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April 19, 2002

Barney M. Chan
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: 2901 Glascock Street Toxic Cleanup Report, First Quarter, 2002

Dear Barney:

Please find enclosed a copy of the First Quarter Report from the IT Group for 2901 Glascock Street.

Feel free to contact me should you have any questions or comments.

Sincerely,

Gary U. Martz
Business Manager

1921 Ringwood Avenue
San Jose, CA 95131-1721
Tel. 408.453.7300
Fax. 408.437.9526

the igroup

R0437

April 18, 2002
Project 805385 02000000

Mr. Gary Martz
Iconco
303 Derby Avenue
Oakland, California 94601

APR 24 2002

Re: **Quarterly Report - First Quarter 2002**
2901 Glascock Street
Oakland, California

Dear Mr. Martz:

IT Corporation (IT) has prepared this report for Iconco. The following sections present results of the first quarter 2002 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 February 12, 2002. The wells were sampled and analyzed for the presence of total extractable petroleum hydrocarbons quantified as diesel (TEPH-d), benzene, toluene, ethylbenzene, and xylenes (BTEX compounds), total extractable petroleum hydrocarbons quantified as motor oil (TEPH-mo), total purgeable petroleum hydrocarbons quantified as gasoline (TPPH-g), and methyl tert-butyl ether (MtBE). Wells MW-6 and MW-8 were also analyzed for volatile organic compounds (VOCs) and selected metals. TEPH-d is considered the primary constituent of concern at this site. Groundwater samples were also analyzed for the biodegradation indicators ferrous iron, nitrate, and sulfate. Field measurements of dissolved oxygen (DO) and oxidation-reduction potential (ORP) were also collected from selected wells before and after purging.

The depth to groundwater and groundwater analytical data are presented in Tables 1 through 4. Figure 1 presents the results of the interpreted water elevation contours and selected groundwater analytical results. Certified Analytical Reports (CARs), chain-of-custody (COC) documentation, and field data sheets are contained in Attachment A.

Groundwater Levels

Groundwater elevations in site monitoring wells, with the exception of well MW-6, increased an average of about 0.70 feet compared with the prior quarter (Table 1). The groundwater flow direction continues to be generally to the south/southeast (toward the Oakland Estuary) at a gradient of approximately 0.01 (Figure 1).

Groundwater Quality

Table 2 presents the groundwater analytical data for hydrocarbons and MtBE. Figure 1 illustrates the groundwater analytical results for TEPH-d, benzene, and TEPH-mo. CARs, COC documentation, and field data sheets are contained in Attachment A. The laboratory was directed to prepare groundwater samples for TEPH analyses using a 0.7 micron glass filter followed by a silica gel column cleanup by EPA Method 3630B without solvent exchange.

No separate-phase hydrocarbons (SPH) were observed in any of the monitoring wells this quarter. TEPH-d was reported in groundwater samples from four of seven wells at concentrations ranging from 120 to 970 micrograms per liter (µg/L) (Figure 1). The chromatogram pattern of laboratory analytical results for diesel did not match the pattern of the laboratory diesel standard (see Table 2 and CARs).

TEPH-mo and MtBE were not detected in any of the wells this quarter.

Benzene was detected in two wells, MW-1 and MW-6, at concentrations of 2.3 and 3.7 µg/L, respectively.

Additional groundwater analytical data is presented in Table 3 and 4.

CONCLUSIONS/RECOMMENDATIONS

Groundwater concentrations of TEPH-d, BTEX compounds and TEPH-mo were consistent when compared with historical measurements. Concentrations of heavy end petroleum hydrocarbons in monitoring wells at the site have generally declined compared with prior sampling events beginning in October of 1994. Fluctuations in concentrations occur with variations in the depth to groundwater and with tidal fluctuations in the adjacent estuary.

The up-gradient, off-site source of MtBE that was previously detected in some of the site monitoring wells, was not observed to impact any of the site monitoring wells during the current groundwater monitoring event.

IT recommends the continued use of Oxygen Releasing Compound (ORC®) socks in wells at the site to further stimulate aerobic biodegradation. IT plans to replace the existing ORC socks during the second quarter of 2002.

A copy of this report should be forwarded to the ACHCSA, attention Barney Chan. If you have any questions regarding this report, please contact Andrew Lehane of IT at (408) 453-7300.

Sincerely,
IT Corporation

Andrew D. Lehane
Senior Engineer
RCE 55798

Attachments:

Table 1	Groundwater Elevation Data
Table 2	Groundwater Analytical Data - TPPH as Gasoline, BTEX Compounds, TEPH as Diesel and Motor Oil, and MtBE
Table 3	Additional Groundwater Analytical Data
Table 4	Groundwater Analytical Data - PCBs, Metals, and VOCs
Figure 1	Groundwater Monitoring Results, First Quarter 2002
Attachment A	CARs, COC Documentation, and Field Data Sheets

Table 1
Groundwater Elevation Data

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
	06/30/00		8.30	2.46
	09/29/00		8.57	2.19
	12/28/00		8.23	2.53
	03/26/01		8.00	2.76
	06/28/01		8.60	2.16
	09/18/01		8.46	2.30
	11/01/01		8.35	2.41
	02/12/02		8.17	2.59
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
	06/30/00		6.71	3.92
	09/29/00		7.40	3.23
	12/28/00		6.93	3.70
	03/26/01		5.40	5.23

Table 1
Groundwater Elevation Data

2901 Glascock Street
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-2	06/28/01		7.80	2.83
(cont'd)	09/18/01		8.30	2.33
	11/01/01		8.10	2.53
	2/12/02		6.68	3.95
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
	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
	06/30/00		6.25	3.62
	09/29/00		6.67	3.20
	12/28/00		6.21	3.66
	03/26/01		5.75	4.12
	06/28/01		6.33	3.54
	09/18/01		6.92	2.95
	11/01/01		6.45	3.42
	2/12/02		5.68	4.19
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

Table 1
Groundwater Elevation Data

2901 Glascock Street
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-4	03/02/00		5.75	4.89
(cont'd)	06/30/00		7.84	2.80
	09/29/00		8.10	2.54
	12/28/00		7.97	2.67
	03/26/01		7.42	3.22
	06/28/01		7.78	2.86
	09/18/01		8.20	2.44
	11/01/01		7.83	2.81
	02/12/02		7.35	3.29
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 destroyed -	
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
	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
	06/30/00		11.51	-1.23
	09/29/00		10.35	-0.07
	12/28/00		9.08	1.20
	03/26/01		8.68	1.60
	06/28/01		9.45	0.83
	09/18/01		9.00	1.28
	11/01/01		8.75	1.53
	02/12/02		9.10	1.18
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

Table 1
Groundwater Elevation Data

2901 Glascock Street
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-7	09/29/97		5.05	4.81
(cont'd)	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
	06/30/00		4.30	5.56
	09/29/00		5.17	4.69
	12/28/00		4.71	5.15
	03/26/01		3.52	6.34
	06/28/01		4.70	5.16
	09/18/01		5.44	4.42
	11/01/01		4.91	4.95
	02/12/02		3.70	6.16
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
	06/30/00		10.63	-0.02
	09/29/00		10.18	0.43
	12/28/00		8.37	2.24
	03/26/01		8.75	1.86
	06/28/01		8.95	1.66
	09/18/01		8.82	1.79
	11/01/01		8.75	1.86
	02/12/02		8.73	1.88

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
TPPH as Gasoline, BTEX Compounds, TEPH as Diesel and Motor Oil, and MtBE

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)		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
	06/30/00	920	b	3.59	1.59	0.64	2.92	530	g	ND		ND
	09/29/00	5,520	b	ND	ND	ND	11.8	956	e	662	d	ND
	12/28/00	1,270	b	5.34	ND	ND	ND	4,920	g	3,330	d	34.1
	03/26/01	492	b	3.58	ND	ND	ND	614	g	ND		20.1
	06/28/01	430		1.8	ND	ND	1.4	11,000		7,100	d	6
	09/18/01	210	b	6.3	ND	ND	1.1	NA		NA		20
	11/01/01	130	b	3.4	ND	ND	ND	120	g	ND		ND
	02/12/02	250	b	2.3	ND	ND	ND	120	t	ND		ND
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		0.612		ND
	06/30/00	1,020	b	1.71	1.59	0.544	2.47	1,480	e	ND		ND
	09/29/00	1,710	b	2.92	ND	ND	ND	2,030	g	1,200	d	ND
	12/28/00	6,010	b	ND	ND	ND	ND	7,130	e	ND		ND
	03/26/01	2,070	b	ND	ND	ND	ND	2,090	c	1,220	d	ND
	06/28/01	4,100		ND	ND	ND	ND	30,000		19,000	d	ND
	09/18/01	980	b	1.0	1.4	ND	0.88	NA		NA		2.6
	11/01/01	490	b	ND	0.92	ND	ND	640	g	ND		ND
	02/12/02	3,500	b	ND	ND	ND	ND	970	t	ND		ND

Table 2
Groundwater Analytical Data
TPPH as Gasoline, BTEX Compounds, TEPH as Diesel and Motor Oil, and MtBE

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)		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
	06/30/00	87.5	b	ND	ND	ND	0.599	100		ND		ND
	09/29/00	85.0	b	ND	ND	ND	0.849	495	g	ND		8.45
	12/28/00	1,530	b	ND	ND	ND	ND	667	g	ND		ND
	03/26/01	585	b	ND	ND	ND	ND	587	c	ND		ND
	06/28/01	610		0.66	ND	ND	ND	8,800		5,200	d	ND
	09/18/01	870	b	1.3	ND	ND	1.6	NA		NA		ND
	11/01/01	700	b	ND	ND	ND	ND	400	g	ND		ND
	02/12/02	420	b	ND	ND	ND	ND	350	t	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
	06/30/00	ND		ND	ND	ND	ND	112	g	ND		ND
	09/29/00	ND		ND	ND	ND	ND	68.3	g	ND		ND
	12/28/00	ND		ND	ND	ND	ND	80.9	g	ND		ND
	03/26/01	ND		ND	ND	ND	ND	96.2	g	ND		ND
	06/28/01	ND		ND	ND	ND	ND	ND		ND		ND
	09/18/01	ND		ND	ND	ND	ND	NA		NA		ND
	11/01/01	ND		ND	ND	ND	ND	ND		ND		ND
	02/12/02	92	b	ND	ND	ND	ND	ND		ND		ND

Table 2
Groundwater Analytical Data
TPPH as Gasoline, BTEX Compounds, TEPH as Diesel and Motor Oil, and MtBE

