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the i group

#1138

May 11, 2000
Project 805385

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

Re: **Quarterly Report - First Quarter 2000**
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). The following presents results of the first quarter 2000 groundwater monitoring program for the site at 2901 Glascock Street in Oakland, California.

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 March 3, 2000. 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 (TEPH-mo); and methyl tert-butyl ether (MtBE). Figure 1 presents the results of the interpreted water elevation contours and the groundwater analytical results.

GROUNDWATER LEVELS

All monitoring wells exhibited an increase (1.65 to 3.35 feet) in groundwater elevation (Table 1) compared with the prior quarter. The groundwater flow direction continues to be to the south/southwest (toward the Oakland Estuary) at a gradient of approximately 0.020 foot/foot.

GROUNDWATER QUALITY

Table 2 presents the groundwater analytical data. Figure 1 illustrates the groundwater analytical results for TPPH-g, benzene, TEPH-d, and MtBE. Certified analytical results, chain-of-custody documentation, and field data sheets are contained in Attachment A.

No separate-phase hydrocarbons (SPH) were observed in any site monitoring wells this quarter. Detectable concentrations of TPPH-g were reported for samples collected from five of seven wells this quarter, ranging from 84 to 528 micrograms per liter (µg/L) (see Table 2). Benzene was detected in three wells, MW-1, MW-2, and MW-6, at concentrations of 1.99, 1.2, and 4.92 µg/L, respectively. Detectable concentrations of MtBE were reported in groundwater samples from Wells MW-1, MW-6, and MW-7 at concentrations of 9.36, 4.75, and 16.1 µg/L, respectively. The highest concentration of MtBE was in the sample from well MW-7 that is located offsite and upgradient of the subject property.

Total extractable petroleum hydrocarbons in the diesel range (TEPH-d) were reported in groundwater samples from six wells (MW-1, -2, -3, -6, -7, -8) at concentrations between 50.6 to 9,100 µg/L. TEPH-motor oil (TEPH-mo) was detected only in Well MW-2 at a concentration 612 µg/L, respectively.

GROUNDWATER REMEDIATION

In July, 1999 oxygen releasing compounds were placed in five geoprobe holes installed at the site. On September 13, 1999, "socks" containing oxygen releasing compounds (ORC) were installed in wells MW-1, MW-2, and MW-6. The ORC releases oxygen into the water in the well in order to promote growth of naturally occurring biological organisms that degrade petroleum hydrocarbons. Since the ORC program was initiated there have been three rounds of sampling. Recent measurements of dissolved oxygen indicate low dissolved oxygen in each of the three wells. IT recommends that the ORC socks be replaced in second quarter 2000 in order to increase dissolved oxygen levels and stimulate petroleum hydrocarbon degradation.

MW's 1, 2, 6

RESULTS

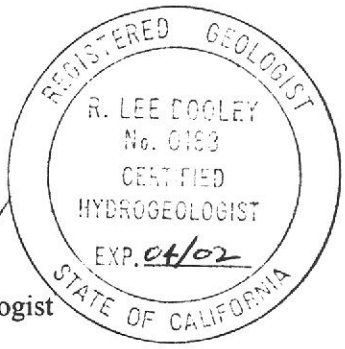
The groundwater analytical results for this quarter indicate a decrease in TPPH-g concentrations for Wells MW-1, MW-2, MW-3, and MW-6. TPPH-g concentrations in Wells MW-2 and MW-6 seem to have returned to concentrations consistent with prior sampling events before December 1999. The reason for the high TPPH-g concentrations in December 1999 samples is uncertain. Groundwater concentrations of BTEX compounds and TEPH-mo were consistent with results from the prior quarter while TEPH-d concentrations rose significantly in most wells.

Concentrations of MtBE are reported for groundwater from an offsite, upgradient monitoring well (MW-7) and in wells downgradient and onsite. Based on the concentrations observed in Well MW-7, it appears that an upgradient, offsite source of MtBE continues to impact monitoring wells at this site.

Sincerely,

IT Corporation

R. Lee Dooley
Certified Hydrogeologist
CHG 0183



Attachments:

Table 1 -	Groundwater Elevation Data
Table 2 -	Groundwater Analytical Data
Table 3	Dissolved Oxygen Field Measurements
Figure 1	Groundwater Monitoring Map, First Quarter 2000
Attachment A	Certified Analytical Reports, Chain-of-Custody Documentation, and Field Data Sheets

cc: Mr. Barney Chan, ACHCSA
bc: Mr. Werner Sicvol, BP Oil Company

Table 1
Groundwater Elevation Data - Fourth Quarter 1999

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
	09/13/99		8.83	1.93
	12/28/99		9.10	1.66
	03/02/00		6.65	4.11
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
	09/13/99		7.66	2.97
	12/28/99		8.25	2.38
	03/02/00		4.90	5.73
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 - Fourth Quarter 1999

