB _____ TOC
Depth to water: _____ TOB _____ TOC
Total depth: _____ TOB _____ TOC
Date: _____ Time (2400): _____

Probe Type and I.D. #
- ☐ Oil/Water interface _____
- ☐ Electronic indicator _____
- ☐ Other; _____

CASING DIAMETER		GAL/ LINEAR FT.
☒	2	0.17
☐	3	0.38
☐	4	0.66
☐	4.5	0.83
☐	5	1.02
☐	6	1.5
☐	8	2.6

SAMPLE TYPE
- ☒ Groundwater
- ☐ Duplicate
- ☐ Extraction well
- ☐ Trip blank
- ☐ Field blank
- ☐ Equipment blank
- ☐ Other; _____

TD 17.70 DTW 10.55 = 7.15 x Gal/Linear Foot .17 = 1.21 x Number of Casings 3 = Calculated Purge 3.64

DATE PURGED: 6-17-99 START: 9:35 END (2400 hr): _____ PURGED BY: PE

DATE SAMPLED: 6-17-99 START: 9:45 END (2400 hr): _____ SAMPLED BY: PE

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 2 5°C)	TEMPERATURE (° F)	COLOR	TURBIDITY	ODOR
9:37	1.20	7.86	1850	60.4	Cloudy	Mod	None
9:40	2.5	7.83	1860	60.2	Cloudy	Mod	None
9:43	3.75	7.80	1870	60.2	Cloudy	Mod	None

Color: Cobalt 0-100, Clear, Cloudy, Yellow, Brown
Turbidity: NTU 0-200, Heavy, Moderate, Light, Trace
Odor: Strong, Moderate, Faint, None

Pumped dry Yes / (No)

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

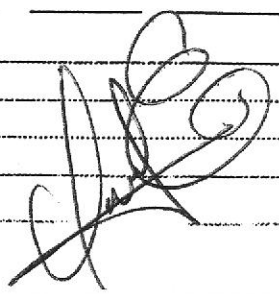
DTW: _____ TOB/TOC _____

PURGING EQUIPMENT/I.D. #
- ☐ Bailer: _____
- ☒ Centrifugal Pump: 15
- ☐ Other: _____
- ☐ Airlift Pump: _____
- ☐ Dedicated: _____

SAMPLING EQUIPMENT/I.D. #
- ☒ Bailer: 15-10
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW8	6-17-99	9:45	3	40ml	VOA	HCL	TPHG / BTEX / MTBE
			2	1L	Amb	NP	TPHD, TPHmo

REMARKS: DO



Pacific Environmental Group, Inc.
2025 Gateway Place #440, San Jose CA 95110
Phone 408 441 7790 Fax 408 441 7539

Chain of Custody

PROJECT No. 36001423	
Facility No: For. Dor Oliver Site	Facility Address: 2901 Glascock St Oakland CA
CLIENT engineer: Dennis Buran	PACIFIC Point of Contact: Andrew Lehane
Billing Refence Number: 763	Sampler: Pedro E Ruiz
Laboratory Name: Sequoia	

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water, S=soil, A=air)	Type (G=grab, D=disc., C=comp.)	Sampling Date	Sampling Time	BTEX/VPHgas (8015/8020) MTBE	TPH Diesel (8015)	Oil and Grease (5520)	Total Dislvd. Metals	VOC (EPA 624/8240)	SVOC (EPA 627/8270)	HVOC (EPA 601/8010)	Fuel Fingerprint as Diesel & Motor oil				Comments:
MW-1	5	40/1L	HCL NP	W	G	6-17-99	10:25	X							X				Fuel fingerprint as Diesel & Motor oil w/ filtration by 0.7 micron TCLP glass filter followed by silica gel cleanup of extract by EPA Method 3630B without Solvent exchange
MW2	↓	↓	↓	↓	↓	↓	10:50	↓							↓				
MW3	↓	↓	↓	↓	↓	↓	9:10	↓							↓				
MW4	↓	↓	↓	↓	↓	↓	9:25	↓							↓				
MW6	↓	↓	↓	↓	↓	↓	10:05	↓							↓				
MW7	↓	↓	↓	↓	↓	↓	8:50	↓							↓				
MW8	↓	↓	↓	↓	↓	↓	9:45	↓							↓				

Condition of Sample:

Temperature Received:

