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October 12, 1995

Brian Oliva  
Alameda County Department  
of Environmental Health  
1131 Harbor Bay Parkway  
Suite 250  
Alameda, CA 94502

Re: **Third Quarter 1995**  
Shell Service Station  
WIC #204-2495-0101  
1800 Powell Street  
Emeryville, California  
WA Job #81-0794-205

Dear Mr. Oliva:

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.

**Third Quarter 1995 Activities:**

- Blaine Tech Services, Inc. (BTS) of San Jose, California measured ground water depths and collected ground water samples from the site wells (Figures 1 and 2). The BTS report describing these activities, including the analytic report for the ground water samples, are included as Attachment A.
- Weiss Associates (WA) calculated ground water elevations, compiled the analytic data (Table 1) and prepared a map showing ground water elevations and benzene concentrations (Figure 2).

**Anticipated Fourth Quarter 1995 Activities:**

- WA will submit a report presenting the results of the fourth quarter 1995 ground water sampling and ground water depth measurements. The report will include tabulated chemical analytic results, ground water elevations and a

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Weiss Associates 

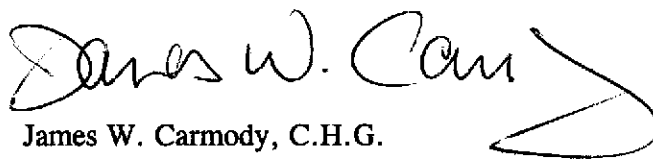
ground water elevation contour and benzene concentration in ground water map.

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 Company, P.O. Box 4023, Concord, California 94524  
Kevin Graves, Regional Water Quality Control Board - San Francisco Bay Region,  
2101 Webster Street, Suite 500, Oakland, California 94612

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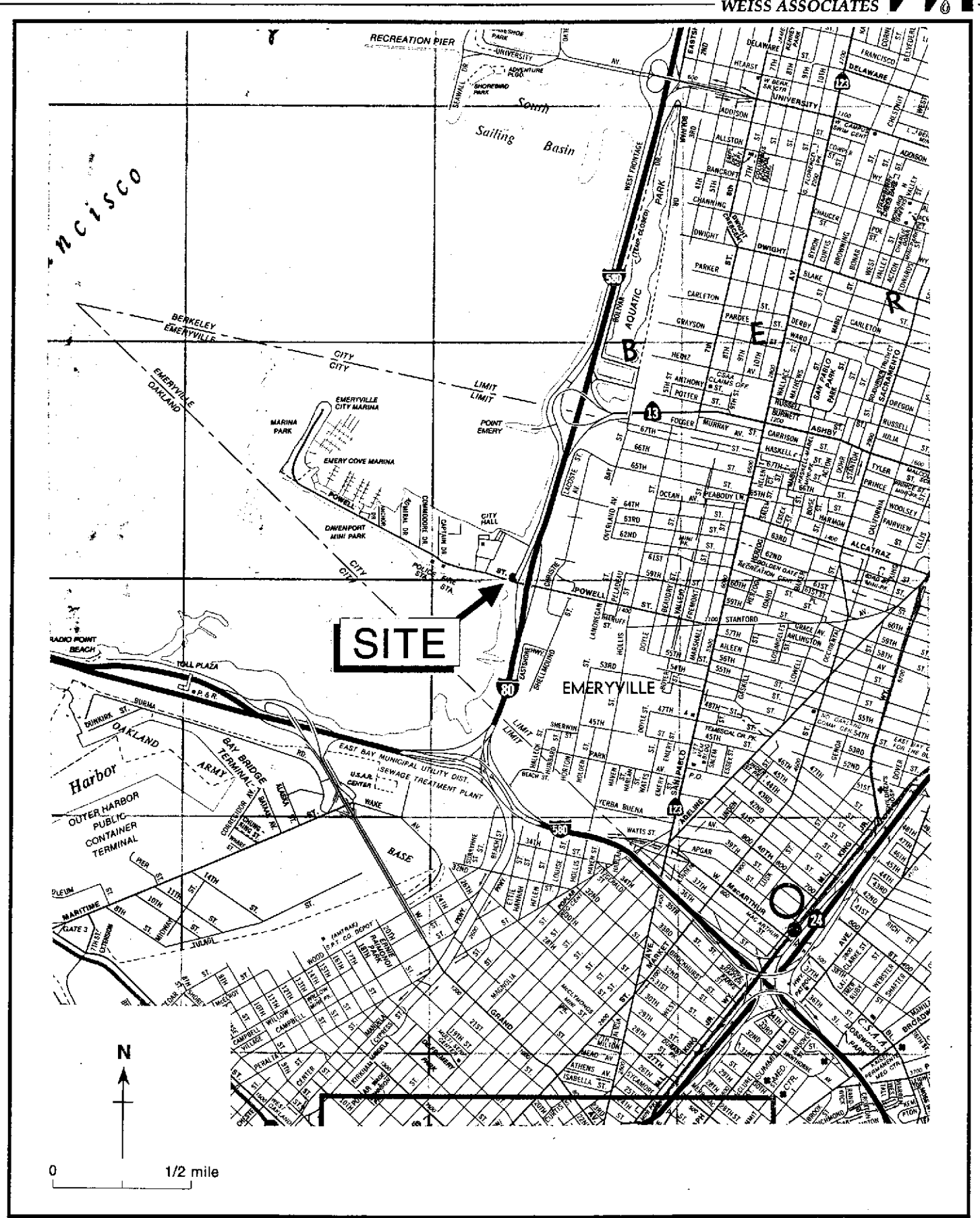


Figure 1. Site Location Map - Shell Service Station WIC# 204-2495-01, 1800 Powell Street, Emeryville, California

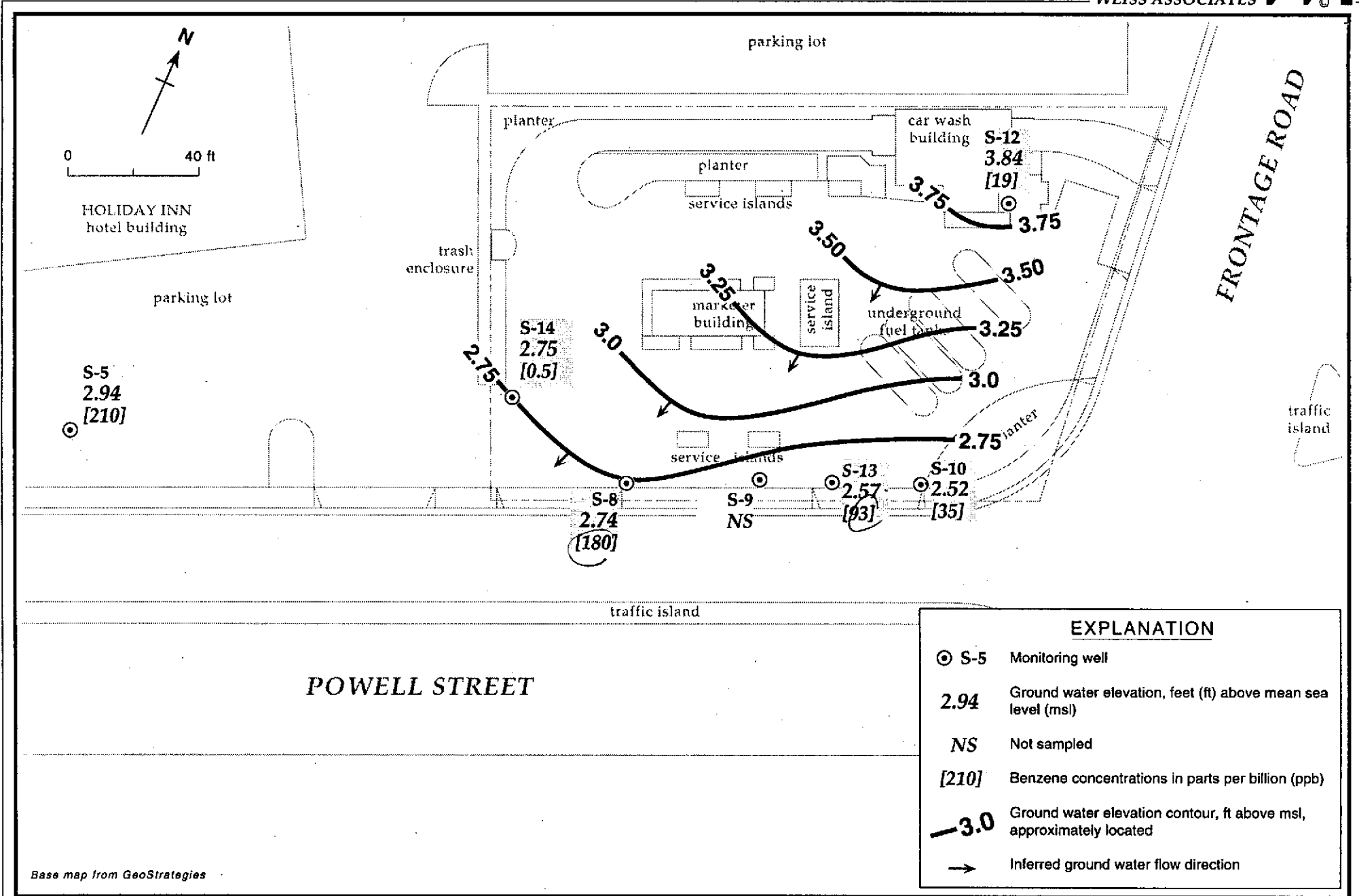


Figure 2. Monitoring Well Locations, Ground Water Elevation Contours, and Benzene Concentrations in Ground Water - August 24, 1995 - Shell Service Station - WIC# 204-2495-0107, 1800 Powell Street, Emeryville, California

