

November 13, 1995

**Mr. Lynn Walker**  
*Shell Oil Products Company*  
 P.O. Box 4023  
 Concord, California 94524

**RE: Quarterly Monitoring Report - Third and Fourth Quarter 1995**  
 Former Shell Service Station  
 461 8th Street  
 Oakland, California  
 WIC #204-5508-6205

Dear Mr. Walker:

This Quarterly Monitoring Report describes the recently completed activities associated with groundwater monitoring and sampling at the referenced site (Plate 1). This report was prepared to meet quarterly reporting guidelines issued by the Regional Water Quality Control Board, San Francisco Bay Region and Alameda County Health Care Services Agency (ACHCSA).

**Quarterly Monitoring & Sampling Summary**

Groundwater monitoring and sampling for the third and fourth quarter of 1995 are summarized below:

- Blaine Tech Services, Inc. (Blaine) of San Jose, California measured groundwater levels in the wells and collected groundwater samples from Wells S-4, S-6, S-8, S-9, and S-10 on ~~October 4, 1995~~. The samples were transported to National Environmental Testing (NET) of Santa Rosa, California for chemical analysis.
- Enviro, Inc. (Enviros) evaluated water-level measurement data and prepared a groundwater contour map (Plate 3). Groundwater flow direction appears to be southerly with an approximate hydraulic gradient of 0.01%.
- TPH-G concentration in groundwater samples collected the wells ranged from ND to 49,000 ppb. Benzene concentrations ranged from 1.2 to 8400 ppb. A benzene concentration map was prepared and is presented on Plate 4.
- ~~Well S-8~~ was gauged by Blaine Tech and evacuated by Crosby and Overton on a monthly basis. Separate phase hydrocarbon (SPH) thicknesses recorded during May and June were 0.28 and 0.02 feet (Table 1). ~~Monthly gauging and evacuation were discontinued after the June 30, 1995 event. Hydrocarbon absorbent booms were subsequently installed in this well to attempt more efficient collection of separate phase~~

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hydrocarbons. SPH were not detected when gauging this well during the October 4, 1995 sampling event. However, SPH entered the well during purging activities.

- The wells were also sampled during the third quarter of 1995. Data from this sampling event were lost due to laboratory error as documented in Enviros' letter to ACHCSA dated September 26, 1995.

### Quarterly Sampling

Monitoring Wells S-4, S-6, S-8, S-9, and S-10 were sampled and analyzed for Total Petroleum Hydrocarbons calculated as Gasoline (TPH-G) according to EPA Method 8015 (Modified) and benzene, toluene, ethylbenzene and xylenes (BTEX) according to EPA Method 8020. Additionally, a duplicate sample, a trip blank, and a rinsate blank were prepared and analyzed for quality control purposes.

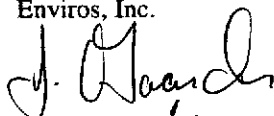
SPH hydrocarbon removal data are summarized in Table 1. Field monitoring data are summarized in Table 2. The chemical analytical data for TPH-G and BTEX have been included in the Historical Groundwater Quality Database (Table 3). Blaine's quarterly groundwater sampling report is presented in Appendix A.

Quarterly monitoring, sampling, and reporting will continue on the established schedule for the first quarter of 1996.

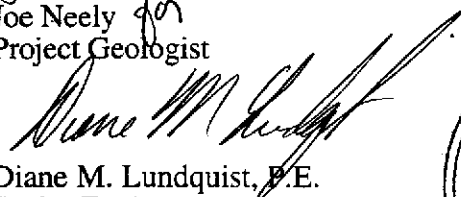
If you have any questions regarding the contents of this document, please call.

Sincerely,

Enviros, Inc.



Joe Neely for  
Project Geologist



Diane M. Lundquist, P.E.  
Senior Engineer  
C46725



Attachments:

- Table 1. Separate Phase Hydrocarbon Recovery
- Table 2. Field Monitoring Data
- Table 3. Historical Groundwater Quality Database

- Plate 1. Vicinity Map
- Plate 2. Site Plan
- Plate 3. Groundwater Contour Map
- Plate 4. Benzene Concentration Map

Appendix A

Blaine - Quarterly Groundwater Sampling Report

cc: Ms. Jennifer Eberle, Alameda County Health Care Services Agency  
Mr. Rory Campbell, Hanson, Bridgett, Marcus, Vlahos & Rudy

TABLE 1

SEPARATE PHASE HYDROCARBON RECOVERY

FORMER SHELL SERVICE STATION

461 8TH STREET

OAKLAND, CALIFORNIA

WIC #204-5508-6205

WELL NO.	MONTH DATE	PRODUCT THICKNESS (FEET)	VOLUME REMOVED (GAL)	RECOVERY TO DATE (GAL)
S-5	13-May-93	0.27	0	0
	22-Jul-93	0.25	200	200
	20-Oct-93	0.23	200	400
	25-Jan-94	0.18	150	550
	25-Apr-94	0.35	36	586
	26-May-94	0.35	130	716
	16-Jun-94	0.32	50	766
	21-Jul-94	0.47	50	816
	25-Aug-94	0.44	80	896
	22-Sep-94	0.15	45	941
	24-Oct-94	0.56	40	981
	29-Nov-94	1.13	85	1066
	22-Dec-94	0.99	0	1066
	3-Jan-95	1.21	40	1106
	22-Feb-95	0.60	60	1166
	31-Mar-95	0.02	40	1206
	20-Apr-95	0.33	60	1266
	26-May-95	0.28	50	1316
	30-Jun-95*	0.02	60	1376
	4-Oct-95	0	0	1376

Note: "Volume Removed" and "Recovery to Date" refer to a mixture of separate phase hydrocarbon and groundwater.

\* = Product removal by pumping discontinued after 30-Jun-95. Product recovery boom subsequently installed in well.

