



January 22, 1996

Scott Seery
Alameda County Department of
Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: Fourth Quarter 1995

Shell Service Station
WIC #204-5508-3301
6039 College Avenue
Oakland, California
WA Job #81-0618-205

Dear Mr. Seery:

This status report satisfies the quarterly reporting requirements prescribed by California Administrative Code Title 23 Waters, Division 3, Chapter 16, Article 5, Section 2652.d.

Fourth Quarter 1995 Activities:

- Blaine Tech Services, Inc. (BTS) of San Jose, California measured depths to ground water and collected ground water samples from the site wells. The BTS report describing these activities and the analytic results for ground water are included as Attachment A.
- Weiss Associates (WA) compiled the ground water elevation and analytic data (Tables 1 and 2) and prepared a map showing ground water elevations and benzene concentrations (Figure 2). SPH removal data is included in Table 3. **To date, over 10 pounds of SPHs have been removed from the subsurface.**

Anticipated First Quarter 1996 Activities:

- WA will submit a report presenting the results of first quarter 1996 ground water sampling and ground water depth measurements. The report will include tabulated chemical analytic results and a ground water elevation contour map.

Scott Seery
January 22, 1996

Conclusions and Recommendations:

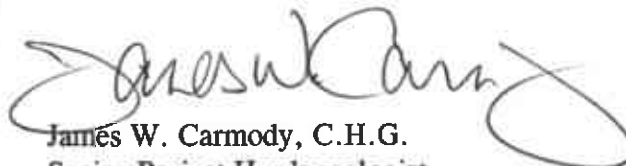
WA recommends continued monitoring of dissolved hydrocarbon concentrations in ground water. Despite the fact that hydrocarbons were detected in soil borings between wells MW-4 and MW-5, no total petroleum hydrocarbons as gasoline (TPH-G) or benzene, ethylbenzene, toluene and xylenes (BETX) have been detected in ground water samples collected from well MW-5 since it was installed in 1991. No BETX compounds or more than 120 ppb TPH-G have consistently been detected in ground water samples collected from downgradient well MW-6. Therefore, it appears the downgradient extent of hydrocarbons in ground water has been fully assessed.

Please call if you have any questions.

Sincerely,
Weiss Associates




Grady S. Glasser
Technical Assistant


James W. Carmody, C.H.G.
Senior Project Hydrogeologist

Attachments: A - BTS Ground Water Monitoring Report

cc: R. Jeff Granberry, Shell Oil Products Company, P.O. Box 4023, Concord, CA 94524
Tom Callaghan, San Francisco Bay Regional Water Quality Control Board, 2101 Webster
Street, Oakland, CA 94612

GSG/JWC:sjh
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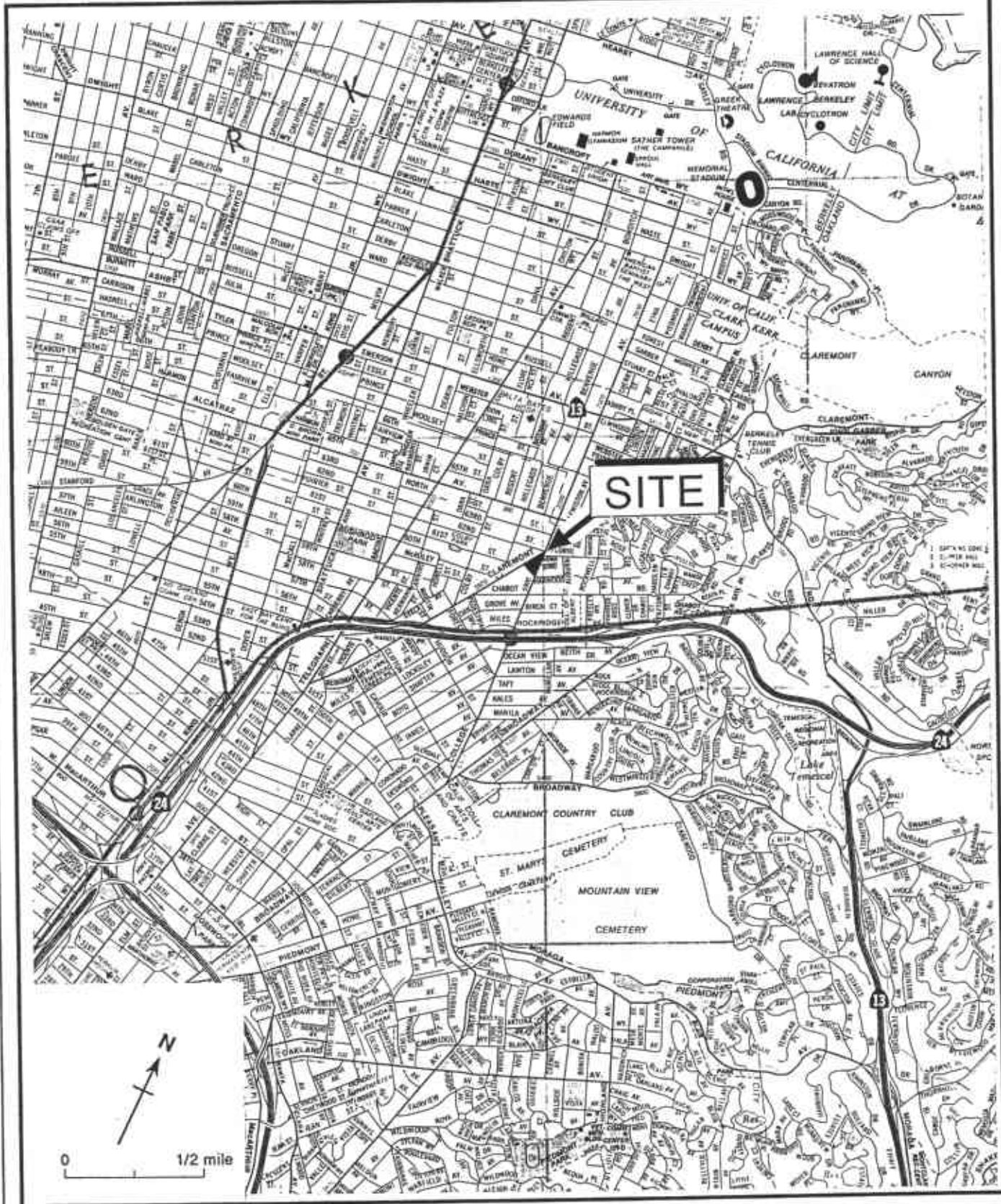


Figure 1. Site Location Map - Shell Service Station WIC #204-5508-3301, 6039 College Avenue, Oakland, California

EXPLANATION

- ⊙ MW-1 Monitoring well
- 177.65 Ground water elevation, ft above mean sea level
- [<0.5] Benzene concentrations in parts per billion (ppb)
- 177.0 Ground water elevation contour, ft above mean sea level, approximately located, dashed where inferred
- Inferred ground water flow direction

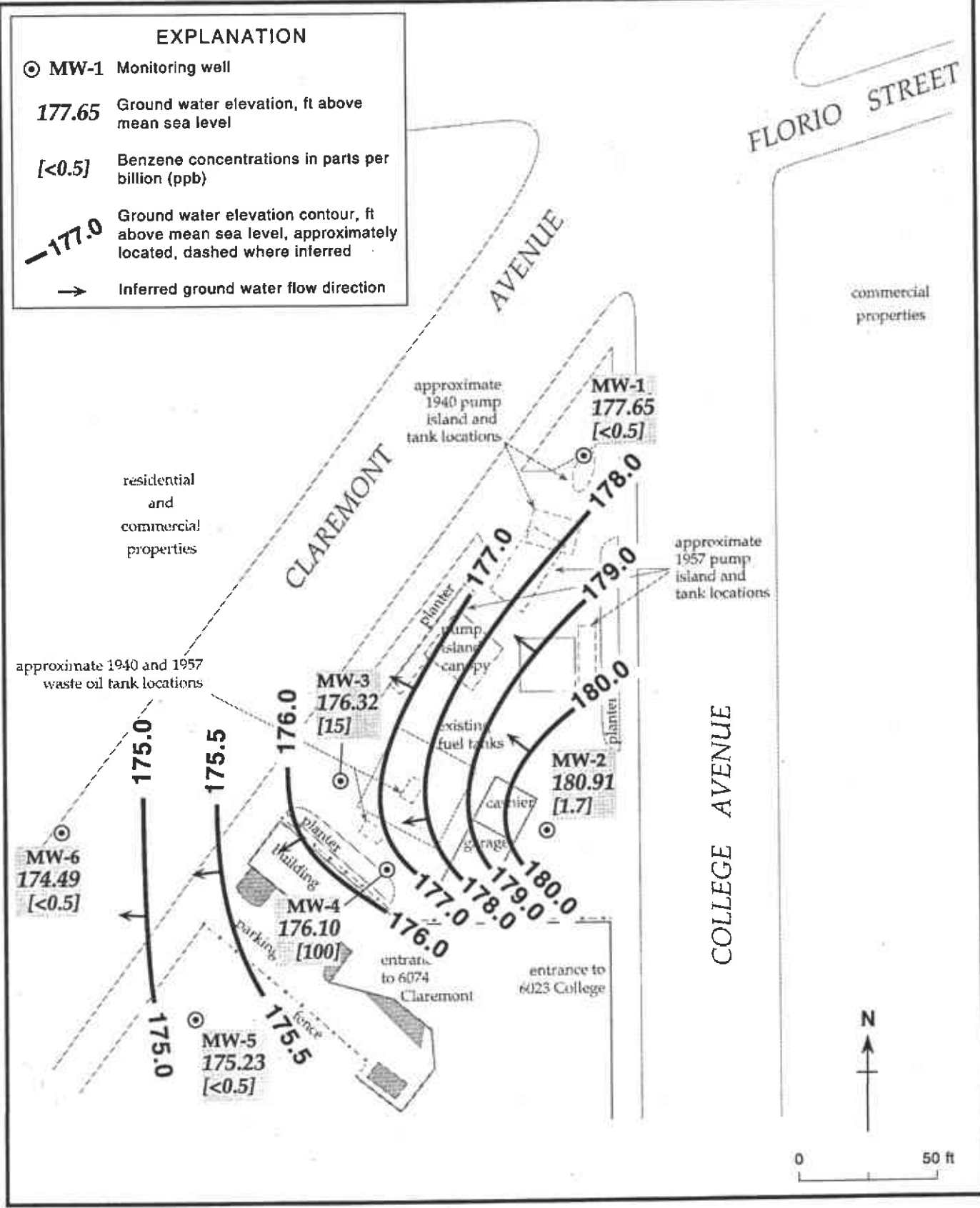


Figure 2. Monitoring Well Locations, Ground Water Elevation Contours, and Benzene Concentrations in Ground Water - November 10, 1995 - Shell Service Station WIC #204-5508-3301, 6039 College Avenue, Oakland, California

Table 1. Ground Water Elevations - Shell Service Station WIC #204-5508-3301,
6039 College Avenue, Oakland, California

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft)	Separate-Phase Hydrocarbon Thickness (ft)	Ground Water Elevation (ft above msl) ^a
MW-1	02/15/90	195.89	17.73		178.16
	04/19/90		18.51		177.38
	05/14/90		18.92		176.97
	06/21/90		18.21		177.68
	09/12/90		19.81		176.08
	11/27/90		20.39		175.50
	03/08/91		16.85		179.04
	06/03/91		17.82		178.07
	08/30/91		19.87		176.02
	11/22/91		20.58		175.31
	03/18/92		13.55		182.34
	05/28/92		17.08		178.81
	08/19/92		19.07		176.82
	11/17/92		20.11		175.78
	02/12/93		12.10		183.79
	06/10/93		14.87		181.02
	08/18/93		16.90		178.99
	11/19/93		19.72		176.17
	02/28/94		15.08		180.81
	05/04/94		17.20		178.69
	08/10/94		18.76		177.13
	11/08/94		16.00		179.89
	02/01/95		10.18		185.71
05/10/95	11.88		184.01		
08/24/95	15.60		180.29		
	11/10/95		18.24		177.65
MW-2	02/15/90	194.27	16.90		177.37
	04/19/90		17.69		176.58
	05/14/90		18.01		176.26
	06/21/90		17.39		176.88
	09/12/90		19.00		175.27
	11/27/90		19.44		174.83
	03/08/91		15.96		178.31
	06/03/91		17.00		177.27
	08/30/91		18.95		175.32
	11/22/91		19.55		174.72
	03/18/92		12.91		181.36
	05/28/92		16.25		178.02
	08/19/92		18.21		176.06
	11/17/92		19.15		175.12
	02/12/93		11.60		182.67
	06/10/93		14.14		180.13