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC# 204-2495-0101, 1800 Powell Street, Emeryville, California

Well ID	Sampling Date	Top-of-Box (ft msl)	Depth to Water (ft)	Separate-Phase Hydrocarbon Thickness (ft)	Ground Water Elevation (ft msl)	TDS (ppm)	parts per billion (µg/L)					
							TPH-G	TPH-D	B	T	E	X
S-5	10/26/84	11.72	---	---	---	---	3,000	---	660	20	20	70
	02/09/85		---	---	---	---	2,800	---	740	20	20	140
	04/27/85		---	---	---	---	4,300	---	750	10	20	<30
	07/06/85		---	---	---	---	1,500	---	300	8.0	7.0	9.0
	10/24/85		---	---	---	---	2,100	---	760	10	40	50
	01/03/86		---	---	---	---	1,300	---	520	9.0	8.0	10
	07/05/86		8.36	---	3.36	---	1,400	---	500	10	4.0	<10
	10/18/86		---	---	---	---	4,200	---	1,100	9.0	14	7.0
	01/13/87		---	---	---	---	4,500	6,100	1,100	15	30	25
	07/07/87		9.15	---	2.57	---	3,200	---	1,000	16	9.0	12
	10/10/87		9.67	---	2.05	---	1,700	---	16	5.7	5.2	8.9
	02/11/88		9.00	---	2.72	---	1,300	---	300	5.0	<5	<5
	05/10/88		8.61	---	3.11	---	1,900	---	490	<0.5	<5	<5
	08/31/88		9.61	---	2.11	---	6,700	---	760	26	<25	<25
	12/03/88		9.47	---	2.25	---	2,900	---	890	5.3	7.3	13
	02/16/89		8.29	---	3.43	---	1,300	---	280	3.0	3.4	9.4
	08/10/89		9.30	---	2.42	---	1,700	---	530	5.5	<5	5.8
	11/11/89		9.42	---	2.30	---	---	---	---	---	---	---
	02/21/94		7.95	---	3.77	---	1,000	---	250	<5	<5	<5
	02/21/94 <sup>dup</sup>		7.95	---	3.77	---	1,300	---	220	<5	<5	11
	05/16/94		8.00	---	3.72	---	1,200	---	230	<5	<5	<5
	08/09/94 <sup>a</sup>		---	---	---	---	---	---	---	---	---	---
	11/09/94		8.32	---	3.40	---	1,600	---	220	3.2	1.8	5.0
	11/09/94 <sup>dup</sup>		8.32	---	---	---	1,600	---	250	3.3	1.9	5.9
	02/22/95 <sup>a</sup>		---	---	---	---	---	---	---	---	---	---
	05/02/95 <sup>a</sup>		---	---	---	---	---	---	---	---	---	---
	05/10/95		---	---	---	---	910	---	170	1.5	1.3	5.2
	08/24/95		8.78	---	2.94	---	620	---	210	<0.5	1.2	5.3
	1/4/96		8.48	---	3.24	---	1,300	---	520	9	8	10



Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC# 204-2495-0101, 1800 Powell Street, Emeryville, California (continued)

Well ID	Sampling Date	Top-of-Box (ft msl)	Depth to Water (ft)	Separate-Phase Hydrocarbon Thickness (ft)	Ground Water Elevation (ft msl)	TDS (ppm)	TPH-G	TPH-D	parts per billion (µg/L)			
									B	T	E	X
S-6 <sup>b</sup>	04/27/85		---	---	---	---	6,500	---	2,400	30	50	210
	07/06/85		---	---	---	---	3,700	---	1,700	34	55	200
	10/24/85		---	---	---	---	<50	---	23	<0.5	<5	10
	11/09/85 <sup>b</sup>		---	---	---	---	---	---	---	---	---	---
S-7 <sup>b</sup>	10/26/84		---	---	---	---	50	---	1.1	<1	<1	4
	02/09/85		---	---	---	---	---	---	0.90	<1	<1	<3
	04/27/85		---	---	---	---	<50	---	<1	<1	<1	<3
	07/06/85		---	---	---	---	70	---	2.2	<1	<1	<3
	10/24/85		---	---	---	---	6,200	---	2,200	130	190	660
	11/09/85 <sup>b</sup>		---	---	---	---	---	---	---	---	---	---
S-8	10/26/84	12.76	---	---	---	---	1,000	---	610	9.0	1.0	42
	02/09/85		---	---	---	---	500	---	160	5.0	<2	17
	04/27/85		---	---	---	---	2,700	---	1500	20	10	40
	07/06/85		---	---	---	---	440	---	180	5.0	2.0	12
	10/24/85		---	---	---	---	2,000	---	1,100	17	5.0	70
	01/03/86		---	---	---	---	1,900	---	1,300	20	<10	70
	07/05/86		9.50	---	3.26	---	1,600	---	920	30	<10	60
	10/18/86		---	---	---	---	1,400	---	640	<10	<10	30
	01/13/87		---	---	---	---	670	760	190	5.8	<0.5	19
	04/22/87		---	---	---	---	2,400	---	740	54	5.7	59
	07/07/87		10.45	---	2.31	---	1,100	---	450	15	<2.5	42
	10/10/87		10.83	---	1.93	---	340	---	4.0	0.60	<0.5	17
	02/11/88		10.44	---	2.32	---	<1,000	---	260	<10	<10	11
	05/10/88		10.17	---	2.59	---	1,800	---	700	14	<5	46
	08/31/88 <sup>SPH</sup>		10.81	---	1.95	---	---	---	---	---	---	---
	12/03/88		10.81	---	1.95	---	960	---	250	4.3	<2.5	14
	02/16/89		9.65	---	3.11	---	2,700	---	800	35	10	83
	05/28/89		10.46	---	2.3	---	960	---	710	25	84	80
	11/4/90		9.77	---	---	---	1,900	---	1,300	20	16	76



Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC# 204-2495-0101, 1800 Powell Street, Emeryville, California (continued)

