Weiss Associates *Environmental and Geologic Services*

5500 Shellmound Street, Emeryville, CA 94608-2411 *Fax: 510-547-5043* *Phone: **510-450-6000***

July 31, 1995

Kevin Graves
Regional Water Quality Control Board-
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

Re: **Second Quarter 1995**
Shell Service Station
WIC #204-6138-0501
3790 Hopyard Road
Pleasanton, California
WA Job #81-0795-104

Dear Mr. Graves:

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.

Second 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 and the analytical report for the ground water samples are included as Attachment A.

- Weiss Associates (WA) calculated ground water elevations and compiled the analytic data (Table 1) and prepared a map showing ground water elevation contours and benzene concentrations in ground water (Figure 2).

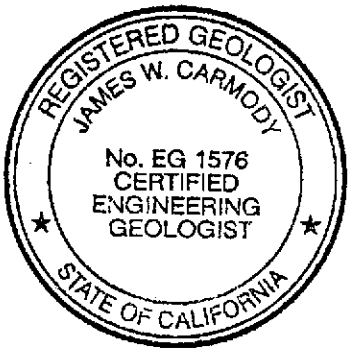
- WA recommended sampling frequency modifications for the site's ground water monitoring wells in our second and third quarter 1994 status reports and implemented these recommendations in the first quarter 1995. Therefore, all wells will be sampled annually during the second quarter.

Anticipated Third Quarter 1995 Activities:

- WA will submit a report presenting a summary of recent and proposed site activities.

Please call if you have any questions.

Sincerely,
Weiss Associates



Grady S. Glasser
Technical Assistant

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

Attachments: A - BTS Ground Water Monitoring Report

cc: Dan Kirk, Shell Oil Products Company, P.O. Box 4023, Concord, California 94524
W.F. Stiles, 516 McGrath Court, Pleasant Hill, California 94523
Ted Klenk, Pleasanton Fire Department, 4444 Railroad Street, Pleasanton, California 94566