Table 1. Ground Water Elevations - Shell Service Station WIC #204-5508-3301, 6039 College Avenue, Oakland, California (continued)

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft)	Separate-Phase Hydrocarbon Thickness (ft)	Ground Water Elevation (ft above msl) ^a
	08/18/93		16.10		178.17
	11/19/93		18.77		175.50
	02/28/94		14.35		179.92
	05/04/94		16.34		177.93
	08/10/94		15.79		178.48
	11/08/94		15.04		179.23
	02/01/95		10.08		184.19
	05/10/95		11.68		182.59
	08/24/95		14.94		179.33
	11/10/95		13.36		180.91
MW-3	02/15/90	192.52	15.81		176.71
	04/19/90		16.57		175.95
	05/14/90		16.97		175.55
	06/21/90		16.27		176.25
	09/12/90		18.78		173.74
	11/27/90		18.27		174.25
	03/08/91		14.86		177.66
	06/03/91		15.84		176.68
	08/30/91		17.79		174.73
	11/22/91		18.40		174.12
	03/18/92		12.03		180.49
	05/28/92		15.16		177.36
	08/19/92		17.03		175.49
	11/17/92		17.94		174.58
	02/12/93		9.16		183.36
	06/10/93		13.20		179.32
	08/18/93		14.93		177.59
	11/19/93		17.58		174.94
	02/28/94		13.30		179.22
	05/04/94		15.25		177.27
	08/10/94		16.63		175.89
	11/08/94		13.88		178.64
	02/01/95		9.25		183.27
	05/10/95		10.76		181.74
	08/24/95		13.90		178.62
	11/10/95		16.20		176.32
MW-4	02/15/90	193.37	16.73		176.65
	04/19/90		17.48		175.89
	05/14/90		17.88		175.49
	06/21/90		17.18		176.19
	09/12/90		17.85		175.52

Table 1. Ground Water Elevations - Shell Service Station WIC #204-5508-3301, 6039 College Avenue, Oakland, California (continued)

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft)	Separate-Phase Hydrocarbon Thickness (ft)	Ground Water Elevation (ft above msl) ^a
	11/27/90		19.16		174.21
	03/08/91		15.77		177.60
	06/03/91		16.77		176.60
	08/30/91		18.71		174.66
	11/22/91		---		---
	03/18/92 ^a		13.15	0.24	180.41
	05/28/92 ^a		16.22	0.12	177.25
	08/19/92 ^a		18.05	0.09	175.39
	11/17/92		18.89		174.48
	02/12/93		11.78	<0.01	181.59
	06/10/93		14.20		179.17
	08/18/93		15.95	0.01	177.43
	11/19/93		18.48	0.01	174.90
	02/28/94		14.60	<0.01	178.77
	05/04/94		16.15	<0.01	177.22
	08/10/94		17.58	0.02	175.81
	11/08/94		15.05	0.05	178.36
	02/01/95		10.71	0.04	182.69
	05/10/95		11.90	0.06	181.52
	08/24/95		14.97	0.02	178.42
	11/10/95		17.27	---	176.10
MW-5	08/30/91	190.35	16.74		173.61
	11/22/91		17.27		173.08
	03/18/92		11.28		179.07
	05/28/92 ^b		---		---
	08/19/92		15.99		174.36
	11/17/92		16.84		173.51
	02/12/93		10.30		180.05
	06/10/93		12.36		177.99
	08/18/93		14.02		176.33
	11/19/93		16.50		173.85
	02/28/94		12.55		177.80
	05/04/94		14.27		176.08
	08/10/94		15.60		174.75
	11/08/94		12.85		177.50
	02/01/95		8.98		181.37
	05/10/95		10.16		180.19
	08/24/95		12.98		177.37
	11/10/95		15.12		175.23

Table 1. Ground Water Elevations - Shell Service Station WIC #204-5508-3301, 6039 College Avenue, Oakland, California (continued)

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft)	Separate-Phase Hydrocarbon Thickness (ft)	Ground Water Elevation (ft above msl) ^a
MW-6	09/21/93	189.05	14.64		174.41
	11/19/93		---		---
	02/28/94		12.18		176.87
	05/04/94		13.62		175.43
	08/10/94		14.98		174.07
	11/08/94		12.20		176.85
	02/01/95		8.70		180.35
	05/10/95		9.86		179.19
	08/24/95		12.46		176.59
	11/10/95		14.56		174.49

Notes:

- a = When separate-phase hydrocarbons are present, ground water elevation is corrected by the relation: Corrected ground water elevation = (Top-of-Casing Elevation) - (depth to water) + (0.8 x separate-phase hydrocarbon thickness)
- b = Well inaccessible
- = Data not available

Table 2. Analytic Results for Ground Water - Shell Service Station WIC #204-5508-3301, 6039 College Avenue, Oakland, California

Well/Boring ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D	TPH-MO	POG	B E T X					SVOCs
							parts per billion (µg/L)					
MW-1	02/13/90	17.73	95	650	770	---	ND	0.37	0.67	3.2	---	
	05/14/90	18.92	95	ND	770	---	0.70	0.71	0.57	3.5	---	
	09/12/90	19.81	ND	84	ND	---	ND	ND	ND	ND	---	
	11/27/90	20.39	---	---	---	---	---	---	---	---	---	
	03/08/91	16.85	ND	50	ND	---	ND	ND	ND	ND	---	
	06/03/91	17.82	ND	ND	ND	---	ND	ND	ND	ND	---	
	08/30/91	19.87	16.85	520	ND	---	ND	ND	ND	ND	---	
	11/22/91	20.58	<50	<50	<500	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
	03/18/92	13.55	<30	<50	---	---	<0.3	<0.3	<0.3	<0.3	<0.3	---
	05/28/92	17.08	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
	08/19/92	19.07	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
	11/17/92	20.11	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
	02/12/93	12.10	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
	06/10/93	14.87	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
	06/10/93 ^{dup}	14.87	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
	08/18/93	16.90	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
	11/19/93	19.72	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
	02/18/94	15.08	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	1.7	---
	05/04/94	17.20	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
	08/10/94	18.76	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
	08/10/94 ^{dup}	18.76	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
	11/08/94	16.00	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
	02/01/95	10.18	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
05/10/95	11.88	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---	
08/24/95	15.60	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---	
11/10/95	18.24	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---	
MW-2	02/13/90	16.90	ND	560	ND	---	ND	ND	ND	ND	---	
	05/14/90	18.01	ND	ND	ND	---	ND	ND	ND	ND	---	
	09/12/90	19.00	ND	ND	ND	---	ND	ND	ND	ND	---	
	11/27/90	19.44	ND	ND	ND	---	ND	ND	ND	ND	---	
	03/08/91	15.96	ND	ND	ND	---	ND	ND	ND	ND	---	
	06/03/91	17.00	ND	ND	ND	---	ND	ND	ND	ND	---	
	08/30/91	18.95	ND	ND	ND	---	ND	ND	ND	ND	---	
	11/22/91	19.55	<50	<50	<500	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
	03/18/92	12.91	<30	---	---	---	<0.3	<0.3	<0.3	<0.3	<0.3	---
	05/28/92	16.25	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---

Table 2. Analytic Results for Ground Water - Shell Service Station WIC #204-5508-3301, 6039 College Avenue, Oakland, California (continued)

Well/Boring ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D	TPH-MO	POG	B E T X SVOCs				
							parts per billion (µg/L)				
	08/19/92	18.21	<50	---	---	---	<0.5	1.2	2	1.9	---
	11/17/92	19.15	<50	---	---	---	<0.5	1.2	2	1.9	---
	02/12/93 ^{dup}	11.60	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	02/12/93	11.60	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	06/10/93	14.14	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	08/18/93	16.10	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	08/18/93 ^{dup}	16.10	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	11/19/93	18.77	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	02/18/94	14.55	<50	---	---	---	<0.5	<0.5	<0.5	1.6	---
	05/04/94	16.34	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	08/10/94	15.79	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	11/08/94	15.04	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	02/01/95	10.08	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	05/10/95	11.68	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	08/24/95	14.94	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	11/10/95	13.36	<50	---	---	---	1.7	1.4	0.8	4.9	---
MW-3	02/13/90	15.81	4,700	3,100	3,000	---	320	110	29	33	---
	02/13/90 ^{dup}	15.81	4,600	4,500	8,300	---	380	160	8.6	57	---
	05/14/90	16.97	1,400	620	40,000	---	130	40	8.6	17	---
	05/14/90 ^{dup}	16.97	8,200	660	10,000	---	120	38	31	13	---
	09/12/90	18.78	2,000	1,500	19,000	---	58	16	5.8	15	---
	11/27/90	18.27	540	240	460	---	18	8.7	1.5	2.5	---
	03/08/91	14.86	3,400	2,100	ND	---	630	270	33	18	---
	06/03/91	15.84	1,700	690 ^d	ND	---	260	98	13	24	---
	08/30/91	17.79	870	370 ^b	500	---	44	10	6.1	2.9	---
	11/22/91	18.40	310	140	500	---	18	3.3	1.2	2.9	---
	03/18/92	12.03	67,100	1,900	20,000	---	620	220	28	38	---
	05/28/92	15.16	2,300	1,100 ^c	4,600	---	200	71	9	17	---
	08/19/92	17.03	5,700	1,000 ^c	1,800	---	71	52	77	130	---
	11/17/92	17.94	3,600	160 ^c	1,200	---	16	24	8.6	50	---
	02/12/93	9.16	4,700	560 ^c	<50	---	820	130	58	77	---
	06/10/93	13.20	2,200	---	940 ^d	---	310	89	23	23	---
	08/18/93	14.93	260	---	460 ^d	---	27	7.0	2.0	2.2	---
	11/19/93	17.58	1,500 ^c	---	960 ^d	<5,000	24	37	54	17	---
	02/18/94	13.30	2,700	---	1,600	<5,000	65	16	5.2	6.3	---
	02/18/94 ^{dup}		3,100	---	2,200	<5,000	82	19	6.7	7.9	---

Table 2. Analytic Results for Ground Water - Shell Service Station WIC #204-5508-3301, 6039 College Avenue, Oakland, California (continued)