TABLE 2

## FIELD MONITORING DATA

FORMER SHELL SERVICE STATION  
461 8TH STREET  
OAKLAND, CALIFORNIA  
WIC# 204-5508-6205

WELL NO.	DATE	CASING DIA. (IN.)	TOTAL WELL DEPTH (FT.)	WELL ELEV. (FT.)	DEPTH TO LIQUID (FT.)	DEPTH TO WATER (FT.)	PRODUCT THICKNESS (FT.)	WATER ELEV. (FT.)
S-4	14-Feb-89	4	NA	93.51	12.82	12.82	0.00	80.69
	1-May-89		NA		16.48	16.48	0.00	77.03
	27-Jul-89		NA		15.84	15.84	0.00	77.67
	5-Oct-89		NA		15.98	15.98	0.00	77.53
	9-Jan-90		NA		15.86	15.86	0.00	77.65
	30-Apr-90		NA		14.48	14.48	0.00	79.03
	31-Jul-90							Well Dry
	30-Oct-90							Well Dry
	6-Mar-91		16.30		15.23	15.23	0.00	78.28
	27-Jun-91		16.20		13.54	13.54	0.00	79.97
	24-Sep-91		16.30		15.85	15.85	0.00	77.66
	7-Nov-91		16.30		15.6	15.60	0.00	77.91
	13-Feb-92		16.20		14.27	14.27	0.00	79.24
	11-May-92							Well Dry
	3-Dec-92							Well Inaccessible
	13-May-93		17.05		14.81	14.81	0.00	78.70
	22-Jul-93		16.52		14.42	14.42	0.00	79.09
	20-Oct-93							Well Inaccessible
	25-Jan-94		16.64		14.60	14.60	0.00	85.98
	25-Apr-94		16.69		14.39	14.39	0.00	86.19
	21-Jul-94		28.64		22.29	22.29	0.00	71.22
	24-Oct-94		28.81		22.72	22.72	0.00	70.79
	22-Dec-94		28.89	25.77	22.25	22.25	0.00	3.52
20-Apr-95		28.90		21.16	21.16	0.00	4.61	
4-Oct-95		29.23		22.25	22.25	0.00	3.52	
S-5	14-Feb-89	4	NA	99.36	19.87	19.87	0.00	79.49
	1-May-89		NA		21.23	21.23	sheen	78.13
	27-Jul-89		NA		20.41	20.41	0.00	78.95
	5-Oct-89		NA		20.43	20.43	0.01	78.94
	9-Jan-90		NA		21.16	21.16	0.01	78.21
	30-Apr-90		NA		20.96	20.96	0.00	78.40
	30-Jul-90		NA		20.88	20.88	0.00	78.48
	30-Oct-90		NA		21.96	21.96	0.03	77.42
	6-Mar-91		NA		23.00	23.00	0.13	76.46
	27-Jun-91		NA		20.53	20.53	0.03	78.85
	24-Sep-91		NA		21.40	21.40	0.06	78.01
	7-Nov-91		21.5		21.33	21.33	0.25	78.23
	13-Feb-92		38.2		22.52	22.52	0.31	77.09
	11-May-92		38.1		22.46	22.46	0.58	77.36

TABLE 2

## FIELD MONITORING DATA

FORMER SHELL SERVICE STATION  
461 8TH STREET  
OAKLAND, CALIFORNIA  
WIC# 204-5508-6205

WELL NO.	DATE	CASING DIA. (IN.)	TOTAL WELL DEPTH (FT.)	WELL ELEV. (FT.)	DEPTH TO LIQUID (FT.)	DEPTH TO WATER (FT.)	PRODUCT THICKNESS (FT.)	WATER ELEV. (FT.)
S-5	3-Dec-92				Well Inaccessible			
	13-May-93		37.99		22.22	22.22	0.27	77.36
	22-Jul-93		NA		21.68	21.68	0.25	77.68
	20-Oct-93		NA		20.51	20.51	0.23	79.03
	25-Jan-94		NA		21.75	21.93	0.18	77.47
	25-Apr-94		NA		21.62	21.97	0.35	77.46
	21-Jul-94		NA		21.71	22.18	0.47	77.56
	22-Dec-94		NA	22.94	21.89	22.88	0.99	0.85
	20-Apr-95		NA		21.33	21.66	0.33	1.54
	4-Oct-95		41.36		22.18	22.18	0.00	0.76
S-6	14-Feb-89	4	NA	100.58	20.87	20.87	0.00	79.71
	1-May-89		NA		20.49	20.49	0.00	80.09
	27-Jul-89		NA		21.01	21.01	0.00	79.57
	5-Oct-89		NA		21.24	21.24	0.00	79.34
	9-Jan-90		NA		22.62	22.62	sheen	77.96
	30-Apr-90		NA		22.10	22.10	0.00	78.48
	30-Jul-90		NA		22.00	22.00	0.00	78.58
	30-Oct-90		NA		22.14	22.14	0.00	78.44
	6-Mar-91		38.50		22.40	22.40	0.00	78.18
	27-Jun-91		38.40		21.21	21.21	0.00	79.37
	24-Sep-91		38.30		22.26	22.26	0.00	78.32
	7-Nov-91		38.40		22.35	22.35	0.00	78.23
	13-Feb-92		36.50		22.28	22.28	0.00	78.30
	11-May-92		37.80		22.10	22.10	0.00	78.48
	3-Dec-92		37.10		22.14	22.14	0.00	78.44
	13-May-93		37.18		22.16	22.16	0.00	78.42
	22-Jul-93		36.68		21.64	21.64	0.00	78.94
	20-Oct-93		36.63		21.62	21.62	0.00	78.96
	25-Jan-94		36.79		21.80	21.80	0.00	78.78
	25-Apr-94		36.82		21.68	21.68	0.00	78.90
	21-Jul-94		36.82		21.78	21.78	0.00	78.80
	24-Oct-94		36.74		22.06	22.06	0.00	78.52
	22-Dec-94		36.86	22.08	21.91	21.91	0.00	0.17
	20-Apr-95		36.87		21.38	21.38	0.00	0.70
	4-Oct-95		36.88		21.80	21.80	0.00	0.28
S-8	22-Dec-94	2	29.20	27.21	24.87	24.87	0.00	2.34
	20-Apr-95		29.18		23.90	23.90	0.00	3.31
	4-Oct-95		29.50		24.48	24.48	0.00	2.73

TABLE 2

FIELD MONITORING DATA

FORMER SHELL SERVICE STATION  
 461 8TH STREET  
 OAKLAND, CALIFORNIA  
 WIC# 204-5508-6205

WELL NO.	DATE	CASING DIA. (IN.)	TOTAL WELL DEPTH (FT.)	WELL ELEV. (FT.)	DEPTH TO LIQUID (FT.)	DEPTH TO WATER (FT.)	PRODUCT THICKNESS (FT.)	WATER ELEV. (FT.)
S-9	22-Dec-94	4	30.25	26.06	24.37	24.37	0.00	1.69
	20-Apr-95		30.26		23.49	23.49	0.00	2.57
	4-Oct-95		30.08		24.01	24.01	0.00	2.05
S-10	22-Dec-94	4	36.70	28.04	25.84	25.84	0.00	2.20
	20-Apr-95		36.69		24.92	24.92	0.00	3.12
	4-Oct-95		36.73		25.47	25.47	0.00	2.57

NOTES

Prior to December 1994 static water elevations referenced to project site datum.  
 All wells resurveyed in December 1994. Elevations referenced to Mean Sea Level.  
 Water elevation corrected to include 80 percent of the floating product thickness measured in the well.