Well ID	Sampling Date	Top-of-Box (ft msl)	Depth to Water (ft)	Separate-Phase Hydrocarbon Thickness (ft)	Ground Water Elevation (ft msl)	TDS (ppm)	TPH-G	TPH-D	parts per billion (µg/L)			
									B	T	E	X
	08/10/89		10.59	---	2.17	---	1,300	---	630	17	<5	46
	11/11/89		10.29	---	2.47	---	910	---	180	8	<2.5	15
	02/21/94		9.52	---	3.24	2,910	3,200	---	480	52	<5	130
	05/16/94		9.49	---	3.27	---	1,000	---	220	7.3	<5	28
	05/16/94 <sup>dup</sup>		9.49	---	3.27	---	1,000	---	280	10	<5	29
	08/09/94		10.37	---	2.39	4,500	400	---	27	6.6	<0.5	18
	11/09/94		9.58	---	3.18	4,600	650	---	170	5.3	<0.5	17
	02/22/95		9.02	---	3.74	---	650	---	210	10	1.2	22
	05/02/95		8.45	---	4.31	---	1,000	---	280	17	1.4	32
	08/24/95		10.02	---	2.74	---	480	---	180	11	1.0	19
	08/24/95 <sup>dup</sup>		10.02	---	2.74	---	700	---	180	6.5	<0.5	17
S-9	10/26/84 <sup>SPH</sup>	12.75	---	---	---	---	---	---	---	---	---	---
	02/09/85 <sup>SPH</sup>		---	1.30	---	---	---	---	---	---	---	---
	04/27/85 <sup>SPH</sup>		---	1.25	---	---	---	---	---	---	---	---
	07/06/85 <sup>SPH</sup>		---	1.20	---	---	---	---	---	---	---	---
	10/24/85 <sup>SPH</sup>		---	---	---	---	---	---	---	---	---	---
	01/03/86 <sup>SPH</sup>		---	---	---	---	---	---	---	---	---	---
	04/11/86 <sup>SPH</sup>		---	---	---	---	---	---	---	---	---	---
	07/05/86 <sup>SPH</sup>		9.67	---	3.08	---	---	---	---	---	---	---
	10/18/86 <sup>SPH</sup>		---	---	---	---	---	---	---	---	---	---
	01/13/87 <sup>SPH</sup>		---	---	---	---	---	---	---	---	---	---
	04/22/87 <sup>SPH</sup>		---	---	---	---	---	---	---	---	---	---
	07/07/87 <sup>SPH</sup>		---	---	---	---	---	---	---	---	---	---
	10/10/87 <sup>SPH</sup>		22.30	---	-9.55	---	---	---	---	---	---	---
	02/24/94 <sup>SPH</sup>		---	---	---	---	---	---	---	---	---	---
	05/16/94 <sup>SPH</sup>		---	1.5	---	---	---	---	---	---	---	---
	08/09/94 <sup>SPH</sup>		11.80	2.0	0.95	---	---	---	---	---	---	---

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC# 204-2495-0101, 1800 Powell Street, Emeryville, California (continued)

Well ID	Sampling Date	Top-of-Box (ft msl)	Depth to Water (ft)	Separate-Phase Hydrocarbon Thickness (ft)	Ground Water Elevation (ft msl)	TDS (ppm)	TPH-G	TPH-D	parts per billion (µg/L)			
									B	T	E	X
	11/09/94 <sup>SPH</sup>		---	---	---	---	---	---	---	---	---	---
	02/22/95 <sup>SPH</sup>		11.40	2.38	3.25	---	---	---	---	---	---	---
	05/02/95 <sup>SPH</sup>		11.83	2.12	2.62	---	---	---	---	---	---	---
S-10	10/26/84	12.58	---	---	---	---	700,000	---	37,000	100,000	20,000	110,000
	02/09/85		---	---	---	---	6,500	---	480	700	100	1800
	04/27/85		---	---	---	---	13,000	---	1,300	500	600	3700
	07/06/85		---	---	---	---	14,000	---	1,300	310	270	2400
	10/24/85		---	---	---	---	4,200	---	580	34	4	440
	01/03/86		---	---	---	---	1,700	---	360	10	7.8	170
	04/11/86 <sup>SPH</sup>		---	0.01	---	---	---	---	---	---	---	---
	07/05/86 <sup>SPH</sup>		9.16	0.01	3.42	---	---	---	---	---	---	---
	10/18/86 <sup>SPH</sup>		---	0.03	---	---	---	---	---	---	---	---
	01/13/87 <sup>SPH</sup>		---	0.03	---	---	---	---	---	---	---	---
	04/22/87 <sup>SPH</sup>		---	0.01	---	---	---	---	---	---	---	---
	07/07/87 <sup>SPH</sup>		9.41	0.03	3.17	---	---	---	---	---	---	---
	10/10/87 <sup>SPH</sup>		7.77	---	4.81	---	---	---	---	---	---	---
	02/11/88		6.41	---	6.17	---	1,200	---	470	16	<5	14
	05/10/88		9.04	---	3.54	---	1,100	---	100	6	4	19
	08/31/88 <sup>SPH</sup>		9.38	0.01	3.20	---	---	---	---	---	---	---
	12/03/88 <sup>SPH</sup>		6.89	---	5.69	---	---	---	---	---	---	---
	02/16/89		7.34	---	5.24	---	530	---	89	8.5	1.6	4.5
	05/28/89		6.60	---	5.98	---	240	---	65	3.8	2.2	8.6
	08/10/89		9.09	---	3.49	---	250	---	23	4.1	<1	6.4
	11/11/89 <sup>c</sup>		6.58	---	6	---	320	---	1.6	1.3	1.4	6.2
	02/21/94		8.32	---	4.26	---	1,400	---	190	9.9	<2.5	19
	05/16/94		8.35	---	4.23	---	300	---	45	8.6	6.2	19
	08/08/94		8.66	---	3.92	---	700	---	57	14	<0.5	9.3
	11/09/94		6.68	---	5.90	---	640	---	130	2.0	1.6	4.1
	1/4/96		8.70	---	---	---	1700	---	360	10	7.8	170





Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC# 204-2495-0101, 1800 Powell Street, Emeryville, California (continued)

Well ID	Sampling Date	Top-of-Box (ft msl)	Depth to Water (ft)	Separate-Phase Hydrocarbon Thickness (ft)	Ground Water Elevation (ft msl)	TDS (ppm)	TPH-G	TPH-D	parts per billion (µg/L)			
									B	T	E	X
	02/22/95		9.12	---	3.46	---	500	---	65	5.9	1.0	8.2
	05/02/95		9.50	---	3.08	---	530	---	59	2.3	0.8	8.2
	08/24/95		10.06	---	2.52	---	350	---	35	4.6	<0.5	6.7
S-12	07/06/85	12.84	8.22	---	---	---	<250	2,200	0.71	<0.5	<0.5	<3.6
	11/16/85		---	---	---	---	<250	1,400	18	<2	<2	<5
	01/03/86		---	---	---	---	<250	---	24	2	<2	<5
	07/05/86		8.27	---	4.57	---	80	---	15	0.7	<0.5	2
	10/18/86		---	---	---	---	150	---	12	9	<0.5	3.6
	01/13/87		---	---	---	---	120	1,000	3.6	0.8	<0.5	2.9
	04/22/87		---	---	---	---	100	820	3.7	3.8	0.8	11
	07/07/87		9.5	---	3.34	---	70	---	2.5	0.8	<0.5	2.4
	10/10/87		9.9	---	2.94	---	220	2,500	2.1	0.7	<0.5	1.2
	02/11/88		9.43	---	3.41	---	110	2,500	0.8	<0.5	<0.5	1.3
	05/10/88		8.65	---	4.19	---	140	3,800 <sup>d</sup>	0.8	0.8	<0.5	2.5
	08/31/88		9.86	---	2.98	---	190	2,600 <sup>d</sup>	3	15	0.5	4.5
	12/03/88		9.93	---	2.91	---	180	3,900 <sup>d</sup>	1.2	1	1	7.7
	02/16/89		8.08	---	4.76	---	350 <sup>e</sup>	2,100 <sup>d</sup>	0.6	<0.5	0.5	5.5
	05/28/89		9.08	---	3.76	---	290	2,200	2	1.6	4.4	6
	08/10/89		9.35	---	3.49	---	240	720	0.7	<0.5	<0.5	1.1
	11/11/89		9.28	---	3.56	---	210 <sup>e</sup>	4,100	0.7	0.5	<0.5	3.4
	02/21/94		8.22	---	4.62	---	240 <sup>f</sup>	2,200 <sup>g</sup>	0.7	<0.5	<0.5	3.6
	05/16/94		8.92	---	3.92	---	96	2,200	1.5	<0.5	<0.5	2.0
	08/08/94		---	---	---	---	110 <sup>h</sup>	3,500 <sup>i</sup>	<0.5	<0.5	<0.5	<0.5
	11/09/94		7.56	---	5.28	---	80	5,400 <sup>i</sup>	80	<0.5	<0.5	0.6
	02/22/95		7.98	---	4.86	---	110	2,900 <sup>ij</sup>	0.7	<0.5	<0.5	3.7
	02/22/95 <sup>dup</sup>		7.98	---	4.86	---	110	3,400 <sup>ij</sup>	4.8	7.1	<0.5	2.1
	05/02/95		8.44	---	4.40	---	140	2,800	2.4	1.1	0.8	4.3
	08/24/95		9.00	---	3.84	---	200	1,600	19	12	5.6	24
	1/4/96		9.56	---	---	---	1250	---	24	2	<2	<5

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC# 204-2495-0101, 1800 Powell Street, Emeryville, California (continued)