Well/Boring ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D	TPH-MO	parts per billion (µg/L)					SVOCs
						B	E	T	X		
	05/04/94	15.25	780	---	710	<5,000	120	21	7.5	6.9	f
	05/04/94 ^{dup}	15.25	920	---	1,600	<5,000	120	22	7.7	7.1	g
	08/10/94	16.63	920	---	<500	<5,000	20	3.0	2.3	2.2	r
	11/08/94	13.88	1,300	---	1,300	---	180	7.0	16	12	
	11/08/94 ^{dup}	13.88	1,200	---	730	---	170	7.2	15	11	
	02/01/95	9.25	1,400	---	900 ^f	---	210	11	8.5	8.7	t
	05/10/95	10.76	460	---	---	<5,000	97	1.0	10	19	r
	08/24/95	13.90	640	---	---	<5,000	68	14	21	19	u
	11/10/95	16.20	350	---	---	<5,000	15	1.2	2.3	2.5	
MW-4	02/13/90	16.73	ND	1,200	3,000	---	ND	ND	ND	ND	---
	05/14/90	17.88	650	350	12,000	---	160	1.9	7	3.1	---
	09/12/90	17.85	440	260	2,600	---	91	0.75	1.1	0.79	---
	09/12/90 ^{dup}	17.85	520	1,100	16,000	---	85	0.71	0.71	0.81	---
	11/27/90	19.16	470	2,400	1,000	---	64	0.80	1.2	2.7	---
	03/08/91	15.77	1,100	2,600	15,000	---	330	88	3.5	5.8	---
	06/03/91	16.77	670 ^h	1,100 ⁱ	ND	---	240	1.6	2.3	2.3	---
	08/30/91	18.71	570	280 ^j	2,000	---	64	0.9	1.8	0.9	---
	11/22/91 ^{SPH}	---	---	---	---	---	---	---	---	---	---
	03/18/92 ^{SPH}	13.15	---	---	---	---	---	---	---	---	---
	05/28/92 ^{SPH}	16.22	---	---	---	---	---	---	---	---	---
	08/19/92 ^{SPH}	18.05	---	---	---	---	---	---	---	---	---
	11/17/92 ^{SPH}	18.89	---	---	---	---	---	---	---	---	---
	02/12/93 ^{SPH}	11.78	---	---	---	---	---	---	---	---	---
	06/10/93	14.20	---	---	---	---	---	---	---	---	---
	08/18/93 ^{SPH}	15.95	---	---	---	---	---	---	---	---	---
	11/19/93 ^{SPH}	18.48	---	---	---	---	---	---	---	---	---
	02/28/94 ^{SPH}	14.60	---	---	---	---	---	---	---	---	---
	05/04/94 ^{SPH}	16.15	---	---	---	---	---	---	---	---	---
	08/10/94 ^{SPH}	17.58	---	---	---	---	---	---	---	---	---
	11/08/94 ^{SPH}	15.05	---	---	---	---	---	---	---	---	---
	02/01/95 ^{SPH}	10.71	---	---	---	---	---	---	---	---	---
	05/10/95	11.90	---	---	---	---	---	---	---	---	---
	08/24/95	14.97	---	---	---	---	---	---	---	---	---
	11/10/95	17.27	4,700	---	---	29,000	100	23	22	38	---



Table 2. Analytic Results for Ground Water - Shell Service Station WIC #204-5508-3301, 6039 College Avenue, Oakland, California (continued)

Well/Boring ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D	TPH-MO	POG	parts per billion (µg/L)					SVOCs
							B	E	T	X		
MW-5	08/30/91	16.74	ND	80	ND	---	ND	ND	ND	ND	---	
	11/22/91	17.27	<50	<50	<500	---	<0.5	<0.5	<0.5	<0.5	---	
	03/18/92	11.28	<30	<50	---	---	<0.3	<0.3	<0.3	<0.3	---	
	05/28/92 ^j	---	---	---	---	---	---	---	---	---	---	
	08/19/92	15.99	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	---	
	11/17/92	16.84	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	---	
	02/12/93	10.30	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	---	
	06/10/93	12.36	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---	
	08/18/93	14.02	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---	
	11/19/93	16.50	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---	
	11/19/93 ^{dup}	16.50	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---	
	02/18/94	12.55	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---	
	05/04/94	14.27	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---	
	08/10/94	15.60	70 ^o	---	---	---	<0.5	<0.5	<0.5	<0.5	---	
	11/08/94	12.85	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---	
	02/01/95	8.98	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---	
	05/10/95	10.16	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---	
	05/10/95 ^{dup}	10.16	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---	
	08/24/95	12.98	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---	
	11/10/95	15.12	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---	
MW-6	09/21/93	14.64	<50	<50	---	<5,000	<0.5	<0.5	<0.5	<0.5	<10-50	
	11/19/93 ^k	---	---	---	---	---	---	---	---	---	---	
	02/28/94	12.18	98 ^l	---	---	<5,000	<0.5	<0.5	<0.5	<0.5	---	
	05/04/94	13.62	<50	---	---	<5,000	<0.5	<0.5	<0.5	<0.5	<2-10	
	08/10/94	14.98	80 ^o	---	---	<5,000	<0.5	<0.5	<0.5	<0.5	r	
	11/08/94 ^l	12.20	---	---	---	---	---	---	---	---	---	
	02/01/95	8.70	120	---	---	---	3.5	3.4	21	22	---	
	02/01/95 ^{dup}	8.70	110	---	---	---	0.6	0.5	0.6	0.9	---	
	05/10/95	9.86	---	---	---	---	---	---	---	---	---	
	08/24/95	12.46	80	---	---	---	<0.5	1.8	<0.5	2.4	---	
	08/24/95 ^{dup}	12.46	70	---	---	---	<0.5	1.2	<0.5	1.3	---	
11/10/95	14.56	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---		
11/10/95	14.56	60	---	---	---	<0.5	<0.5	<0.5	<0.5	---		
BH-A	09/09/93	16.50	4,900	2,900 ^e	---	<5,000	18	54	<5	11	m	



Table 2. Analytic Results for Ground Water - Shell Service Station WIC #204-5508-3301, 6039 College Avenue, Oakland, California (continued)

Well/Boring ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D	TPH-MO	POG	parts per billion (µg/L)				SVOCs
							B	E	T	X	
BH-B	09/09/93	15.85	<50	150	---	<5,000	<0.5	<0.5	<0.5	<0.5	ND
BH-C ⁿ	09/10/93	15.80	640 ^o	100	---	<5,000	3.5	0.6	<0.5	<0.5	ND
BH-D ⁿ	09/10/93	14.2	24,000 ^o	25,000 ^o	---	20,000	720	44	86	11	p
Bailer Blank	08/19/92		<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	11/17/92		<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
Trip Blank	02/13/90		ND	---	---	---	ND	ND	ND	ND	---
	05/14/90		ND	---	---	---	ND	ND	ND	ND	---
	09/12/90		ND	---	---	---	ND	ND	ND	ND	---
	03/08/91		ND	---	---	---	ND	ND	ND	ND	---
	06/03/91		ND	---	---	---	ND	ND	ND	ND	---
	08/30/91		ND	---	---	---	ND	ND	ND	ND	---
	03/18/92		<30	<50	---	---	<0.3	<0.3	<0.3	<0.3	---
	05/28/92		<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	08/19/92		<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	11/17/92		<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	02/12/93		<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	06/10/93		<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	11/19/93		<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	02/28/94		<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	05/04/94		<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	08/10/94		<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
	11/08/94		<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
02/01/95		<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---	
05/10/95		<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---	
08/24/95		<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---	
11/10/95		<50	---	---	---	<0.5	<0.5	0.7	<0.5	---	
DTSC MCLs			NE	NE	NE	---	1	680	100 ^g	1,750	---

Table 2. Analytic Results for Ground Water - Shell Service Station WIC #204-5508-3301, 6039 College Avenue, Oakland, California (continued)

Abbreviations:

TPH-G = Total petroleum hydrocarbons as gasoline by Modified EPA Method 8015
TPH-D = Total petroleum hydrocarbons as diesel by Modified EPA Method 8015
TPH-MO = Total petroleum hydrocarbons as motor oil by EPA Method 8015
B = Benzene by EPA Method 8020
E = Ethylbenzene by EPA Method 8020
T = Toluene by EPA Method 8020
X = Xylenes by EPA Method 8020
POG = Petroleum Oil & Grease by EPA Method 5520B/F
SVOCs = Semivolatile organic compounds by EPA Method 8270
NE = Not established
DTSC MCLs = California Department of Toxic Substances Control Maximum Contaminant Levels drinking water
--- = Not analyzed or measured
<n = Not detected at detection limits of n ppb
ND = Not detected, detection limit not known
SPH = Separate-phase hydrocarbons in well, not sampled
dup = Duplicate sample

Notes:

a = Positive results for diesel appear to be less volatile constituents of gasoline
b = Positive results for diesel has a typical diesel pattern
c = Concentration reported as diesel is primarily due to the presence of a lighter petroleum product, possibly gasoline or kerosene
d = Concentration reported as motor oil is due to the presence of a combination of motor oil and a lighter petroleum product of hydrocarbon range C6-C12, possibly gasoline
e = Concentration reported as gasoline is due to the presence of gasoline and a discrete peak not indicative of gasoline
f = Compounds are within chromatographic range of gasoline but are not characteristic of the standard gasoline pattern
g = Results include compounds apparently due to gasoline as well as those due to diesel
h = 6.5 ppb Naphthalene detected
i = 11.0 ppb Naphthalene detected
j = Well inaccessible and not sampled
k = Well inadvertently not sampled
l = The concentration reported as gasoline is primarily due to the presence of a discrete peak not indicative of gasoline
m = 13 ppb-methylnaphthalene and 23 ppb naphthalene detected
n = Due to chain of custody mis-communication analyses run after holding time expiration
o = The positive result has an atypical pattern for gasoline analysis
p = 75 ppb 2-methylnaphthalene and 18 ppb naphthalene detected
q = DTSC recommended action level; MCL not established
r = Not detected at detection limits between 10 and 50 ppb
s = Concentration reported as motor oil is due to the presence of heavier and lighter petroleum products.
t = 27 ppb Naphthalene detected
u = 12 ppb Naphthalene detected

Table 3. Separate-Phase Hydrocarbon Removal - Shell Service Station
WIC #204-5508-3301, 6039 College Avenue, Oakland, California

Well ID	Date	Separate-Phase Hydrocarbon Thickness (ft)	Separate-Phase Hydrocarbons Removed (lbs)	Cumulative Hydrocarbons Removed (lbs)
MW-4 ^a	01/15/92	---	3.12	3.12
	02/15/92	---	3.12	6.24
	03/18/92	0.24	---	6.24
	04/29/92	---	1.50	7.74
	05/28/92	0.12	0.18	7.92
	08/19/92	0.09	0.96	8.86
	11/17/92	---	0.96	9.82
	02/12/93	<0.01	---	9.82
	06/10/93	0.02	0.06	9.88
	08/18/93	0.01	0.06	9.94
	11/19/93	0.01	0.06	10.00
	02/28/94	0.01	0.06	10.06
	05/04/94	0.00	0.06	10.12
	08/10/94	0.02	0.06	10.18
	11/10/94	0.05	0.08	10.26
	02/01/95	0.04	0.06	10.32
	05/10/95	0.06	0.16	10.48
	08/24/95	0.02	---	10.48
	11/10/95	<0.01	---	10.48

Notes:

- a = Petrotrap separate-phase hydrocarbon skimmer installed in well
- = Not measured or no hydrocarbons removed

ATTACHMENT A

BTS GROUND WATER MONITORING REPORT



BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

December 14, 1995

Shell Oil Company
P.O. Box 4023
Concord, CA 94524

Attn: R. Jeff Granberry

Shell WIC #204-5508-3301
6039 College Avenue
Oakland, California

4th Quarter 1995

Quarterly Groundwater Monitoring Report 951110-M-1

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. Copies of our Sampling Report along with the laboratory's Certified Analytical Report are forwarded to the consultant overseeing work at this site. Submission of the assembled documents to interested regulatory agencies will be made by the designated consultant.

Groundwater monitoring at this site was performed in accordance with Standard Operating Procedures provided to the interested regulatory agencies. If you have any questions about the work performed at this site please call me at (408) 995-5535 ext. 201.

Yours truly,



Francis Thie

attachments: Table of Well Gauging Data
Chain of Custody
Field Data Sheets
Certified Analytical Report

cc: Weiss Associates
5500 Shellmound Street
Emeryville, CA 94608-2411
Attn: Grady Glasser

(Any professional evaluations or recommendations will be made by the consultant under separate cover.)