Relinquished by	Date	Time	Received by	Date	Time
[signature]	6-17-99	13:30			
Relinquished by			Received by		
Relinquished by			Received by		
Relinquished by			Received by laboratory		

Mail original Analytical Report to:
Pacific Environmental Group

- [X] 2025 Gateway Place #440, San Jose, CA 95110
- [ ] 620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523
- [ ] 25725 Jeronimo Rd. #576C, Mission Viejo, CA 92622
- [ ] 4020 148th Ave NE #B, Redmond, WA 98052

Turnaround Time:

- [ ] Priority Rush (1 day)
- [ ] Rush (2 days)
- [ ] Expedited (5 days)
- [X] Standard (10 days)
- [ ] As Contracted

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308

July 16, 1999

Dennis Buran
Pacific Environmental Group (Shell)
2025 Gateway Place, Ste 440
San Jose, CA 95110

RE: Shell 2901 Glascock St. Oakland/M906772

Dear Dennis Buran

Enclosed are the results of analyses for sample(s) received by the laboratory on June 21, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kayvan Kimyai
Project Manager D.M.

CA ELAP Certificate Number 1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308

Pacific Environmental Group (Shell)	Project:	Shell	Sampled: 6/17/99
2025 Gateway Place, Ste 440	Project Number:	2901 Glascock St., Oakland	Received: 6/21/99
San Jose, CA 95110	Project Manager:	Dennis Buran	Reported: 7/16/99

ANALYTICAL REPORT FOR M906772

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	M906772-01	Water	6/17/99
MW-2	M906772-02	Water	6/17/99
MW-3	M906772-03	Water	6/17/99
MW-4	M906772-04	Water	6/17/99
MW-6	M906772-05	Water	6/17/99
MW-7	M906772-06	Water	6/17/99
MW-8	M906772-07	Water	6/17/99

Sequoia Analytical

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Pacific Environmental Group (Shell)	Project:	Shell	Sampled: 6/17/99
2025 Gateway Place, Ste 440	Project Number:	2901 Glascock St., Oakland	Received: 6/21/99
San Jose, CA 95110	Project Manager:	Dennis Buran	Reported: 7/16/99

Diesel Hydrocarbons (C9-C24) with Silica Gel Cleanup by DHS LUFT
Sequoia Analytical - Morgan Hill

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**M906772-01**				**Water**	
Diesel Range Hydrocarbons	9060523	6/28/99	7/15/99		0.0500	**1.92**	mg/l	1
Surrogate: n-Pentacosane	"	"	"	*40.0-140*		*82.9*	%	
MW-2			**M906772-02**				**Water**	
Diesel Range Hydrocarbons	9060523	6/28/99	7/15/99		0.0500	ND	mg/l	
Surrogate: n-Pentacosane	"	"	"	*40.0-140*		*96.0*	%	
MW-3			**M906772-03**				**Water**	
Diesel Range Hydrocarbons	9060523	6/28/99	7/15/99		0.0500	**0.325**	mg/l	1
Surrogate: n-Pentacosane	"	"	"	*40.0-140*		*81.3*	%	
MW-4			**M906772-04**				**Water**	
Diesel Range Hydrocarbons	9060523	6/28/99	7/15/99		0.0500	ND	mg/l	
Surrogate: n-Pentacosane	"	"	"	*40.0-140*		*86.6*	%	
MW-6			**M906772-05**				**Water**	
Diesel Range Hydrocarbons	9060530	6/30/99	7/15/99		0.0500	**1.46**	mg/l	3
Surrogate: n-Pentacosane	"	"	"	*40.0-140*		*76.5*	%	
MW-7			**M906772-06**				**Water**	
Diesel Range Hydrocarbons	9060530	6/30/99	7/15/99		0.0500	**0.0537**	mg/l	1
Surrogate: n-Pentacosane	"	"	"	*40.0-140*		*83.1*	%	
MW-8			**M906772-07**				**Water**	
Diesel Range Hydrocarbons	9060530	6/30/99	7/15/27		0.500	**10.4**	mg/l	1
Surrogate: n-Pentacosane	"	"	"	*40.0-140*		*136*	%	

Sequoia Analytical

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Pacific Environmental Group (Shell)	Project:	Shell	Sampled: 6/17/99
2025 Gateway Place, Ste 440	Project Number:	2901 Glascock St., Oakland	Received: 6/21/99
San Jose, CA 95110	Project Manager:	Dennis Buran	Reported: 7/16/99