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)		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
	06/30/00	8550	b	58.9	73.1	ND	56.7	590	g	ND		ND
	09/29/00	642	b	4.41	0.793	ND	1.32	863	g	ND		14.4
	12/28/00	500	b	4.89	ND	ND	ND	6,750	g	3,440	d	ND
	03/26/01	14000	b	ND	ND	ND	ND	773	c	ND		ND
	06/28/01	620	b	3.3	0.76	0.58	1.6	31,000		22,000	d	3.9
	09/18/01	430	b	3.1	0.54	2.6	2.8	NA		NA		4.1
	11/01/01	600	b	2.5	ND	ND	0.52	290	g	ND		ND
	02/12/02	860	b	3.7	ND	ND	ND	350	t	ND		ND
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
	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
	06/30/00	ND		ND	ND	ND	ND	95.8		ND		35.8
	09/29/00	ND		ND	ND	ND	ND	70.0	g	ND		50.4
	12/28/00	ND		ND	ND	ND	ND	73.8	g	ND		41.5
	03/26/01	ND		ND	ND	ND	ND	76.1	g	ND		11.1
	06/28/01	ND		ND	ND	ND	ND	ND		ND		40
	09/18/01	ND		ND	ND	ND	ND	NA		NA		16
	11/01/01	ND		ND	ND	ND	ND	ND		ND		7.6
	02/12/02	ND		ND	ND	ND	ND	ND		ND		ND

Table 2
Groundwater Analytical Data
TPPH as Gasoline, BTEX Compounds, TEPH as Diesel and Motor Oil, and MtBE

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)		TEPH as Motor Oil (µg/L)		MTBE (µg/L)
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
	06/30/00	ND	ND	ND	ND	ND	77.5		ND		ND
	09/29/00	ND	ND	ND	ND	ND	ND		ND		ND
	12/28/00	ND	ND	ND	ND	ND	66.7	g	ND		ND
	03/26/01	ND	ND	ND	ND	ND	67.9	g	ND		ND
	06/28/01	ND	ND	ND	ND	ND	ND		ND		ND
	09/18/01	ND	ND	ND	ND	ND	NA		NA		ND
	11/01/01	ND	ND	ND	ND	ND	ND		ND		ND
	02/12/02	ND	ND	ND	ND	ND	ND		ND		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

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.
t. Chromatogram pattern does not match the pattern of laboratory diesel standard.

Table 3

Additional Groundwater Analytical Data

Ferrous Iron, Nitrate as NO_3, Sulfate as SO_4, Dissolved Oxygen, Oxidation-Reduction Potential

2901 Glascock Street
Oakland, California

Well	Date Sampled	Ferrous Iron (mg/L)	Nitrate as NO_3 (mg/L)	Sulfate as SO_4 (mg/L)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential
MW-1	06/17/99	----	----	----	1.8	----
	09/13/99	----	----	----	4.6	----
	12/28/99	----	----	----	8.3	----
	03/02/00	----	----	----	6.2	----
	06/30/00	----	----	----	6.0	----
	09/29/00	----	----	----	5.2	----
	12/28/00	0.311	ND*	12.0	2.0/2.0	-71/-100
	03/26/01	0.247*	ND	12.0	1/2	-96/-106
	06/28/01	ND	0.40	10	10/9.6	39/-98
	09/18/01	ND	ND	10	8/3	-54/-86
	11/01/01	ND	1.6	9.9	4.2/2.8	-10/19
	02/12/02	ND	ND	9.0	9.4/4.0	0.57/0.78
MW-2	06/17/99	----	----	----	2.2	----
	09/13/99	----	----	----	2.0	----
	12/28/99	----	----	----	NM (cloudy)	----
	03/02/00	----	----	----	5.2	----
	06/30/00	----	----	----	5.4	----
	09/29/00	----	----	----	4.8	----
	12/28/00	0.0505	ND*	0.33	2.0/2.0	-69/-72
	03/26/01	0.482*	ND	ND	2/2	-61/-95
	06/28/01	ND	0.87	0.84	2.8/1.6	-80/-71
	09/18/01	0.10	ND	1.1	2/2	-73/-91
	11/01/01	ND	1.6	13	1.2/1.0	-57/-99
	02/12/02	ND	ND	ND	1/1	53/51
MW-3	12/28/00	0.0580	ND*	12.0	2.0/2.0	56/-46
	03/26/01	0.051*	5.86	17.5	NM	NM
	06/28/01	ND	0.58	1.8	1.2	-140
	09/18/01	ND	ND	0.61	NM	NM
	11/01/01	ND	ND	1.6	NM	NM
	02/12/02	ND	2.6	13.0	NM	NM
MW-4	12/28/00	0.0308	22*	48.0	4.0/4.0	5/20
	03/26/01	1.37*	20.4	48.0	NM	NM
	06/28/01	0.17	25	49	2.4	78
	09/18/01	0.18	28	54	NM	NM
	11/01/01	ND	30	61	NM	NM
	02/12/02	ND	33	58	NM	NM
MW-6	06/17/99	----	----	----	1.6	----
	09/13/99	----	----	----	2.2	----
	12/28/99	----	----	----	NM (cloudy)	----
	03/02/00	----	----	----	1.8	----
	06/30/00	----	----	----	1.4	----
	09/29/00	----	----	----	1.8	----
	12/28/00	0.444	ND*	0.24	3.0/3.0	-61/-104
	03/26/01	0.765*	ND	ND	2/2	-102/-138
	06/28/01	ND	0.32	0.72	1.2/1.0	-117/-112
	09/18/01	ND	ND	0.64	3/2	-53/-112
	11/01/01	ND	ND	1.3	2.0/2.4	-119/-115
	02/12/02	ND	ND	2	1.0/1.0	-121/-107

Table 3

Additional Groundwater Analytical Data

Ferrous Iron, Nitrate as NO_3, Sulfate as SO_4, Dissolved Oxygen, Oxidation-Reduction Potential

2901 Glascock Street
Oakland, California

Well	Date Sampled	Ferrous Iron (mg/L)	Nitrate as NO_3 (mg/L)	Sulfate as SO_4 (mg/L)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential
MW-7	12/28/00	ND	80.0*	100	2.0/3.0	-15/11
	03/26/01	0.199*	69.6	96.8	NM	NM
	06/28/01	0.12	73	100	3.2	12
	09/18/01	ND	82	96	NM	NM
	11/01/01	ND	77	98	NM	NM
	02/12/02	ND	69	93	NM	NM
MW-8	12/28/00	ND	50.0*	120	4.0/4.0	82/84
	03/26/01	139*	32.5	138	NM	NM
	06/28/01	0.15	36	160	6.2	99
	09/18/01	ND	42	120	NM	NM
	11/01/01	ND	43	110	NM	NM
	02/12/02	ND	37	120	NM	NM

mg/L	= Milligrams per Liter
NM	= Not measured
ND	= Not detected (see certified analytical reports for detection limits)
*	= Sample analyzed outside of the EPA recommended holding time
2.0/3.0	= Before purging well/After purging well

Table 4
Groundwater Analytical Data
PCBs, Metals, and VOCs

Former Dorr-Oliver Site
2901 Glascock Street
Oakland, California

Well Number	Date Sampled	PCBs (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Lead (µg/L)	Nickel (µg/L)	Zinc (µg/L)	VOCs (µg/L)	
MW-1	11/29/95	NA	NA	NA	NA	NA	NA	ND	
	01/18/96	NA	ND	ND	ND	ND	ND	NA	
	06/25/97	NA	NA	NA	NA	NA	NA	NA	
	03/27/98	NA	NA	NA	NA	NA	NA	NA	
	03/31/99	NA	ND	5.8	1	21	12	ND	f
	02/12/02	NA	NA	NA	NA	NA	NA	NA	
MW-2	11/29/95	NA	NA	NA	NA	NA	NA	NA	
	01/18/96	NA	ND	ND	ND	ND	ND	NA	
	06/25/97	NA	NA	NA	NA	NA	NA	NA	
	03/27/98	NA	NA	NA	NA	NA	NA	NA	
	03/31/99	NA	ND	ND	0.8	11	11	ND	g
	02/12/02	NA	NA	NA	NA	NA	NA	NA	
MW-3	11/29/95	NA	NA	NA	NA	NA	NA	NA	
	01/18/96	NA	ND	ND	ND	ND	51.2	NA	
	06/25/97	NA	NA	NA	NA	NA	NA	NA	
	03/27/98	NA	NA	NA	NA	NA	NA	NA	
	03/31/99	NA	ND	ND	ND	5.7	3.2	ND	h
	02/12/02	NA	NA	NA	NA	NA	NA	NA	
MW-4	11/29/95	NA	NA	NA	NA	NA	NA	ND	a
	01/18/96	NA	ND	ND	ND	ND	20.5	NA	
	06/25/97	NA	NA	NA	NA	NA	NA	NA	
	03/27/98	NA	NA	NA	NA	NA	NA	NA	
	03/31/99	NA	ND	ND	ND	6.2	3.7	ND	j
	02/12/02	NA	NA	NA	NA	NA	NA	NA	
MW-5	11/29/95	NA	NA	NA	NA	NA	NA	NA	
	01/18/96	NA	ND	ND	ND	ND	22.6	NA	
		-- Well Destroyed in September 1996 --							
MW-6	11/29/95	ND	ND	822	107	1,190	851	ND	
	01/18/96	NA	ND	ND	ND	ND	ND	NA	
	06/25/97	NA	ND	0.14	ND	0.2	0.18	ND	d
	03/27/98	NA	ND	ND	ND	ND	0.017	ND	e
	03/31/99	NA	ND	13	7.2	27	45	ND	k
	02/12/02	NA	0.0060	0.11	0.039	0.14	0.15	ND	m
MW-7	11/29/95	NA	NA	NA	NA	NA	NA	ND	b
	01/18/96	NA	ND	ND	ND	ND	25.1	NA	
	06/25/97	NA	NA	NA	NA	NA	NA	NA	
	03/27/98	NA	NA	NA	NA	NA	NA	NA	
	03/31/99	NA	ND	ND	ND	8.5	14	ND	l
	02/12/02	NA	NA	NA	NA	NA	NA	NA	
MW-8	11/29/95	ND	ND	319	42.0	381	309	ND	c
	01/18/96	NA	ND	ND	ND	ND	ND	NA	
	06/25/97	NA	ND	0.54	ND	0.69	0.42	ND	
	03/27/98	NA	ND	0.013	ND	ND	0.02	ND	
	03/31/99	NA	ND	12	8.8	16	13	ND	
	02/12/02	NA	ND	0.036	ND	0.057	0.054	ND	