TABLE OF WELL GAUGING DATA

WELL I.D.	DATA COLLECTION DATE	MEASUREMENT REFERENCED TO	QUALITATIVE OBSERVATIONS (sheen)	DEPTH TO FIRST IMMISCIBLES LIQUID (FPZ) (feet)	THICKNESS OF IMMISCIBLES LIQUID ZONE (feet)	VOLUME OF IMMISCIBLES REMOVED (ml)	DEPTH TO WATER (feet)	DEPTH TO WELL BOTTOM (feet)
MW-1	11/10/95	TOC	—	NONE	—	—	18.24	24.46
MW-2	11/10/95	TOC	—	NONE	—	—	13.36	24.24
MW-3	11/10/95	TOC	ODOR	NONE	—	—	16.20	24.54
MW-4	11/10/95	TOC	SHEEN/ODOR	—	—	10	17.27	24.40
MW-5	11/10/95	TOC	ODOR	NONE	—	—	15.12	28.60
MW-6 *	11/10/95	TOC	—	NONE	—	—	14.56	25.24
T-1	11/10/95	TOC	DRY	NONE	—	—	—	4.36
T-2	11/10/95	TOC	DRY	NONE	—	—	—	8.24

* Sample DUP was a duplicate sample taken from well MW-6.



SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD

Serial No: 95110-m1

Date: 11-10-95

Page 1 of 2

Site Address: 6039 College Ave., Oakland

WICH: 204-5508-3301

Shall Engineer: R. Jeff Granberry Phone No.: (510) 675-6168
Fax #: 675-6160

Consultant Name & Address: Blaine Tech Services, Inc.
985 Timothy Drive San Jose, CA 95133

Consultant Contact: Jim Keller Phone No.: (408) 995-5535
Fax #: 293-8773

Comments:

Sampled by: Mike Myers
Printed Name: MIKE MYERS

Analysis Required

LAB: NET

CHECK ONE (1) BOX ONLY	CT/DI	TURN AROUND TIME
Quarterly Monitoring <input checked="" type="checkbox"/>	6441	24 hours <input type="checkbox"/>
Site Investigation <input type="checkbox"/>	6441	48 hours <input type="checkbox"/>
Soil Clarity/Disposal <input type="checkbox"/>	6442	16 days <input checked="" type="checkbox"/> (Normal)
Water Clarity/Disposal <input type="checkbox"/>	6443	Other <input type="checkbox"/>
Soil/Air Rem. of Sys. O & M <input type="checkbox"/>	6442	
Water Rem. of Sys. O & M <input type="checkbox"/>	6443	
Other <input type="checkbox"/>		

NOTE: Notify Lab as soon as possible of 24/48 hr. TAT.

Sample ID	Date	Sludge	Soil	Water	Air	No. of conds.
<u>mw-1</u>	<u>11/10</u>			<input checked="" type="checkbox"/>		<u>3</u>
<u>mw-2</u>	<u>11/10</u>			<input checked="" type="checkbox"/>		<u>3</u>
<u>mw-3</u>	<u>11/10</u>			<input checked="" type="checkbox"/>		<u>7</u>
<u>mw-4</u>	<u>11/10</u>			<input checked="" type="checkbox"/>		<u>7</u>
<u>mw-5</u>	<u>11/10</u>			<input checked="" type="checkbox"/>		<u>3</u>
<u>mw-6</u>	<u>11/10</u>			<input checked="" type="checkbox"/>		<u>3</u>
<u>EB</u>	<u>11/10</u>			<input checked="" type="checkbox"/>		<u>3</u>
<u>DUP</u>	<u>11/10</u>			<input checked="" type="checkbox"/>		<u>3</u>

TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020	P.O.G.	SVOC	Asbestos	Container Size	Preparation Used	Composite Y/N
					<input checked="" type="checkbox"/>						
					<input checked="" type="checkbox"/>						
					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
					<input checked="" type="checkbox"/>						
					<input checked="" type="checkbox"/>						
					<input checked="" type="checkbox"/>						
					<input checked="" type="checkbox"/>						

MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS

CUSTODY SEALED
Date: 11/3/95 Time: 7:00 Initials: PS
SEAL INTACT?
Yes No Initials: PS
VIA NGS

Relinquished By (signature): <u>Mike Myers</u>	Printed Name: <u>MIKE MYERS</u>	Date: <u>11/10/95</u>	Received (signature): <u>Phil Prosser</u>	Printed Name: <u>Phil Prosser</u>	Date: <u>11/10/95</u>
Relinquished By (signature): <u>R. Smart</u>	Printed Name: <u>R. Smart</u>	Date: <u>11/13/95</u>	Received (signature): <u>Phil Prosser</u>	Printed Name: <u>Phil Prosser</u>	Date: <u>11/13/95</u>
Relinquished By (signature): <u>Phil Prosser</u>	Printed Name: <u>Phil Prosser</u>	Date: <u>11/14/95</u>	Received (signature): <u>Phil Prosser</u>	Printed Name: <u>Phil Prosser</u>	Date: <u>11/14/95</u>

THE LABORATORY MUST PROVIDE A COPY OF THIS CHAIN-OF-CUSTODY WITH INVOICE AND RESULTS.



SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD

Serial No: 95110-m1

Date: 11-10-95

Page 2 of 2

Site Address: 6039 College Ave., Oakland

WICK: 204-5508-3301

Shall Engineer: ~~Don Kirk~~ R. Jeff Granberry
Phone No.: (510) 675-6168
Fax #: 675-6160

Consultant Name & Address:
Blaine Tech Services, Inc.
985 Timothy Drive San Jose, CA 95133

Consultant Contact: Jim Keller
Phone No.: (408) 995-5535
Fax #: 293-8773

Comments:

Sampled by: Mike Myers
Printed Name: MIKE MYERS

Analysis Required

TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020	Asbestos	Container Size	Preparation Used	Composite Y/N

LAB: NET

CHECK ONE (1) BOX ONLY	CI/DI	TURN AROUND TIME
Quarterly Monitoring <input checked="" type="checkbox"/>	6441	24 hour <input type="checkbox"/>
Site Investigation <input type="checkbox"/>	6441	48 hour <input type="checkbox"/>
Soil Classfy/Disposal <input type="checkbox"/>	6442	16 days <input checked="" type="checkbox"/> (Normal)
Water Classfy/Disposal <input type="checkbox"/>	6443	Other <input type="checkbox"/>
Soil/Air Rem. or Sys. O & M <input type="checkbox"/>	6442	
Water Rem. or Sys. O & M <input type="checkbox"/>	6443	
Other <input type="checkbox"/>		

NOTE: Notify Lab as soon as possible of 24/48 hrs. TAT.

Sample ID	Date	Sludge	Soil	Water	Air	No. of conts.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020	Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS	
TB ✓	11/10			X		2						X							

CUSTODY SEALED
Date 11/13/95 Time 1701 Initials RS
SEAL INTACT?
Yes _____ No _____ Initials _____

Relinquished by (signature): <u>[Signature]</u>	Printed Name: <u>P. Smart</u>	Date: <u>11/13/95</u>	Time: <u>1701</u>	Received (signature): <u>[Signature]</u>	Printed Name: <u>P. Smart</u>	Date: <u>11/13/95</u>	Time: <u>1005</u>
Relinquished by (signature): <u>[Signature]</u>	Printed Name: <u>MIKE MYERS</u>	Date:	Time:	Received (signature):	Printed Name:	Date:	Time:
Relinquished by (signature):	Printed Name:	Date:	Time:	Received (signature):	Printed Name:	Date:	Time:

THE LABORATORY MUST PROVIDE A COPY OF THIS CHAIN-OF-CUSTODY WITH INVOICE AND RESULTS



NATIONAL
ENVIRONMENTAL
TESTING, INC.

Santa Rosa Division
3636 North Laughlin Road
Suite 110
Santa Rosa, CA 95403-8226
Tel: (707) 526-7200
Fax: (707) 541-2333

Jim Keller
Blaine Tech Services
985 Timothy Dr.
San Jose, CA 95133

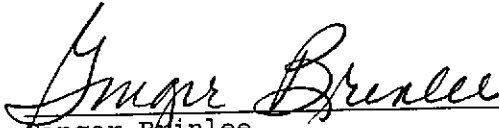
Date: 11/30/1995
NET Client Acct. No: 1821
NET Job No: 95.04413
Received: 11/14/1995

Client Reference Information

Shell 6039 College Ave., Oakland CA./951110-M1

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Results apply only to the samples analyzed. All positive results have been confirmed as required. Reproduction of this report is permitted only in its entirety. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel free to call me at (707) 541-2305.

Submitted by:


Ginger Brunlee
Project Coordinator

Enclosure(s)





Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 95.04413

Date: 11/30/1995
ELAP Cert: 1386
Page: 2

Ref: Shell 6039 College Ave., Oakland CA./951110-M1

SAMPLE DESCRIPTION: MW-1
Date Taken: 11/10/1995
Time Taken:
NET Sample No: 255505

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)							11/17/1995	3357
DILUTION FACTOR*	1						11/17/1995	3357
Purgeable TPH	ND		50	ug/L	5030/M8015		11/17/1995	3357
Carbon Range: C6 to C12	--						11/17/1995	3357
METHOD 8020 (GC, Liquid)	--						11/17/1995	3357
Benzene	ND		0.5	ug/L	8020		11/17/1995	3357
Toluene	ND		0.5	ug/L	8020		11/17/1995	3357
Ethylbenzene	ND		0.5	ug/L	8020		11/17/1995	3357
Xylenes (Total)	ND		0.5	ug/L	8020		11/17/1995	3357
SURROGATE RESULTS	--						11/17/1995	3357
Bromofluorobenzene (SURR)	98			% Rec.	8020		11/17/1995	3357

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 95.04413

Date: 11/30/1995
ELAP Cert: 1386
Page: 3

Ref: Shell 6039 College Ave., Oakland CA./951110-M1

SAMPLE DESCRIPTION: MW-2
Date Taken: 11/10/1995
Time Taken:
NET Sample No: 255506

Parameter	Results	Flags	Reporting		Units	Method	Date	Date	Run
			Limit				Extracted	Analyzed	Batch
METHOD 5030/8015-M (Shell)									
DILUTION FACTOR*	1						11/17/1995		3357
Purgeable TPH	ND		50		ug/L	5030/M8015	11/17/1995		3357
Carbon Range: C6 to C12	--						11/17/1995		3357
METHOD 8020 (GC, Liquid)	--						11/17/1995		3357
Benzene	1.7		0.5		ug/L	8020	11/17/1995		3357
Toluene	0.8		0.5		ug/L	8020	11/17/1995		3357
Ethylbenzene	1.4		0.5		ug/L	8020	11/17/1995		3357
Xylenes (Total)	4.9		0.5		ug/L	8020	11/17/1995		3357
SURROGATE RESULTS	--						11/17/1995		3357
Bromofluorobenzene (SURR)	98				% Rec.	8020	11/17/1995		3357

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 95.04413

Date: 11/30/1995
ELAP Cert: 1386
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Ref: Shell 6039 College Ave., Oakland CA./951110-M1

SAMPLE DESCRIPTION: MW-3
Date Taken: 11/10/1995
Time Taken:
NET Sample No: 255507

Parameter	Results	Flags	Reporting		Method	Date	Date	Run Batch No.
			Limit	Units		Extracted	Analyzed	
Oil & Grease (Total)	ND		5,000	ug/L	5520B		11/15/1995	363
Oil & Grease (Non-Polar)	ND		5,000	ug/L	5520B/F		11/15/1995	345
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						11/17/1995	3357
Purgeable TPH	350		50	ug/L	5030/M8015		11/17/1995	3357
Carbon Range: C6 to C12	--						11/17/1995	3357
METHOD 8020 (GC, Liquid)								
Benzene	15		0.5	ug/L	8020		11/17/1995	3357
Toluene	2.3		0.5	ug/L	8020		11/17/1995	3357
Ethylbenzene	1.2		0.5	ug/L	8020		11/17/1995	3357
Xylenes (Total)	2.5		0.5	ug/L	8020		11/17/1995	3357
SURROGATE RESULTS								
Bromofluorobenzene (SURRE)	113			% Rec.	8020		11/17/1995	3357

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 95.04413

Date: 11/30/1995
ELAP Cert: 1386
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Ref: Shell 6039 College Ave., Oakland CA./951110-M1

SAMPLE DESCRIPTION: MW-3

Date Taken: 11/10/1995

Time Taken:

NET Sample No: 255507

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
METHOD 8270 (GCMS, Liquid)						11/21/1995		
DILUTION FACTOR*	1						11/21/1995	732
Acenaphthene	ND		10	ug/L	8270		11/21/1995	732
Acenaphthylene	ND		10	ug/L	8270		11/21/1995	732
Aldrin	ND		50	ug/L	8270		11/21/1995	732
Anthracene	ND		10	ug/L	8270		11/21/1995	732
Benzidine	ND		44	ug/L	8270		11/21/1995	732
Benzo(a)anthracene	ND		10	ug/L	8270		11/21/1995	732
Benzo(b)fluoranthene	ND		10	ug/L	8270		11/21/1995	732
Benzo(k)fluoranthene	ND		10	ug/L	8270		11/21/1995	732
Benzo(a)pyrene	ND		10	ug/L	8270		11/21/1995	732
Benzo(g,h,i)perylene	ND		10	ug/L	8270		11/21/1995	732
Benzoic acid	ND		50	ug/L	8270		11/21/1995	732
Benzyl alcohol	ND		10	ug/L	8270		11/21/1995	732
Butyl benzyl phthalate	ND		10	ug/L	8270		11/21/1995	732
delta-BHC	ND		50	ug/L	8270		11/21/1995	732
gamma-BHC	ND		50	ug/L	8270		11/21/1995	732
bis(2-Chloroethyl)ether	ND		10	ug/L	8270		11/21/1995	732
bis(2-Chloroethoxy)methane	ND		10	ug/L	8270		11/21/1995	732
bis(2-Chloroisopropyl)ether	ND		10	ug/L	8270		11/21/1995	732
bis(2-Ethylhexyl)phthalate	ND		10	ug/L	8270		11/21/1995	732
4-Bromophenyl phenyl ether	ND		10	ug/L	8270		11/21/1995	732
4-Chloroaniline	ND		10	ug/L	8270		11/21/1995	732
2-Chloronaphthalene	ND		10	ug/L	8270		11/21/1995	732
4-Chlorophenyl phenyl ether	ND		10	ug/L	8270		11/21/1995	732
Chrysene	ND		10	ug/L	8270		11/21/1995	732
4,4'-DDD	ND		50	ug/L	8270		11/21/1995	732
4,4'-DDE	ND		50	ug/L	8270		11/21/1995	732
4,4'-DDT	ND		50	ug/L	8270		11/21/1995	732
Dibenzo(a,h)anthracene	ND		10	ug/L	8270		11/21/1995	732
Dibenzofuran	ND		10	ug/L	8270		11/21/1995	732
Di-n-butylphthalate	ND		10	ug/L	8270		11/21/1995	732
1,2-Dichlorobenzene	ND		10	ug/L	8270		11/21/1995	732
1,3-Dichlorobenzene	ND		10	ug/L	8270		11/21/1995	732
1,4-Dichlorobenzene	ND		10	ug/L	8270		11/21/1995	732
3,3'-Dichlorobenzidine	ND		20	ug/L	8270		11/21/1995	732
Dieldrin	ND		50	ug/L	8270		11/21/1995	732
Diethylphthalate	ND		10	ug/L	8270		11/21/1995	732
Dimethyl phthalate	ND		10	ug/L	8270		11/21/1995	732
2,4-Dinitrotoluene	ND		10	ug/L	8270		11/21/1995	732
2,6-Dinitrotoluene	ND		10	ug/L	8270		11/21/1995	732
Di-n-octyl phthalate	ND		10	ug/L	8270		11/21/1995	732
Endrin aldehyde	ND		50	ug/L	8270		11/21/1995	732

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 Client Acct: 1821
 NET Job No: 95.04413

Date: 11/30/1995
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Ref: Shell 6039 College Ave., Oakland CA./951110-M1

SAMPLE DESCRIPTION: MW-3

Date Taken: 11/10/1995

Time Taken:

NET Sample No: 255507

Parameter	Results	Flags	Reporting		Method	Date	Date	Run Batch No.
			Limit	Units		Extracted	Analyzed	
Fluoranthene	ND		10	ug/L	8270		11/21/1995	732
Fluorene	ND		10	ug/L	8270		11/21/1995	732
Heptachlor	ND		50	ug/L	8270		11/21/1995	732
Heptachlor epoxide	ND		50	ug/L	8270		11/21/1995	732
Hexachlorobenzene	ND		10	ug/L	8270		11/21/1995	732
Hexachlorobutadiene	ND		10	ug/L	8270		11/21/1995	732
Hexachlorocyclopentadiene	ND		10	ug/L	8270		11/21/1995	732
Hexachloroethane	ND		10	ug/L	8270		11/21/1995	732
Indeno(1,2,3-cd)pyrene	ND		10	ug/L	8270		11/21/1995	732
Isophorone	ND		10	ug/L	8270		11/21/1995	732
2-Methylnaphthalene	ND		10	ug/L	8270		11/21/1995	732
Naphthalene	ND		10	ug/L	8270		11/21/1995	732
2-Nitroaniline	ND		50	ug/L	8270		11/21/1995	732
3-Nitroaniline	ND		50	ug/L	8270		11/21/1995	732
4-Nitroaniline	ND		50	ug/L	8270		11/21/1995	732
Nitrobenzene	ND		10	ug/L	8270		11/21/1995	732
N-Nitroso-Di-N-propylamine	ND		10	ug/L	8270		11/21/1995	732
N-Nitrosodiphenylamine	ND		10	ug/L	8270		11/21/1995	732
Phenanthrene	ND		10	ug/L	8270		11/21/1995	732
Pyrene	ND		10	ug/L	8270		11/21/1995	732
1,2,4-Trichlorobenzene	ND		10	ug/L	8270		11/21/1995	732
ACID EXTRACTABLES	--							
4-Chloro-3-methylphenol	ND		10	ug/L	8270		11/21/1995	732
2-Chlorophenol	ND		10	ug/L	8270		11/21/1995	732
2,4-Dichlorophenol	ND		10	ug/L	8270		11/21/1995	732
2,4-Dimethylphenol	ND		10	ug/L	8270		11/21/1995	732
2,4-Dinitrophenol	ND		50	ug/L	8270		11/21/1995	732
4,6-Dinitro-2-methylphenol	ND		50	ug/L	8270		11/21/1995	732
2-Nitrophenol	ND		10	ug/L	8270		11/21/1995	732
4-Nitrophenol	ND		50	ug/L	8270		11/21/1995	732
Pentachlorophenol	ND		50	ug/L	8270		11/21/1995	732
Phenol	ND		10	ug/L	8270		11/21/1995	732
2,4,6-Trichlorophenol	ND		10	ug/L	8270		11/21/1995	732
2-Methylphenol	ND		10	ug/L	8270		11/21/1995	732
4-Methylphenol	ND		10	ug/L	8270		11/21/1995	732
2,4,5-Trichlorophenol	ND		50	ug/L	8270		11/21/1995	732
SURROGATE RESULTS	--							
Nitrobenzene-d5 (SURR)	82			% Rec.	8270		11/21/1995	732
2-Fluorobiphenyl (SURR)	71			% Rec.	8270		11/21/1995	732
p-Terphenyl-d14 (SURR)	41			% Rec.	8270		11/21/1995	732
Phenol-d5 (SURR)	16	*		% Rec.	8270		11/21/1995	732
2-Fluorophenol (SURR)	18	*		% Rec.	8270		11/21/1995	732
2,4,6-Tribromophenol (SURR)	47			% Rec.	8270		11/21/1995	732

* : Outside established QC windows; all other criteria fall within acceptable limits.

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 95.04413

Date: 11/30/1995
ELAP Cert: 1386
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Ref: Shell 6039 College Ave., Oakland CA./951110-M1

SAMPLE DESCRIPTION: MW-4
Date Taken: 11/10/1995
Time Taken:
NET Sample No: 255508

Parameter	Results	Flags	Reporting		Method	Date	Date	Run Batch No.
			Limit	Units		Extracted	Analyzed	
Oil & Grease (Total)	29,000		5,000	ug/L	5520B		11/15/1995	363
Oil & Grease (Non-Polar)	23,000		5,000	ug/L	5520B/F		11/15/1995	345
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	10						11/22/1995	3366
Purgeable TPH	4,700		500	ug/L	5030/M8015		11/22/1995	3366
Carbon Range: C6 to C12	--						11/22/1995	3366
METHOD 8020 (GC, Liquid)								
Benzene	100		5	ug/L	8020		11/22/1995	3366
Toluene	22		5	ug/L	8020		11/22/1995	3366
Ethylbenzene	23		5	ug/L	8020		11/22/1995	3366
Xylenes (Total)	38		5	ug/L	8020		11/22/1995	3366
SURROGATE RESULTS								
Bromofluorobenzene (SURR)	116			% Rec.	8020		11/22/1995	3366

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 95.04413

Date: 11/30/1995
ELAP Cert: 1386
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Ref: Shell 6039 College Ave., Oakland CA./951110-M1

SAMPLE DESCRIPTION: MW-4

Date Taken: 11/10/1995

Time Taken:

NET Sample No: 255508

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
METHOD 8270 (GCMS, Liquid)						11/16/1995		
DILUTION FACTOR*	1						11/17/1995	729
Acenaphthene	ND		10	ug/L	8270		11/17/1995	729
Acenaphthylene	ND		10	ug/L	8270		11/17/1995	729
Aldrin	ND		50	ug/L	8270		11/17/1995	729
Anthracene	ND		10	ug/L	8270		11/17/1995	729
Benzidine	ND		44	ug/L	8270		11/17/1995	729
Benzo(a)anthracene	ND		10	ug/L	8270		11/17/1995	729
Benzo(b)fluoranthene	ND		10	ug/L	8270		11/17/1995	729
Benzo(k)fluoranthene	ND		10	ug/L	8270		11/17/1995	729
Benzo(a)pyrene	ND		10	ug/L	8270		11/17/1995	729
Benzo(g,h,i)perylene	ND		10	ug/L	8270		11/17/1995	729
Benzoic acid	ND		50	ug/L	8270		11/17/1995	729
Benzyl alcohol	ND		10	ug/L	8270		11/17/1995	729
Butyl benzyl phthalate	ND		10	ug/L	8270		11/17/1995	729
delta-BHC	ND		50	ug/L	8270		11/17/1995	729
gamma-BHC	ND		50	ug/L	8270		11/17/1995	729
bis(2-Chloroethyl)ether	ND		10	ug/L	8270		11/17/1995	729
bis(2-Chloroethoxy)methane	ND		10	ug/L	8270		11/17/1995	729
bis(2-Chloroisopropyl)ether	ND		10	ug/L	8270		11/17/1995	729
bis(2-Ethylhexyl)phthalate	11		10	ug/L	8270		11/17/1995	729
4-Bromophenyl phenyl ether	ND		10	ug/L	8270		11/17/1995	729
4-Chloroaniline	ND		10	ug/L	8270		11/17/1995	729
2-Chloronaphthalene	ND		10	ug/L	8270		11/17/1995	729
4-Chlorophenyl phenyl ether	ND		10	ug/L	8270		11/17/1995	729
Chrysene	ND		10	ug/L	8270		11/17/1995	729
4,4'-DDD	ND		50	ug/L	8270		11/17/1995	729
4,4'-DDE	ND		50	ug/L	8270		11/17/1995	729
4,4'-DDT	ND		50	ug/L	8270		11/17/1995	729
Dibenzo(a,h)anthracene	ND		10	ug/L	8270		11/17/1995	729
Dibenzofuran	ND		10	ug/L	8270		11/17/1995	729
Di-n-butylphthalate	ND		10	ug/L	8270		11/17/1995	729
1,2-Dichlorobenzene	ND		10	ug/L	8270		11/17/1995	729
1,3-Dichlorobenzene	ND		10	ug/L	8270		11/17/1995	729
1,4-Dichlorobenzene	ND		10	ug/L	8270		11/17/1995	729
3,3'-Dichlorobenzidine	ND		20	ug/L	8270		11/17/1995	729
Dieldrin	ND		50	ug/L	8270		11/17/1995	729
Diethylphthalate	ND		10	ug/L	8270		11/17/1995	729
Dimethyl phthalate	ND		10	ug/L	8270		11/17/1995	729
2,4-Dinitrotoluene	ND		10	ug/L	8270		11/17/1995	729
2,6-Dinitrotoluene	ND		10	ug/L	8270		11/17/1995	729
Di-n-octyl phthalate	ND		10	ug/L	8270		11/17/1995	729
Endrin aldehyde	ND		50	ug/L	8270		11/17/1995	729