Hydrocarbons as Motor Oil by DHS LUFT
Sequoia Analytical - Morgan Hill

w/o cleanup

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**M906772-01**				**Water**	
Motor Oil (C16-C36)	9060523	6/28/99	7/7/99		1.00	**2.77**	mg/l	4
Diesel Range Hydrocarbons	"	"	"		0.100	**3.86**	"	1
Surrogate: n-Pentacosane	"	"	"	*50.0-150*		*129*	%	
MW-2			**M906772-02**				**Water**	
Motor Oil (C16-C36)	9060523	6/28/99	7/8/99		0.500	ND	mg/l	
Diesel Range Hydrocarbons	"	"	"		0.0500	ND	"	
Surrogate: n-Pentacosane	"	"	"	*50.0-150*		*96.2*	%	
MW-3			**M906772-03**				**Water**	
Motor Oil (C16-C36)	9060523	6/28/99	7/7/99		0.500	**0.516**	mg/l	4
Diesel Range Hydrocarbons	"	"	"		0.0500	**0.706**	"	1
Surrogate: n-Pentacosane	"	"	"	*50.0-150*		*85.5*	%	
MW-4			**M906772-04**				**Water**	
Motor Oil (C16-C36)	9060523	6/28/99	7/7/99		0.500	ND	mg/l	
Diesel Range Hydrocarbons	"	"	"		0.0500	**0.104**	"	1
Surrogate: n-Pentacosane	"	"	"	*50.0-150*		*91.8*	%	
MW-6			**M906772-05**				**Water**	
Motor Oil (C16-C36)	9060530	6/30/99	7/8/99		1.00	**7.09**	mg/l	4
Diesel Range Hydrocarbons	"	"	"		0.100	**3.58**	"	5
Surrogate: n-Pentacosane	"	"	"	*50.0-150*		*123*	%	
MW-7			**M906772-06**				**Water**	
Motor Oil (C16-C36)	9060530	6/30/99	7/7/99		0.500	ND	mg/l	
Diesel Range Hydrocarbons	"	"	"		0.0500	**0.0795**	"	1
Surrogate: n-Pentacosane	"	"	"	*50.0-150*		*98.5*	%	
MW-8			**M906772-07**				**Water**	
Motor Oil (C16-C36)	9060530	6/30/99	7/7/99		4.00	**12.7**	mg/l	4
Diesel Range Hydrocarbons	"	"	"		0.400	**13.9**	"	1
Surrogate: n-Pentacosane	"	"	"	*50.0-150*		*158*	%	6

Sequoia Analytical

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Pacific Environmental Group (Shell)	Project:	Shell	Sampled: 6/17/99
2025 Gateway Place, Ste 440	Project Number:	2901 Glascock St., Oakland	Received: 6/21/99
San Jose, CA 95110	Project Manager:	Dennis Buran	Reported: 7/16/99

Diesel Hydrocarbons (C9-C24) with Silica Gel Cleanup by DHS LUFT/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9060523	**Date Prepared: 6/28/99**				**Extraction Method: EPA 3510B**					
Blank	**9060523-BLK2**									
Diesel Range Hydrocarbons	7/15/99			**ND**	mg/l	**0.0500**				
Surrogate: n-Pentacosane	"	*0.100*		*0.0690*	"	*40.0-140*	*69.0*			
LCS	**9060523-BS2**									
Diesel Range Hydrocarbons	7/15/99			0.766	mg/l	40.0-140				
Surrogate: n-Pentacosane	"	*0.100*		*0.0795*	"	*40.0-140*	*79.5*			
Batch: 9060530	**Date Prepared: 6/30/99**				**Extraction Method: EPA 3520B**					
Blank	**9060530-BLK2**									
Diesel Range Hydrocarbons	7/15/99			**ND**	mg/l	**0.0500**				
Surrogate: n-Pentacosane	"	*0.100*		*0.0593*	"	*40.0-140*	*59.3*			
LCS	**9060530-BS2**									
Diesel Range Hydrocarbons	7/15/99			0.750	mg/l	40.0-140				
Surrogate: n-Pentacosane	"	*0.100*		*0.0802*	"	*40.0-140*	*80.2*			