**TABLE 3**  
**HISTORICAL GROUNDWATER QUALITY DATABASE**

**FORMER SHELL SERVICE STATION**  
**461 EIGHTH STREET**  
**OAKLAND, CALIFORNIA**  
**WIC 204-5508-6205**

<b>WELL ID</b>	<b>SAMPLE DATE</b>	<b>DEPTH TO WATER (FT.)</b>	<b>TPH-G (PPB)</b>	<b>BENZENE (PPB)</b>	<b>TOLUENE (PPB)</b>	<b>ETHYLBENZENE (PPB)</b>	<b>XYLENES (PPB)</b>
S-4	26-Oct-88		130	3.8	13	4	30
(Quarterly)	14-Feb-89	12.82	<50	0.5	<1	<1	3
	1-May-89	16.48			Dry		
	27-Jul-89	15.84			Dry		
	5-Oct-89	15.98			Dry		
	9-Jan-90	15.86			Dry		
	30-Apr-90	14.48	<50	<0.5	<0.5	<5	<1
	31-Jul-90				Dry		
	30-Oct-90				Dry		
	6-May-91	15.23			Dry		
	27-Jun-91	13.54	<50	<0.5	<0.5	<0.5	<0.5
	24-Sep-91	15.85			Dry		
	7-Nov-91	15.60			Dry		
	13-Feb-92	14.27	<50	<0.5	<0.5	<0.5	3
	11-May-92				Dry		
	3-Dec-92				Inaccessible		
	13-May-93	14.81			Inaccessible		
	22-Jul-93	14.42			Inaccessible		
	20-Oct-93				Inaccessible		
	25-Jan-94	14.60			Inaccessible		
	25-Apr-94	14.39			Inaccessible		
	21-Jul-94	22.29	<50	<0.5	<0.5	<0.5	<0.5
	24-Oct-94	22.72	<500	<0.3	<0.3	<0.3	<0.6
	22-Dec-94	22.25	<50	<0.5	<0.5	<0.5	<0.5
	20-Apr-95	21.16	<50	<0.5	<0.5	<0.5	<0.5
	4-Oct-95	22.25	<50	1.2	0.7	<0.5	<0.5
S-5	16-Apr-87		130,000	15,000	16,000	---	14,000
(Quarterly)	26-Oct-88		110,000	20,000	25,000	2,300	10,000
	14-Feb-89	19.87	94,000	16,000	21,000	1,800	10,000
	1-May-89	21.23	120,000	29,000	35,000	3,100	15,000
	27-Jul-89	20.41	110,000	20,000	29,000	2,400	14,000
	5-Oct-89	20.43			Floating Product 0.01 ft		
	9-Jan-90	21.16			Floating Product 0.01 ft		
	30-Apr-90	20.96	100,000	13,000	22,000	2,100	11,000
	31-Jul-90	20.88	53,000	8,300	14,000	1,200	7,400
	30-Oct-90	21.96			Floating Product 0.03 ft		
	6-May-91	23.00			Floating Product 0.13 ft		
	27-Jun-91	20.53			Floating Product 0.03 ft		
	24-Sep-91	21.40			Floating Product 0.06 ft		
	7-Nov-91	21.33			Floating Product 0.25 ft		
	13-Feb-92	22.52			Floating Product 0.31 ft		



TABLE 3

## HISTORICAL GROUNDWATER QUALITY DATABASE

FORMER SHELL SERVICE STATION  
461 EIGHTH STREET  
OAKLAND, CALIFORNIA  
WIC 204-5508-6205

WELL ID	SAMPLE DATE	DEPTH TO WATER (FT.)	TPH-G (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
S-5	11-May-92	22.46				Floating Product 0.58 ft	
	3-Dec-92					Inaccessible	
	13-May-93	22.22				Floating Product 0.27 ft	
	22-Jul-93	21.68				Floating Product 0.25 ft	
	20-Oct-93	20.51				Floating Product 0.23 ft	
	25-Jan-94	21.93				Floating Product 0.18 ft	
	25-Apr-94	21.97				Floating Product 0.35 ft	
	26-May-94	22.18				Floating Product 0.35 ft	
	10-Jun-94					Floating Product 0.32 ft	
	21-Jul-94	22.18				Floating Product 0.47 ft	
	25-Aug-94					Floating Product 0.44 ft	
	22-Sep-94					Floating Product 0.15 ft	
	24-Oct-94					Floating Product 0.56 ft	
	22-Dec-94	22.88				Floating Product 0.99 ft	
	20-Apr-95	21.66				Floating Product 0.33 ft	
	4-Oct-95	22.18				Not Sampled (a)	
S-6 (Quarterly)	16-Apr-87		81,000	16,000	9,000	---	6,400
	26-Oct-88		110,000	29,000	18,000	2,500	8,200
	14-Feb-89	20.87	54,000	18,000	4,500	1,400	4,000
	1-May-89	20.49	93,000	43,000	9,900	3,000	8,000
	27-Jul-89	21.01	52,000	20,000	3,200	1,700	5,500
	5-Oct-89	21.24	55,000	20,000	2,900	1,600	5,500
	9-Jan-90	22.62	76,000	35,000	9,100	2,300	8,600
	30-Apr-90	22.10	39,000	13,000	2,300	900	2,800
	31-Jul-90	22.00	48,000	20,000	4,600	1,500	4,900
	30-Oct-90	22.14	27,000	7,400	900	600	1,400
	6-May-91	22.40	35,000	3,900	2,700	2,300	3,500
	27-Jun-91	21.21	51,000	19,000	5,600	1,700	6,300
	24-Sep-91	22.26	42,000	14,000	4,300	1,200	4,000
	7-Nov-91	22.35	39,000	11,000	2,000	800	2,300
	13-Feb-92	22.28	64,000	21,000	6,200	1,600	5,100
	11-May-92	22.10	57,000	22,000	7,600	2,200	7,700
	3-Dec-92	22.14	110,000	26,000	9,400	2,100	8,700
	13-May-93	22.16	58,000	21,000	6,800	2,500	9,800
	22-Jul-93	21.64	70,000	31,000	14,000	3,000	13,000
	20-Oct-93	21.62	48,000	28,000	9,800	3,200	12,000
25-Jan-94	21.80	70,000	23,000	7,500	2,500	8,000	
25-Apr-94	21.68	61,000	16,000	4,000	1,800	5,100	
21-Jul-94	21.78	44,000	8,200	3,600	1,400	3,900	
24-Oct-94	22.06	2,936	1,184	440.6	163.4	648.4	

**TABLE 3**  
**HISTORICAL GROUNDWATER QUALITY DATABASE**

FORMER SHELL SERVICE STATION  
461 EIGHTH STREET  
OAKLAND, CALIFORNIA  
WIC 204-5508-6205

WELL ID	SAMPLE DATE	DEPTH TO WATER (FT.)	TPH-G (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
S-6	22-Dec-94	21.91	32,000	7,000	2900	790	2400
	20-Apr-95	21.38	56,000	15,000	3800	1900	4900
	4-Oct-95	21.80	49,000	8,400	4700	1800	4800
S-6 DUP	21-Jul-94	21.78	32,000	7,800	3,400	1,300	3,700
	24-Oct-94	22.06	2,968	770.8	325.3	144.1	622
	22-Dec-94	21.91	32,000	8,000	3,800	1,100	3,400
	20-Apr-95	21.38	49,000	13000	3500	1800	4700
	4-Oct-95	21.80	41,000	8400	4100	1400	4400
S-8 (Quarterly)	22-Dec-94	24.87	600	120	32	5.2	34
	20-Apr-95	23.90	460	180	23	5.2	21
	4-Oct-95	24.48	830	210	38	11	42
S-9 (Quarterly)	22-Dec-94	24.37	2,600	400	150	42	310
	20-Apr-95	23.49	1,900	400	130	51	200
	4-Oct-95	24.01	3,200	590	260	68	280
S-10 (Quarterly)	22-Dec-94	25.84	420	27	8.0	18	45
	20-Apr-95	24.92	820	49	3.7	97	52
	4-Oct-95	25.47	240	6.5	1.1	16	12