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 95.04413

Date: 11/30/1995
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Ref: Shell 6039 College Ave., Oakland CA./951110-M1

SAMPLE DESCRIPTION: MW-4

Date Taken: 11/10/1995

Time Taken:

NET Sample No: 255508

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
Fluoranthene	ND		10	ug/L	8270	11/17/1995	729	
Fluorene	ND		10	ug/L	8270	11/17/1995	729	
Heptachlor	ND		50	ug/L	8270	11/17/1995	729	
Heptachlor epoxide	ND		50	ug/L	8270	11/17/1995	729	
Hexachlorobenzene	ND		10	ug/L	8270	11/17/1995	729	
Hexachlorobutadiene	ND		10	ug/L	8270	11/17/1995	729	
Hexachlorocyclopentadiene	ND		10	ug/L	8270	11/17/1995	729	
Hexachloroethane	ND		10	ug/L	8270	11/17/1995	729	
Indeno(1,2,3-cd)pyrene	ND		10	ug/L	8270	11/17/1995	729	
Isophorone	ND		10	ug/L	8270	11/17/1995	729	
2-Methylnaphthalene	ND		10	ug/L	8270	11/17/1995	729	
Naphthalene	ND		10	ug/L	8270	11/17/1995	729	
2-Nitroaniline	ND		50	ug/L	8270	11/17/1995	729	
3-Nitroaniline	ND		50	ug/L	8270	11/17/1995	729	
4-Nitroaniline	ND		50	ug/L	8270	11/17/1995	729	
Nitrobenzene	ND		10	ug/L	8270	11/17/1995	729	
N-Nitroso-Di-N-propylamine	ND		10	ug/L	8270	11/17/1995	729	
N-Nitrosodiphenylamine	ND		10	ug/L	8270	11/17/1995	729	
Phenanthrene	ND		10	ug/L	8270	11/17/1995	729	
Pyrene	ND		10	ug/L	8270	11/17/1995	729	
1,2,4-Trichlorobenzene	ND		10	ug/L	8270	11/17/1995	729	
ACID EXTRACTABLES	--							
4-Chloro-3-methylphenol	ND		10	ug/L	8270	11/17/1995	729	
2-Chlorophenol	ND		10	ug/L	8270	11/17/1995	729	
2,4-Dichlorophenol	ND		10	ug/L	8270	11/17/1995	729	
2,4-Dimethylphenol	ND		10	ug/L	8270	11/17/1995	729	
2,4-Dinitrophenol	ND		50	ug/L	8270	11/17/1995	729	
4,6-Dinitro-2-methylphenol	ND		50	ug/L	8270	11/17/1995	729	
2-Nitrophenol	ND		10	ug/L	8270	11/17/1995	729	
4-Nitrophenol	ND		50	ug/L	8270	11/17/1995	729	
Pentachlorophenol	ND		50	ug/L	8270	11/17/1995	729	
Phenol	ND		10	ug/L	8270	11/17/1995	729	
2,4,6-Trichlorophenol	ND		10	ug/L	8270	11/17/1995	729	
2-Methylphenol	ND		10	ug/L	8270	11/17/1995	729	
4-Methylphenol	ND		10	ug/L	8270	11/17/1995	729	
2,4,5-Trichlorophenol	ND		50	ug/L	8270	11/17/1995	729	
SURROGATE RESULTS	--							
Nitrobenzene-d5 (SURR)	74			% Rec.	8270	11/17/1995	729	
2-Fluorobiphenyl (SURR)	63			% Rec.	8270	11/17/1995	729	
p-Terphenyl-d14 (SURR)	47			% Rec.	8270	11/17/1995	729	
Phenol-d5 (SURR)	26			% Rec.	8270	11/17/1995	729	
2-Fluorophenol (SURR)	34			% Rec.	8270	11/17/1995	729	
2,4,6-Tribromophenol (SURR)	56			% Rec.	8270	11/17/1995	729	

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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Client Acct: 1821
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Ref: Shell 6039 College Ave., Oakland CA./951110-M1

SAMPLE DESCRIPTION: MW-5

Date Taken: 11/10/1995

Time Taken:

NET Sample No: 255509

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						11/18/1995	3357
Purgeable TPH	ND		50	ug/L	5030/M8015		11/18/1995	3357
Carbon Range: C6 to C12	--						11/18/1995	3357
METHOD 8020 (GC, Liquid)	--						11/18/1995	3357
Benzene	ND		0.5	ug/L	8020		11/18/1995	3357
Toluene	ND		0.5	ug/L	8020		11/18/1995	3357
Ethylbenzene	ND		0.5	ug/L	8020		11/18/1995	3357
Xylenes (Total)	ND		0.5	ug/L	8020		11/18/1995	3357
SURROGATE RESULTS	--						11/18/1995	3357
Bromofluorobenzene (SURR)	98			% Rec.	8020		11/18/1995	3357

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 95.04413

Date: 11/30/1995
ELAP Cert: 1386
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Ref: Shell 6039 College Ave., Oakland CA./951110-M1

SAMPLE DESCRIPTION: MW-6

Date Taken: 11/10/1995

Time Taken:

NET Sample No: 255510

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						11/18/1995	3357
Purgeable TPH	ND		50	ug/L	5030/M8015		11/18/1995	3357
Carbon Range: C6 to C12	--						11/18/1995	3357
METHOD 8020 (GC, Liquid)	--						11/18/1995	3357
Benzene	ND		0.5	ug/L	8020		11/18/1995	3357
Toluene	ND		0.5	ug/L	8020		11/18/1995	3357
Ethylbenzene	ND		0.5	ug/L	8020		11/18/1995	3357
Xylenes (Total)	ND		0.5	ug/L	8020		11/18/1995	3357
SURROGATE RESULTS	--						11/18/1995	3357
Bromofluorobenzene (SURR)	97			% Rec.	8020		11/18/1995	3357

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 95.04413

Date: 11/30/1995
ELAP Cert: 1386
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Ref: Shell 6039 College Ave., Oakland CA./951110-M1

SAMPLE DESCRIPTION: EB

Date Taken: 11/10/1995

Time Taken:

NET Sample No: 255511

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						11/18/1995	3357
Purgeable TPH	ND		50	ug/L	5030/M8015		11/18/1995	3357
Carbon Range: C6 to C12	--						11/18/1995	3357
METHOD 8020 (GC, Liquid)	--						11/18/1995	3357
Benzene	ND		0.5	ug/L	8020		11/18/1995	3357
Toluene	ND		0.5	ug/L	8020		11/18/1995	3357
Ethylbenzene	ND		0.5	ug/L	8020		11/18/1995	3357
Xylenes (Total)	ND		0.5	ug/L	8020		11/18/1995	3357
SURROGATE RESULTS	--						11/18/1995	3357
Bromofluorobenzene (SURRE)	98			% Rec.	8020		11/18/1995	3357

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SAMPLE DESCRIPTION: DUP

Date Taken: 11/10/1995

Time Taken:

NET Sample No: 255512

Parameter	Results	Flags	Reporting			Date		Run Batch No.
			Limit	Units	Method	Extracted	Analyzed	
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						11/18/1995	3357
Purgeable TPH	60		50	ug/L	5030/M8015		11/18/1995	3357
Carbon Range: C6 to C12	--	✓					11/18/1995	3357
METHOD 8020 (GC, Liquid)	--						11/18/1995	3357
Benzene	ND		0.5	ug/L	8020		11/18/1995	3357
Toluene	ND		0.5	ug/L	8020		11/18/1995	3357
Ethylbenzene	ND		0.5	ug/L	8020		11/18/1995	3357
Xylenes (Total)	ND		0.5	ug/L	8020		11/18/1995	3357
SURROGATE RESULTS	--						11/18/1995	3357
Bromofluorobenzene (Surr)	104			% Rec.	8020		11/18/1995	3357

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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Client Acct: 1821
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SAMPLE DESCRIPTION: TB

Date Taken: 11/10/1995

Time Taken:

NET Sample No: 255513

Parameter	Results	Flags	Reporting			Date Extracted	Date Analyzed	Run Batch No.
			Limit	Units	Method			
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						11/18/1995	3357
Purgeable TPH	ND		50	ug/L	5030/M8015		11/18/1995	3357
Carbon Range: C6 to C12	--						11/18/1995	3357
METHOD 8020 (GC, Liquid)	--						11/18/1995	3357
Benzene	ND		0.5	ug/L	8020		11/18/1995	3357
Toluene	0.7		0.5	ug/L	8020		11/18/1995	3357
Ethylbenzene	ND		0.5	ug/L	8020		11/18/1995	3357
Xylenes (Total)	ND		0.5	ug/L	8020		11/18/1995	3357
SURROGATE RESULTS	--						11/18/1995	3357
Bromofluorobenzene (SURRE)	94			% Rec.	8020		11/18/1995	3357

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV	CCV	CCV	Units	Date Analyzed	Analyst Initials	Run Batch Number
	Standard % Recovery	Standard Amount Found	Standard Amount Expected				
METHOD 5030/8015-M (Shell)							
Purgeable TPH	96.0	0.48	0.50	mg/L	11/17/1995	dat3	3357
Benzene	98.4	4.92	5.00	ug/L	11/17/1995	dat3	3357
Toluene	96.8	4.84	5.00	ug/L	11/17/1995	dat3	3357
Ethylbenzene	96.6	4.83	5.00	ug/L	11/17/1995	dat3	3357
Xylenes (Total)	99.3	14.9	15.0	ug/L	11/17/1995	dat3	3357
Bromofluorobenzene (SURR)	97.0	97	100	% Rec.	11/17/1995	dat3	3357
METHOD 5030/8015-M (Shell)							
Purgeable TPH	92.0	0.46	0.50	mg/L	11/21/1995	dld	3366
Benzene	103.4	5.17	5.00	ug/L	11/21/1995	dld	3366
Toluene	102.0	5.10	5.00	ug/L	11/21/1995	dld	3366
Ethylbenzene	102.4	5.12	5.00	ug/L	11/21/1995	dld	3366
Xylenes (Total)	106.0	15.9	15.0	ug/L	11/21/1995	dld	3366
Bromofluorobenzene (SURR)	107.0	107	100	% Rec.	11/21/1995	dld	3366

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CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV	CCV	CCV	Units	Date Analyzed	Analyst Initials	Run Batch Number
	Standard % Recovery	Standard Amount Found	Standard Amount Expected				
METHOD 8270 (GCMS, Liquid)							
Acenaphthene	103.8	51.9	50.0	ug/L	11/17/1995	gec	729
Benzo(a)pyrene	97.2	48.6	50.0	ug/L	11/17/1995	gec	729
1,4-Dichlorobenzene	103.8	51.9	50.0	ug/L	11/17/1995	gec	729
Di-n-octyl phthalate	116.4	58.2	50.0	ug/L	11/17/1995	gec	729
Fluoranthene	105.0	52.5	50.0	ug/L	11/17/1995	gec	729
Hexachlorobutadiene	100.0	50.0	50.0	ug/L	11/17/1995	gec	729
N-Nitrosodiphenylamine	76.4	38.2	50.0	ug/L	11/17/1995	gec	729
4-Chloro-3-methylphenol	103.2	51.6	50.0	ug/L	11/17/1995	gec	729
2,4-Dichlorophenol	99.4	49.7	50.0	ug/L	11/17/1995	gec	729
2-Nitrophenol	96.8	48.4	50.0	ug/L	11/17/1995	gec	729
Pentachlorophenol	83.0	41.5	50.0	ug/L	11/17/1995	gec	729
Phenol	113.8	56.9	50.0	ug/L	11/17/1995	gec	729
2,4,6-Trichlorophenol	93.0	46.5	50.0	ug/L	11/17/1995	gec	729
Nitrobenzene-d5 (SURR)	98.0	98	100	% Rec.	11/17/1995	gec	729
2-Fluorobiphenyl (SURR)	92.0	92	100	% Rec.	11/17/1995	gec	729
p-Terphenyl-d14 (SURR)	94.0	94	100	% Rec.	11/17/1995	gec	729
Phenol-d5 (SURR)	117.0	117	100	% Rec.	11/17/1995	gec	729
2-Fluorophenol (SURR)	109.0	109	100	% Rec.	11/17/1995	gec	729
2,4,6-Tribromophenol (SURR)	93.0	93	100	% Rec.	11/17/1995	gec	729