Table 4
Groundwater Analytical Data
PCBs, Metals, and VOCs

Former Dorr-Oliver Site
2901 Glascock Street
Oakland, California

PCBs	= Polychlorinated bi-phenyls
VOCs	= Volatile organic compounds
µg/L	= Micrograms per liter
NA	= Not analyzed
ND	= Not detected (see certified analytical reports for detection limits)
a.	0.61 µg/L 1,1-Dichloroethane
b.	0.79 µg/L 1,1-Dichloroethane
	0.74 µg/L *trans*-1,2-Dichloroethene
c.	0.53 µg/L Vinyl Chloride
	1.3 µg/L Trichloroethene
d.	2.5 µg/L Chloroethene
	0.97 µg/L 1,1-Dichloroethane
	3.4 µg/L *trans*-1,2-Dichloroethene
	1.4 µg/L Vinyl Chloride
e.	2.1 µg/L Chloroethene
	1.1 µg/L 1,1-Dichloroethane
	0.85 µg/L cis-1,2-Dichloroethene
	3.2 µg/L *trans*-1,2-Dichloroethene
f.	1.2 µg/L 1,1-Dichloroethane
	4.7 µg/L cis-1,2-Dichloroethene
	6.2 µg/L trans-1,2-Dichloroethene
g.	0.93 µg/L 1,1-Dichloroethane
	4.0 µg/L Vinyl Chloride
h.	4.3 µg/L Chloroethane
	1.2 µg/L Chloromethane
j.	0.98 µg/L 1,1-Dichloroethane
	0.58 µg/L 1,1-Dichloroethene
k.	0.79 µg/L 1,1-Dichloroethane
	2.3 µg/L *trans*-1,2-Dichloroethene
l.	0.64 µg/L 1,1-Dichloroethane
	0.87 µg/L 1,1-Dichloroethene
	0.71 µg/L cis-1,2-Dichloroethene
	1.4 µg/L *trans*-1,2-Dichloroethene
m.	0.83 µg/L 1,1-Dichloroethane
	2.1 µg/L *trans*-1,2-Dichloroethene

DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
L. Wahlgren 4-17-02			805385

PETERSON STREET

MW-7
(6.16)
ND / ND / ND

6.0

GLASCOCK STREET

5.0

APPROXIMATE LIMITS OF BUILDING

MW-3
(4.19)
350 / ND / ND

OFFICES

FORMER TANK

4.0

MW-2
(3.95)
970 / ND / ND

OPEN LOT

FORMER TANK

MW-4
(3.29)
ND / ND / ND

3.0

MW-1
(2.59)
120 / 2.3 / ND

RAMP

MW-5 Ø

2.0

MW-8
(1.88)
ND / ND / ND

FORMER SANDBLAST ROOM

MW-6
(1.18)
350 / 3.7 / ND

OAKLAND ESTUARY

LEGEND

- ⊙ GROUNDWATER MONITORING WELL
- Ø DESTROYED GROUNDWATER MONITORING WELL
- 120 / 2.3 / ND — TEPH-d/BENZENE/TEPH-mo CONCENTRATIONS IN GROUNDWATER (PARTS PER BILLION); 2-12-02
- ND — NOT DETECTED
- (2.59) — GROUNDWATER ELEVATION (FT.-MSL); MEASURED 2-12-02
- ? — GROUNDWATER ELEVATION CONTOUR (FT.-MSL)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

APPROXIMATE GRADIENT = 0.01

SCALE
0 40 80 FEET

IT CORPORATION

ICONCO

FIGURE 1
GROUNDWATER MONITORING RESULTS
FIRST QUARTER 2002
2901 GLASCOCK STREET
OAKLAND, CALIFORNIA

N:\cad\DWG\805385\Gwc.dwg Wed, 17/Apr/02 02:04pm lwahlgren

ATTACHMENT A
CARs, COC DOCUMENTATION, AND
FIELD DATA SHEETS

Submission #: 2002-02-0208

Date: March 26, 2002

SEVERN TRENT SERVICES

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com
CA DHS ELAP#1094

IT Group San Jose
1921 Ringwood Avenue
San Jose, CA 95131

Attn: Andrew Lehane

Project: 805385
Former Dor Oliversite
Site: 2901 Glasscock St.

Attached is our report for your samples received on Tuesday February 12, 2002
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after March 29, 2002 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: ssidhu@chromalab.com

Sincerely,

Surinder Sidhu.

Surinder Sidhu
Project Manager

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

Halogenated Volatile Organic Compounds by 8021

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CA DHS ELAP#1094

IT Group San Jose
1921 Ringwood Avenue
San Jose, CA 95131

Attn: Andrew Lehane
Phone: (408) 453-7300 Fax: (408) 437-9526

805385
Site2901 Glasscock St.
Project: Former Dor Oliversite

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-6	Water	02/12/2002 11:45	9
MW-8	Water	02/12/2002 11:05	13

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

Halogenated Volatile Organic Compounds by 8021

IT Group San Jose
Attn: Andrew Lehane

Test Method: 8021B
Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
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www.chromalab.com

CA DHS ELAP#1094

Sample ID:	**MW-6**	Lab Sample ID:	2002-02-0208-009
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/15/2002 02:03
Sampled:	02/12/2002 11:45	QC-Batch:	2002/02/14-01.26
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	02/15/2002 02:03	
Vinyl chloride	ND	0.50	ug/L	1.00	02/15/2002 02:03	
Chloroethane	ND	0.50	ug/L	1.00	02/15/2002 02:03	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	02/15/2002 02:03	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	02/15/2002 02:03	
Methylene chloride	ND	5.0	ug/L	1.00	02/15/2002 02:03	
trans-1,2-Dichloroethene	2.1	0.50	ug/L	1.00	02/15/2002 02:03	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	02/15/2002 02:03	
1,1-Dichloroethane	0.83	0.50	ug/L	1.00	02/15/2002 02:03	
Chloroform	ND	0.50	ug/L	1.00	02/15/2002 02:03	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	02/15/2002 02:03	
Carbon tetrachloride	ND	0.50	ug/L	1.00	02/15/2002 02:03	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	02/15/2002 02:03	
Trichloroethene	ND	0.50	ug/L	1.00	02/15/2002 02:03	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	02/15/2002 02:03	
Bromodichloromethane	ND	0.50	ug/L	1.00	02/15/2002 02:03	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	02/15/2002 02:03	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	02/15/2002 02:03	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	02/15/2002 02:03	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	02/15/2002 02:03	
Tetrachloroethene	ND	0.50	ug/L	1.00	02/15/2002 02:03	
Dibromochloromethane	ND	0.50	ug/L	1.00	02/15/2002 02:03	
Chlorobenzene	ND	0.50	ug/L	1.00	02/15/2002 02:03	
Bromoform	ND	2.0	ug/L	1.00	02/15/2002 02:03	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	02/15/2002 02:03	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	02/15/2002 02:03	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	02/15/2002 02:03	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	02/15/2002 02:03	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	02/15/2002 02:03	
Chloromethane	ND	1.0	ug/L	1.00	02/15/2002 02:03	
Bromomethane	ND	1.0	ug/L	1.00	02/15/2002 02:03	
Surrogate(s)						
1-Chloro-2-fluorobenzene	104.4	70-130	%	1.00	02/15/2002 02:03	

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

Halogenated Volatile Organic Compounds by 8021

IT Group San Jose
Attn: Andrew Lehane

Test Method: 8021B
Prep Method: 5030B

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www.chromalab.com

CA DHS ELAP#1094

Sample ID:	**MW-8**	Lab Sample ID:	2002-02-0208-013
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/14/2002 21:28
Sampled:	02/12/2002 11:05	QC-Batch:	2002/02/14-01.25
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	02/14/2002 21:28	
Vinyl chloride	ND	0.50	ug/L	1.00	02/14/2002 21:28	
Chloroethane	ND	0.50	ug/L	1.00	02/14/2002 21:28	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	02/14/2002 21:28	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	02/14/2002 21:28	
Methylene chloride	ND	5.0	ug/L	1.00	02/14/2002 21:28	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	02/14/2002 21:28	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	02/14/2002 21:28	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	02/14/2002 21:28	
Chloroform	ND	0.50	ug/L	1.00	02/14/2002 21:28	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	02/14/2002 21:28	
Carbon tetrachloride	ND	0.50	ug/L	1.00	02/14/2002 21:28	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	02/14/2002 21:28	
Trichloroethene	ND	0.50	ug/L	1.00	02/14/2002 21:28	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	02/14/2002 21:28	
Bromodichloromethane	ND	0.50	ug/L	1.00	02/14/2002 21:28	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	02/14/2002 21:28	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	02/14/2002 21:28	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	02/14/2002 21:28	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	02/14/2002 21:28	
Tetrachloroethene	ND	0.50	ug/L	1.00	02/14/2002 21:28	
Dibromochloromethane	ND	0.50	ug/L	1.00	02/14/2002 21:28	
Chlorobenzene	ND	0.50	ug/L	1.00	02/14/2002 21:28	
Bromoform	ND	2.0	ug/L	1.00	02/14/2002 21:28	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	02/14/2002 21:28	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	02/14/2002 21:28	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	02/14/2002 21:28	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	02/14/2002 21:28	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	02/14/2002 21:28	
Chloromethane	ND	1.0	ug/L	1.00	02/14/2002 21:28	
Bromomethane	ND	1.0	ug/L	1.00	02/14/2002 21:28	
Surrogate(s)						
1-Chloro-2-fluorobenzene	79.6	70-130	%	1.00	02/14/2002 21:28	