Sequoia Analytical

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Pacific Environmental Group (Shell)	Project:	Shell	Sampled: 6/17/99
2025 Gateway Place, Ste 440	Project Number:	2901 Glascock St., Oakland	Received: 6/21/99
San Jose, CA 95110	Project Manager:	Dennis Buran	Reported: 7/16/99

Notes and Definitions

#	Note
1	Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
3	Chromatogram Pattern: Weathered Diesel C9-24 + Unidentified Hydrocarbons [C15-C24]
4	Chromatogram Pattern: Unidentified Hydrocarbon C16-C36.
5	Chromatogram Pattern: Weathered Diesel C9-24 + Unidentified Hydrocarbons [C12-C24]
6	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

Sequoia Analytical

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FAX (650) 232-9612

July 12, 1999

Kayvan Kimyai
Sequoia - Morgan Hill
885 Jarvis Drive
Morgan Hill, CA 95037

RE: 1/L906338

Dear Kayvan Kimyai:

Enclosed are the results of analyses for sample(s) received by the laboratory on June 29, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

for Wayne Stevenson
Project Manager

CA ELAP Certificate Number I-2360

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
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Sequoia - Morgan Hill	Project: 1	Sampled: 6/17/99
885 Jarvis Drive	Project Number: M906772	Received: 6/29/99
Morgan Hill, CA 95037	Project Manager: Kayvan Kimyai	Reported: 7/12/99

ANALYTICAL REPORT FOR L906338

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
M906772-01	L906338-01	Water	6/17/99
M906772-02	L906338-02	Water	6/17/99
M906772-03	L906338-03	Water	6/17/99
M906772-04	L906338-04	Water	6/17/99
M906772-05	L906338-05	Water	6/17/99
M906772-06	L906338-06	Water	6/17/99
M906772-07	L906338-07	Water	6/17/99

Sequoia Analytical

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Sequoia - Morgan Hill	Project:	1	Sampled: 6/17/99
885 Jarvis Drive	Project Number:	M906772	Received: 6/29/99
Morgan Hill, CA 95037	Project Manager:	Kayvan Kimyai	Reported: 7/12/99

Sample Description: **M906772-01**
Laboratory Sample Number: **L906338-01**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9070002	7/1/99	7/1/99		50.0	**133**	ug/l	1
Benzene	"	"	"		0.500	**3.27**	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	**11.9**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*91.7*	%	

Sequoia Analytical

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Sequoia - Morgan Hill	Project:	1	Sampled: 6/17/99
885 Jarvis Drive	Project Number:	M906772	Received: 6/29/99
Morgan Hill, CA 95037	Project Manager:	Kayvan Kimyai	Reported: 7/12/99

Sample Description: **M906772-02**
Laboratory Sample Number: **L906338-02**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9070002	7/1/99	7/1/99		250	**525**	ug/l	1
Benzene	"	"	"		2.50	ND	"	
Toluene	"	"	"		2.50	ND	"	
Ethylbenzene	"	"	"		2.50	ND	"	
Xylenes (total)	"	"	"		2.50	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*105*	*%*	

Sequoia Analytical

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Sequoia - Morgan Hill	Project:	1	Sampled: 6/17/99
885 Jarvis Drive	Project Number:	M906772	Received: 6/29/99
Morgan Hill, CA 95037	Project Manager:	Kayvan Kimyai	Reported: 7/12/99

Sample Description: **M906772-03**
Laboratory Sample Number: **L906338-03**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9070002	7/1/99	7/1/99		50.0	**72.0**	ug/l	1
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	**0.696**	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	*"*	*"*	*"*	*70.0-130*		*95.8*	*%*	

Sequoia Analytical

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Sequoia - Morgan Hill	Project:	1	Sampled: 6/17/99
885 Jarvis Drive	Project Number:	M906772	Received: 6/29/99
Morgan Hill, CA 95037	Project Manager:	Kayvan Kimyai	Reported: 7/12/99

Sample Description: **M906772-04**
Laboratory Sample Number: **L906338-04**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9060162	6/29/99	6/30/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*84.0*	%	

Sequoia Analytical

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Sequoia - Morgan Hill	Project:	1	Sampled: 6/17/99
885 Jarvis Drive	Project Number:	M906772	Received: 6/29/99
Morgan Hill, CA 95037	Project Manager:	Kayvan Kimyai	Reported: 7/12/99