Well ID	Sampling Date	Top-of-Box (ft msl)	Depth to Water (ft)	Separate-Phase Hydrocarbon Thickness (ft)	Ground Water Elevation (ft msl)	TDS (ppm)	parts per billion (µg/L)						
							TPH-G	TPH-D	B	T	E	X	
S-13	07/06/85	12.59	9.26	---	---	---	700	3,600	200	<5	<5	45	
	11/16/85		---	---	---	---	1,900	2,000	700	160	70	340	
	01/03/86		---	---	---	---	2,800	---	1,400	130	10	500	
	07/05/86		9.47	---	3.12	---	3,100	---	1,800	60	40	270	
	10/23/86		---	---	---	---	3,400	---	1,500	28	28	250	
	01/13/87		---	---	---	---	1,900	900	830	15	<10	99	
	04/22/87		---	---	---	---	2,900 <sup>e</sup>	770 <sup>j</sup>	1,100	20	30	140	
	07/07/87		10.38	---	---	2.21	---	1,500	---	880	10	6	160
	10/10/87		10.78	---	---	1.81	---	480	2,400	830	15	<0.5	120
	02/11/88		10.48	---	---	2.11	---	1,300	1,300	510	<10	<10	86
	05/10/88		9.48	---	---	3.11	---	1,000	1,300 <sup>d</sup>	470	<0.5	<5	50
	08/31/88 <sup>SPH</sup>		10.74	---	---	1.85	---	---	---	---	---	---	---
	12/03/88		10.3	---	---	2.29	---	900	2,400 <sup>d</sup>	290	4.6	<2.5	20
	02/16/89		7.6	---	---	4.99	---	840 <sup>e</sup>	1,200 <sup>d</sup>	310	3.5	<2.5	27
	05/28/89 <sup>c</sup>		10.6	---	---	1.99	---	2,100	4,600	1,100	19	50	350
	08/10/89 <sup>c</sup>		10.58	---	---	2.01	---	900	2,300	230	16	6.9	65
	11/11/89		9.84	---	---	2.75	---	2,800	2,800	200	15	8.6	58
	02/21/94		9.26	---	---	3.33	---	700	1,800 <sup>f</sup>	200	<5	<5	45
	05/16/94		9.62	---	---	2.97	---	650	1,700	180	2.5	<2.5	21
	08/08/94		10.32	---	---	2.27	---	470	2,600 <sup>i</sup>	12	1.5	0.5	14
	11/09/94 <sup>a</sup>		---	---	---	---	---	---	---	---	---	---	---
	02/22/95		8.92	---	---	3.67	---	550	2,400 <sup>j</sup>	190	4.0	<0.5	17
	05/02/95		9.52	---	---	3.07	---	790	2,100	250	6.9	1.2	22
08/24/95		10.02	---	---	2.57	---	330	1,500	93	<0.5	<0.5	2.0	
1/4/90		9.75	---	---	---	---	2,800	400	1,400	130	100	500	
S-14	11/16/85	12.69	---	---	---	---	<250	400	3	<2	<2	<5	
	01/03/86		---	---	---	---	<250	---	3	2	<2	<5	
	04/22/87		---	---	---	---	1,200	18,000	7.4	2.7	15	110	
	07/07/87		10.32	---	2.37	---	190	---	6.5	0.6	1.9	26	
	10/10/87		10.77	---	1.92	---	4,900	21,000	7	1.2	<0.5	25	



Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC# 204-2495-0101, 1800 Powell Street, Emeryville, California (continued)

Well ID	Sampling Date	Top-of-Box (ft msl)	Depth to Water (ft)	Separate-Phase Hydrocarbon Thickness (ft)	Ground Water Elevation (ft msl)	TDS (ppm)	parts per billion (µg/L)					
							TPH-G	TPH-D	B	T	E	X
	02/11/88		10.4	---	2.29	---	370	12,000 <sup>e</sup>	4.6	<2.5	<2.5	26
	05/10/88		9.66	---	3.03	---	660	2,200 <sup>d</sup>	2.9	<2.5	<2.5	24
	08/31/88		10.74	---	1.95	---	700	7,900	3.2	<2.5	<2.5	15
	12/03/88		10.69	---	2.00	---	210	11,000 <sup>d</sup>	<0.5	<0.5	0.8	6.8
	02/16/89		9.69	---	3.00	---	130 <sup>e</sup>	5,700 <sup>d</sup>	<0.5	<0.5	<0.5	4.4
	05/28/89		10.42	---	2.27	---	770	5,200	<0.5	<0.5	<0.5	4.5
	08/10/89		10.54	---	2.15	---	920	8,800	<1	<1	1.6	17
	11/11/89		9.91	---	2.78	---	710	28,000	20	57	25	69
	02/21/94		9.3	---	3.09	---	2,800	3,600	<5	<5	<5	14
	02/21/94		9.30	---	3.39	---	2,300 <sup>f</sup>	3,600 <sup>g</sup>	<5.0	<5	<5	14
	05/16/94		9.54	---	3.15	---	310	6,700	<2.5	<2.5	<2.5	3.1
	08/08/94		10.29	---	2.4	---	480 <sup>k</sup>	2,900 <sup>l</sup>	<0.5	0.6	<0.5	0.8
	08/08/94 <sup>dup</sup>		10.29	---	2.4	---	590 <sup>k</sup>	2,900 <sup>l</sup>	<0.5	0.6	<0.5	1.5
	11/09/94		9.52	---	3.07	---	170 <sup>k</sup>	6,400 <sup>l</sup>	0.7	<0.5	<0.5	2.7
	02/22/95		9.18	---	3.51	---	550	7,000 <sup>lj</sup>	<0.5	<0.5	<0.5	1.6
	05/02/95		9.49	---	3.2	---	210	2,300	1.0	0.9	1.1	6.3
	05/02/95 <sup>dup</sup>		9.49	---	3.2	---	160	2,600	0.6	0.6	0.7	3.8
	08/24/95		9.94	---	2.75	---	180	3,700	0.5	<0.5	<0.5	1.3
	11/4/95		9.8	---		---	<2.50		3	2	2	2.5
Trip	02/21/94		---	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
Blank	02/24/94		---	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	05/16/94		---	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	08/08/94		---	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	11/09/94		---	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	02/22/95		---	---	---	---	<50	---	<0.5	0.9	<0.5	<0.5
	05/02/95		---	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	05/10/95		---	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
DTSC MCLs				---		---	NE	NE	1	100 <sup>e</sup>	680	1,750



---

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC# 204-2495-0101, 1800 Powell Street, Emeryville, California (continued)

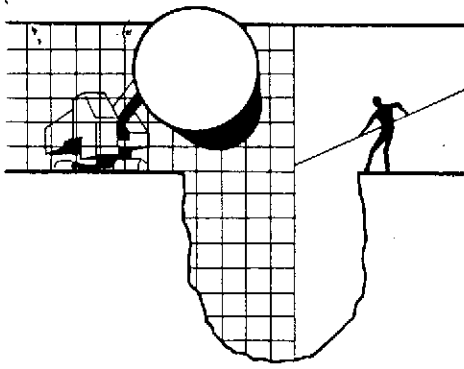
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**Abbreviations:**

ft msl = Feet above mean sea level  
TPH-G = Total petroleum hydrocarbons as gasoline by Modified EPA Method 8015  
TPH-D = Total petroleum hydrocarbons as diesel by Modified EPA Method 8015  
B = Benzene by EPA Method 8020  
T = Toluene by EPA Method 8020  
E = Ethylbenzene by EPA Method 8020  
X = Xylenes by EPA Method 8020  
DTSC MCLs = California Department of Toxic Substances Control maximum contaminant levels for drinking water  
NE = Not established  
<n = Not detected at a detection limit of n ppb  
dup = Duplicate sample  
SPH = Separate-phase hydrocarbons present, often unable to measure thickness accurately  
--- = Not analyzed/not measured

**Notes:**

a = Well inaccessible  
b = Well abandoned on 11/09/85  
c = DTSC recommended action level; MCL not established  
d = Compounds detected within the chromatographic range appear to be weathered diesel  
e = Compounds detected within the chromatographic range of gasoline but not characteristic of the standard gasoline pattern.  
f = The concentrations reported as gasoline for samples S-12 and S-14 are primarily due to the presence of a discrete peak  
g = The concentrations reported as diesel for samples S-12, S-13 and S-14 are due to the presence of a combination of diesel and a heavier petroleum product of hydrocarbon range C18 - C36, possibly motor oil  
h = The result for gasoline is an unknown hydrocarbon which consists of several peaks  
i = The positive result appears to be a heavier hydrocarbon than diesel  
j = Compounds detected within the chromatographic range of diesel appears to include gasoline compounds.  
k = The positive result appears to be a heavier hydrocarbon than gasoline  
l = Maximum concentration suitable for domestic water supply as defined by Regional Water Quality Control Board Resolution #89-39



# BLAINE TECH SERVICES INC.

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

September 19, 1995

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

Attn: Daniel T. Kirk

Shell WIC #204-2495-0101  
1800 Powell Street  
Emeryville, California

3rd Quarter 1995

## Quarterly Groundwater Monitoring Report 950823-T-2

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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

## 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)
S-5	8/23/95	TOB	ODOR	NONE	--	--	8.78	12.58
S-8 *	8/23/95	TOB	ODOR	NONE	--	--	10.02	18.81
S-9	8/23/95	TOB	FREE PRODUCT	9.90	--	--	11.90	--
S-10	8/23/95	TOB	--	NONE	--	--	10.06	19.70
S-12	8/23/95	TOB	ODOR	NONE	--	--	9.00	24.36
S-13	8/23/95	TOB	ODOR	NONE	--	--	10.02	20.27
S-14	8/23/95	TOB	ODOR	NONE	--	--	9.94	23.70

\* Sample DUP was a duplicate sample taken from well S-8.



RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD

Serial No: 250823-TL

Date: 8/25

Page 1 of 1

Silo Address: 1800 Powell Street, Emeryville  
 WIC#: 204-2495-0101

Shall Engineer: Dan Kirk  
 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

Commons:

Sampled by: KCB

Printed Name: Keith Brown

Analysis Required

LAB: Net

CHECK ONE (1) BOX ONLY	CI/DI	TURN AROUND TIME
Quarterly Monitoring <input checked="" type="checkbox"/>	441	24 hours <input type="checkbox"/>
Site Investigation <input type="checkbox"/>	441	48 hours <input type="checkbox"/>
Soil Classify/Disposal <input type="checkbox"/>	442	16 days <input checked="" type="checkbox"/> (Normal)
Water Classify/Disposal <input type="checkbox"/>	443	Other <input type="checkbox"/>
Soil/Air Rem. of Sys. O & M <input type="checkbox"/>	446	
Water Rem. of Sys. O & M <input type="checkbox"/>	446	
Other <input type="checkbox"/>		

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

Sample ID	Date	Sludge	Soil	Water	Air	No. of conds.
S-12	8/24			W		2
S-13	↓			↓		↓
S-14	↓			↓		↓

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

MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
GUSTODY SEALED	
Date: <u>8/25/95</u> Time: <u>8:15</u> Initials: <u>AK</u>	
SEAL INTACT?	
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Initials: <u>AK</u>	

Relinquished By (Signature): [Signature] Printed Name: Keith Brown

Date: 8/25/95 Time: 11:00 AM Received (Signature): [Signature]

Printed Name: A. KONTOGIANIS Date: 8-25-95

Relinquished By (Signature): [Signature] Printed Name: A. KONTOGIANIS

Date: 8/25/95 Time: 8:15 Received (Signature): [Signature]

Printed Name: [Name] Date: [Date]

Relinquished By (Signature): [Signature] Printed Name: [Name]

Date: [Date] Time: [Time] Received (Signature): [Signature]

Printed Name: YAIL PROSSER Date: 8/26/95

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

**ATTACHMENT A**

**BTS' GROUND WATER MONITORING REPORT**





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

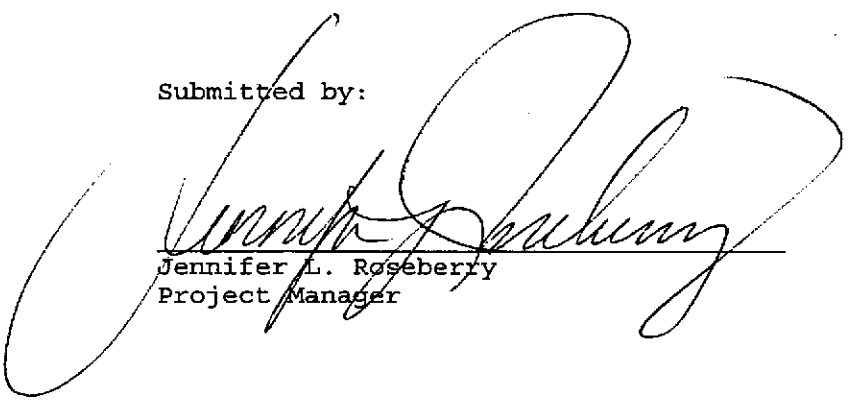
Date: 09/08/1995  
NET Client Acct. No: 1821  
NET Job No: 95.03412  
Received: 08/26/1995

Client Reference Information

Shell 1800 Powell Street, Emeryville, CA./950823-T2

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. 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:

  
Jennifer L. Roseberry  
Project Manager

Enclosure(s)





Client Name: Blaine Tech Services  
Client Acct: 1821  
NET Job No: 95.03412

Date: 09/08/1995  
ELAP Cert: 1386  
Page: 2

Ref: Shell 1800 Powell Street, Emeryville, CA./950823-T2

SAMPLE DESCRIPTION: S-12

Date Taken: 08/24/1995  
Time Taken:  
NET Sample No: 249655

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
METHOD 3510/8015-M (Shell)						08/29/1995		
DILUTION FACTOR*	1						08/31/1995	1063
Extractable TPH	1,600		50	ug/L	3510/M8015		08/31/1995	1063
Carbon range: C9 to C24	--						08/31/1995	1063

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: 95.03412

Date: 09/08/1995  
ELAP Cert: 1386  
Page: 3

Ref: Shell 1800 Powell Street, Emeryville, CA./950823-T2

SAMPLE DESCRIPTION: S-13  
Date Taken: 08/24/1995  
Time Taken:  
NET Sample No: 249656

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
METHOD 3510/8015-M (Shell)						08/29/1995		
DILUTION FACTOR*	1						08/31/1995	1063
Extractable TPH	1,500		50	ug/L	3510/M8015		08/31/1995	1063
Carbon range: C9 to C24	--						08/31/1995	1063

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: 95.03412

Date: 09/08/1995  
ELAP Cert: 1386  
Page: 4

Ref: Shell 1800 Powell Street, Emeryville, CA./950823-T2

SAMPLE DESCRIPTION: S-14  
Date Taken: 08/24/1995  
Time Taken:  
NET Sample No: 249657

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
METHOD 3510/8015-M (Shell)						08/29/1995		
DILUTION FACTOR*	1						08/31/1995	1063
Extractable TPH	3,700		50	ug/L	3510/M8015		08/31/1995	1063
Carbon range: C9 to C24	--						08/31/1995	1063

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: 95.03412

Date: 09/08/1995  
ELAP Cert: 1386  
Page: 5

Ref: Shell 1800 Powell Street, Emeryville, CA./950823-T2

## CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV	CCV	Units	Date	Analyst	Run
	Standard	Standard				
	% Recovery	Amount Found	Amount Expected	Analyzed	Initials	Number
METHOD 3510/8015-M (Shell) Extractable TPH	110.6	1106	1000	08/31/1995	tts	1063

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: 95.03412

Date: 09/08/1995  
ELAP Cert: 1386  
Page: 6

Ref: Shell 1800 Powell Street, Emeryville, CA./950823-T2

## METHOD BLANK REPORT

Parameter	Method	Reporting	Units	Date	Analyst	Run
	Blank					
METHOD 3510/8015-M (Shell)						
Extractable TPH	ND	0.05	mg/L	08/31/1995	tts	1063

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: 95.03412

Date: 09/08/1995  
ELAP Cert: 1386  
Page: 7

Ref: Shell 1800 Powell Street, Emeryville, CA./950823-T2

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike				Sample Conc.	Matrix Spike			Date Analyzed	Run Batch	Sample Spiked
	% Rec.	% Rec.	RPD	Spike Amount		Conc.	Conc.	Units			
METHOD 3510/8015-M (Shell)											
Extractable TPH	28.1	41.3	38.0	3.81	3.7	4.77	5.29	mg/L	08/31/1995	1063	249657

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: 95.03412

Date: 09/08/1995  
ELAP Cert: 1386  
Page: 8

Ref: Shell 1800 Powell Street, Emeryville, CA./950823-T2

## LABORATORY CONTROL SAMPLE REPORT

Parameter	LCS % Recovery	Duplicate		LCS Amount Found	Duplicate		Units	Date Analyzed	Analyst Initials	Run Batch
		LCS % Recovery	RPD		LCS Amount Found	LCS Amount Expected				
METHOD 3510/8015-M (Shell)										
Extractable TPH	78.5			1.57		2.00	mg/L	08/31/1995	tts	1063

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





## 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,  $100 \text{ [Value 1 - Value 2]}/\text{mean value}$ .
- 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