SEVERN TRENT SERVICES

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CA DHS ELAP#1094

Halogenated Volatile Organic Compounds by 8021

Batch QC report

Test Method: 8021B Prep Method: 5030B

Method Blank **Water** **QC Batch # 2002/02/14-01.26**

MB: 2002/02/14-01.26-004 Date Extracted: 02/14/2002 11:52

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	02/14/2002 11:52	
Vinyl chloride	ND	0.5	ug/L	02/14/2002 11:52	
Chloroethane	ND	0.5	ug/L	02/14/2002 11:52	
Trichlorofluoromethane	ND	0.5	ug/L	02/14/2002 11:52	
1,1-Dichloroethene	ND	0.5	ug/L	02/14/2002 11:52	
Methylene chloride	ND	5.0	ug/L	02/14/2002 11:52	
trans-1,2-Dichloroethene	ND	0.5	ug/L	02/14/2002 11:52	
cis-1,2-Dichloroethene	ND	0.5	ug/L	02/14/2002 11:52	
1,1-Dichloroethane	ND	0.5	ug/L	02/14/2002 11:52	
Chloroform	ND	0.5	ug/L	02/14/2002 11:52	
1,1,1-Trichloroethane	ND	0.5	ug/L	02/14/2002 11:52	
Carbon tetrachloride	ND	0.5	ug/L	02/14/2002 11:52	
1,2-Dichloroethane	ND	0.5	ug/L	02/14/2002 11:52	
Trichloroethene	ND	0.5	ug/L	02/14/2002 11:52	
1,2-Dichloropropane	ND	0.5	ug/L	02/14/2002 11:52	
Bromodichloromethane	ND	0.5	ug/L	02/14/2002 11:52	
2-Chloroethylvinyl ether	ND	0.5	ug/L	02/14/2002 11:52	
trans-1,3-Dichloropropene	ND	0.5	ug/L	02/14/2002 11:52	
cis-1,3-Dichloropropene	ND	0.5	ug/L	02/14/2002 11:52	
1,1,2-Trichloroethane	ND	0.5	ug/L	02/14/2002 11:52	
Tetrachloroethene	ND	0.5	ug/L	02/14/2002 11:52	
Dibromochloromethane	ND	0.5	ug/L	02/14/2002 11:52	
Chlorobenzene	ND	0.5	ug/L	02/14/2002 11:52	
Bromoform	ND	2.0	ug/L	02/14/2002 11:52	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	02/14/2002 11:52	
1,3-Dichlorobenzene	ND	0.5	ug/L	02/14/2002 11:52	
1,4-Dichlorobenzene	ND	0.5	ug/L	02/14/2002 11:52	
1,2-Dichlorobenzene	ND	0.5	ug/L	02/14/2002 11:52	
Trichlorotrifluoroethane	ND	0.5	ug/L	02/14/2002 11:52	
Chloromethane	ND	1.0	ug/L	02/14/2002 11:52	
Bromomethane	ND	1.0	ug/L	02/14/2002 11:52	
Surrogate(s)					
1-Chloro-2-fluorobenzene	99.9	70-130	%	02/14/2002 11:52	

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

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CA DHS ELAP#1094

Halogenated Volatile Organic Compounds by 8021

Batch QC report

Test Method: 8021B Prep Method: 5030B

Method Blank **Water** **QC Batch # 2002/02/14-01.25**

MB: 2002/02/14-01.25-004 Date Extracted: 02/14/2002 12:01

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	02/14/2002 12:01	
Vinyl chloride	ND	0.5	ug/L	02/14/2002 12:01	
Chloroethane	ND	0.5	ug/L	02/14/2002 12:01	
Trichlorofluoromethane	ND	0.5	ug/L	02/14/2002 12:01	
1,1-Dichloroethene	ND	0.5	ug/L	02/14/2002 12:01	
Methylene chloride	ND	5.0	ug/L	02/14/2002 12:01	
trans-1,2-Dichloroethene	ND	0.5	ug/L	02/14/2002 12:01	
cis-1,2-Dichloroethene	ND	0.5	ug/L	02/14/2002 12:01	
1,1-Dichloroethane	ND	0.5	ug/L	02/14/2002 12:01	
Chloroform	ND	0.5	ug/L	02/14/2002 12:01	
1,1,1-Trichloroethane	ND	0.5	ug/L	02/14/2002 12:01	
Carbon tetrachloride	ND	0.5	ug/L	02/14/2002 12:01	
1,2-Dichloroethane	ND	0.5	ug/L	02/14/2002 12:01	
Trichloroethene	ND	0.5	ug/L	02/14/2002 12:01	
1,2-Dichloropropane	ND	0.5	ug/L	02/14/2002 12:01	
Bromodichloromethane	ND	0.5	ug/L	02/14/2002 12:01	
2-Chloroethylvinyl ether	ND	0.5	ug/L	02/14/2002 12:01	
trans-1,3-Dichloropropene	ND	0.5	ug/L	02/14/2002 12:01	
cis-1,3-Dichloropropene	ND	0.5	ug/L	02/14/2002 12:01	
1,1,2-Trichloroethane	ND	0.5	ug/L	02/14/2002 12:01	
Tetrachloroethene	ND	0.5	ug/L	02/14/2002 12:01	
Dibromochloromethane	ND	0.5	ug/L	02/14/2002 12:01	
Chlorobenzene	ND	0.5	ug/L	02/14/2002 12:01	
Bromoform	ND	2.0	ug/L	02/14/2002 12:01	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	02/14/2002 12:01	
1,3-Dichlorobenzene	ND	0.5	ug/L	02/14/2002 12:01	
1,4-Dichlorobenzene	ND	0.5	ug/L	02/14/2002 12:01	
1,2-Dichlorobenzene	ND	0.5	ug/L	02/14/2002 12:01	
Trichlorotrifluoroethane	ND	0.5	ug/L	02/14/2002 12:01	
Chloromethane	ND	1.0	ug/L	02/14/2002 12:01	
Bromomethane	ND	1.0	ug/L	02/14/2002 12:01	
Surrogate(s)					
1-Chloro-2-fluorobenzene	83.8	70-130	%	02/14/2002 12:01	

SEVERN TRENT SERVICES

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CA DHS ELAP#1094

Halogenated Volatile Organic Compounds by 8021

Batch QC report

Test Method: 8021B Prep Method: 5030B

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/02/14-01.26**

LCS: 2002/02/14-01.26-002 Extracted: 02/14/2002 10:31 Analyzed: 02/14/2002 10:31

LCSD: 2002/02/14-01.26-003 Extracted: 02/14/2002 11:11 Analyzed: 02/14/2002 11:11

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
1,1-Dichloroethene	22.3	22.2	20.0	20.0	111.5	111.0	0.4	70-130	20		
Trichloroethene	22.7	22.4	20.0	20.0	113.5	112.0	1.3	70-130	20		
Chlorobenzene	23.2	20.8	20.0	20.0	116.0	104.0	10.9	70-130	20		
Surrogate(s)											
1-Chloro-2-fluorobenz	22.9	23.5	20	20	114.5	117.5		70-130			

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

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CA DHS ELAP#1094

Halogenated Volatile Organic Compounds by 8021

Batch QC report

Test Method: 8021B Prep Method: 5030B

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/02/14-01.25**

LCS: 2002/02/14-01.25-002 Extracted: 02/14/2002 10:34 Analyzed: 02/14/2002 10:34

LCSD: 2002/02/14-01.25-003 Extracted: 02/14/2002 11:19 Analyzed: 02/14/2002 11:19

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
1,1-Dichloroethene	19.4	17.7	20.0	20.0	97.0	88.5	9.2	70-130	20		
Trichloroethene	20.0	19.3	20.0	20.0	100.0	96.5	3.6	70-130	20		
Chlorobenzene	20.8	19.3	20.0	20.0	104.0	96.5	7.5	70-130	20		
Surrogate(s)											
1-Chloro-2-fluorobenz	21.8	20.5	20	20	109.0	102.5		70-130			

Submission #: 2002-02-0208

TEPH w/ Silica Gel Clean-up

SEVERN TRENT SERVICES

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

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www.chromalab.com

CA DHS ELAP#1094

IT Group San Jose	⌛ 1921 Ringwood Avenue San Jose, CA 95131
Attn: Andrew Lehane	Phone: (408) 453-7300 Fax: (408) 437-9526
805385 Site2901 Glasscock St.	Project: Former Dor Oliversite

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	02/12/2002	1
MW-2	Water	02/12/2002 13:05	3
MW-3	Water	02/12/2002 10:00	5
MW-4	Water	02/12/2002 10:50	7
MW-6	Water	02/12/2002 11:45	9
MW-7	Water	02/12/2002 09:30	11
MW-8	Water	02/12/2002 11:05	13

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

TEPH w/ Silica Gel Clean-up

IT Group San Jose
Attn: Andrew Lehane

Test Method: 8015M
Prep Method: 3510/8015M

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CA DHS ELAP#1094

Sample ID:	**MW-1**	Lab Sample ID:	2002-02-0208-001
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/20/2002 13:11
Sampled:	02/12/2002	QC-Batch:	2002/02/20-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	120	50	ug/L	1.00	02/22/2002 22:01	ndp
Motor Oil	ND	500	ug/L	1.00	02/22/2002 22:01	
Surrogate(s)						
o-Terphenyl	100.2	60-130	%	1.00	02/22/2002 22:01	

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

TEPH w/ Silica Gel Clean-up

IT Group San Jose
Attn: Andrew Lehane

Test Method: 8015M
Prep Method: 3510/8015M

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CA DHS ELAP#1094

Sample ID:	**MW-2**	Lab Sample ID:	2002-02-0208-003
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/20/2002 13:11
Sampled:	02/12/2002 13:05	QC-Batch:	2002/02/20-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	970	50	ug/L	1.00	02/22/2002 22:38	ndp
Motor Oil	ND	500	ug/L	1.00	02/22/2002 22:38	
Surrogate(s)						
o-Terphenyl	100.5	60-130	%	1.00	02/22/2002 22:38	

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

TEPH w/ Silica Gel Clean-up

IT Group San Jose
Attn: Andrew Lehane

Test Method: 8015M
Prep Method: 3510/8015M

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CA DHS ELAP#1094

Sample ID:	**MW-3**	Lab Sample ID:	2002-02-0208-005
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/20/2002 13:11
Sampled:	02/12/2002 10:00	QC-Batch:	2002/02/20-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	350	50	ug/L	1.00	02/23/2002 01:45	ndp
Motor Oil	ND	500	ug/L	1.00	02/23/2002 01:45	
Surrogate(s)						
o-Terphenyl	95.8	60-130	%	1.00	02/23/2002 01:45	

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CA DHS ELAP#10

TEPH w/ Silica Gel Clean-up

IT Group San Jose
Attn: Andrew Lehane

Test Method: 8015M
Prep Method: 3510/8015M

Sample ID:	**MW-4**	Lab Sample ID:	2002-02-0208-007
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/20/2002 13:11
Sampled:	02/12/2002 10:50	QC-Batch:	2002/02/20-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	02/23/2002 02:22	
Motor Oil	ND	500	ug/L	1.00	02/23/2002 02:22	
Surrogate(s)						
o-Terphenyl	93.6	60-130	%	1.00	02/23/2002 02:22	