Sample Description: **M906772-05**
Laboratory Sample Number: **L906338-05**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9070002	7/1/99	7/1/99		50.0	**504**	ug/l	1
Benzene	"	"	"		0.500	**4.56**	"	
Toluene	"	"	"		0.500	**0.863**	"	
Ethylbenzene	"	"	"		0.500	**0.573**	"	
Xylenes (total)	"	"	"		0.500	**1.20**	"	
Methyl tert-butyl ether	"	"	"		5.00	**9.85**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*98.9*	%	

Sequoia Analytical

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Sequoia - Morgan Hill	Project:	1	Sampled: 6/17/99
885 Jarvis Drive	Project Number:	M906772	Received: 6/29/99
Morgan Hill, CA 95037	Project Manager:	Kayvan Kimyai	Reported: 7/12/99

Sample Description: **M906772-06**
Laboratory Sample Number: **L906338-06**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9070002	7/1/99	7/1/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	**59.1**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*98.3*	%	

Sequoia Analytical

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Sequoia - Morgan Hill	Project:	1	Sampled: 6/17/99
885 Jarvis Drive	Project Number:	M906772	Received: 6/29/99
Morgan Hill, CA 95037	Project Manager:	Kayvan Kimyai	Reported: 7/12/99

Sample Description: **M906772-07**
Laboratory Sample Number: **L906338-07**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9070002	7/1/99	7/1/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*98.7*	%	

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Sequoia - Morgan Hill	Project: 1	Sampled: 6/17/99
885 Jarvis Drive	Project Number: M906772	Received: 6/29/99
Morgan Hill, CA 95037	Project Manager: Kayvan Kimyai	Reported: 7/12/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9060162	**Date Prepared: 6/29/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9060162-BLK1**									
Purgeable Hydrocarbons as Gasoline	6/29/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.30*	"	*70.0-130*	*93.0*			
LCS	**9060162-BS1**									
Purgeable Hydrocarbons as Gasoline	6/29/99	250		238	ug/l	70.0-130	95.2			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.89*	"	*70.0-130*	*98.9*			
Matrix Spike	**9060162-MS1**		**L906296-07**							
Purgeable Hydrocarbons as Gasoline	6/29/99	250	144	334	ug/l	60.0-140	**76.0**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.66*	"	*70.0-130*	*96.6*			
Matrix Spike Dup	**9060162-MSD1**		**L906296-07**							
Purgeable Hydrocarbons as Gasoline	6/29/99	250	144	314	ug/l	60.0-140	**68.0**	25.0	**11.1**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.16*	"	*70.0-130*	*91.6*			
Batch: 9070002	**Date Prepared: 7/1/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9070002-BLK1**									
Purgeable Hydrocarbons as Gasoline	7/1/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"			*10.7*	"	*70.0-130*				
LCS	**9070002-BS1**									
Purgeable Hydrocarbons as Gasoline	7/1/99	250		227	ug/l	70.0-130	90.8			
Surrogate: a,a,a-Trifluorotoluene	"			*10.4*	"	*70.0-130*				
Matrix Spike	**9070002-MS1**		**L906296-05**							
Purgeable Hydrocarbons as Gasoline	7/2/99	250	ND	222	ug/l	60.0-140	**88.8**			
Surrogate: a,a,a-Trifluorotoluene	"			*9.66*	"	*70.0-130*				
Matrix Spike Dup	**9070002-MSD1**		**L906296-05**							
Purgeable Hydrocarbons as Gasoline	7/2/99	250	ND	208	ug/l	60.0-140	**83.2**	25.0	**6.51**	

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Sequoia - Morgan Hill	Project:	1	Sampled: 6/17/99
885 Jarvis Drive	Project Number:	M906772	Received: 6/29/99
Morgan Hill, CA 95037	Project Manager:	Kayvan Kimyai	Reported: 7/12/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup (continued)	**9070002-MSD1**		**L906296-05**							
Surrogate: a,a,a-Trifluorotoluene	*7/2/99*			*8.66*	*ug/l*	*70.0-130*				

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Sequoia - Morgan Hill	Project:	1	Sampled: 6/17/99
885 Jarvis Drive	Project Number:	M906772	Received: 6/29/99
Morgan Hill, CA 95037	Project Manager:	Kayvan Kimyai	Reported: 7/12/99