GSG/JWC:all
J:\SHELL\0799\QM\95QTR\Q2R.DOC

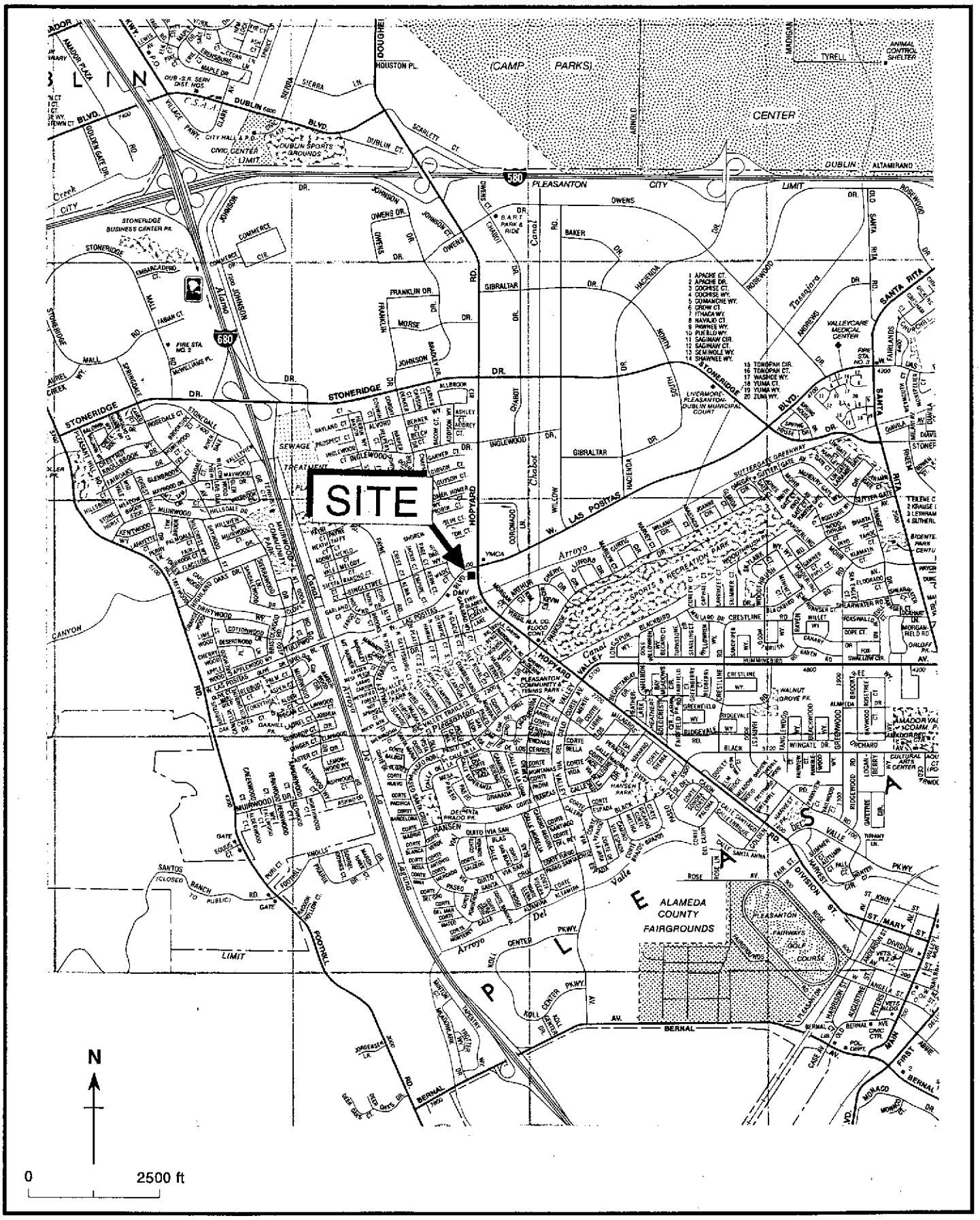


Figure 1. Site Location Map - Shell Service Station WIC# 204-6138-0501, 3790 Hopyard Road, Pleasanton, California

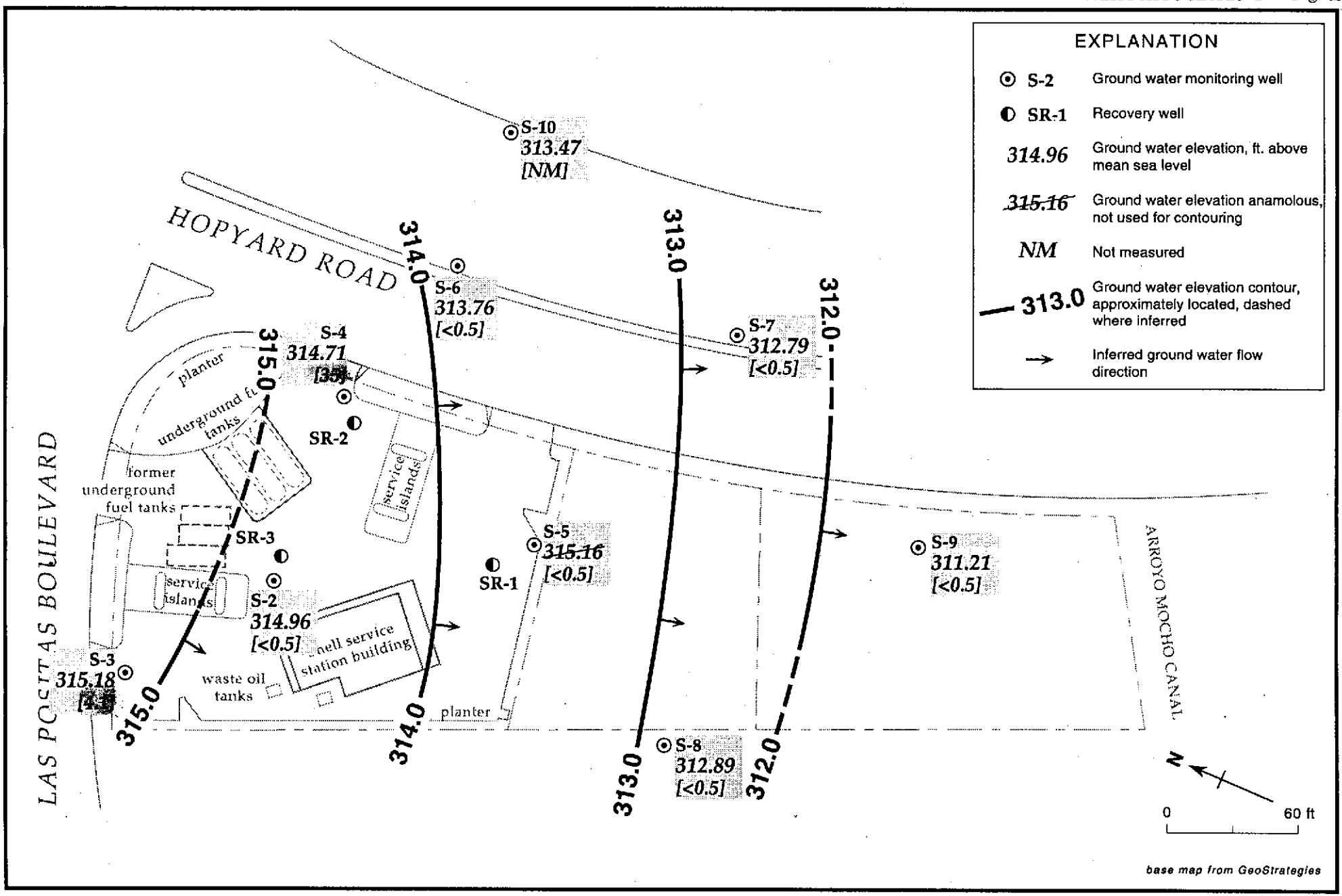


Figure 2. Monitoring Well Locations, Ground Water Elevation Contours, and Benzene Concentrations in Ground Water -June 21, 1995 - Shell Service Station WIC# 204-6138-0501 3790 Hopyard Road, Pleasanton, California