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

TEPH w/ Silica Gel Clean-up

IT Group San Jose
Attn: Andrew Lehane

Test Method: 8015M
Prep Method: 3510/8015M

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CA DHS ELAP#1094

Sample ID:	**MW-6**	Lab Sample ID:	2002-02-0208-009
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/20/2002 13:11
Sampled:	02/12/2002 11:45	QC-Batch:	2002/02/20-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	350	50	ug/L	1.00	02/23/2002 02:59	ndp
Motor Oil	ND	500	ug/L	1.00	02/23/2002 02:59	
Surrogate(s)						
o-Terphenyl	104.8	60-130	%	1.00	02/23/2002 02:59	

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TEPH w/ Silica Gel Clean-up

IT Group San Jose
Attn: Andrew Lehane

Test Method: 8015M
Prep Method: 3510/8015M

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CA DHS ELAP#1094

Sample ID:	**MW-7**	Lab Sample ID:	2002-02-0208-011
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/20/2002 13:11
Sampled:	02/12/2002 09:30	QC-Batch:	2002/02/20-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	02/23/2002 03:37	
Motor Oil	ND	500	ug/L	1.00	02/23/2002 03:37	
Surrogate(s)						
o-Terphenyl	97.0	60-130	%	1.00	02/23/2002 03:37	

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

TEPH w/ Silica Gel Clean-up

IT Group San Jose
Attn: Andrew Lehane

Test Method: 8015M
Prep Method: 3510/8015M

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CA DHS ELAP#1094

Sample ID:	**MW-8**	Lab Sample ID:	2002-02-0208-013
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/20/2002 13:11
Sampled:	02/12/2002 11:05	QC-Batch:	2002/02/20-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	02/23/2002 04:14	
Motor Oil	ND	500	ug/L	1.00	02/23/2002 04:14	
Surrogate(s)						
o-Terphenyl	87.9	60-130	%	1.00	02/23/2002 04:14	

Submission #: 2002-02-0208

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CA DHS ELAP#1094

TEPH w/ Silica Gel Clean-up

Batch QC report

Test Method: 8015M

Prep Method: 3510/8015 M

Method Blank | **Water** | **QC Batch # 2002/02/20-03.10**

MB: 2002/02/20-03.10-001 | Date Extracted: 02/20/2002 13:11

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	02/23/2002 07:48	
Motor Oil	ND	500	ug/L	02/23/2002 07:48	
Surrogate(s)					
o-Terphenyl	98.1	60-130	%	02/23/2002 07:48	

Submission #: 2002-02-0208

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CA DHS ELAP#1094

TEPH w/ Silica Gel Clean-up

Batch QC report

Test Method: 8015M Prep Method: 3510/8015M

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/02/20-03.10**

LCS: 2002/02/20-03.10-002 Extracted: 02/20/2002 13:11 Analyzed: 02/21/2002 20:20

LCSD: 2002/02/20-03.10-003 Extracted: 02/20/2002 13:11 Analyzed: 02/21/2002 20:59

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Diesel	1000	1170	1250	1250	80.0	93.6	15.7	60-130	25		
Surrogate(s)											
o-Terphenyl	19.9	21.4	20.0	20.0	99.7	107.1		60-130	0		

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CA DHS ELAP#1094

TEPH w/ Silica Gel Clean-up

Legend & Notes

Test Method: 8015M Prep Method: 3510/8015M

Analyte Flags

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP#1094

IT Group San Jose	1921 Ringwood Avenue San Jose, CA 95131
Attn: Andrew Lehane	Phone: (408) 453-7300 Fax: (408) 437-9526
805385 Site2901 Glasscock St.	Project: Former Dor Oliversite

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	02/12/2002	1
MW-2	Water	02/12/2002 13:05	3
MW-3	Water	02/12/2002 10:00	5
MW-4	Water	02/12/2002 10:50	7
MW-6	Water	02/12/2002 11:45	9
MW-7	Water	02/12/2002 09:30	11
MW-8	Water	02/12/2002 11:05	13

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

Gas/BTEX Compounds by 8015M/8021

IT Group San Jose

Test Method: 8021B
8015M

Attn: Andrew Lehane

Prep Method: 5030

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CA DHS ELAP#1094

Sample ID:	**MW-1**	Lab Sample ID:	2002-02-0208-001
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/25/2002 14:43
Sampled:	02/12/2002	QC-Batch:	2002/02/25-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	250	50	ug/L	1.00	02/25/2002 14:43	g
Benzene	2.3	0.50	ug/L	1.00	02/25/2002 14:43	
Toluene	ND	0.50	ug/L	1.00	02/25/2002 14:43	
Ethyl benzene	ND	0.50	ug/L	1.00	02/25/2002 14:43	
Xylene(s)	ND	0.50	ug/L	1.00	02/25/2002 14:43	
MTBE	ND	5.0	ug/L	1.00	02/25/2002 14:43	
Surrogate(s)						
Trifluorotoluene	95.5	58-124	%	1.00	02/25/2002 14:43	
4-Bromofluorobenzene-FID	85.8	50-150	%	1.00	02/25/2002 14:43	

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

Gas/BTEX Compounds by 8015M/3021

IT Group San Jose

Attn: Andrew Lehane

Test Method: 8021B 8015M

Prep Method: 5030

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CA DHS ELAP#1094

Sample ID:	**MW-2**	Lab Sample ID:	2002-02-0208-003
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/25/2002 11:49
Sampled:	02/12/2002 13:05	QC-Batch:	2002/02/25-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	3500	500	ug/L	10.00	02/25/2002 11:49	g
Benzene	ND	5.0	ug/L	10.00	02/25/2002 11:49	
Toluene	ND	5.0	ug/L	10.00	02/25/2002 11:49	
Ethyl benzene	ND	5.0	ug/L	10.00	02/25/2002 11:49	
Xylene(s)	ND	5.0	ug/L	10.00	02/25/2002 11:49	
MTBE	ND	50	ug/L	10.00	02/25/2002 11:49	
Surrogate(s)						
Trifluorotoluene	82.4	58-124	%	10.00	02/25/2002 11:49	
4-Bromofluorobenzene-FID	78.7	50-150	%	10.00	02/25/2002 11:49	

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

Gas/BTEX Compounds by 8015M/8021

IT Group San Jose

Test Method: 8021B
8015M

Attn: Andrew Lehane

Prep Method: 5030

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CA DHS ELAP#1094

Sample ID:	**MW-3**	Lab Sample ID:	2002-02-0208-005
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/25/2002 12:18
Sampled:	02/12/2002 10:00	QC-Batch:	2002/02/25-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	420	50	ug/L	1.00	02/25/2002 12:18	g
Benzene	ND	0.50	ug/L	1.00	02/25/2002 12:18	
Toluene	ND	0.50	ug/L	1.00	02/25/2002 12:18	
Ethyl benzene	ND	0.50	ug/L	1.00	02/25/2002 12:18	
Xylene(s)	ND	0.50	ug/L	1.00	02/25/2002 12:18	
MTBE	ND	5.0	ug/L	1.00	02/25/2002 12:18	
Surrogate(s)						
Trifluorotoluene	88.4	58-124	%	1.00	02/25/2002 12:18	
4-Bromofluorobenzene-FID	103.2	50-150	%	1.00	02/25/2002 12:18	

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

Gas/BTEX Compounds by 8015M/8021

IT Group San Jose

Attn: Andrew Lehane

Test Method: 8021B 8015M

Prep Method: 5030

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CA DHS ELAP#1094

Sample ID:	**MW-4**	Lab Sample ID:	2002-02-0208-007
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/25/2002 12:47
Sampled:	02/12/2002 10:50	QC-Batch:	2002/02/25-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	92	50	ug/L	1.00	02/25/2002 12:47	g
Benzene	ND	0.50	ug/L	1.00	02/25/2002 12:47	
Toluene	ND	0.50	ug/L	1.00	02/25/2002 12:47	
Ethyl benzene	ND	0.50	ug/L	1.00	02/25/2002 12:47	
Xylene(s)	ND	0.50	ug/L	1.00	02/25/2002 12:47	
MTBE	ND	5.0	ug/L	1.00	02/25/2002 12:47	
Surrogate(s)						
Trifluorotoluene	93.5	58-124	%	1.00	02/25/2002 12:47	
4-Bromofluorobenzene-FID	86.1	50-150	%	1.00	02/25/2002 12:47	

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

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CA DHS ELAP#1094

Gas/BTEX Compounds by 8015M/8021

IT Group San Jose

Attn: Andrew Lehane

Test Method: 8021B
8015M

Prep Method: 5030

Sample ID:	**MW-6**	Lab Sample ID:	2002-02-0208-009
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/25/2002 13:16
Sampled:	02/12/2002 11:45	QC-Batch:	2002/02/25-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	860	50	ug/L	1.00	02/25/2002 13:16	g
Benzene	3.7	0.50	ug/L	1.00	02/25/2002 13:16	
Toluene	ND	0.50	ug/L	1.00	02/25/2002 13:16	
Ethyl benzene	ND	0.50	ug/L	1.00	02/25/2002 13:16	
Xylene(s)	ND	0.50	ug/L	1.00	02/25/2002 13:16	
MTBE	ND	5.0	ug/L	1.00	02/25/2002 13:16	
Surrogate(s)						
Trifluorotoluene	97.3	58-124	%	1.00	02/25/2002 13:16	
4-Bromofluorobenzene-FID	92.7	50-150	%	1.00	02/25/2002 13:16	

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

Gas/BTEX Compounds by 8015M/8021

IT Group San Jose

Attn: Andrew Lehane

Test Method: 8021B
8015M

Prep Method: 5030

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CA DHS ELAP#1094

Sample ID:	**MW-7**	Lab Sample ID:	2002-02-0208-011
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/25/2002 14:56
Sampled:	02/12/2002 09:30	QC-Batch:	2002/02/25-01.05 2002/02/25-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/25/2002 14:56	
Benzene	ND	0.50	ug/L	1.00	02/25/2002 13:45	
Toluene	ND	0.50	ug/L	1.00	02/25/2002 13:45	
Ethyl benzene	ND	0.50	ug/L	1.00	02/25/2002 13:45	
Xylene(s)	ND	0.50	ug/L	1.00	02/25/2002 13:45	
MTBE	ND	5.0	ug/L	1.00	02/25/2002 13:45	
Surrogate(s)						
Trifluorotoluene	88.6	58-124	%	1.00	02/25/2002 13:45	
4-Bromofluorobenzene-FID	72.2	50-150	%	1.00	02/25/2002 14:56	