Project: 050823-T2 Log No: 8246  
Cooler received on: 8/26/95 and checked on 8/26/95 by \_\_\_\_\_  
Phil Busse  
(signature)

- Were custody papers present?.....~~YES~~ NO
  - Were custody papers properly filled out?.....~~YES~~ NO
  - Were the custody papers signed?.....~~YES~~ NO
  - Was sufficient ice used?.....~~YES~~ NO TEMP. 1.0°C
  - Did all bottles arrive in good condition (unbroken)?.....~~YES~~ NO
  - Did bottle labels match COC?.....~~YES~~ NO
  - Were proper bottles used for analysis indicated?.....~~YES~~ NO
  - Correct preservatives used?.....~~YES~~ NO
  - VOA vials checked for headspace bubbles?.....~~YES~~ NO NA
- Note which voas (if any) had bubbles:\*

Sample descriptor:	Number of vials:
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

\*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)



**SHELL OIL COMPANY**  
RETAIL ENVIRONMENTAL ENGINEERING - WEST

**CHAIN OF CUSTODY RECORD**  
Serial No: 950823-T2

Date: 8-23-95  
Page 1 of 2

Silo Address: 1800 Powell Street, Emeryville

**Analysis Required**

LAB: NET

WIC#: 204-2495-0101

CHECK ONE (1) BOX ONLY	CT/OT	TURN AROUND TIME
Quarterly Monitoring <input checked="" type="checkbox"/> 8441		24 hours <input type="checkbox"/>
Site Investigation <input type="checkbox"/> 8441		48 hours <input type="checkbox"/>
Soil Classfy/Diposal <input type="checkbox"/> 8442		18 days <input checked="" type="checkbox"/> (Normal)
Water Classfy/Diposal <input type="checkbox"/> 8443		Other <input type="checkbox"/>
Soil/Air Rem. of Sp. O & M <input type="checkbox"/> 8462		NOTE: Holly Lab as soon as possible of 24/48 hr. LAT.
Water Rem. of Sp. O & M <input type="checkbox"/> 8463		
Other <input type="checkbox"/>		

Shell Engineer: Dan Kirk Phone No.: (510) 875-6168  
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: The samples were very bubbly like  
Champaign. The diesel samples are only 1 liter & presumed  
Sampled by: mtchall

Printed Name: Mike Toll

Sample ID	Date	Sludge	Soil	Water	Air	No. of conls.	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	
S-5	8/23			X		3						X					
S-8	8/23			X		2						X					
S-10	8/23			X		3						X					
S-12	8/23			X		3A						X					
S-13	8/23			X		3A						X					
S-14	8/23			X		3A						X					
DUP	8/23			X		3						X					
EB	8/23			X		3						X					

MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
<b>CUSTODY SEALED</b>	
Date: <u>8/24/95</u> Time: <u>1530</u> Initials: <u>AK</u>	
<b>SEAL INTACT?</b>	
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Initials: <u>AK</u>	

Relinquished By (Signature): <u>mtchall</u>	Printed Name: <u>Mike Toll</u>	Date: <u>8-24-95</u>	Time: <u>1040</u>	Received (Signature): <u>[Signature]</u>	Printed Name: <u>KONTUGIANIS</u>	Date: <u>8-24-95</u>	Time: <u>1040</u>
Relinquished By (Signature): <u>[Signature]</u>	Printed Name: <u>KONTUGIANIS</u>	Date: <u>8-24-95</u>	Time: <u>1530</u>	Received (Signature): <u>[Signature]</u>	Printed Name: <u>PAM GREENE</u>	Date: <u>8-25-95</u>	Time: <u>01:20</u>
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

VIA: NCS



**Silo Address:** 1800 Powell Street, Emeryville  
**WICK:** 204-2495-0101  
**Shell Engineer:** Dan Kirk  
 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:**

**Analysis Required**

**LAB:** NET

CHECK ONE (1) BOX ONLY	CT/DT	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. or Syst. O & M <input type="checkbox"/>	6442	NOTE: Notify Lab as soon as possible of 24/48 hrs. LAT.
Water Rem. or Syst. O & M <input type="checkbox"/>	6443	
Other <input type="checkbox"/>		

**Sampled by:** mike toll  
**Printed Name:** mike toll

Sample ID	Date	Sludge	Soil	Water	Air	No. of conis.
<u>TB</u>	<u>8/23</u>			<u>X</u>		<u>2</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	Asbestos	Container Size	Preparation Used	Composite Y/N
					<u>X</u>				

MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
<b>CUSTODY SEALED</b>	
Date: <u>8/24/95</u> Time: <u>1530</u> Initials: <u>AK</u>	
<b>SEAL INTACT?</b>	
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Initials: <u>GJM</u>	

Relinquished By (signature): <u>mike toll</u>	Printed Name: <u>mike toll</u>	Date: <u>8-24-95</u>	Time: <u>1040</u>	Received (signature): <u>[Signature]</u>	Printed Name: <u>KANTOGIAMS</u>	Date: <u>8-24-95</u>	Time: <u>1530</u>
Relinquished By (signature): <u>[Signature]</u>	Printed Name: <u>KANTOGIAMS</u>	Date: <u>8-24-95</u>	Time: <u>1530</u>	Received (signature): <u>[Signature]</u>	Printed Name: <u>PAM GREENE</u>	Date: <u>8-25-95</u>	Time: <u>07:20</u>
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

VIA: NCS



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

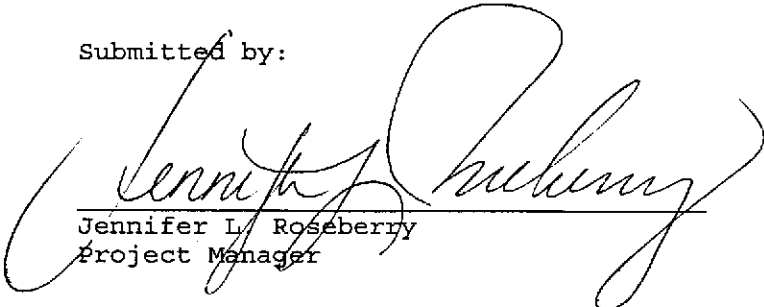
Date: 09/15/1995  
NET Client Acct. No: 1821  
NET Job No: 95.03384  
Received: 08/25/1995

Client Reference Information

Shell 1800 Powell Street, Emeryville, CA/950823-T2

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. 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:

  
Jennifer L. Roseberry  
Project Manager

Enclosure(s)





Client Name: Blaine Tech Services

Date: 09/15/1995

Client Acct: 1821

ELAP Cert: 1386

NET Job No: 95.03384

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Ref: Shell 1800 Powell Street, Emeryville, CA/950823-T2

SAMPLE DESCRIPTION: S-5

Date Taken: 08/23/1995

Time Taken:

NET Sample No: 249479

Parameter	Results	Flags	Reporting		Units	Method	Date	Date	Run
			Limit				Extracted	Analyzed	Batch
METHOD 5030/8015-M (Shell)									
DILUTION FACTOR*	1						09/06/1995		3149
Purgeable TPH	620		50		ug/L	5030/M8015	09/06/1995		3149
Carbon Range: C6 to C12	--						09/06/1995		3149
METHOD 8020 (GC, Liquid)	--						09/06/1995		3149
Benzene	210	FC	5.0		ug/L	8020	09/09/1995		3156
Toluene	ND		0.5		ug/L	8020	09/06/1995		3149
Ethylbenzene	1.2		0.5		ug/L	8020	09/06/1995		3149
Xylenes (Total)	5.3		0.5		ug/L	8020	09/06/1995		3149
SURROGATE RESULTS	--						09/06/1995		3149
Bromofluorobenzene (SURR)	114				% Rec.	8020	09/06/1995		3149

FC : Compound quantitated at a 10X dilution factor. This final dilution was outside of the method specified holding time. Result should be considered be considered as a minimum value.

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: 95.03384

Date: 09/15/1995  
ELAP Cert: 1386  
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Ref: Shell 1800 Powell Street, Emeryville, CA/950823-T2

SAMPLE DESCRIPTION: S-8  
Date Taken: 08/23/1995  
Time Taken:  
NET Sample No: 249480

Parameter	Results	Flags	Reporting		Method	Date	Date	Run Batch No.
			Limit	Units		Extracted	Analyzed	
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/06/1995	3149
Purgeable TPH	480		50	ug/L	5030/M8015		09/06/1995	3149
Carbon Range: C6 to C12	--						09/06/1995	3149
METHOD 8020 (GC, Liquid)	--						09/06/1995	3149
Benzene	180	FC	5.0	ug/L	8020		09/09/1995	3156
Toluene	11		0.5	ug/L	8020		09/06/1995	3149
Ethylbenzene	1.0		0.5	ug/L	8020		09/06/1995	3149
Xylenes (Total)	19		0.5	ug/L	8020		09/06/1995	3149
SURROGATE RESULTS	--						09/06/1995	3149
Bromofluorobenzene (SURR)	113			‡ Rec.	8020		09/06/1995	3149

FC : Compound quantitated at a 10X dilution factor. This final dilution was performed outside of the method specified holding time. Result should be considered as a minimum value.