Abbreviations:

TPH-G = Total petroleum hydrocarbons as gasoline by Modified EPA Method 8015

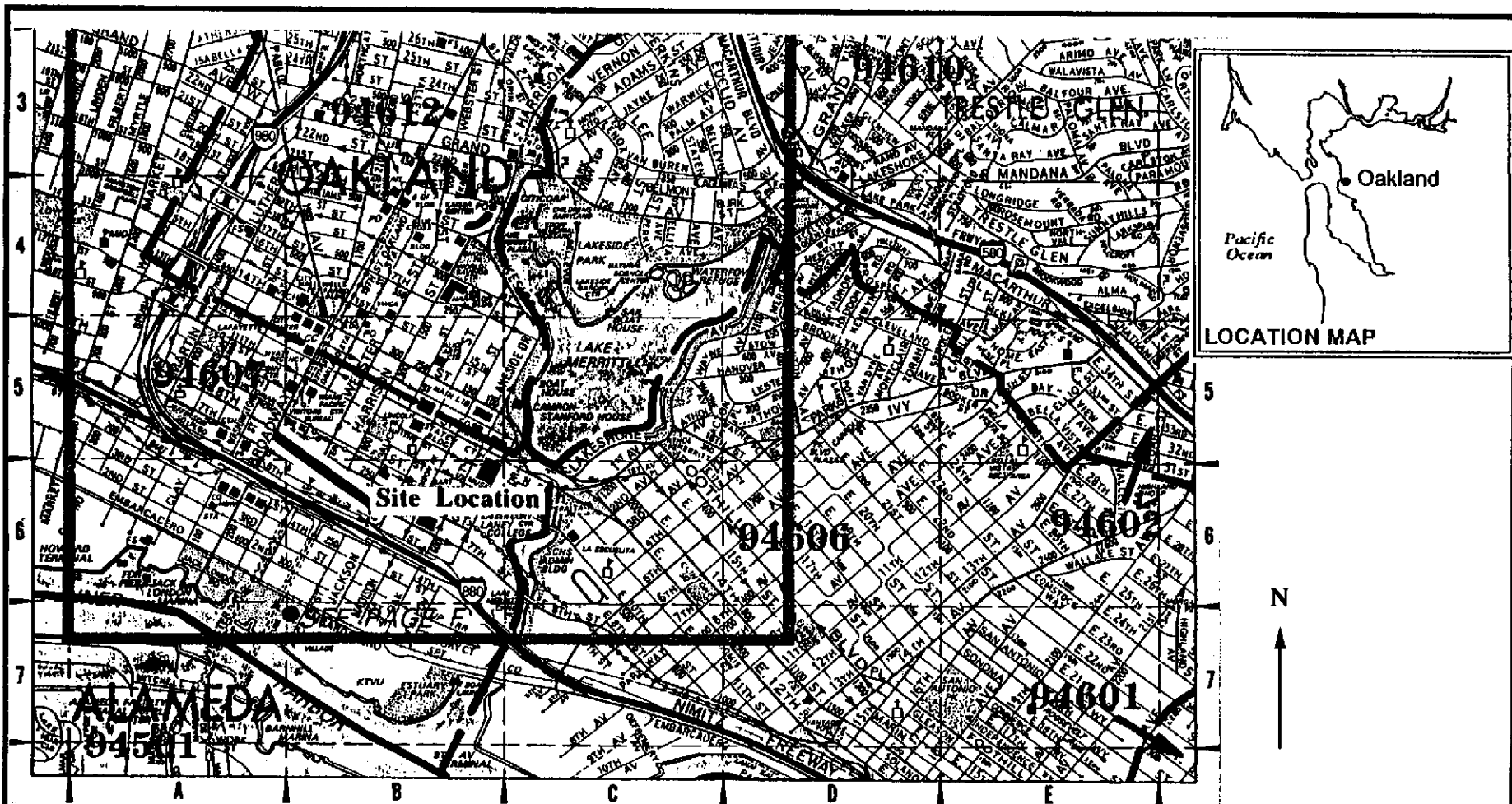
Benzene, Toluene, Ethylbenzene, and Xylenes analyzed by EPA Method 8020

--- = Ethylbenzene and Xylenes were combined prior to May 1987

<x = Not detected at detection limit of x

Notes:

(a) = SPH entered well will purging. Not sampled



Base Map: 1993 Thomas Guide

**Plate 1**

VICINITY MAP  
 Former Shell Service Station  
 461 Eighth Street  
 Oakland, California

**enviros**<sup>®</sup>

E494216.03

Drawn By: JWN

Date: 10/3/94

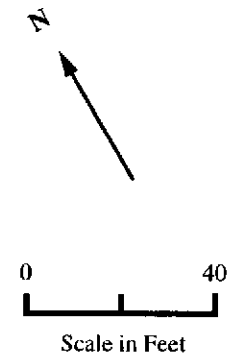
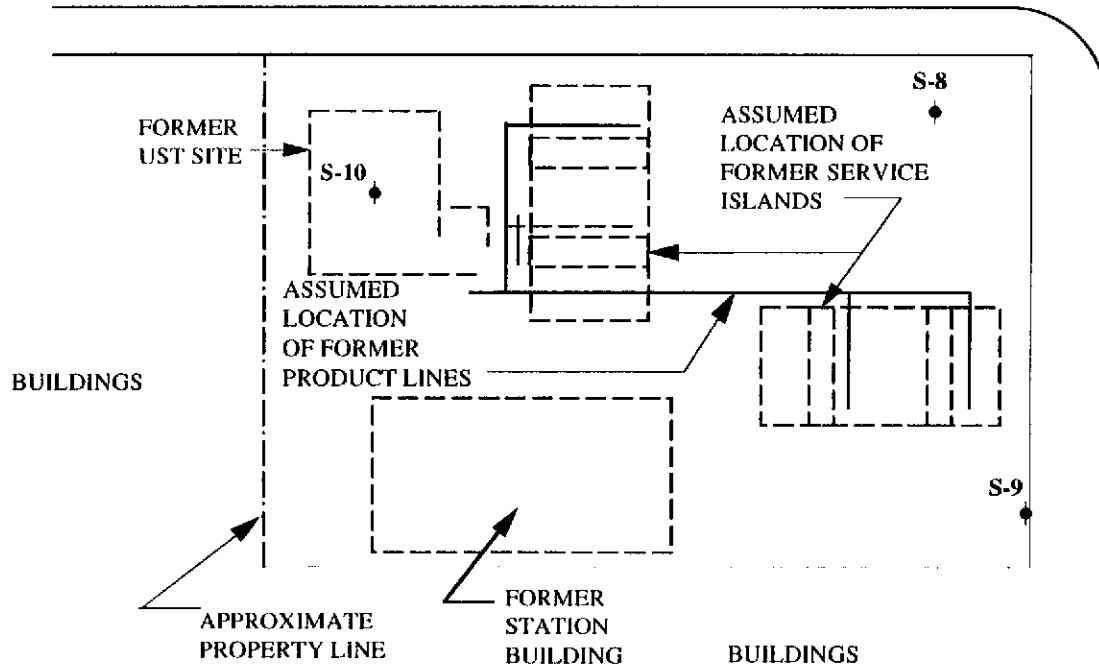
Approved By: *RJ*