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

Gas/BTEX Compounds by 8015M/8021

IT Group San Jose

Attn: Andrew Lehane

Test Method: 8021B
8015M

Prep Method: 5030

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CA DHS ELAP#1094

Sample ID:	**MW-8**	Lab Sample ID:	2002-02-0208-013
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/25/2002 14:14
Sampled:	02/12/2002 11:05	QC-Batch:	2002/02/25-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/25/2002 14:14	
Benzene	ND	0.50	ug/L	1.00	02/25/2002 14:14	
Toluene	ND	0.50	ug/L	1.00	02/25/2002 14:14	
Ethyl benzene	ND	0.50	ug/L	1.00	02/25/2002 14:14	
Xylene(s)	ND	0.50	ug/L	1.00	02/25/2002 14:14	
MTBE	ND	5.0	ug/L	1.00	02/25/2002 14:14	
Surrogate(s)						
Trifluorotoluene	96.9	58-124	%	1.00	02/25/2002 14:14	
4-Bromofluorobenzene-FID	81.4	50-150	%	1.00	02/25/2002 14:14	

Submission #: 2002-02-0208

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CA DHS ELAP#1094

Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8015M Prep Method: 5030

Method Blank **Water** **QC Batch # 2002/02/25-01.05**

MB: 2002/02/25-01.05-002 Date Extracted: 02/25/2002 07:51

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/25/2002 07:51	
Surrogate(s)					
4-Bromofluorobenzene-FID	82.6	50-150	%	02/25/2002 07:51	

Submission #: 2002-02-0208

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CA DHS ELAP#1094

Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8015M
8021B

Prep Method: 5030

Method Blank **Water** **QC Batch # 2002/02/25-01.01**

MB: 2002/02/25-01.01-008

Date Extracted: 02/25/2002 10:39

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/25/2002 10:39	
Benzene	ND	0.5	ug/L	02/25/2002 10:39	
Toluene	ND	0.5	ug/L	02/25/2002 10:39	
Ethyl benzene	ND	0.5	ug/L	02/25/2002 10:39	
Xylene(s)	ND	0.5	ug/L	02/25/2002 10:39	
MTBE	ND	5.0	ug/L	02/25/2002 10:39	
Surrogate(s)					
Trifluorotoluene	98.0	58-124	%	02/25/2002 10:39	
4-Bromofluorobenzene-FID	81.4	50-150	%	02/25/2002 10:39	

Submission #: 2002-02-0208

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CA DHS ELAP#109

Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8015M Prep Method: 5030

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/02/25-01.05**

LCS: 2002/02/25-01.05-003 Extracted: 02/25/2002 08:23 Analyzed: 02/25/2002 08:23

LCSD: 2002/02/25-01.05-004 Extracted: 02/25/2002 08:55 Analyzed: 02/25/2002 08:55

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	495	492	500	500	99.0	98.4	0.6	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene	451	452	500	500	90.2	90.4		50-150			

Submission #: 2002-02-0208

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CA DHS ELAP#1094

Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8015M Prep Method: 5030

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/02/25-01.01**

LCS: 2002/02/25-01.01-006 Extracted: 02/25/2002 09:41 Analyzed: 02/25/2002 09:41

LCSD: 2002/02/25-01.01-007 Extracted: 02/25/2002 10:10 Analyzed: 02/25/2002 10:10

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	458	460	500	500	91.6	92.0	0.4	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene	404	402	500	500	80.8	80.4		50-150			

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Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8021B Prep Method: 5030

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/02/25-01.01**

LCS: 2002/02/25-01.01-009 Extracted: 02/25/2002 11:13 Analyzed: 02/25/2002 11:13

LCSD: 2002/02/25-01.01-005 Extracted: 02/25/2002 09:11 Analyzed: 02/25/2002 09:11

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	96.9	91.0	100.0	100.0	96.9	91.0	6.3	77-123	20		
Toluene	101	94.4	100.0	100.0	101.0	94.4	6.8	78-122	20		
Ethyl benzene	98.3	93.0	100.0	100.0	98.3	93.0	5.5	70-130	20		
Xylene(s)	297	278	300	300	99.0	92.7	6.6	75-125	20		
Surrogate(s)											
Trifluorotoluene	519	478	500	500	103.8	95.6		58-124			

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Gas/BTEX Compounds by 8015M/8021

Legend & Notes

Test Method: 8021B
8015M

Prep Method: 5030

Analyte Flags

g

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

Submission #: 2002-02-0208

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CA DHS ELAP#1094

IT Group San Jose	1921 Ringwood Avenue San Jose, CA 95131
Attn: Andrew Lehane	Phone: (408) 453-7300 Fax: (408) 437-9526
805385 Site2901 Glasscock St.	Project: Former Dor Oliversite

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	02/12/2002	1
MW-2	Water	02/12/2002 13:05	3
MW-3	Water	02/12/2002 10:00	5
MW-4	Water	02/12/2002 10:50	7
MW-6	Water	02/12/2002 11:45	9
MW-7	Water	02/12/2002 09:30	11
MW-8	Water	02/12/2002 11:05	13

Submission #: 2002-02-0208

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Misc Anions by Ion Chromatograph

IT Group San Jose
Attn: Andrew Lehane

Test Method: 9056
Prep Method: 9056

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CA DHS ELAP#1094

Sample ID:	**MW-1**	Lab Sample ID:	2002-02-0208-001
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/13/2002
Sampled:	02/12/2002	QC-Batch:	2002/02/13-01.41
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	02/13/2002	
Sulfate	9.0	1.0	mg/L	1.00	02/13/2002	

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IT Group San Jose
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Test Method: 9056
Prep Method: 9056

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CA DHS ELAP#1094

Sample ID:	**MW-2**	Lab Sample ID:	2002-02-0208-003
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/13/2002
Sampled:	02/12/2002 13:05	QC-Batch:	2002/02/13-01.41
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	02/13/2002	
Sulfate	ND	1.0	mg/L	1.00	02/13/2002	

Submission #: 2002-02-0208

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Misc Anions by Ion Chromatograph

IT Group San Jose
Attn: Andrew Lehane

Test Method: 9056
Prep Method: 9056

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Sample ID:	**MW-3**	Lab Sample ID:	2002-02-0208-005
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/13/2002
Sampled:	02/12/2002 10:00	QC-Batch:	2002/02/13-01.41
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Nitrate	2.6	1.0	mg/L	1.00	02/13/2002	
Sulfate	13	1.0	mg/L	1.00	02/13/2002	

Submission #: 2002-02-0208

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Misc Anions by Ion Chromatograph

IT Group San Jose
Attn: Andrew Lehane

Test Method: 9056
Prep Method: 9056

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Sample ID:	**MW-4**	Lab Sample ID:	2002-02-0208-007
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/13/2002
Sampled:	02/12/2002 10:50	QC-Batch:	2002/02/13-01.41
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Nitrate	33	1.0	mg/L	1.00	02/13/2002	
Sulfate	58	2.0	mg/L	2.00	02/13/2002	

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IT Group San Jose
Attn: Andrew Lehane

Test Method: 9056
Prep Method: 9056

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Sample ID:	**MW-6**	Lab Sample ID:	2002-02-0208-009
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/13/2002
Sampled:	02/12/2002 11:45	QC-Batch:	2002/02/13-01.41
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	02/13/2002	
Sulfate	1.8	1.0	mg/L	1.00	02/13/2002	

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Test Method: 9056
Prep Method: 9056

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CA DHS ELAP#1094

Sample ID:	**MW-7**	Lab Sample ID:	2002-02-0208-011
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/13/2002
Sampled:	02/12/2002 09:30	QC-Batch:	2002/02/13-01.41
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Nitrate	69	5.0	mg/L	5.00	02/13/2002	
Sulfate	93	5.0	mg/L	5.00	02/13/2002	

Submission #: 2002-02-0208

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Misc Anions by Ion Chromatograph

IT Group San Jose
Attn: Andrew Lehane

Test Method: 9056
Prep Method: 9056

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Sample ID:	**MW-8**	Lab Sample ID:	2002-02-0208-013
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/13/2002
Sampled:	02/12/2002 11:05	QC-Batch:	2002/02/13-01.41
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Nitrate	37	1.0	mg/L	1.00	02/13/2002	
Sulfate	120	5.0	mg/L	5.00	02/13/2002	

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Misc Anions by Ion Chromatograph

Batch QC report

Test Method: 9056 Prep Method: 9056

Method Blank **Water** **QC Batch # 2002/02/13-01.41**

MB: 2002/02/13-01.41-001 Date Extracted: 02/13/2002

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Nitrate	ND	1.0	mg/L	02/13/2002	
Sulfate	ND	1.0	mg/L	02/13/2002	

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Misc Anions by Ion Chromatograph

Batch QC report

Test Method: 9056 Prep Method: 9056

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/02/13-01.41**

LCS: 2002/02/13-01.41-002 Extracted: 02/13/2002 Analyzed: 02/13/2002

LCSD: 2002/02/13-01.41-003 Extracted: 02/13/2002 Analyzed: 02/13/2002

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Nitrate	19.6	19.5	20.0	20.0	98.0	97.5	0.5	80-120	20		
Sulfate	19.2	19.2	20.0	20.0	96.0	96.0	0.0	80-120	20		

Submission #: 2002-02-0208

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CA DHS ELAP#1094

Misc Anions by Ion Chromatograph

Batch QC Report

Test Method: 9056 Prep Method: 9056

Matrix Spike (MS / MSD)	**Water**	**QC Batch # 2002/02/13-01.41**	
Sample ID: **MW-4 >> MS**		Lab ID:	2002-02-0208-007
MS: 2002/02/13-01.41-004	Extracted: 02/13/2002	Analyzed:	02/13/2002
		Dilution:	1
MSD: 2002/02/13-01.41-005	Extracted: 02/13/2002	Analyzed:	02/13/2002
		Dilution:	1

Compound	Conc. [mg/L]			Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Nitrate	75.1	75.0	33.4	40	40	104.	104.0	0.3	80-120	20		
Sulfate	102	102	57.6	40	40	111.	111.0	0.0	80-120	20		

Submission #: 2002-02-0208

Metals

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IT Group San Jose
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Attn: Andrew Lehane
Phone: (408) 453-7300 Fax: (408) 437-9526