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METHOD BLANK REPORT

Parameter	Method	Reporting		Units	Date	Analyst	Run
	Blank	Amount	Limit		Analyzed	Initials	Batch
	Found						Number
Oil & Grease (Total)	ND	5		mg/L	11/15/1995	shr	363
Oil & Grease (Non-Polar)	ND	5		mg/L	11/15/1995	shr	345
METHOD 5030/8015-M (Shell)							
Purgeable TPH	ND	0.05		mg/L	11/17/1995	dat3	3357
Benzene	ND	0.5		ug/L	11/17/1995	dat3	3357
Toluene	ND	0.5		ug/L	11/17/1995	dat3	3357
Ethylbenzene	ND	0.5		ug/L	11/17/1995	dat3	3357
Xylenes (Total)	ND	0.5		ug/L	11/17/1995	dat3	3357
Bromofluorobenzene (SURR)	101			% Rec.	11/17/1995	dat3	3357
METHOD 5030/8015-M (Shell)							
Purgeable TPH	ND	0.05		mg/L	11/21/1995	dld	3366
Benzene	ND	0.5		ug/L	11/21/1995	dld	3366
Toluene	ND	0.5		ug/L	11/21/1995	dld	3366
Ethylbenzene	ND	0.5		ug/L	11/21/1995	dld	3366
Xylenes (Total)	ND	0.5		ug/L	11/21/1995	dld	3366
Bromofluorobenzene (SURR)	102			% Rec.	11/21/1995	dld	3366

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METHOD BLANK REPORT

Parameter	Method	Reporting	Units	Date	Analyst	Run
	Blank					
	Found			Analyzed		Number
METHOD 8270 (GCMS, Liquid)						
Acenaphthene	ND	1.9	ug/L	11/17/1995	gec	729
Acenaphthylene	ND	3.5	ug/L	11/17/1995	gec	729
Aldrin	ND	1.9	ug/L	11/17/1995	gec	729
Anthracene	ND	1.9	ug/L	11/17/1995	gec	729
Benzenidine	ND	44	ug/L	11/17/1995	gec	729
Benzo (a) anthracene	ND	7.8	ug/L	11/17/1995	gec	729
Benzo (b) fluoranthene	ND	4.8	ug/L	11/17/1995	gec	729
Benzo (k) fluoranthene	ND	2.5	ug/L	11/17/1995	gec	729
Benzo (a) pyrene	ND	2.5	ug/L	11/17/1995	gec	729
Benzo (g, h, i) perylene	ND	4.1	ug/L	11/17/1995	gec	729
Butyl benzyl phthalate	ND	2.5	ug/L	11/17/1995	gec	729
delta-BHC	ND	50	ug/L	11/17/1995	gec	729
gamma-BHC	ND	50	ug/L	11/17/1995	gec	729
bis (2-Chloroethyl) ether	ND	5.7	ug/L	11/17/1995	gec	729
bis (2-Chloroethoxy) methane	ND	5.3	ug/L	11/17/1995	gec	729
bis (2-Chloroisopropyl) ether	ND	5.7	ug/L	11/17/1995	gec	729
bis (2-Ethylhexyl) phthalate	ND	2.5	ug/L	11/17/1995	gec	729
4-Bromophenyl phenyl ether	ND	1.9	ug/L	11/17/1995	gec	729
2-Chloronaphthalene	ND	1.9	ug/L	11/17/1995	gec	729
4-Chlorophenyl phenyl ether	ND	4.2	ug/L	11/17/1995	gec	729
Chrysene	ND	2.5	ug/L	11/17/1995	gec	729
4,4'-DDD	ND	2.8	ug/L	11/17/1995	gec	729
4,4'-DDE	ND	5.6	ug/L	11/17/1995	gec	729
4,4'-DDT	ND	4.7	ug/L	11/17/1995	gec	729
Dibenzo (a, h) anthracene	ND	2.5	ug/L	11/17/1995	gec	729
Di-n-butylphthalate	ND	2.5	ug/L	11/17/1995	gec	729
1,2-Dichlorobenzene	ND	1.9	ug/L	11/17/1995	gec	729
1,3-Dichlorobenzene	ND	1.9	ug/L	11/17/1995	gec	729
1,4-Dichlorobenzene	ND	4.4	ug/L	11/17/1995	gec	729
3,3'-Dichlorobenzidine	ND	17	ug/L	11/17/1995	gec	729
Dieldrin	ND	2.5	ug/L	11/17/1995	gec	729
Diethylphthalate	ND	1.9	ug/L	11/17/1995	gec	729
Dimethyl phthalate	ND	1.6	ug/L	11/17/1995	gec	729
2,4-Dinitrotoluene	ND	5.7	ug/L	11/17/1995	gec	729
2,6-Dinitrotoluene	ND	1.9	ug/L	11/17/1995	gec	729
Di-n-octyl phthalate	ND	2.5	ug/L	11/17/1995	gec	729
Endrin aldehyde	ND	50	ug/L	11/17/1995	gec	729
Fluoranthene	ND	2.2	ug/L	11/17/1995	gec	729
Fluorene	ND	1.9	ug/L	11/17/1995	gec	729
Heptachlor	ND	1.9	ug/L	11/17/1995	gec	729
Heptachlor epoxide	ND	2.2	ug/L	11/17/1995	gec	729
Hexachlorobenzene	ND	1.9	ug/L	11/17/1995	gec	729

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METHOD BLANK REPORT

Parameter	Method	Reporting	Units	Date	Analyst	Run
	Blank			Amount	Analyzed	Initials
	Found	Limit				Number
Hexachlorobutadiene	ND	0.9	ug/L	11/17/1995	gec	729
Hexachlorocyclopentadiene	ND	5.0	ug/L	11/17/1995	gec	729
Hexachloroethane	ND	1.6	ug/L	11/17/1995	gec	729
Indeno(1,2,3-cd)pyrene	ND	3.7	ug/L	11/17/1995	gec	729
Isophorone	ND	2.2	ug/L	11/17/1995	gec	729
Naphthalene	ND	1.6	ug/L	11/17/1995	gec	729
Nitrobenzene	ND	1.9	ug/L	11/17/1995	gec	729
N-Nitroso-Di-N-propylamine	ND	10	ug/L	11/17/1995	gec	729
N-Nitrosodiphenylamine	ND	10	ug/L	11/17/1995	gec	729
Phenanthrene	ND	5.4	ug/L	11/17/1995	gec	729
Pyrene	ND	1.9	ug/L	11/17/1995	gec	729
1,2,4-Trichlorobenzene	ND	1.9	ug/L	11/17/1995	gec	729
4-Chloro-3-methylphenol	ND	3.0	ug/L	11/17/1995	gec	729
2-Chlorophenol	ND	3.3	ug/L	11/17/1995	gec	729
2,4-Dichlorophenol	ND	2.7	ug/L	11/17/1995	gec	729
2,4-Dimethylphenol	ND	2.7	ug/L	11/17/1995	gec	729
2,4-Dinitrophenol	ND	42	ug/L	11/17/1995	gec	729
4,6-Dinitro-2-methylphenol	ND	24	ug/L	11/17/1995	gec	729
2-Nitrophenol	ND	3.6	ug/L	11/17/1995	gec	729
4-Nitrophenol	ND	2.4	ug/L	11/17/1995	gec	729
Pentachlorophenol	ND	3.6	ug/L	11/17/1995	gec	729
Phenol	ND	1.5	ug/L	11/17/1995	gec	729
2,4,6-Trichlorophenol	ND	2.7	ug/L	11/17/1995	gec	729
Nitrobenzene-d5 (SURR)	70		% Rec.	11/17/1995	gec	729
2-Fluorobiphenyl (SURR)	47		% Rec.	11/17/1995	gec	729
p-Terphenyl-d14 (SURR)	58		% Rec.	11/17/1995	gec	729
Phenol-d5 (SURR)	34		% Rec.	11/17/1995	gec	729
2-Fluorophenol (SURR)	47		% Rec.	11/17/1995	gec	729
2,4,6-Tribromophenol (SURR)	60		% Rec.	11/17/1995	gec	729

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METHOD BLANK REPORT

Parameter	Method	Reporting	Units	Date	Analyst	Run
	Blank					
METHOD 8270 (GCMS, Liquid)						
Acenaphthene	ND	1.9	ug/L	11/21/1995	gec	732
Acenaphthylene	ND	3.5	ug/L	11/21/1995	gec	732
Aldrin	ND	1.9	ug/L	11/21/1995	gec	732
Anthracene	ND	1.9	ug/L	11/21/1995	gec	732
Benztidine	ND	44	ug/L	11/21/1995	gec	732
Benzo (a) anthracene	ND	7.8	ug/L	11/21/1995	gec	732
Benzo (b) fluoranthene	ND	4.8	ug/L	11/21/1995	gec	732
Benzo (k) fluoranthene	ND	2.5	ug/L	11/21/1995	gec	732
Benzo (a) pyrene	ND	2.5	ug/L	11/21/1995	gec	732
Benzo (g, h, i) perylene	ND	4.1	ug/L	11/21/1995	gec	732
Butyl benzyl phthalate	ND	2.5	ug/L	11/21/1995	gec	732
delta-BHC	ND	50	ug/L	11/21/1995	gec	732
gamma-BHC	ND	50	ug/L	11/21/1995	gec	732
bis (2-Chloroethyl) ether	ND	5.7	ug/L	11/21/1995	gec	732
bis (2-Chloroethoxy) methane	ND	5.3	ug/L	11/21/1995	gec	732
bis (2-Chloroisopropyl) ether	ND	5.7	ug/L	11/21/1995	gec	732
bis (2-Ethylhexyl) phthalate	ND	2.5	ug/L	11/21/1995	gec	732
4-Bromophenyl phenyl ether	ND	1.9	ug/L	11/21/1995	gec	732
2-Chloronaphthalene	ND	1.9	ug/L	11/21/1995	gec	732
4-Chlorophenyl phenyl ether	ND	4.2	ug/L	11/21/1995	gec	732
Chrysene	ND	2.5	ug/L	11/21/1995	gec	732
4,4'-DDD	ND	2.8	ug/L	11/21/1995	gec	732
4,4'-DDE	ND	5.6	ug/L	11/21/1995	gec	732
4,4'-DDT	ND	4.7	ug/L	11/21/1995	gec	732
Dibenzo (a, h) anthracene	ND	2.5	ug/L	11/21/1995	gec	732
Di-n-butylphthalate	ND	2.5	ug/L	11/21/1995	gec	732
1,2-Dichlorobenzene	ND	1.9	ug/L	11/21/1995	gec	732
1,3-Dichlorobenzene	ND	1.9	ug/L	11/21/1995	gec	732
1,4-Dichlorobenzene	ND	4.4	ug/L	11/21/1995	gec	732
3,3'-Dichlorobenzidine	ND	17	ug/L	11/21/1995	gec	732
Dieldrin	ND	2.5	ug/L	11/21/1995	gec	732
Diethylphthalate	ND	1.9	ug/L	11/21/1995	gec	732
Dimethyl phthalate	ND	1.6	ug/L	11/21/1995	gec	732
2,4-Dinitrotoluene	ND	5.7	ug/L	11/21/1995	gec	732
2,6-Dinitrotoluene	ND	1.9	ug/L	11/21/1995	gec	732
Di-n-octyl phthalate	ND	2.5	ug/L	11/21/1995	gec	732
Endrin aldehyde	ND	50	ug/L	11/21/1995	gec	732
Fluoranthene	ND	2.2	ug/L	11/21/1995	gec	732
Fluorene	ND	1.9	ug/L	11/21/1995	gec	732
Heptachlor	ND	1.9	ug/L	11/21/1995	gec	732
Heptachlor epoxide	ND	2.2	ug/L	11/21/1995	gec	732
Hexachlorobenzene	ND	1.9	ug/L	11/21/1995	gec	732