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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
	09/13/99		6.85	3.02
	12/28/99		6.72	3.15
	03/02/00		4.70	5.17
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
	09/13/99		8.40	2.24
	12/28/99		8.24	2.40
	03/02/00		5.75	4.89
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
			- well abandoned -	
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

Table 1
Groundwater Elevation Data - Fourth Quarter 1999

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)
	03/27/98		10.10	0.18
	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
	09/13/99		10.63	-0.35
	12/28/99		10.55	-0.27
	03/02/00		8.90	1.38
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
	09/13/99		5.30	4.56
	12/28/99		5.07	4.79
	03/02/00		3.00	6.86
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
	09/13/99		10.38	0.23
	12/28/99		9.80	0.81
	03/02/00		7.76	2.85

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 (1) (µg/L)	TEPH as 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
	09/13/99	523	2.70	ND	ND	ND	493	ND	ND
	12/28/99	574	3.2	ND	ND	1.2	429	ND	55.9
	03/02/00	209	1.99	ND	ND	1.24	4,620	ND	9.36
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
	09/13/99	392	1.28	3.98	ND	1.22	1,380	617	ND
	12/28/99	2,950	ND	ND	ND	ND	963	627	ND
	03/02/00	528	1.2	1.85	ND	0.78	9,100	612	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 (1) (µg/L)	TEPH as Motor Oil (µg/L)	MtBE (µg/L)
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
	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
	09/13/99	80	ND	ND	ND	ND	203	ND	12.7
	12/28/99	331	ND	ND	ND	1.16	314	ND	6.92
	03/02/00	84	ND	ND	ND	ND	1,370	ND	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
	09/13/99	ND	ND	ND	ND	ND	ND	ND	ND
	12/28/99	ND	ND	ND	ND	ND	ND	ND	4.14
	03/02/00	ND	ND	ND	ND	ND	247	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 (1) (µg/L)	TEPH as Motor Oil (µg/L)	MtBE (µg/L)
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
		-- Well Destroyed in September 1996 --							
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
	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
	09/13/99	192	4.74	1.24	ND	3.64	826	694	6.2
	12/28/99	3690	4.4	ND	ND	ND	527	ND	16.2
	03/02/00	336	4.92	1.18	ND	1.89	1,600	ND	4.75
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

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 (1) (µg/L)	TEPH as Motor Oil (µg/L)	MtBE (µg/L)
	06/17/99	ND	ND	ND	ND	ND	53.7 g	ND	59.1
	09/13/99	ND	ND	ND	ND	ND	ND	ND	55.3
	12/28/99	ND	ND	ND	ND	ND	ND	ND	67.6
	03/02/00	ND	ND	ND	ND	ND	334	ND	16.1
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
	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	10,400 g	12,700 d	ND
	09/13/99	ND	ND	ND	ND	ND	ND	ND	ND
	12/28/99	ND	ND	ND	ND	ND	ND	ND	ND
	03/02/00	ND	ND	ND	ND	ND	50.6	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 (1) (µg/L)	TEPH as Motor Oil (µg/L)	MtBE (µg/L)

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

(1) TEPH as diesel analysed with silica gel cleanup
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.

Table 3
Dissolved Oxygen Field Measurements

Former Dorr-Oliver Site
2901 Glascock Street
Oakland, California

	Dissolved Oxygen (mg/L)		
Date Sampled	MW-1	MW-2	MW-6
6/17/99	1.8	2.2	1.6
9/13/99	4.6	2	2.2
12/28/99	8.3	NM (cloudy)	NM (cloudy)
3/2/00	6.2	5.2	1.8

NM: Not Measured

Note: ORC placed in wells 9/13/99.
Measurements taken in the field using a Hach Accuvac Dissolved Oxygen high range (0-15 mg/l) Cat.No. 25150-50.

DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
L. Wahlgren 5-5-00			360-014.2B 805385

PETERSON STREET

GLASCOCK STREET

MW-7
(6.86)
ND / ND / 334 / 16.1

MW-3
(5.17)
84 / ND / 1,370 / ND

APPROXIMATE LIMITS OF BUILDING

OFFICES

FORMER TANK

FORMER TANK

OPEN LOT

MW-2
(5.73)
528 / 1.2 / 9,100 / ND

MW-4
(4.89)
ND / ND / ND / ND

RAMP

MW-1
(4.11)
209 / 1.99 / 4,620 / 9.36

MW-5

FORMER SANDBLAST ROOM

MW-8
(2.85)
ND / ND / 50.6 / ND

MW-6
(1.38)
336 / 4.92 / 1,600 / 4.75

OAKLAND ESTUARY

6.0 5.0 4.0 3.0 2.0

LEGEND

- ◉ GROUNDWATER MONITORING WELL
- ∅ DESTROYED GROUNDWATER MONITORING WELL
- (5.73) GROUNDWATER ELEVATION (FT-MSL); MEASURED 3-2-00
- 528 / 1.2 / 9,100 / ND TPPH-g / BENZENE / TEPH-d / MtBE CONCENTRATION IN GROUNDWATER (PARTS PER BILLION, 3-2-00
- ? GROUNDWATER ELEVATION CONTOUR (FT-MSL)
- ND NOT DETECTED