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: 95.03384

Date: 09/15/1995  
ELAP Cert: 1386  
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Ref: Shell 1800 Powell Street, Emeryville, CA/950823-T2

SAMPLE DESCRIPTION: S-10  
Date Taken: 08/23/1995  
Time Taken:  
NET Sample No: 249481

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/06/1995	3149
Purgeable TPH	350		50	ug/L	5030/M8015		09/09/1995	3156
Carbon Range: C6 to C12	--						09/06/1995	3149
METHOD 8020 (GC, Liquid)								
Benzene	35	FC	5.0	ug/L	8020		09/06/1995	3149
Toluene	4.6		0.5	ug/L	8020		09/09/1995	3156
Ethylbenzene	ND		0.5	ug/L	8020		09/09/1995	3156
Xylenes (Total)	6.7		0.5	ug/L	8020		09/09/1995	3156
SURROGATE RESULTS								
Bromofluorobenzene (SURR)	101			% Rec.	8020		09/06/1995	3149
							09/09/1995	3156

All compounds excluding Benzene were analyzed outside of the method specified holding time.  
Results should be considered as minimum values.

FC : Compound quantitated at a 10X dilution factor.

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: 95.03384

Date: 09/15/1995  
ELAP Cert: 1386  
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Ref: Shell 1800 Powell Street, Emeryville, CA/950823-T2

SAMPLE DESCRIPTION: S-12  
Date Taken: 08/23/1995  
Time Taken:  
NET Sample No: 249482

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/05/1995	3141
Purgeable TPH	200		50	ug/L	5030/M8015		09/05/1995	3141
Carbon Range: C6 to C12	--						09/05/1995	3141
METHOD 8020 (GC, Liquid)	--						09/05/1995	3141
Benzene	19		0.5	ug/L	8020		09/05/1995	3141
Toluene	12		0.5	ug/L	8020		09/05/1995	3141
Ethylbenzene	5.6		0.5	ug/L	8020		09/05/1995	3141
Xylenes (Total)	24		0.5	ug/L	8020		09/05/1995	3141
SURROGATE RESULTS	--						09/05/1995	3141
Bromofluorobenzene (SURR)	101			% Rec.	8020		09/05/1995	3141

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  
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Ref: Shell 1800 Powell Street, Emeryville, CA/950823-T2

SAMPLE DESCRIPTION: S-13  
Date Taken: 08/23/1995  
Time Taken:  
NET Sample No: 249483

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/06/1995	3149
Purgeable TPH	330		50	ug/L	5030/M8015		09/07/1995	3149
Carbon Range: C6 to C12	--						09/06/1995	3149
METHOD 8020 (GC, Liquid)	--						09/06/1995	3149
Benzene	93	FC	5.0	ug/L	8020		09/06/1995	3149
Toluene	ND		0.5	ug/L	8020		09/07/1995	3149
Ethylbenzene	ND		0.5	ug/L	8020		09/07/1995	3149
Xylenes (Total)	2.0		0.5	ug/L	8020		09/07/1995	3149
SURROGATE RESULTS	--						09/06/1995	3149
Bromofluorobenzene (SURR)	103			% Rec.	8020		09/07/1995	3149

All compounds excluding Benzene were analyzed outside of the method specified holding time. Results should be considered as minimum values.

FC : Compound quantitated at a 10X dilution factor.

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



Client Name: Elaine Tech Services  
Client Acct: 1821  
NET Job No: 95.03384

Date: 09/15/1995  
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Ref: Shell 1800 Powell Street, Emeryville, CA/950823-T2

SAMPLE DESCRIPTION: S-14  
Date Taken: 08/23/1995  
Time Taken:  
NET Sample No: 249484

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
No.								
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/07/1995	3145
Purgeable TPH	180		50	ug/L	5030/M8015		09/07/1995	3145
Carbon Range: C6 to C12	--						09/07/1995	3145
METHOD 8020 (GC, Liquid)								
Benzene	0.5		0.5	ug/L	8020		09/07/1995	3145
Toluene	ND		0.5	ug/L	8020		09/07/1995	3145
Ethylbenzene	ND		0.5	ug/L	8020		09/07/1995	3145
Xylenes (Total)	1.3		0.5	ug/L	8020		09/07/1995	3145
SURROGATE RESULTS								
Bromofluorobenzene (SURR)	85			% Rec.	8020		09/07/1995	3145

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: 95.03384

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Ref: Shell 1800 Powell Street, Emeryville, CA/950823-T2

SAMPLE DESCRIPTION: DUP

Date Taken: 08/23/1995

Time Taken:

NET Sample No: 249485

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/07/1995	3145
Purgeable TPH	700		50	ug/L	5030/M8015		09/06/1995	3146
Carbon Range: C6 to C12	--						09/07/1995	3145
METHOD 8020 (GC, Liquid)								
Benzene	180	FC	5	ug/L	8020		09/07/1995	3145
Toluene	6.5		0.5	ug/L	8020		09/06/1995	3146
Ethylbenzene	ND		0.5	ug/L	8020		09/06/1995	3146
Xylenes (Total)	17		0.5	ug/L	8020		09/06/1995	3146
SURROGATE RESULTS								
Bromofluorobenzene (SURR)	88			% Rec.	8020		09/07/1995	3145

FC : Compound quantitated at a 10X dilution factor.

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  
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SAMPLE DESCRIPTION: EB  
Date Taken: 08/23/1995  
Time Taken:  
NET Sample No: 249486

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/06/1995	3146
Purgeable TPH	ND		50	ug/L	5030/M8015		09/06/1995	3146
Carbon Range: C6 to C12	--						09/06/1995	3146
METHOD 8020 (GC, Liquid)								
Benzene	ND		0.5	ug/L	8020		09/06/1995	3146
Toluene	ND		0.5	ug/L	8020		09/06/1995	3146
Ethylbenzene	ND		0.5	ug/L	8020		09/06/1995	3146
Xylenes (Total)	ND		0.5	ug/L	8020		09/06/1995	3146
SURROGATE RESULTS								
Bromofluorobenzene (SURRE)	90			% Rec.	8020		09/06/1995	3146

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



Client Name: Elaine Tech Services  
Client Acct: 1821  
NET Job No: 95.03384

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Ref: Shell 1800 Powell Street, Emeryville, CA/950823-T2

SAMPLE DESCRIPTION: TB  
Date Taken: 08/23/1995  
Time Taken:  
NET Sample No: 249487

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/06/1995	3146
Purgeable TPH	ND		50	ug/L	5030/M8015		09/06/1995	3146
Carbon Range: C6 to C12	--						09/06/1995	3146
METHOD 8020 (GC, Liquid)	--						09/06/1995	3146
Benzene	ND		0.5	ug/L	8020		09/06/1995	3146
Toluene	ND		0.5	ug/L	8020		09/06/1995	3146
Ethylbenzene	ND		0.5	ug/L	8020		09/06/1995	3146
Xylenes (Total)	ND		0.5	ug/L	8020		09/06/1995	3146
SURROGATE RESULTS	--						09/06/1995	3146
Bromofluorobenzene (SURR)	82			% Rec.	8020		09/06/1995	3146

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: 95.03384

Date: 09/15/1995  
ELAP Cert: 1386  
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Ref: Shell 1800 Powell Street, Emeryville, CA/950823-T2