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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METHOD BLANK REPORT

Parameter	Method	Reporting	Units	Date	Analyst	Run
	Blank					
	Found					Number
Hexachlorobutadiene	ND	0.9	ug/L	11/21/1995	gec	732
Hexachlorocyclopentadiene	ND	5.0	ug/L	11/21/1995	gec	732
Hexachloroethane	ND	1.6	ug/L	11/21/1995	gec	732
Indeno(1,2,3-cd)pyrene	ND	3.7	ug/L	11/21/1995	gec	732
Isophorone	ND	2.2	ug/L	11/21/1995	gec	732
Naphthalene	ND	1.6	ug/L	11/21/1995	gec	732
Nitrobenzene	ND	1.9	ug/L	11/21/1995	gec	732
N-Nitroso-Di-N-propylamine	ND	10	ug/L	11/21/1995	gec	732
N-Nitrosodiphenylamine	ND	10	ug/L	11/21/1995	gec	732
Phenanthrene	ND	5.4	ug/L	11/21/1995	gec	732
Pyrene	ND	1.9	ug/L	11/21/1995	gec	732
1,2,4-Trichlorobenzene	ND	1.9	ug/L	11/21/1995	gec	732
4-Chloro-3-methylphenol	ND	3.0	ug/L	11/21/1995	gec	732
2-Chlorophenol	ND	3.3	ug/L	11/21/1995	gec	732
2,4-Dichlorophenol	ND	2.7	ug/L	11/21/1995	gec	732
2,4-Dimethylphenol	ND	2.7	ug/L	11/21/1995	gec	732
2,4-Dinitrophenol	ND	42	ug/L	11/21/1995	gec	732
4,6-Dinitro-2-methylphenol	ND	24	ug/L	11/21/1995	gec	732
2-Nitrophenol	ND	3.6	ug/L	11/21/1995	gec	732
4-Nitrophenol	ND	2.4	ug/L	11/21/1995	gec	732
Pentachlorophenol	ND	3.6	ug/L	11/21/1995	gec	732
Phenol	ND	1.5	ug/L	11/21/1995	gec	732
2,4,6-Trichlorophenol	ND	2.7	ug/L	11/21/1995	gec	732
Nitrobenzene-d5 (SURR)	85		% Rec.	11/21/1995	gec	732
2-Fluorobiphenyl (SURR)	77		% Rec.	11/21/1995	gec	732
p-Terphenyl-d14 (SURR)	57		% Rec.	11/21/1995	gec	732
Phenol-d5 (SURR)	31		% Rec.	11/21/1995	gec	732
2-Fluorophenol (SURR)	37		% Rec.	11/21/1995	gec	732
2,4,6-Tribromophenol (SURR)	68		% Rec.	11/21/1995	gec	732

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike		RPD	Spike Amount	Sample Conc.	Matrix Spike		Units	Date Analyzed	Run Batch	Sample Spiked
	% Rec.	% Rec.				Spike Conc.	Dup. Conc.				
Oil & Grease (Total)	97.1	95.3	1.9	108.9	ND	105.7	102.9	mg/L	11/15/1995	363	255426
Oil & Grease (Non-Polar)	93.7	92.1	1.7	108.9	ND	102.0	99.5	mg/L	11/15/1995	345	255426
METHOD 5030/8015-M (Shell)											255092
Purgeable TPH	96.0	96.0	0.0	0.50	0.06	0.54	0.54	mg/L	11/17/1995	3357	255092
Benzene	97.9	98.7	0.8	7.57	1.2	8.61	8.67	ug/L	11/17/1995	3357	255092
Toluene	99.2	101.5	2.2	26.2	1.0	27.0	27.6	ug/L	11/17/1995	3357	255092
METHOD 5030/8015-M (Shell)											255527
Purgeable TPH	94.0	98.0	4.2	0.50	ND	0.47	0.49	mg/L	11/21/1995	3366	255527
Benzene	96.5	99.5	3.1	7.67	ND	7.40	7.63	ug/L	11/21/1995	3366	255527
Toluene	98.5	103.4	4.8	26.7	ND	26.3	27.6	ug/L	11/21/1995	3366	255527

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike			Spike Amount	Sample Conc.	Matrix Spike Dup.			Date Analyzed	Run Batch	Sample Spiked
	Matrix Spike % Rec.	Spike Dup % Rec.	RPD			Matrix Spike Conc.	Spike Dup. Conc.	Units			
METHOD 8270 (GCMS, Liquid)											255660
Acenaphthene	60.0	63.8	6.1	100	ND	60	51	ug/L	11/17/1995	729	255660
1,4-Dichlorobenzene	60.0	60.0	0.0	100	ND	60	48	ug/L	11/17/1995	729	255660
2,4-Dinitrotoluene	79.0	73.8	6.8	100	ND	79	59	ug/L	11/17/1995	729	255660
N-Nitroso-Di-N-propylamine	54.0	71.3	27.6	100	ND	54	57	ug/L	11/17/1995	729	255660
Pyrene	83.0	80.0	3.7	100	ND	83	64	ug/L	11/17/1995	729	255660
1,2,4-Trichlorobenzene	50.0	51.3	2.6	100	ND	50	41	ug/L	11/17/1995	729	255660
4-Chloro-3-methylphenol	72.0	83.1	14.3	200	ND	144	133	ug/L	11/17/1995	729	255660
2-Chlorophenol	74.5	80.6	7.9	200	ND	149	129	ug/L	11/17/1995	729	255660
4-Nitrophenol	41.0	21.9	60.7	200	ND	82	35	ug/L	11/17/1995	729	255660
Pentachlorophenol	70.5	45.0	44.2	200	ND	141	72	ug/L	11/17/1995	729	255660
Phenol	42.0	51.3	19.9	200	ND	84	82	ug/L	11/17/1995	729	255660

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LABORATORY CONTROL SAMPLE REPORT

Parameter	LCS % Recovery	Duplicate		RPD	LCS Amount Found	Duplicate		Units	Date Analyzed	Analyst Initials	Run Batch
		LCS % Recovery	LCS Amount Found			LCS Amount Expected					
Oil & Grease (Total)	94.7				113.5		119.9	mg/L	11/15/1995	shr	363
Oil & Grease (Non-Polar)	93.4				100.1		107.2	mg/L	11/15/1995	shr	345
METHOD 8270 (GCMS, Liquid)											
Acenaphthene	56.0				56		100	ug/L	11/17/1995	gec	729
1,4-Dichlorobenzene	45.0				45		100	ug/L	11/17/1995	gec	729
2,4-Dinitrotoluene	71.0				71		100	ug/L	11/17/1995	gec	729
N-Nitroso-Di-N-propylamine	51.0				51		100	ug/L	11/17/1995	gec	729
Pyrene	82.0				82		100	ug/L	11/17/1995	gec	729
1,2,4-Trichlorobenzene	38.0				38		100	ug/L	11/17/1995	gec	729
4-Chloro-3-methylphenol	67.0				134		200	ug/L	11/17/1995	gec	729
2-Chlorophenol	66.5				133		200	ug/L	11/17/1995	gec	729
4-Nitrophenol	13.0				26		200	ug/L	11/17/1995	gec	729
Pentachlorophenol	35.5				71		200	ug/L	11/17/1995	gec	729
Phenol	34.0				68		200	ug/L	11/17/1995	gec	729
Nitrobenzene-d5 (SURR)	76.0				76		100	% Rec.	11/17/1995	gec	729
2-Fluorobiphenyl (SURR)	57.0				57		100	% Rec.	11/17/1995	gec	729
p-Terphenyl-d14 (SURR)	48.0				48		100	% Rec.	11/17/1995	gec	729
Phenol-d5 (SURR)	35.0				35		100	% Rec.	11/17/1995	gec	729
2-Fluorophenol (SURR)	41.0				41		100	% Rec.	11/17/1995	gec	729
2,4,6-Tribromophenol (SURR)	57.0				57		100	% Rec.	11/17/1995	gec	729

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LABORATORY CONTROL SAMPLE REPORT

Parameter	LCS % Recovery	Duplicate		RPD	Duplicate			Units	Date Analyzed	Analyst Initials	Run Batch
		LCS % Recovery	LCS Amount		LCS Amount	LCS Amount					
METHOD 8270 (GCMS, Liquid)											
Acenaphthene	71.0		71		100		ug/L	11/21/1995	gec	732	
1,4-Dichlorobenzene	71.0		71		100		ug/L	11/21/1995	gec	732	
2,4-Dinitrotoluene	73.0		73		100		ug/L	11/21/1995	gec	732	
N-Nitroso-Di-N-propylamine	73.0		73		100		ug/L	11/21/1995	gec	732	
Pyrene	60.0		60		100		ug/L	11/21/1995	gec	732	
1,2,4-Trichlorobenzene	71.0		71		100		ug/L	11/21/1995	gec	732	
4-Chloro-3-methylphenol	67.0		134		200		ug/L	11/21/1995	gec	732	
2-Chlorophenol	58.5		117		200		ug/L	11/21/1995	gec	732	
4-Nitrophenol	31.0		62		200		ug/L	11/21/1995	gec	732	
Pentachlorophenol	72.5		145		200		ug/L	11/21/1995	gec	732	
Phenol	31.5		63		200		ug/L	11/21/1995	gec	732	
Nitrobenzene-d5 (SURR)	84.0		84		100		% Rec.	11/21/1995	gec	732	
2-Fluorobiphenyl (SURR)	72.0		72		100		% Rec.	11/21/1995	gec	732	
p-Terphenyl-d14 (SURR)	51.0		51		100		% Rec.	11/21/1995	gec	732	
Phenol-d5 (SURR)	32.0		32		100		% Rec.	11/21/1995	gec	732	
2-Fluorophenol (SURR)	40.0		40		100		% Rec.	11/21/1995	gec	732	
2,4,6-Tribromophenol (SURR)	65.0		65		100		% Rec.	11/21/1995	gec	732	

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KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
- * : Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
- ICVS : Initial Calibration Verification Standard (External Standard).
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference, $100 \text{ [Value 1 - Value 2] / mean value}$.
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- umhos/cm : Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.

COOLER RECEIPT FORM

Object: 951110-M1 Log No: 92A2
Cooler received on: 11/14/95 and checked on 11/14/95 by [Signature]
(signature)

- Are custody papers present?.....~~YES~~ NO
 - Are custody papers properly filled out?.....~~YES~~ NO
 - Are the custody papers signed?.....~~YES~~ NO
 - Is sufficient ice used?.....~~YES~~ NO
 - Did all bottles arrive in good condition (unbroken)?.....~~YES~~ NO
 - Did bottle labels match COC?.....~~YES~~ NO
 - Are proper bottles used for analysis indicated?.....~~YES~~ NO
 - Correct preservatives used?.....~~YES~~ NO
 - VOA vials checked for headspace bubbles?.....~~YES~~ NO
- Note which voas (if any) had bubbles:*

TEMP: 0°

Sample descriptor:	Number of vials:
<u>MW-3</u>	<u>1</u>
<u>FB</u>	<u>2</u>
<u>16</u>	<u>2</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

All VOAs with headspace bubbles have been set aside so they will not be used for analysis.....YES NO

List here all other jobs received in the same cooler:

Client Job #	NET log #
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

(coolerrec)