Date: *11-13-97*

**EXPLANATION**

◆ Monitoring Well Location

**EIGHTH STREET**



Base Map: GeoStrategies, Inc. Site Plan 9/93

PLATE

**2**

**SITE PLAN**  
Former Shell Service Station  
461 Eighth Street  
Oakland, California

**enviros®**

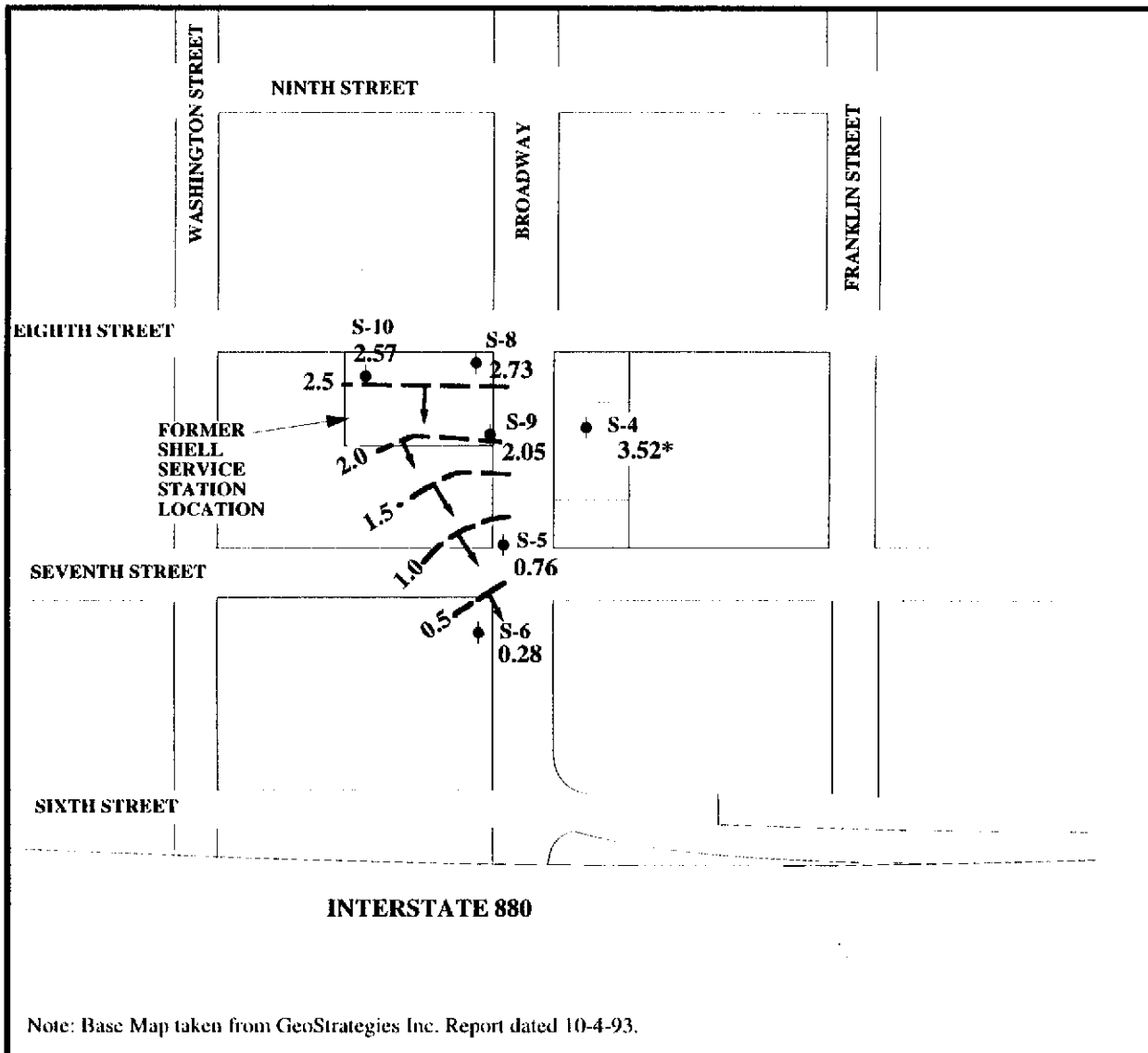
95 216

Drawn By: JWN

Date: 25-May-95

Approved By: *[Signature]*

Date: *11-13-95*



**EXPLANATION**

- ◆ Groundwater Monitoring Well
- 2.34 Groundwater Elevation in feet Referenced to Mean Sea Level
- 0.50 — Groundwater Elevation Contour
- Approximate Hydraulic Gradient = 0.015
- \* Well S-4 not used for contouring