## 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	102.0	0.51	0.50	mg/L	09/05/1995	dld	3141
Benzene	96.6	4.83	5.00	ug/L	09/05/1995	dld	3141
Toluene	95.0	4.75	5.00	ug/L	09/05/1995	dld	3141
Ethylbenzene	95.6	4.78	5.00	ug/L	09/05/1995	dld	3141
Xylenes (Total)	95.9	14.38	15.0	ug/L	09/05/1995	dld	3141
Bromofluorobenzene (SURR)	96.0	96	100	% Rec.	09/05/1995	dld	3141
METHOD 5030/8015-M (Shell)							
Purgeable TPH	112.0	0.56	0.50	mg/L	09/07/1995	aal	3145
Benzene	101.2	5.06	5.00	ug/L	09/07/1995	aal	3145
Toluene	100.0	5.00	5.00	ug/L	09/07/1995	aal	3145
Ethylbenzene	97.6	4.88	5.00	ug/L	09/07/1995	aal	3145
Xylenes (Total)	98.7	14.8	15.0	ug/L	09/07/1995	aal	3145
Bromofluorobenzene (SURR)	98.0	98	100	% Rec.	09/07/1995	aal	3145
METHOD 5030/8015-M (Shell)							
Purgeable TPH	100.0	0.50	0.50	mg/L	09/06/1995	aal	3146
Benzene	88.0	4.40	5.00	ug/L	09/06/1995	aal	3146
Toluene	100.8	5.04	5.00	ug/L	09/06/1995	aal	3146
Ethylbenzene	96.8	4.84	5.00	ug/L	09/06/1995	aal	3146
Xylenes (Total)	104.0	15.6	15.0	ug/L	09/06/1995	aal	3146
Bromofluorobenzene (SURR)	95.0	95	100	% Rec.	09/06/1995	aal	3146
METHOD 5030/8015-M (Shell)							
Purgeable TPH	96.0	0.48	0.50	mg/L	09/06/1995	lss	3149
Benzene	97.8	4.89	5.00	ug/L	09/06/1995	lss	3149
Toluene	95.2	4.76	5.00	ug/L	09/06/1995	lss	3149
Ethylbenzene	95.4	4.77	5.00	ug/L	09/06/1995	lss	3149
Xylenes (Total)	96.6	14.49	15.0	ug/L	09/06/1995	lss	3149
Bromofluorobenzene (SURR)	97.0	97	100	% Rec.	09/06/1995	lss	3149
METHOD 5030/8015-M (Shell)							
Purgeable TPH	96.0	0.48	0.50	mg/L	09/09/1995	caf	3156
Benzene	95.8	4.79	5.00	ug/L	09/09/1995	caf	3156
Toluene	92.4	4.62	5.00	ug/L	09/09/1995	caf	3156
Ethylbenzene	93.8	4.69	5.00	ug/L	09/09/1995	caf	3156
Xylenes (Total)	94.0	14.1	15.0	ug/L	09/09/1995	caf	3156
Bromofluorobenzene (SURR)	92.0	92	100	% Rec.	09/09/1995	caf	3156

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: 95.03384

Date: 09/15/1995  
ELAP Cert: 1386  
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Ref: Shell 1800 Powell Street, Emeryville, CA/950823-T2

## METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 5030/8015-M (Shell)						
Purgeable TPH	ND	0.05	mg/L	09/05/1995	dld	3141
Benzene	ND	0.5	ug/L	09/05/1995	dld	3141
Toluene	ND	0.5	ug/L	09/05/1995	dld	3141
Ethylbenzene	ND	0.5	ug/L	09/05/1995	dld	3141
Xylenes (Total)	ND	0.5	ug/L	09/05/1995	dld	3141
Bromofluorobenzene (SURR)	96		% Rec.	09/05/1995	dld	3141
METHOD 5030/8015-M (Shell)						
Purgeable TPH	ND	0.05	mg/L	09/07/1995	aal	3145
Benzene	ND	0.5	ug/L	09/07/1995	aal	3145
Toluene	ND	0.5	ug/L	09/07/1995	aal	3145
Ethylbenzene	ND	0.5	ug/L	09/07/1995	aal	3145
Xylenes (Total)	ND	0.5	ug/L	09/07/1995	aal	3145
Bromofluorobenzene (SURR)	94		% Rec.	09/07/1995	aal	3145
METHOD 5030/8015-M (Shell)						
Purgeable TPH	ND	0.05	mg/L	09/06/1995	aal	3146
Benzene	ND	0.5	ug/L	09/06/1995	aal	3146
Toluene	ND	0.5	ug/L	09/06/1995	aal	3146
Ethylbenzene	ND	0.5	ug/L	09/06/1995	aal	3146
Xylenes (Total)	ND	0.5	ug/L	09/06/1995	aal	3146
Bromofluorobenzene (SURR)	79		% Rec.	09/06/1995	aal	3146
METHOD 5030/8015-M (Shell)						
Purgeable TPH	ND	0.05	mg/L	09/06/1995	lss	3149
Benzene	ND	0.5	ug/L	09/06/1995	lss	3149
Toluene	ND	0.5	ug/L	09/06/1995	lss	3149
Ethylbenzene	ND	0.5	ug/L	09/06/1995	lss	3149
Xylenes (Total)	ND	0.5	ug/L	09/06/1995	lss	3149
Bromofluorobenzene (SURR)	97		% Rec.	09/06/1995	lss	3149
METHOD 5030/8015-M (Shell)						
Purgeable TPH	ND	0.05	mg/L	09/09/1995	caf	3156
Benzene	ND	0.5	ug/L	09/09/1995	caf	3156
Toluene	ND	0.5	ug/L	09/09/1995	caf	3156
Ethylbenzene	ND	0.5	ug/L	09/09/1995	caf	3156
Xylenes (Total)	ND	0.5	ug/L	09/09/1995	caf	3156
Bromofluorobenzene (SURR)	88		% Rec.	09/09/1995	caf	3156

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: 95.03384

Date: 09/15/1995  
 ELAP Cert: 1386  
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Ref: Shell 1800 Powell Street, Emeryville, CA/950823-T2

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike			Spike Amount	Sample Conc.	Matrix Spike			Date Analyzed	Run Batch	Sample Spiked	
	Spike % Rec.	Dup % Rec.	RPD			Spike Conc.	Dup. Conc.	Units				
METHOD 5030/8015-M (Shell)												249474
Purgeable TPH	92.0	88.0	4.4	0.50	ND	0.46	0.44	mg/L	09/05/1995	3141		249474
Benzene	91.3	91.5	0.2	9.64	ND	8.80	8.82	ug/L	09/05/1995	3141		249474
Toluene	98.4	97.4	1.0	30.4	ND	29.9	29.6	ug/L	09/05/1995	3141		249474
METHOD 5030/8015-M (Shell)												249799
Purgeable TPH	76.0	76.0	0.0	0.5	ND	0.38	0.38	mg/L	09/07/1995	3145		249799
Benzene	100.3	94.3	6.1	7.25	ND	7.27	6.84	ug/L	09/07/1995	3145		249799
Toluene	87.0	90.0	3.4	27.0	ND	23.5	24.3	ug/L	09/07/1995	3145		249799
METHOD 5030/8015-M (Shell)												249486
Purgeable TPH	94.0	82.0	13.6	0.5	ND	0.47	0.41	mg/L	09/06/1995	3146		249486
Benzene	96.2	83.3	14.4	7.8	ND	7.5	6.5	ug/L	09/06/1995	3146		249486
Toluene	94.5	83.4	12.5	28.9	ND	27.3	24.1	ug/L	09/06/1995	3146		249486
METHOD 5030/8015-M (Shell)												249488
Purgeable TPH	94.0	90.0	4.3	0.50	ND	0.47	0.45	mg/L	09/06/1995	3149		249488
Benzene	99.6	93.2	6.6	9.17	2.9	12.03	11.45	ug/L	09/06/1995	3149		249488
Toluene	102.7	101.1	1.6	29.8	ND	30.6	30.12	ug/L	09/06/1995	3149		249488
METHOD 5030/8015-M (Shell)												249481
Purgeable TPH	98.0	98.0	0.0	0.50	0.35	0.84	0.84	mg/L	09/09/1995	3156		249481
Benzene	---	---	---	8.9	30	34.6	29.3	ug/L	09/09/1995	3156		249481
Toluene	104.1	105.8	1.6	29.2	4.6	35.0	35.5	ug/L	09/09/1995	3156		249481

MI : Matrix interference.

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



## 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

Project: 950823-72 Log No: 8221  
Cooler received on: 8/25/95 and checked on 8/25/95 by Pam Greene  
(signature) [Signature]

- Were custody papers present?.....YES NO
- Were custody papers properly filled out?.....YES NO
- Were the custody papers signed?.....YES NO
- Was sufficient ice used?.....YES NO Temp 0°
- Did all bottles arrive in good condition (unbroken)?.....YES NO
- Did bottle labels match COC?.....YES NO
- Were 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:\*

Sample descriptor:

Number of vials:

S-5  
S-6  
S-10  
S-12  
S-14  
DUP  
FB  
IB

2  
3  
2  
3  
3  
3  
3  
3  
3  
2

\*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)