Notes and Definitions

#	Note
1	Chromatogram Pattern: Gasoline C6-C12
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: Pacific Environment Grp. Inc. WORKORDER: M906772 located in Monday 21/99
REC. BY (PRINT) JR DATE OF LOG-IN:

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s): Present / (Absent) Intact / Broken*
2. Custody Seal #: Put in Remarks Section
3. Chain-of-Custody: (Present) / Absent*
4. Traffic Reports or Packing List: Present / (Absent)
5. Airbill: Airbill / Sticker Present / (Absent)
6. Airbill #:
7. Sample Tags: (Present) / Absent
   Sample Tags #s: (Listed) / Not Listed on Chain-of-C
8. Sample Condition: (Intact) / Broke Leaking*
9. Does information on custody reports, traffic reports and sample tags agree? (Yes) / No*
10. Proper Preservatives used: (Yes) / No*
11. Date Rec. at Lab: 6/21/99
12. Time Rec. at Lab: 12:00
13. Temp Rec. at Lab: 8 °C

Sample in Monday 21/99 C

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION (ETC.)
		MW-1	2 x 1L amb	liq	6/17/99	
		↓	3x voa			
		MW-2				
		↓				
		MW-3				
		↓				
		MW-4				
		↓				
		MW-6				
		↓				
		MW-7				
		↓				
		MW-5				
		↓				

6/21/99 JN

*if Circled, contact Project Manager and attach record of resolution.

Revision 6/18/97
SCFORMS.XLS

Chain of Custody

Pacific Environmental Group, Inc.
2025 Gateway Place #440, San Jose CA 95110
Phone 408 441 7790 Fax 408 441 7539

PROJECT No. 360014 23

Facility No: For. Dor Oliver Site | Facility Address: 2901 Glascock St Oakland CA | Billing Refence Number: 763

CLIENT engineer: Dennis Burn | PACIFIC Point of Contact: Andrew Lehane | Sampler: Pedro E. Ruiz | Laboratory Name: Sequoia

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water S=soil A=air)	Type (G=grab D=disc. C=comp.)	Sampling Date	Sampling Time	BTEX/ VPHgas (8015/ 8020) MTBE	TPH Diesel (8015)	Oil and Grease (5520)	Total Dislvd. Metals	VOC (EPA 624/ 8240)	SVOC (EPA 627/ 8270)	HVOC (EPA 601/ 8010)	Fuel Fingerprint as Diesel & Motor oil			
MW-1	5	40 ml	HCl NP	W	G	6-17-99	10:25	X							X			
MW2	↓	↓	↓	↓	↓	↓	10:50	↓							↓			
MW3	↓	↓	↓	↓	↓	↓	9:10	↓							↓			
MW4	↓	↓	↓	↓	↓	↓	9:25	↓							↓			
MW6	↓	↓	↓	↓	↓	↓	10:05	↓							↓			
MW7	↓	↓	↓	↓	↓	↓	8:50	↓							↓			
MW8	↓	↓	↓	↓	↓	↓	9:45	↓							↓			

Comments:

M906772

Fuel Fingerprint as Diesel & Motor oil w/ filtration by 0.7 Micron TCLP ~~glass~~ filter followed by Silica gel cleanup of Extract by EPA Method 3630B without Solvent Exchange

Condition of Sample: | Temperature Received:

Relinquished by	Date	Time	Received by	Date	Time
[signature]	6-17-99	13:30	[signature]	6/21/99	
[signature]	6/21/99	1225			
			Received by laboratory [signature]	6/21/99	

Mail original ... Redmond, WA 98052

MAKE COPIES FOR ANALYSIS

Turnaround Time:
- Priority Rush (1 day) ☐
- Rush (2 days) ☐
- Expedited (5 days) ☐
- Standard (10 days) ☒
- As Contracted ☐

Chain of Custody

Pacific Environmental Group, Inc.
2025 Gateway Place #440, San Jose CA 95110
Phone 408 441 7730 Fax 408 441 7539