805385
Site2901 Glasscock St.
Project: Former Dor Oliversite

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-6	Water	02/12/2002 11:45	9
MW-8	Water	02/12/2002 11:05	13

Submission #: 2002-02-0208

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Metals

IT Group San Jose
Attn: Andrew Lehane

Test Method: 6010B
Prep Method: 3010A

Sample ID:	**MW-6**	Lab Sample ID:	2002-02-0208-009
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/25/2002 06:29
Sampled:	02/12/2002 11:45	QC-Batch:	2002/02/25-01.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	0.0060	0.0020	mg/L	1.00	02/25/2002 18:22	
Chromium	0.11	0.0050	mg/L	1.00	02/25/2002 18:22	
Lead	0.039	0.0050	mg/L	1.00	02/25/2002 18:22	
Nickel	0.14	0.0050	mg/L	1.00	02/25/2002 18:22	
Zinc	0.15	0.010	mg/L	1.00	02/25/2002 18:22	

Submission #: 2002-02-0208

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Metals

IT Group San Jose
Attn: Andrew Lehane

Test Method: 6010B
Prep Method: 3010A

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Sample ID:	**MW-8**	Lab Sample ID:	2002-02-0208-013
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/25/2002 06:29
Sampled:	02/12/2002 11:05	QC-Batch:	2002/02/25-01.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	ND	0.0020	mg/L	1.00	02/25/2002 18:26	
Chromium	0.036	0.0050	mg/L	1.00	02/25/2002 18:26	
Lead	ND	0.0050	mg/L	1.00	02/25/2002 18:26	
Nickel	0.057	0.0050	mg/L	1.00	02/25/2002 18:26	
Zinc	0.054	0.010	mg/L	1.00	02/25/2002 18:26	

Submission #: 2002-02-0208

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Metals

Batch QC report

Test Method: 6010B Prep Method: 3010A

Method Blank **Water** **QC Batch # 2002/02/25-01.15**

MB: 2002/02/25-01.15-092 Date Extracted: 02/25/2002 06:29

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Cadmium	ND	0.0020	mg/L	02/25/2002 17:24	
Chromium	ND	0.0050	mg/L	02/25/2002 17:24	
Lead	ND	0.0050	mg/L	02/25/2002 17:24	
Nickel	ND	0.0050	mg/L	02/25/2002 17:24	
Zinc	ND	0.010	mg/L	02/25/2002 17:24	

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CA DHS ELAP#1094

Metals

Batch QC report

Test Method: 6010B Prep Method: 3010A

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/02/25-01.15**

LCS: 2002/02/25-01.15-095 Extracted: 02/25/2002 06:29 Analyzed: 02/25/2002 18:13

LCSD: 2002/02/25-01.15-096 Extracted: 02/25/2002 06:29 Analyzed: 02/25/2002 18:17

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Cadmium	0.504	0.524	0.500	0.500	100.8	104.8	3.9	80-120	20		
Chromium	0.510	0.527	0.500	0.500	102.0	105.4	3.3	80-120	20		
Lead	0.508	0.531	0.500	0.500	101.6	106.2	4.4	80-120	20		
Nickel	0.503	0.522	0.500	0.500	100.6	104.4	3.7	80-120	20		
Zinc	0.508	0.524	0.500	0.500	101.6	104.8	3.1	80-120	20		

Submission #: 2002-02-0208

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Dissolved Metals

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Attn: Andrew Lehane	Phone: (408) 453-7300 Fax: (408) 437-9526
805385 Site2901 Glasscock St.	Project: Former Dor Oliversite

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	02/12/2002 12:25	2
MW-2	Water	02/12/2002 13:05	4
MW-3	Water	02/12/2002 10:00	6
MW-4	Water	02/12/2002 10:50	8
MW-6	Water	02/12/2002 11:45	10
MW-7	Water	02/12/2002 09:30	12
MW-8	Water	02/12/2002 11:05	14

Submission #: 2002-02-0208

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Dissolved Metals

IT Group San Jose
Attn: Andrew Lehane

Test Method: 6010B
Prep Method: 3005A

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Sample ID:	**MW-1**	Lab Sample ID:	2002-02-0208-002
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/13/2002 11:10
Sampled:	02/12/2002 12:25	QC-Batch:	2002/02/13-04.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Iron	ND	0.20	mg/L	1.00	02/14/2002 08:16	

Submission #: 2002-02-0208

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Dissolved Metals

IT Group San Jose
Attn: Andrew Lehane

Test Method: 6010B
Prep Method: 3005A

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Sample ID:	**MW-2**	Lab Sample ID:	2002-02-0208-004
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/13/2002 11:10
Sampled:	02/12/2002 13:05	QC-Batch:	2002/02/13-04.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Iron	ND	0.20	mg/L	1.00	02/14/2002 08:20	

Submission #: 2002-02-0208

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Dissolved Metals

IT Group San Jose
Attn: Andrew Lehane

Test Method: 6010B
Prep Method: 3005A

Sample ID:	**MW-3**	Lab Sample ID:	2002-02-0208-006
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/13/2002 11:10
Sampled:	02/12/2002 10:00	QC-Batch:	2002/02/13-04.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Iron	ND	0.20	mg/L	1.00	02/14/2002 10:26	

Submission #: 2002-02-0208

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Dissolved Metals

IT Group San Jose
Attn: Andrew Lehane

Test Method: 6010B
Prep Method: 3005A

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CA DHS ELAP#1094

Sample ID:	**MW-4**	Lab Sample ID:	2002-02-0208-008
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/13/2002 11:10
Sampled:	02/12/2002 10:50	QC-Batch:	2002/02/13-04.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Iron	ND	0.20	mg/L	1.00	02/14/2002 10:31	

Submission #: 2002-02-0208

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Dissolved Metals

IT Group San Jose
Attn: Andrew Lehane

Test Method: 6010B
Prep Method: 3005A

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CA DHS ELAP#1094

Sample ID:	**MW-6**	Lab Sample ID:	2002-02-0208-010
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/13/2002 11:10
Sampled:	02/12/2002 11:45	QC-Batch:	2002/02/13-04.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Iron	ND	0.20	mg/L	1.00	02/14/2002 10:35	

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

Dissolved Metals

IT Group San Jose
Attn: Andrew Lehane

Test Method: 6010B
Prep Method: 3005A

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Sample ID:	**MW-7**	Lab Sample ID:	2002-02-0208-012
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/13/2002 11:10
Sampled:	02/12/2002 09:30	QC-Batch:	2002/02/13-04.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Iron	ND	0.20	mg/L	1.00	02/14/2002 10:40	

SEVERN TRENT SERVICES

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Dissolved Metals

IT Group San Jose
Attn: Andrew Lehane

Test Method: 6010B
Prep Method: 3005A

Sample ID:	**MW-8**	Lab Sample ID:	2002-02-0208-014
Project:	805385 Former Dor Oliversite	Received:	02/12/2002 14:40
Site:	2901 Glasscock St. Oakland, CA	Extracted:	02/13/2002 11:10
Sampled:	02/12/2002 11:05	QC-Batch:	2002/02/13-04.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Iron	ND	0.20	mg/L	1.00	02/14/2002 10:44	

Submission #: 2002-02-0208

SEVERN TRENT SERVICES

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Dissolved Metals

Batch QC report

Test Method: 6010B Prep Method: 3005A

Method Blank **Water** **QC Batch # 2002/02/13-04.15**

MB: 2002/02/13-04.15-011 Date Extracted: 02/13/2002 11:10

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Iron	ND	0.20	mg/L	02/14/2002 06:48	

SEVERN TRENT SERVICES

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Dissolved Metals

Batch QC report

Test Method: 6010B Prep Method: 3005A

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2002/02/13-04.15**

LCS: 2002/02/13-04.15-012 Extracted: 02/13/2002 11:10 Analyzed: 02/14/2002 06:53

LCSD: 2002/02/13-04.15-013 Extracted: 02/13/2002 11:10 Analyzed: 02/14/2002 06:57

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Iron	5.07	4.95	5.00	5.00	101.4	99.0	2.4	80-120	20		

FIELD SERVICES REQUEST

SITE INFORMATION FORM

Identification

Project # 805385-~~0100000~~ 02000000
Station ID Former Dorr-Olive Site
Site Address: ~~2901 Glascock St.~~
Oakland
Lab: ~~Seaport~~ Chromalab
County: Alameda
Project Manager: Andrew D. Lehane
Requester: ADL
Client: ~~Glascock Street Properties~~ ICONCO
Client P.O.C: ~~Dennis Bowen~~ GARY MARTZ
Date of Request: December 11, 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**

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 WEARHOUSE 510)5301788

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) and oxidation reduction potential (ORP) readings from MW-1, 2, and 6 **before & after** purging. Request analysis for the following on normal TAT:

Quarterly, all wells — TPPH-g, TEPH-d*, TEPH-mo*, BTEX, MtBE, nitrates, sulfates, *ferrous iron *PRESERVE UPON ARRIVAL

Annually (1st qtr), 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 filtration by 0.7 micron glass TCLP filter followed by silica gel clean-up by method 3630B without solvent exchange"

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

Completed By: Peter Ruiz Date: 2/12/02

Pacific Environmental Group, Inc.

the group

FIELD REPORT

DEPTH TO WATER/SEPARATE-PHASE HYDROCARBON SURVEY

PROJECT No.: 805385 LOCATION: 2901 Glascock St DATE: 2-12-02

CLIENT/STATION NO.: Olivee S.S. FIELD TECHNICIAN: [illegible] DAY OF WEEK: Tue

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	Weathered	Gas	Oil	VISCOSITY: Lite	Medium	Heavy	LIQUID REMOVED (gallons) SPH / H_2O
	MW-1		-	-	-	✓		19.80	8.17 / 8.17	8.35 / 8.35										
	MW-2		-	-	-	-		17.75	6.68 / 6.68	6.97 / 6.97										
	MW-3		-	○	-	-		19.80	5.68 / 5.68	6.04 / 6.04										
	MW-4		-	-	-	-		19.70	7.35 / 7.35	7.75 / 7.75										
	MW-6		-	-	-	-		19.50	9.10 / 9.10	9.55 / 9.55										
	MW-7		-	-	-	-		17.75	3.70 / 3.70	4.12 / 4.12										
	MW-8		-	-	-	-		17.70	8.73 / 8.73	9.32 / 9.32										
									/	/										
									/	/										

Comments: _____

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 805385 LOCATION 2901 Glascock st WELL ID #: MW-4