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

APPROXIMATE GRADIENT = 0.020

SCALE
0 40 80 FEET

IT CORPORATION

GLASCOCK STREET PROPERTIES
FORMER DORR-OLIVER SITE

FIGURE 1
GROUNDWATER ELEVATION CONTOURS FIRST QUARTER 2000
2901 GLASCOCK STREET
OAKLAND, CALIFORNIA

/ N:\cod\Drawings\360\014\Gwc.dwg Thu, 04/May/00 02:54pm LWAHLGREN

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

FIELD SERVICES REQUEST

SITE INFORMATION FORM

[redacted]

Identification

Project # 805385 0100000
Station ID Former Dorr-Olive Site
Site Address: 2901 Glascock St.
Oakland
Lab: Sequoia
County: Alameda
Project Manager: Diane Sarmiento
Requester: Diane Sarmiento
Client: Glascock Street Properties
Client P.O.C: Dennis Buran
Date of Request: ~~December 1, 1997~~ Feb 28, 2000

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~~ Mar.

Site Check Appropriate Category

☒ In Budget Visit
☐ Out of Budget Site Visit

Budget Hours: 8
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-1-4 and MW-6 through 8 (all wells). Request analysis for the following on normal TAT want verbal/fax results 5 days from submittal.:

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

   * 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 Per protocol.

3-02-00

Completed By: [signature] Date: 2-28-00

Pacific Environmental Group, Inc.

FIELD REPORT

DEPTH TO WATER/SEPARATE-PHASE HYDROCARBON SURVEY

PROJECT No.: 805385 LOCATION: 2901 Glascock DATE: 3-2-00

CLIENT/STATION NO: Foroliversite FIELD TECHNICIAN: Pedro E. Ruiz DAY OF WEEK: T/H/U

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	SERARATE-PHASE HYDROCARBONS (SPH) SPH Depth (feet) TOB/TOC	SPH Thickness (feet)	COLOR: Fresh	COLOR: Weathered	COLOR: Gas	COLOR: Oil	VISCOSITY: Lite	VISCOSITY: Medium	VISCOSITY: Heavy	LIQUID REMOVED (gallons) SPH / H_2O
	MW1	7:04	✓	✓	✓	✓	✓	19.80	6.65 / 6.65	6.85 / 6.85										/
	MW2	7:07	✓	✓	✓	✓		19.75	4.90 / 4.90	5.03 / 5.03										/
	MW3	7:08	✓	✓	✓	✓	✓	19.80	4.70 / 4.70	5.06 / 5.00										/
	MW4	7:15	✓	✓	✓	✓	✓	19.70	5.75 / 5.75	6.13 / 6.13										/
	MW6	7:21	✓	✓	✓	✓	✓	19.50	8.90 / 8.90	9.39 / 9.39										/
	MW7	7:05	✓	✓	✓	✓	✓	17.75	3.00 / 3.00	3.12 / 3.12										/
	MW8	7:18	✓	✓	✓	✓	✓	17.70	7.76 / 7.76	8.30 / 8.30										/
									/	/										/
									/	/										/

Comments: ORC's on wells MW 1, 2, 6

FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 805385 LOCATION: 2901 Glascock st Oakland WELL ID #: MW 1

CLIENT/STATION No.: For. Doroliver Site FIELD TECHNICIAN: Pedro E. 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 6.65 = 13.15 x Gal/Linear Foot .17 = 2.23 x Number of Casings 3 = Calculated Purge 6.70

DATE PURGED: 3.2.00 START: 10.07 END (2400 hr): — PURGED BY: RE

DATE SAMPLED: 3.2.00 START: 10:20 END (2400 hr): — SAMPLED BY: RE

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm @ 25°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
10:11	2.25	7.88	1690	57.4	Cloudy	Mod	Mod
10:14	4.5	7.86	1700	58.1	Cloudy	Mod	Mod
10:17	6.75	7.77	1700	58.6	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: _____
- ☐ Airlift Pump: _____
- ☐ Centrifugal Pump: _____
- ☐ Dedicated: _____
- ☐ Other: _____

SAMPLING EQUIPMENT/I.D. #
- ☒ Bailer: 15-7
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW 1	3.2.00	10:20	3	40ml	VOA	HCL	TPH-G BTEX MTBE
			2	1L	Amb	NP	TPH-D TPH-MO

REMARKS: DO: 6.2

SIGNATURE: _____

PACIFIC ENVIRONMENTAL GROUP INC.

FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 805385 LOCATION: 2901 Glascock st OAKLAND WELL ID #: MW2

CLIENT/STATION No.: For. Dorr-oliver Site FIELD TECHNICIAN: Pedro E. 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 4.90 = 14.85 x Gal/Linear Foot .17 = 2.52 x Number of Casings 3 = Calculated Purge 7.57

DATE PURGED: 3.2.00 START: 10:30 END (2400 hr): — PURGED BY: PE

DATE SAMPLED: 3.2.00 START: 10:45 END (2400 hr): — SAMPLED BY: PE

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
10:34	2.5	7.74	2230	57.3	Cloudy	Mod	Mod
10:37	5	7.69	2280	58.5	Cloudy	Mod	Mod
10:40	7.5	7.57	2270	58.6	Cloudy	Mod	Mod

Pumped dry Yes / (No)

COLOR: Cobalt 0-100 Clear Cloudy Yellow Brown — TURBIDITY: NTU 0-200 Heavy Moderate Light Trace — ODOR: Strong Moderate Faint None

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

DTW: ______ TOB/TOC ______

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

SAMPLING EQUIPMENT/I.D. #
- ☒ Bailer: 15-12
- ☐ Dedicated: ______
- ☐ Other: ______

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW2	3.2.00	10:45	3	40ml	VOA	HCL	TPH-G BTEX MTBE
			2	1L	Amb	NP	TPH-D TPH-MO

REMARKS: DO: 5.2 Light SHEEN ON TOP OF WATER

SIGNATURE: [signature]

PACIFIC ENVIRONMENTAL GROUP INC.

FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 805385 LOCATION: 2901 Glascock st OAKLAND WELL ID #: MW3

CLIENT/STATION No.: For Dor-oliver Site FIELD TECHNICIAN: Pedro E. 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 blan
- ☐ Other; _____

TD 1980 - DTW 4.70 = 15.1 x Gal/Linear Foot .17 = 2.56 x Number of Casings 3 = Calculated Purge 7.70

DATE PURGED: 3-2-00 START: 8:04 END (2400 hr): — PURGED BY: PE

DATE SAMPLED: 3-2-00 START: 8:20 END (2400 hr): — SAMPLED BY: PE

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm @ 25°C)	TEMPERATURE (° F)	COLOR	TURBIDITY	ODOR
8:08	2.5	7.62	1610	57.8	Cloudy	Mod	Faint
8:11	5	7.56	1620	58.1	Cloudy	Mod	Faint
8:15	7.5	7.50	1630	59.0	Clear	Mod	Faint

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: _____
- ☐ Airlift Pump: _____
- ☐ Centrifugal Pump: _____
- ☐ Dedicated: _____
- ☐ Other: _____

SAMPLING EQUIPMENT/I.D. #
- ☒ Bailer: 15-3
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW3	3-2-00	8:20	3	40ml	VOA	HCL	TPH-GBTEX-MTBE
			2	1L	Amb	NP	TPH-D TPH-MO

REMARKS: DO: 2.4 Put 3 NEW Bolts ON Well Box

SIGNATURE: _____

PACIFIC ENVIRONMENTAL GROUP INC.

FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 805385 LOCATION: 2901 Glascock st OAKLAND WELL ID #: MW4

CLIENT/STATION No.: For Deroliver Site FIELD TECHNICIAN: Pedro E. 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 5.75 = 13.95 x Gal/Linear Foot .17 = 2.37 x Number of Casings 3 = Calculated Purge 7.11

DATE PURGED: 3.2.00 START: 8:36 END (2400 hr): — PURGED BY: PE

DATE SAMPLED: 3.2.00 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
8:39	2.25	7.81	830	570	Cloudy	Light	None
8:42	4.5	7.71	824	578	Cloudy	Light	None
8:45	6.75	7.70	829	581	Clear	Mod	None

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: _____
- ☐ Airlift Pump: _____
- ☐ Centrifugal Pump: _____
- ☐ Dedicated: _____
- ☐ Other: _____

SAMPLING EQUIPMENT/I.D. #
- ☒ Bailer: 158
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW4	3.2.00	8:50	3	40ml	VOA	HCL	TPH-GBTEX-MTBE
			2	1L	Amb	NP	TPH-D TPH-MO

REMARKS: DO: 5.0

SIGNATURE: _____

PACIFIC ENVIRONMENTAL GROUP INC.

FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 805385 LOCATION: 2901 Glascock st Oakland WELL ID #: MW6

CLIENT/STATION No.: For Dor-oliver Site FIELD TECHNICIAN: Pedro E. 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 blan
- ☐ Other; _____

TD 19.50 DTW 8.90 = 10.60 x Gal/Linear Foot .17 = 1.80 x Number of Casings 3 = Calculated Purge 5.40

DATE PURGED: 3.2.00 START: 9:24 END (2400 hr): — PURGED BY: PE

DATE SAMPLED: 3.2.00 START: 9:45 END (2400 hr): — SAMPLED BY: PE

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm @ 25°C)	TEMPERATURE (° F)	COLOR	TURBIDITY	ODOR
9:29	1.75	7.76	1000	60.8	Cloudy	Mod	Strong
9:34	3.5	7.71	1570	56.1	Cloudy	Mod	Strong
9:39	5.25	7.60	1570	56.0	Cloudy	Mod	Strong

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: _____
- ☐ Airlift Pump: _____
- ☐ Centrifugal Pump: _____
- ☐ Dedicated: _____
- ☐ Other: _____

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

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW6	3.2.00	9:45	3	40ml	VOA	HCL	TPH-G BTEX MTBE
			2	1L	Amb	NP	TPH-D TPH-MO

REMARKS: DO: 1.0 Heavy sporty sheen on water & on top of purge H2O

SIGNATURE: _____

PACIFIC ENVIRONMENTAL GROUP INC.

FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 805385 LOCATION: 2901 Glascock st OAKLAND WELL ID #: MW7

CLIENT/STATION No.: For. Dor-oliver Site FIELD TECHNICIAN: Pedro E. 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 3.00 = 14.75 x Gal/Linear Foot .17 = 2.50 x Number of Casings 3 = Calculated Purge 7.50

DATE PURGED: 3.2.00 START: 7:35 END (2400 hr): — PURGED BY: PE

DATE SAMPLED: 3.2.00 START: 7:50 END (2400 hr): — SAMPLED BY: PE

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm @ 25°C)	TEMPERATURE (° F)	COLOR	TURBIDITY	ODOR
7:39	2.5	7.06	1550	58.2	Clear	Light	None
7:43	5	7.18	1530	58.6	Clear	Light	None
7:47	7.5	7.15	1540	59.0	Clear	Light	None

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:____
- ☐ Airlift Pump:____
- ☐ Centrifugal Pump:____
- ☐ Dedicated:____
- ☐ Other:____

SAMPLING EQUIPMENT/I.D. #
- ☒ Bailer: 15-1
- ☐ Dedicated:____
- ☐ Other:____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW7	3.2.00	7:50	3	40ml	VOA	HCL	TPH-GBTEX-MTBE
			2	1L	Amb	NP	TPH-D TPH-MO

REMARKS: DO: 5.8 Put NEW 1" CAP & LOCK

SIGNATURE:

PACIFIC ENVIRONMENTAL GROUP INC.

FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 805385 LOCATION: 2901 Glascock st Oakland WELL ID #: MW8

CLIENT/STATION No.: For. Dor-oliver Site FIELD TECHNICIAN: Pedro E. 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 blan
- ☐ Other; _____

TD 17.70 DTW 7.76 = 9.94 x Gal/Linear Foot .17 = 1.68 x Number of Casings 3 = Calculated Purge 5.06

DATE PURGED: 3.2.00 START: 9:00 END (2400 hr): — PURGED BY: PE

DATE SAMPLED: 3.2.00 START: 9:15 END (2400 hr): — SAMPLED BY: PE

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm @ 25°C)	TEMPERATURE (° F)	COLOR	TURBIDITY	ODOR
9:04	1.75	7.58	2360	56.8	Cloudy	Mod	None
9:07	3.5	7.61	2400	57.9	Cloudy	Mod	None
9:10	5.25	7.58	2420	58.1	Cloudy	Mod	None

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: _____
- ☐ Airlift Pump: _____
- ☐ Centrifugal Pump: _____
- ☐ Dedicated: _____
- ☐ Other: _____

SAMPLING EQUIPMENT/I.D. #
- ☒ Bailer: 15-9
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW8	3.2.00	9:15	3	40ml	VOA	HCL	TPH-G BTEX MTBE
			2	1L	Amb	NP	TPH-D TPH-MO

REMARKS: DO: 7.0

SIGNATURE: _____

PACIFIC ENVIRONMENTAL GROUP INC.

Chain of Custody

Pacific Environmental Group, Inc.
1921 RINGWOOD AV. San Jose CA 95131
Phone 408 453 7300 Fax 408 437 9526

PROJECT No. 805385

Facility No: TOR. Doe. Oliver Site

Facility Address: 2901 Glascock St OAKLAND CA

Billing Refence Number: 915

CLIENT engineer: DENIS BURAN

PACIFIC Point of Contact: DAVE SARMIA

Sampler: FEDRA 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)	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	40ml VOA	HCl NP	W	G	3/2/00	10:00	X							X
MW-2							10:45								
MW-3							8:20								
MW-4							8:50								
MW6							9:45								
MW-7							7:50								
MW-8							9:15								

Comments:

*TAT. WANT VERBAL/FAX RESULTS 5DAYS FROM SUBMITTAL.