Note: Water level collected 4-Oct-95

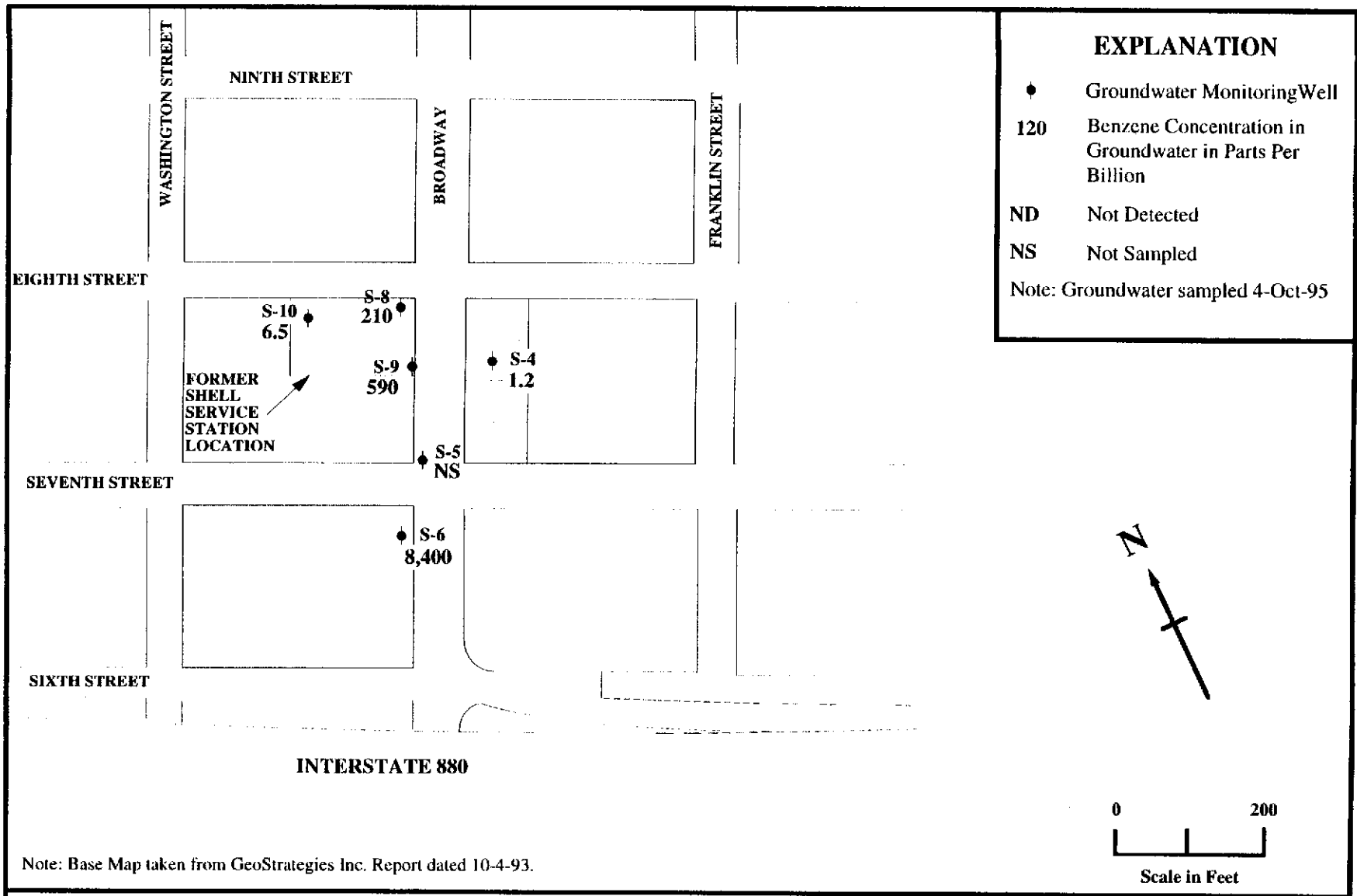
Note: Base Map taken from GeoStrategies Inc. Report dated 10-4-93.

PLATE **3** **GROUNDWATER CONTOUR MAP**  
 Former Shell Service Station  
 461 Eighth Street  
 Oakland, California

**enviros**<sup>®</sup>  
 95 216

Drawn By: JWN Date: 31-Oct-95

Approved By: AK Date: 11-13-95



Note: Base Map taken from GeoStrategies Inc. Report dated 10-4-93.

PLATE

**4**

**BENZENE CONCENTRATION MAP**

Former Shell Service Station  
461 Eighth Street  
Oakland, California

**enviros**<sup>®</sup>  
95 216

Drawn By: JWN

Date: 31-Oct-95

Approved By: *AB* Date: 11-13-95

**Appendix A**  
**BLAINE**  
**Quarterly Groundwater Sampling Report**



# BLAINE TECH SERVICES INC.

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

October 27, 1995

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

RECEIVED  
OCT 30 1995

Attn: Lynn Walker

Shell WIC #204-5508-6200  
461 8th Street  
Oakland, California

3rd & 4th Quarter 1995

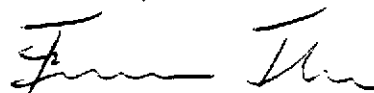
## Quarterly Groundwater Monitoring Report 951004-K-2

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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: Enviro, Inc.  
P.O. Box 259  
Sonoma, CA 95476-0259  
Attn: Diane Lundquist

(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 (gal.)	DEPTH TO WATER (feet)	DEPTH TO WELL BOTTOM (feet)
S-4	10/4/95	TOB	ODOR	--	NONE	--	22.25	29.23
S-5	5/26/95	TOB	FREE PRODUCT	21.30	0.28	50 **	21.58	--
	6/30/95	TOB	FREE PRODUCT	21.00	0.02	60 **	21.02	--
	10/4/95	TOB	ODOR	--	--	--	22.18	41.36
S-6 *	10/4/95	TOB	ODOR	NONE	--	--	21.80	36.88
S-8	10/4/95	TOB	--	NONE	--	--	24.48	29.50
S-9	10/4/95	TOB	ODOR	NONE	--	--	24.01	30.08
S-10	10/4/95	TOB	--	NONE	--	--	25.47	36.73

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

\*\* Free product/water removed by Crosby Overton.



# SHELL OIL COMPANY

RETAIL ENVIRONMENTAL ENGINEERING - WEST

## CHAIN OF CUSTODY RECORD

Serial No: 951004-1C

Date: 10/4/95

Page 1 of 1

Site Address: 461 8th Street, Oakland, CA

### Analysis Required

LAB: NW

WIC#: 204-5508-6200

Shell Engineer: Lynn Walker  
Phone No.: (510) 675-6169  
Fax #: 675-6160

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

Consultant Contact: Fran Thie  
Phone No.: (408) 99505535  
Fax #: 293-8773

Comments:

Sampled by: Keith Brown

Printed Name: KCB

CHECK ONE (1) BOX ONLY	CT/DI	TURN AROUND TIME
G.W. Monitoring <input checked="" type="checkbox"/>	4441	24 hours <input type="checkbox"/>
Site Investigation <input type="checkbox"/>	4441	48 hours <input type="checkbox"/>
Soil Classify/Disposal <input type="checkbox"/>	4442	16 days <input checked="" type="checkbox"/> (Normal)
Water Classify/Disposal <input type="checkbox"/>	4443	Other <input type="checkbox"/>
Soil/Air Rem. or Sys. O & M <input type="checkbox"/>	4452	
Water Rem. or Sys. O & M <input type="checkbox"/>	4453	
Other <input type="checkbox"/>		

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

UST AGENCY: \_\_\_\_\_

Sample ID	Date	Sludge	Soil	Water	Air	No. of conds.
S-4	10/4			W		3
S-6						
S-8						
S-9						
S-10						
DUP						
EB						
TB						2

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
					X				
					X				
					X				
					X				
					X				
					X				
					X				
					X				
					X				
					X				

MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
	ATTN:
	JENWFER
	RESAMPLE
CUSTODY SEALED	
Date: <u>10/5/95</u> Time: <u>1350</u> Initials: <u>B</u>	
SEAL INTACT?	
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Initials: <u>RB</u>
VIA RCS	

Relinquished By (signature): <u>[Signature]</u>	Printed Name: <u>Keith Brown</u>	Date: <u>10595</u>	Time: <u>1030</u>
Relinquished By (signature): <u>[Signature]</u>	Printed Name: <u>Phyllis Smart</u>	Date: <u>10595</u>	Time: <u>1350</u>
Relinquished By (signature):	Printed Name:	Date:	Time:

Received (signature): <u>[Signature]</u>	Printed Name: <u>Phyllis Smart</u>	Date: <u>10/5/95</u>	Time: <u>1350</u>
Received (signature):	Printed Name:	Date:	Time:
Received (signature): <u>[Signature]</u>	Printed Name: <u>WILL PROSSER</u>	Date: <u>10/6/95</u>	Time: <u>0950</u>
Received (signature):	Printed Name:	Date:	Time:

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

0104



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: 10/23/1995  
NET Client Acct. No: 1821  
NET Job No: 95.03928  
Received: 10/06/1995

Client Reference Information

Shell 461 8th St., Oakland, CA/951004-K2

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:

A handwritten signature in cursive script, reading "Ginger Bynlee", is written over a horizontal line.