CLIENT/STATION No.: Toler 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 19.80 DTW 8.17 = 11.63 x Gal/Linear Foot .17 = 1.97 x Number of Casings 3 = Calculated Purge 5.93

DATE PURGED: 2/20/02 START: 12:00 END (2400 hr): — PURGED BY: PE

DATE SAMPLED: 2/20/02 START: 12:25 END (2400 hr): — SAMPLED BY: PE

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (° F)	COLOR	TURBIDITY	ODOR
12:08	2.0	8.18	1380	60.8	Cloudy	Trace	Strong
12:15	4.0	8.13	1350	61.2	Cloudy	Trace	Strong
12:20	6	7.70	1380	61.9	Cloudy	Trace	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: _____
- ☐ Airlift Pump: _____
- ☐ Centrifugal Pump: _____
- ☐ Dedicated: _____
- ☐ Other: _____

SAMPLING EQUIPMENT/I.D. #
- ☑ Bailer: Disposable
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW-1	2/20/02	12:25	3	40ml	VOA	HCL	GAS, BTEX, MTBE
			2	1L	Amb	NP	TPH-D, TPH-MO
			1	500	Plast	NP	Nitrate, Sulfate
			1	500	Plast	NP	Ferrous Iron
			1	1L	Plast	HNO3	Metals

REMARKS: DO: 9.4/10 ppm
ORP: 057/078

SIGNATURE: _____

the i group

FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 805385 LOCATION 2901 Glascock st WELL ID #: MW-2

CLIENT/STATION No.: Torr. 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 6.68 = 11.07 x Gal/Linear Foot .17 = 1.88 x Number of Casings 3 = Calculated Purge 5.64

DATE PURGED: 2/20/08 START: 1245 END (2400 hr): _____ PURGED BY: PE

DATE SAMPLED: 2/20/08 START: 1305 END (2400 hr): _____ SAMPLED BY: PE

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (° F)	COLOR	TURBIDITY	ODOR
1250	1.90	7.26	1.68	62.0	yellow	Moderate	Strong
1255	3.80	7.24	1.76	62.3	yellow	moderate	strong
1300	5.70	7.25	1.77	62.3	yellow	moderate	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: _____
- ☐ Airlift Pump: _____
- ☐ Centrifugal Pump: _____
- ☐ Dedicated: _____
- ☐ Other: _____

SAMPLING EQUIPMENT/I.D. #
- ☑ Bailer: D. Saad
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW2	2/20/08	1305	3	40ml	VOA	HCL	GAS, BTEX, MTBE
		↓	2	1L	Amb	NP	TPH-D, TPH-MO
			1	500	Plast	NP	Nitrate, Sulfate
			1	500	Plast	NP	FERROUS IRON
				1L	Plast	HNO3	Metals

REMARKS: DO: 1/1
ORP: 053/051

SIGNATURE: _____

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FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 805385 LOCATION 2901 Glascock st WELL ID #: MW-3

CLIENT/STATION No.: Foss 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 1980 - DTW 668 = 13.12 x Gal/Linear Foot .17 = 223 x Number of Casings 3 = Calculated Purge 669

DATE PURGED: 2/10/02 START: 9:45 END (2400 hr): — PURGED BY: PE

DATE SAMPLED: 2/10/02 START: 10:00 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
9:48	225	7.02	1460	56.9	Cloudy	Mod	Mod
9:52	4.6	7.55	1476	58.4	Cloudy	Mod	Mod
9:56	6.76	7.48	1460	60.5	Cloudy	Mod	Mod

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

SAMPLING EQUIPMENT/I.D. #
- ☑ Bailer: P-5003
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW-3	2/10/02	10:00	3	40ml	VOA	HCL	GAS, BTEX, MTBE
		↓	2	1L	Amb	NP	TPH-D, TPH-MO
			1	500	Plast	NP	Nitrate, Sulfate
			1	500	Plast	NP	Ferrous Iron
				1L	Plast	HNO_3	Metals

REMARKS: DO:

ORP:

SIGNATURE: _____

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FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 805385 LOCATION 2901 Glascock st WELL ID #: MW-4

CLIENT/STATION No.: Ford 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 19.70 DTW 7.35 # 1.35 x Gal/Linear Foot .17 = 2.09 x Number of Casings 3 = Calculated Purge 6.29

DATE PURGED: 2/10/02 START: 10:35 END (2400 hr): — PURGED BY: PE

DATE SAMPLED: 2/10/02 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	7.64	8.72	6.00	Cloudy	Mod	Light
10:41	4	7.62	8.73	6.06	Cloudy	Mod	Light
10:44	6	7.71	8.74	6.07	Cloudy	Mod	Light

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

SAMPLING EQUIPMENT/I.D. #
- ☑ Bailer: D-3003
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW-4	2/10/02	10:50	3	40ml	VOA	HCL	GAS, BTEX, MTBE
			2	1L	Amb	NP	TPH-D, TPH-MO
			1	500	Plast	NP	Nitrate, Sulfate
			1	500	Plast	NP	Ferrous Iron
			1L	Plast	HNO3		Metals

REMARKS: DO:
ORP:

SIGNATURE: _____

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WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 805385 LOCATION 2901 Glascock st WELL ID #: MW-6

CLIENT/STATION No.: Foss 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 19.50 - DTW 9.10 = 10.40 x Gal/Linear Foot .17 = 1.76 x Number of Casings 3 = Calculated Purge 5.30

DATE PURGED: 2/10/02 START: 11:28 END (2400 hr): — PURGED BY: PE

DATE SAMPLED: 2/10/02 START: 11:45 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
1131	1.75	7.54	15.10	58.7	yellow	Moderate	Faint
1134	3.50	7.42	14.20	59.7	yellow	moderate	Faint
1139	5.30	7.35	15.29	59.8	yellow	moderate	Faint

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

SAMPLING EQUIPMENT/I.D. #
- ☑ Bailer: D. Sapp
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW6	2/10/02	1145	3	40ml	VOA	HCL	GAS, BTEX, MTBE
		↓	2	1L	Amb	NP	TPH-D, TPH-MO
		↓	1	500	Plast	NP	Nitrate, Sulfate
		↓	1	500	Plast	NP	FERROUS IRON
				1L	Plast	HNO3	Metals

REMARKS: DO: 1.0 / 1.0
ORP: -121 / -107

SIGNATURE: _____

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FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 805385 LOCATION 2901 Glascock st WELL ID #: MW-7

CLIENT/STATION No.: Toro 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 3.70 = 14.05 x Gal/Linear Foot .17 = 2.38 x Number of Casings 3 = Calculated Purge 7.16

DATE PURGED: 2/10/22 START: 9:16 END (2400 hr): — PURGED BY: PE

DATE SAMPLED: 2/10/22 START: 9:30 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
9:19	2.25	7.49	1340	55.9	Clear	Light	None
9:23	4.6	7.51	1320	57.0	Clear	Light	None
9:26	6.75	7.52	1330	57.7	Clear	Light	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: _____
- ☐ Airlift Pump: _____
- ☐ Centrifugal Pump: _____
- ☐ Dedicated: _____
- ☐ Other: _____

SAMPLING EQUIPMENT/I.D. #
- ☑ Bailer: D-5003
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW-7	2/10/22	9:30	3	40ml	VOA	HCL	GAS, BTEX, MTBE
			2	1L	Amb	NP	TPH-D, TPH-MO
			1	500	Plast	NP	Nitrate, Sulfate
			1	500	Plast	NP	Ferrous Iron
				1L	Plast	HNO3	Metals

REMARKS: DO:
ORP:

SIGNATURE: _____

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WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 805385 LOCATION 2901 Glascock st WELL ID #: MW-8

CLIENT/STATION No.: Ford 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 17.70 DTW 8.73 = 8.97 x Gal/Linear Foot .17 = 1.52 x Number of Casings 3 = Calculated Purge 4.67

DATE PURGED: 2/10/02 START: 10:59 END (2400 hr): — PURGED BY: PE

DATE SAMPLED: 2/10/02 START: 11:05 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
1101	1.5	8.04	19.23	59.2	yellow	cloudy	none
1102	3.0	8.02	19.64	60.5	yellow	cloudy	none
1103	4.5	8.00	18.95	61.0	yellow	cloudy	non

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

SAMPLING EQUIPMENT/I.D. #
- ☑ Bailer: D-3005
- ☐ Dedicated: _____
- ☐ Other: _____

SAMP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
MW-8	2/10/02	1105	3	40ml	VOA	HCL	GAS, BTEX, MTBE
		"	2	1L	Amb	NP	TPH-D, TPH-MO
		"	1	500	Plast	NP	Nitrate, Sulfate
		"	1	500	Plast	NP	Ferrous Iron
				1L	Plast	HNO3	Metals

REMARKS: DO:
ORP:

SIGNATURE: _____

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Chain of Custody

the igroup

IT Corporation
1921 Ringwood Avenue
San Jose, CA 95131-1721
Office 408.453.7300 Fax 408.437.9526

PROJECT No. 805385

Facility No. Former Dor Oil Site | Facility Address: 2901 Glascock St Oakland

CLIENT engineer: Dennis Duran | PACIFIC Point of Contact: Andrew Lehnert | Sampler:

Billing Refence Number:

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 Dslvd. Metals	VOC (EPA 624/ 8240)	SVOC (EPA 527/ 8270)	Chlorinated Hydrocarbons (8010)	Fuel Fingerprint as Diesel & Motor Oil	Ferrous Iron	Nitrates Sulfates 300.0	Cadmium, Chromium, Lead, Nickel, Zinc
MW-1	7	40ml 500ml	HCl NP	W	G	2/12/02	12:25	X							X	X	X	
MW-2							13:05											
MW-3							10:00											
MW-4							10:50											
MW-6	8		HCl NP HNO3				11:45							X				X
MW-7	7		HCl NP				9:30											
MW8	8		HCl NP HNO3				11:05							X				X

Comments:

*Ferrous Iron Preserve upon arrival

**Fuel Fingerprint as Diesel & Motor Oil w/ Filtration by 0.7 micron glass TCLP filter followed by silica gel cleanup by EPA Method 3630B without solvent exchange"

Condition of Sample:

Temperature Received:

Relinquished by	Date	Time	Received by	Date	Time
	2/12/02	13:40			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
				2/12/02	14:40
Relinquished by	Date	Time	Received by laboratory	Date	Time

Mail original Analytical Report to:

IT Corporation
1921 Ringwood Avenue
San Jose, CA 95131-1721

Turnaround Time:

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