PROJECT No. 360014 2B

Facility No. FOR DORR OLIVER SITE

Facility Address 2901 GLASCOCK ST OAKLAND CA

CLIENT engineer: DENNIS BURAN

PACIFIC Point of Contact ANDREW HELHOUSE

Sampler: GEORGE ROFF

Billing Refence Number: 763

Laboratory Name: SEQUOIA

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water, S=soil, A=air)	Type (G=grab, D=disc., C=comp.)	Sampling Date	Sampling Time	BTEX/VPHgas (8015/8020) MTBE	TPH Diesel (8015)	Oil and Grease (5520)	Total Dislvd. Metals	VOC (EPA 624/8240)	SVOC (EPA 627/8270)	HVOC (EPA 601/8010)	FUEL FINGERPRINT AS DIESEL & MOTOR OIL				Comments:
MW-1	5	40/1L	HCL NO	W	G	6-17-99	10:25	X							X				M906772
MW2	↓	↓	↓	↓	↓	↓	10:50	↓							↓				
MW3	↓	↓	↓	↓	↓	↓	9:10	↓							↓				
MW4	↓	↓	↓	↓	↓	↓	9:25	↓							↓				
MW6	↓	↓	↓	↓	↓	↓	10:05	↓							↓				
MW7	↓	↓	↓	↓	↓	↓	8:50	↓							↓				
MW8	↓	↓	↓	↓	↓	↓	9:15	↓							↓				

MAKE COPIES FOR ANALYSIS

Comments: FUEL FINGERPRINT AS DIESEL & MOTOR OIL w/ FILTRATION BY 0.7 MICRON TCLP GLASS FILTER FOLLOWED BY SILICA GEL CLEANUP OF EXTRACT BY EPA METHOD 3630B WITHOUT SOLVENT EXCHANGE

Condition of Sample:

Temperature Received:

Relinquished by	Date	Time	Received by	Date	Time
[signature]	6-17-99	13:30	[signature]	6/21/99	935
[signature]	6/21/99	1225			
			Received by laboratory		

Mail original Analytical Report to:
Pacific Environmental Group
- ☒ 2025 Gateway Place #440, San Jose, CA 95110
- ☐ 620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523
- ☐ 25725 Jeronimo Rd. #576C, Mission Viejo, CA 92622
- ☐ 4020 148th Ave NE #B

Turnaround Time:
- ☐ Priority Rush (1 day)
- ☐ Rush (2 days)
- ☐ Expedited (5 days)
- ☒ Standard (10 days)

Sequoia Analytical - Morgan Hill Subcontract Order
M906772

Sending Laboratory	Receiving Laboratory
Sequoia Analytical - Morgan Hill 885 Jarvis Drive Morgan Hill, CA 95037 Phone: 408-776-9600 Fax: 408-782-6308 Project Manager: Kayvan Kimyai	Sequoia Analytical - San Carlos 1551 Industrial Road San Carlos, CA 94070 Phone: 650-232-9600 Fax: 650-232-9612

Subcontract Order Comments

6/21/99 12:00

L 906338

Sample/Analysis Information

Sample Name	Matrix	Sampled/ Expires	Analysis Requested	Due	Lab Number	Container	Comments
M906772-01	Water	6/17/99				A, B (3)	See attached paper work
		7/1/99	TPH-G/B/M	7/6/99	01		SUBOUT TO SAN CARLOS
M906772-02	Water	6/17/99				A, B, C	See attached paper work
		7/1/99	TPH-G/B/M	7/6/99	02		SUBOUT TO SAN CARLOS
M906772-03	Water	6/17/99				A, B, C	See attached paper work
		7/1/99	TPH-G/B/M	7/6/99	03		SUBOUT TO SAN CARLOS
M906772-04	Water	6/17/99				A, B, C	See attached paper work
		7/1/99	TPH-G/B/M	7/6/99	04		SUBOUT TO SAN CARLOS
M906772-05	Water	6/17/99				A, B, C	See attached paper work
		7/1/99	TPH-G/B/M	7/6/99	05		SUBOUT TO SAN CARLOS
M906772-06	Water	6/17/99				A, B, C	See attached paper work
		7/1/99	TPH-G/B/M	7/6/99	06		SUBOUT TO SAN CARLOS
M906772-07	Water	6/17/99				A, B, C	See attached paper work
		7/1/99	TPH-G/B/M	7/6/99	07		SUBOUT TO SAN CARLOS

Released By_____ Date_____ Received By_____ Date_____

1330

Released By_____ Date_____ Received By_____ Date_____