Ginger Bynlee  
Project Coordinator

Enclosure(s)





Client Name: Blaine Tech Services  
Client Acct: 1821  
NET Job No: 95.03928

Date: 10/23/1995  
ELAP Cert: 1386  
Page: 2

Ref: Shell 461 8th St., Oakland, CA/951004-K2

SAMPLE DESCRIPTION: S-4

Date Taken: 10/04/1995

Time Taken:

NET Sample No: 252766

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						10/13/1995	3258
Purgeable TPH	ND		50	ug/L	5030/M8015		10/13/1995	3258
Carbon Range: C6 to C12	--						10/13/1995	3258
METHOD 8020 (GC, Liquid)	--						10/13/1995	3258
Benzene	1.2	C	0.5	ug/L	8020		10/13/1995	3258
Toluene	0.7	C	0.5	ug/L	8020		10/13/1995	3258
Ethylbenzene	ND		0.5	ug/L	8020		10/13/1995	3258
Xylenes (Total)	ND		0.5	ug/L	8020		10/13/1995	3258
SURROGATE RESULTS	--						10/13/1995	3258
Bromofluorobenzene (SURR)	86			% Rec.	8020		10/13/1995	3258

C : Positive result confirmed by secondary column or GC/MS analysis.

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: 95.03928

Date: 10/23/1995  
ELAP Cert: 1386  
Page: 3

Ref: Shell 461 8th St., Oakland, CA/951004-K2

SAMPLE DESCRIPTION: S-6  
Date Taken: 10/04/1995  
Time Taken:  
NET Sample No: 252767

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	100		5,000				10/13/1995	3258
Purgeable TPH	49,000		5,000	ug/L	5030/M8015		10/13/1995	3258
Carbon Range: C6 to C12	--						10/13/1995	3258
METHOD 8020 (GC, Liquid)	--						10/13/1995	3258
Benzene	8,400	FI	500	ug/L	8020		10/13/1995	3258
Toluene	4,700		50	ug/L	8020		10/13/1995	3258
Ethylbenzene	1,800		50	ug/L	8020		10/13/1995	3258
Xylenes (Total)	4,800		50	ug/L	8020		10/13/1995	3258
SURROGATE RESULTS	--						10/13/1995	3258
Bromofluorobenzene (SURR)	100			µ Rec.	8020		10/13/1995	3258

FI : Compound quantitated at a 1000X 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: 95.03928

Date: 10/23/1995  
ELAP Cert: 1386  
Page: 5

Ref: Shell 461 8th St., Oakland, CA/951004-K2

SAMPLE DESCRIPTION: S-9  
Date Taken: 10/04/1995  
Time Taken:  
NET Sample No: 252769

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
No.								
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1					10/13/1995		3261
Purgeable TPH	3,200		50	ug/L	5030/M8015	10/13/1995		3261
Carbon Range: C6 to C12	--					10/13/1995		3261
METHOD 8020 (GC, Liquid)	--					10/13/1995		3261
Benzene	590	FD	10	ug/L	8020	10/17/1995		3271
Toluene	260	FD	10	ug/L	8020	10/17/1995		3271
Ethylbenzene	68	FD	10	ug/L	8020	10/17/1995		3271
Xylenes (Total)	280	FD	10	ug/L	8020	10/17/1995		3271
SURROGATE RESULTS	--					10/13/1995		3261
Bromofluorobenzene (SRR)	81			† Rec.	8020	10/17/1995		3271

FD : Compound quantitated at a 20X 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: 95.03928

Date: 10/23/1995  
ELAP Cert: 1386  
Page: 6

Ref: Shell 461 8th St., Oakland, CA/951004-K2

SAMPLE DESCRIPTION: S-10

Date Taken: 10/04/1995

Time Taken:

NET Sample No: 252770

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						10/13/1995	3258
Purgeable TPH	240		50	ug/L	5030/M8015		10/13/1995	3258
Carbon Range: C6 to C12	--						10/13/1995	3258
METHOD 8020 (GC, Liquid)	--						10/13/1995	3258
Benzene	6.5		0.5	ug/L	8020		10/13/1995	3258
Toluene	1.1		0.5	ug/L	8020		10/13/1995	3258
Ethylbenzene	16		0.5	ug/L	8020		10/13/1995	3258
Xylenes (Total)	12		0.5	ug/L	8020		10/13/1995	3258
SURROGATE RESULTS	--						10/13/1995	3258
Bromofluorobenzene (SURR)	78			% Rec.	8020		10/13/1995	3258

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: 95.03928

Date: 10/23/1995  
ELAP Cert: 1386  
Page: 7

Ref: Shell 461 8th St., Oakland, CA/951004-K2

SAMPLE DESCRIPTION: DUP  
Date Taken: 10/04/1995  
Time Taken:  
NET Sample No: 252771

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	200						10/13/1995	3261
Purgeable TPH	41,000		2,000,000	ug/L	5030/M8015		10/13/1995	3261
Carbon Range: C6 to C12	--						10/13/1995	3261
METHOD 8020 (GC, Liquid)	--						10/13/1995	3261
Benzene	8,400		20,000	ug/L	8020		10/13/1995	3261
Toluene	4,100		20,000	ug/L	8020		10/13/1995	3261
Ethylbenzene	1,400		20,000	ug/L	8020		10/13/1995	3261
Xylenes (Total)	4,400		20,000	ug/L	8020		10/13/1995	3261
SURROGATE RESULTS	--						10/13/1995	3261
Bromofluorobenzene (SURR)	82			% Rec.	8020		10/13/1995	3261

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: 95.03928

Date: 10/23/1995  
ELAP Cert: 1386  
Page: 8

Ref: Shell 461 8th St., Oakland, CA/951004-K2

SAMPLE DESCRIPTION: EB  
Date Taken: 10/04/1995  
Time Taken:  
NET Sample No: 252772

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						10/13/1995	3258
Purgeable TPH	ND		50	ug/L	5030/M8015		10/13/1995	3258
Carbon Range: C6 to C12	--						10/13/1995	3258
METHOD 8020 (GC, Liquid)	--						10/13/1995	3258
Benzene	ND		0.5	ug/L	8020		10/13/1995	3258
Toluene	ND		0.5	ug/L	8020		10/13/1995	3258
Ethylbenzene	ND		0.5	ug/L	8020		10/13/1995	3258
Xylenes (Total)	ND		0.5	ug/L	8020		10/13/1995	3258
SURROGATE RESULTS	--						10/13/1995	3258
Bromofluorobenzene (SRR)	88			% Rec.	8020		10/13/1995	3258