FUEL FINGERPRINT AS DIESEL & MOTOR OIL W/ FILTRATION BY 0.7 MICRON TCLP GLASS FILTER FOLLOWED BY SILICAGEL CLEAN UP OF EXTRACT BY EPA METOD 3630B WITHOUT SOLVENT EXCHANGE

Condition of Sample:

Temperature Received:

Relinquished by	Date	Time	Received by	Date	Time
	3/2/00	15:00			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory	Date	Time

Mail original Analytical Report to:

Pacific Environmental Group
1921 RINGWOOD AV.
San Jose, CA 95131

Turnaround Time:

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

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

MAR 17 2000

March 14, 2000

Kurt Lueneberger
Pacific Environmental Group, Inc.
1921 Ringwood Ave
San Jose, CA 95131

RE: Direct In/P003199

Dear Kurt Lueneberger

Enclosed are the results of analyses for sample(s) received by the laboratory on March 3, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Marvin Heskett
Project Manager

CA ELAP Certificate Number 2374

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Pacific Environmental Group, Inc.	Project:	Direct In	Sampled:	3/2/00
1921 Ringwood Ave	Project Number:	2901 Glascock St., Oakland	Received:	3/3/00
San Jose, CA 95131	Project Manager:	Kurt Lueneberger	Reported:	3/14/00

ANALYTICAL REPORT FOR P003199

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	P003199-01	Water	3/2/00
MW-2	P003199-02	Water	3/2/00
MW-3	P003199-03	Water	3/2/00
MW-4	P003199-04	Water	3/2/00
MW-6	P003199-05	Water	3/2/00
MW-7	P003199-06	Water	3/2/00
MW-8	P003199-07	Water	3/2/00

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Pacific Environmental Group, Inc.	Project:	Direct In	Sampled: 3/2/00
1921 Ringwood Ave	Project Number:	2901 Glascock St., Oakland	Received: 3/3/00
San Jose, CA 95131	Project Manager:	Kurt Lueneberger	Reported: 3/14/00

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**P003199-01**				**Water**	
Gasoline	0030226	3/9/00	3/9/00		50.0	**209**	ug/l	
Benzene	"	"	"		0.500	**1.99**	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	**1.24**	"	
Methyl tert-butyl ether	"	"	"		2.50	**9.36**	"	1
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*102*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*101*	"	
MW-2			**P003199-02**				**Water**	
Gasoline	0030226	3/9/00	3/9/00		50.0	**528**	ug/l	2
Benzene	"	"	"		0.500	**1.20**	"	
Toluene	"	"	"		0.500	**1.85**	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	**0.780**	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*103*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*101*	"	
MW-3			**P003199-03**				**Water**	
Gasoline	0030226	3/9/00	3/9/00		50.0	**84.0**	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*105*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*101*	"	
MW-4			**P003199-04**				**Water**	
Gasoline	0030226	3/9/00	3/9/00		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	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*100*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*99.3*	"	
MW-6			**P003199-05**				**Water**	
Gasoline	0030226	3/9/00	3/9/00		50.0	**336**	ug/l	2

**Refer to end of report for text of notes and definitions.*

Sequoia Analytical

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Pacific Environmental Group, Inc.	Project:	Direct In	Sampled: 3/2/00
1921 Ringwood Ave	Project Number:	2901 Glascock St., Oakland	Received: 3/3/00
San Jose, CA 95131	Project Manager:	Kurt Lueneberger	Reported: 3/14/00

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-6 (continued)			**P003199-05**				**Water**	
Benzene	0030226	3/9/00	3/9/00		0.500	**4.92**	ug/l	
Toluene	"	"	"		0.500	**1.18**	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	**1.89**	"	
Methyl tert-butyl ether	"	"	"		2.50	**4.75**	"	1
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*102*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*101*	"	
MW-7			**P003199-06**				**Water**	
Gasoline	0030226	3/9/00	3/10/00		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	"	"	"		2.50	**16.1**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*101*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*99.0*	"	
MW-8			**P003199-07**				**Water**	
Gasoline	0030226	3/9/00	3/10/00		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	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*102*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*98.3*	"	

Sequoia Analytical

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Pacific Environmental Group, Inc.	Project:	Direct In	Sampled: 3/2/00
1921 Ringwood Ave	Project Number:	2901 Glascock St., Oakland	Received: 3/3/00
San Jose, CA 95131	Project Manager:	Kurt Lueneberger	Reported: 3/14/00

Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M w/ S.G. Clean-up
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**P003199-01**				**Water**	
Diesel (C10-C24)	0030196	3/9/00	3/10/00		0.0500	**4.62**	mg/l	3,4
Motor Oil (C24-C36)	"	"	"		0.250	ND	"	
Surrogate: o-Terphenyl	"	"	"	*50.0-150*		*91.4*	%	
MW-2			**P003199-02**				**Water**	
Diesel (C10-C24)	0030196	3/9/00	3/10/00		0.0500	**9.10**	mg/l	3,4
Motor Oil (C24-C36)	"	"	"		0.250	**0.612**	"	5
Surrogate: o-Terphenyl	"	"	"	*50.0-150*		*99.0*	%	
MW-3			**P003199-03**				**Water**	
Diesel (C10-C24)	0030196	3/9/00	3/10/00		0.0500	**1.37**	mg/l	4,6
Motor Oil (C24-C36)	"	"	"		0.250	ND	"	
Surrogate: o-Terphenyl	"	"	"	*50.0-150*		*95.1*	%	
MW-4			**P003199-04**				**Water**	
Diesel (C10-C24)	0030196	3/9/00	3/10/00		0.0500	**0.247**	mg/l	5
Motor Oil (C24-C36)	"	"	"		0.250	ND	"	
Surrogate: o-Terphenyl	"	"	"	*50.0-150*		*74.9*	%	
MW-6			**P003199-05**				**Water**	
Diesel (C10-C24)	0030196	3/9/00	3/10/00		0.0500	**1.60**	mg/l	4,6
Motor Oil (C24-C36)	"	"	"		0.250	ND	"	
Surrogate: o-Terphenyl	"	"	"	*50.0-150*		*94.4*	%	
MW-7			**P003199-06**				**Water**	
Diesel (C10-C24)	0030196	3/9/00	3/10/00		0.0500	**0.334**	mg/l	3
Motor Oil (C24-C36)	"	"	"		0.250	ND	"	
Surrogate: o-Terphenyl	"	"	"	*50.0-150*		*88.6*	%	
MW-8			**P003199-07**				**Water**	
Diesel (C10-C24)	0030196	3/9/00	3/10/00		0.0500	**0.0506**	mg/l	5
Motor Oil (C24-C36)	"	"	"		0.250	ND	"	
Surrogate: o-Terphenyl	"	"	"	*50.0-150*		*89.5*	%	

Sequoia Analytical

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Pacific Environmental Group, Inc.	Project:	Direct In	Sampled: 3/2/00
1921 Ringwood Ave	Project Number:	2901 Glascock St., Oakland	Received: 3/3/00
San Jose, CA 95131	Project Manager:	Kurt Lueneberger	Reported: 3/14/00

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0030226	**Date Prepared: 3/9/00**					**Extraction Method: EPA 5030 waters**				
Blank	**0030226-BLK1**									
Gasoline	3/9/00			**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**	"	**2.50**				
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*300*	"	*65.0-135*	*100*			
Surrogate: 4-Bromofluorobenzene	"	*300*		*288*	"	*65.0-135*	*96.0*			
LCS	**0030226-BS1**									
Benzene	3/9/00	100		104	ug/l	65.0-135	104			
Toluene	"	100		105	"	65.0-135	105			
Ethylbenzene	"	100		98.7	"	65.0-135	98.7			
Xylenes (total)	"	300		304	"	65.0-135	101			
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*308*	"	*65.0-135*	*103*			
Matrix Spike	**0030226-MS1**		**P003143-03**							
Benzene	3/9/00	100	ND	107	ug/l	65.0-135	**107**			
Toluene	"	100	ND	107	"	65.0-135	**107**			
Ethylbenzene	"	100	ND	101	"	65.0-135	**101**			
Xylenes (total)	"	300	ND	311	"	65.0-135	**104**			
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*318*	"	*65.0-135*	*106*			
Matrix Spike Dup	**0030226-MSD1**		**P003143-03**							
Benzene	3/9/00	100	ND	104	ug/l	65.0-135	**104**	20.0	**2.84**	
Toluene	"	100	ND	105	"	65.0-135	**105**	20.0	**1.89**	
Ethylbenzene	"	100	ND	100	"	65.0-135	**100**	20.0	**0.995**	
Xylenes (total)	"	300	ND	306	"	65.0-135	**102**	20.0	**1.94**	
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*309*	"	*65.0-135*	*103*			

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Pacific Environmental Group, Inc.	Project:	Direct In	Sampled: 3/2/00
1921 Ringwood Ave	Project Number:	2901 Glascock St., Oakland	Received: 3/3/00
San Jose, CA 95131	Project Manager:	Kurt Lueneberger	Reported: 3/14/00

Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M w/ S.G. Clean-up/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0030196	**Date Prepared: 3/9/00**					**Extraction Method: EPA 3510B**				
Blank	**0030196-BLK1**									
Diesel (C10-C24)	3/10/00			**ND**	mg/l	**0.0500**				
Motor Oil (C24-C36)	"			**ND**	"	**0.250**				
Surrogate: o-Terphenyl	"	*0.100*		*0.0980*	"	*50.0-150*	*98.0*			
LCS	**0030196-BS1**									
Diesel (C10-C24)	3/10/00	1.00		0.887	mg/l	50.0-150	88.7			
Surrogate: o-Terphenyl	"	*0.100*		*0.0856*	"	*50.0-150*	*85.6*			
LCS Dup	**0030196-BSD1**									
Diesel (C10-C24)	3/10/00	1.00		0.881	mg/l	50.0-150	88.1	20.0	0.679	
Surrogate: o-Terphenyl	"	*0.100*		*0.0853*	"	*50.0-150*	*85.3*			

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Pacific Environmental Group, Inc.	Project:	Direct In	Sampled:	3/2/00
1921 Ringwood Ave	Project Number:	2901 Glascock St., Oakland	Received:	3/3/00
San Jose, CA 95131	Project Manager:	Kurt Lueneberger	Reported:	3/14/00

Notes and Definitions

#	Note
1	Results between the primary and confirmation columns varied by greater than 40% RPD.
2	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel. The pattern more closely resembles that of a heavier fuel.
3	Results in the diesel organics range are elevated due to overlap from lower boiling point hydrocarbons.
4	Hydrocarbon pattern in sample appears to be weathered.
5	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
6	The result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.
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

Chain of Custody P00318499

Pacific Environmental Group, Inc.
1921 RINGWOOD AV. San Jose CA 95131
Phone 408 453 7300 Fax 408 437 9526

PROJECT No. 805385

Facility No. TOR. DOE OLIVER SITE

Facility Address: 2901 GLASCOCK ST OAKLAND CA

Billing Refence Number: 915

CLIENT engineer: DENIS BURAN

PACIFIC Point of Contact: DAVE SARMIENTO

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)	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	40ml VOA	HCL NP	W	G	3/2/00	10:00	X			01				X	P003199	01
MW-2							10:45				02						2
MW-3							8:20				03						3
MW-4							8:50				04						4
MW-6							9:45				05						5
MW-7							7:30				06						6
MW-8							9:15				07						7

MJC 0144

MRB 16

FUEL FINGERPRINT AS DIESEL & Motor oil

COOLER CUSTODY SEALS INTACT ☐ NOT INTACT ☐ NA

COOLER TEMPERATURE 5 °C

Comments:

*TAT. WANT VERBAL/FAX RESULTS 5DAYS FROM SUBMITTAL.

FUEL FINGERPRINT AS DIESEL & Motor oil w/ Filtration by 0.7 MICRON TCLP GLASS FILTER FOLLOWED by SILICAGEL CLEAN UP OF EXTRACT by EPA METOD 3630B without SOLVENT EXCHANGE

Condition of Sample:

Temperature Received:

	Date	Time		Date	Time
Relinquished by	3/2/00	15:00	Received by	3/3	9:49
Relinquished by			Received by	3/3	1338
Relinquished by	3/8		Received by	3/9/00	9:00
Relinquished by			Received by laboratory		

Mail original Analytical Report to:

Pacific Environmental Group
1921 RINGWOOD AV.
San Jose, CA 95131

Turnaround Time:

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

Chain of Custody

Pacific Environmental Group, Inc.
1921 RINGWOOD AV. San Jose CA 95131
Phone 408 453 7300 Fax 408 4379526

PROJECT No. 805385

Facility No. TOR. DOE OLIVER SITE

Facility Address: 2901 GLASSOCK ST OAKLAND CA

Billing Refence Number: 915

CLIENT engineer DENIS BURAN

PACIFIC Point of Contact: DIANE SARMIENTO

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)	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	40ml VOA	HCL NP	W	G	3/2/00	10:00	X							X
MW-2							10:45								
MW-3							8:20								
MW-4							8:50								
MW-6							9:45								
MW-7							7:50								
MW-8							9:15								

Comments:

*TAT. WANT VERBAL/FAX RESULTS 5DAYS FROM SUBMITTAL.

FUEL FINGERPRINT AS DIESEL & MOTOR OIL W/ FILTRATION BY 0.7 MICRON TCLP GLASS FILTER FOLLOWED BY SILICAGEL CLEAN UP OF EXTRACT BY EPA METOD 3630B WITHOUT SOLVENT EXCHANGE

Condition of Sample:

Temperature Received:

Mail original Analytical Report to:

Pacific Environmental Group
1921 RINGWOOD AV.
San Jose, CA 95131

Turnaround Time:

	Date	Time		Date	Time
Relinquished by	3/2/00	15:00	Received by	3/3	9:44
Relinquished by			Received by		
Relinquished by			Received by		
Relinquished by			Received by laboratory		

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