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: 95.03928

Date: 10/23/1995  
 SLAP Cert: 1386  
 Page: 9

Ref: Shell 461 8th St., Oakland, CA/951004-K2

SAMPLE DESCRIPTION: TB  
 Date Taken: 10/04/1995  
 Time Taken:  
 NET Sample No: 252773

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						10/13/1995	3258
Purgeable TPH	ND		50	ug/L	5030/M8015		10/13/1995	3258
Carbon Range: C6 to C12	--						10/13/1995	3258
METHOD 8020 (GC, Liquid)	--						10/13/1995	3258
Benzene	ND		0.5	ug/L	8020		10/13/1995	3258
Toluene	ND		0.5	ug/L	8020		10/13/1995	3258
Ethylbenzene	ND		0.5	ug/L	8020		10/13/1995	3258
Xylenes (Total)	ND		0.5	ug/L	8020		10/13/1995	3258
SURROGATE RESULTS	--						10/13/1995	3258
Bromofluorobenzene (SURR)	95			% Rec.	8020		10/13/1995	3258

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: 95.03928

Date: 10/23/1995  
ELAP Cert: 1386  
Page: 10

Ref: Shell 461 8th St., Oakland, CA/951004-K2

## CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV	CCV	CCV	Units	Date Analyzed	Analyst Initials	Run Batch Number
	Standard	Standard	Standard				
	% Recovery	Amount Found	Amount Expected				
METHOD 5030/8015-M (Shell)							
Purgeable TPH	108.0	0.54	0.50	mg/L	10/13/1995	dat1	3258
Benzene	105.6	5.28	5.00	ug/L	10/13/1995	dat1	3258
Toluene	104.4	5.22	5.00	ug/L	10/13/1995	dat1	3258
Ethylbenzene	112.6	5.63	5.00	ug/L	10/13/1995	dat1	3258
Xylenes (Total)	106.0	15.9	15.0	ug/L	10/13/1995	dat1	3258
Bromofluorobenzene (SURR)	96.0	96	100	% Rec.	10/13/1995	dat1	3258
METHOD 5030/8015-M (Shell)							
Purgeable TPH	106.0	0.53	0.50	mg/L	10/13/1995	lss	3261
Benzene	96.0	4.80	5.00	ug/L	10/13/1995	lss	3261
Toluene	101.6	5.08	5.00	ug/L	10/13/1995	lss	3261
Ethylbenzene	99.2	4.96	5.00	ug/L	10/13/1995	lss	3261
Xylenes (Total)	102.7	15.4	15.0	ug/L	10/13/1995	lss	3261
Bromofluorobenzene (SURR)	85.0	85	100	% Rec.	10/13/1995	lss	3261
METHOD 5030/8015-M (Shell)							
Purgeable TPH	106.0	0.53	0.50	mg/L	10/17/1995	dat3	3271
Benzene	87.0	4.35	5.00	ug/L	10/17/1995	dat3	3271
Toluene	103.2	5.16	5.00	ug/L	10/17/1995	dat3	3271
Ethylbenzene	103.2	5.16	5.00	ug/L	10/17/1995	dat3	3271
Xylenes (Total)	108.0	16.2	15.0	ug/L	10/17/1995	dat3	3271
Bromofluorobenzene (SURR)	90.0	90	100	% Rec.	10/17/1995	dat3	3271

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: 95.03928

Date: 10/23/1995  
ELAP Cert: 1386  
Page: 11

Ref: Shell 461 8th St., Oakland, CA/951004-K2

## 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	10/13/1995	dat1	3258
Benzene	ND	0.5	ug/L	10/13/1995	dat1	3258
Toluene	ND	0.5	ug/L	10/13/1995	dat1	3258
Ethylbenzene	ND	0.5	ug/L	10/13/1995	dat1	3258
Xylenes (Total)	ND	0.5	ug/L	10/13/1995	dat1	3258
Bromofluorobenzene (SURR)	109		% Rec.	10/13/1995	dat1	3258
METHOD 5030/8015-M (Shell)						
Purgeable TPH	ND	0.05	mg/L	10/13/1995	dat1	3261
Benzene	ND	0.5	ug/L	10/13/1995	dat1	3261
Toluene	ND	0.5	ug/L	10/13/1995	dat1	3261
Ethylbenzene	ND	0.5	ug/L	10/13/1995	dat1	3261
Xylenes (Total)	ND	0.5	ug/L	10/13/1995	dat1	3261
Bromofluorobenzene (SURR)	82		% Rec.	10/13/1995	dat1	3261
METHOD 5030/8015-M (Shell)						
Purgeable TPH	ND	0.05	mg/L	10/17/1995	dat3	3271
Benzene	ND	0.5	ug/L	10/17/1995	dat3	3271
Toluene	ND	0.5	ug/L	10/17/1995	dat3	3271
Ethylbenzene	ND	0.5	ug/L	10/17/1995	dat3	3271
Xylenes (Total)	ND	0.5	ug/L	10/17/1995	dat3	3271
Bromofluorobenzene (SURR)	86		% Rec.	10/17/1995	dat3	3271

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: 95.03928

Date: 10/23/1995  
 ELAP Cert: 1386  
 Page: 12

Ref: Shell 461 8th St., Oakland, CA/951004-K2

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike				Sample Conc.	Matrix Spike			Date Analyzed	Run Batch	Sample Spiked
	Matrix Spike % Rec.	Spike Dup % Rec.	RPD	Spike Amount		Matrix Spike Conc.	Spike Dup. Conc.	Units			
METHOD 5030/8015-M (Shell)											
Purgeable TPH	90.0	98.0	8.5	0.5	ND	0.45	0.49	mg/L	10/13/1995	3258	252766
Benzene	81.6	89.8	9.6	4.9	1.2	5.2	5.6	ug/L	10/13/1995	3258	252766
Toluene	76.0	84.3	10.4	26.7	0.7	21.0	23.2	ug/L	10/13/1995	3258	252766
METHOD 5030/8015-M (Shell)											
Purgeable TPH	98.0	100.0	1.9	0.50	0.09	0.58	0.59	mg/L	10/13/1995	3261	252945
Benzene	92.3	94.9	2.8	7.8	1.4	8.6	8.8	ug/L	10/13/1995	3261	252945
Toluene	97.9	97.9	0.0	28.6	ND	28	28	ug/L	10/13/1995	3261	252945
METHOD 5030/8015-M (Shell)											
Purgeable TPH	106.0	114.0	7.3	0.5	0.5	1.03	1.07	mg/L	10/17/1995	3271	253019
Benzene	100.0	102.7	2.7	7.4	4.6	12	12.2	ug/L	10/17/1995	3271	253019
Toluene	99.7	96.6	3.2	29.2	3.1	32.2	31.3	ug/L	10/17/1995	3271	253019

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,  $100 \{ \text{Value 1} - \text{Value 2} \} / \text{mean value}$ .
- 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: QS1004-K2 Log No: 8769  
Cooler received on: 10/6/95 and checked on 10/6/95 by [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 <sup>TEMP: 4°C.</sup>
  - 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:
<u>TB</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)