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC# 204-6138-0501, 3790 Hopyard Road, Pleasanton, California

Well ID and Sampling Frequency	Sampling Date	Top-of-Casing (ft/msl)	Depth to Water (ft)	Ground Water Elevation (ft/msl)	TPH-G	TPH-D	B	T	E	X
					← parts per billion (µg/L) →					
S-2	03/20/91	329.21	---	---	110	---	30	2.2	10	7.0
(Annually,	06/26/91		---	---	50[a]	---	6.3	<0.5	3.3	1.3
Second Quarter)	09/05/91		---	---	90	---	12	3.2	2.5	2.3
	12/13/91		---	---	<50	---	12	<0.5	<0.5	<0.5
	03/11/92		---	---	<30	---	<0.3	<0.3	<0.3	<0.3
	06/15/92		---	---	<50	---	0.9	<0.5	<0.5	<0.5
	09/17/92		---	---	78	---	2.6	1.3	1.3	0.9
	12/11/92		---	---	<50	---	0.8	<0.5	<0.5	<0.5
	02/04/93		---	---	55	---	1.3	0.7	0.7	<0.5
	06/03/93		---	---	<50	---	0.7	<0.5	<0.5	<0.5
	09/15/93		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	12/09/93		14.70	314.51	<50	---	<0.5	<0.5	<0.5	<0.5
	06/16/94		14.94	314.27	<50	---	0.8	<0.5	0.7	<0.5
	09/13/94		15.17	314.04	<50	---	<0.5	<0.5	<0.5	<0.5
	06/21/95		**14.25**	**314.96**	**<50**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
S-3	03/20/91	327.67	---	---	70	---	2.3	8.9	4.0	23
(Annually,	06/26/91		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
Second Quarter)	09/05/91		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	12/13/91		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	03/11/92		---	---	<30	---	<0.5	<0.5	<0.5	<0.5
	06/15/92		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	09/17/92		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	12/11/92		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	02/04/93		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	06/03/93		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	09/15/93		---	---	---	---	---	---	---	---

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC# 204-6138-0501, 3790 Hopyard Road, Pleasanton, California (continued)

Well ID and Sampling Frequency	Sampling Date	Top-of-Casing (ft/msl)	Depth to Water (ft)	Ground Water Elevation (ft/msl)	TPH-G	TPH-D	B	T	E	X
					← parts per billion (µg/L) →					
	12/09/93		---	---	---	---	---	---	---	---
	09/13/94		15.17	312.50	---	---	---	---	---	---
	06/21/95		**12.49**	**315.18**	**50**	**---**	**4.1**	**<0.5**	**20**	**1.2**
S-4	03/20/91	328.53	---	---	1,200	---	100	<2.0	210	130
(Annually,	06/26/91		---	---	220	---	14	<0.5	34	17
Second Quarter)	09/05/91		---	---	580	---	31	0.8	53	26
	12/13/91		---	---	370	---	24	0.9	1.3	46
	03/11/92		---	---	1,600	---	23	1.2	12	20
	06/15/92		---	---	480	---	48	<1.0	95	22
	09/17/92		---	---	260	---	35	1.2	51	7.8
	12/11/92		---	---	270	---	34	0.8	28	4.5
	02/04/93		---	---	1,100	---	12	<5.0	89	100
	06/03/93		---	---	210	---	48	1.1	42	4.0
	09/15/93		---	---	700	---	21	<1.0	110	91
	12/09/93		14.16	314.37	250	---	39	<0.5	3.8	2.6
	03/04/94		14.17	314.36	150	---	25	1.4	6.8	2.8
	03/04/94[dup]		14.17	314.36	140	---	28	0.8	7.9	3.2
	06/16/94		14.14	314.39	90	---	12	<0.5	1.8	2.4
	06/16/94[dup]		14.14	314.39	80	---	5.9	<0.5	1.5	0.9
	09/13/94		14.42	314.11	<50	---	23	<0.5	4.9	2.4
	09/13/94[dup]		14.42	314.11	<50	---	23	<0.5	4.0	2.3
	06/21/95		**13.82**	**314.71**	**270**	**---**	**34**	**1.4**	**25**	**7.6**
	06/21/95[dup]		**13.82**	**314.71**	**280**	**---**	**35**	**2.1**	**26**	**8.4**
S-5	03/20/91	329.66	---	---	310	---	39	12	18	30
(Annually,	06/26/91		---	---	1,300	---	250	62	120	180
Second Quarter)	09/05/91		---	---	4,700	---	660	150	170	280
	12/13/91		---	---	1,400	---	580	19	110	80

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC# 204-6138-0501, 3790 Hopyard Road, Pleasanton, California (continued)

Well ID and Sampling Frequency	Sampling Date	Top-of-Casing (ft/msl)	Depth to Water (ft)	Ground Water Elevation (ft/msl)	TPH-G	TPH-D	B	T	E	X
					← parts per billion (µg/L) →					
	03/11/92		---	---	<30	---	<0.3	<0.3	<0.3	<0.3
	06/15/92		---	---	1,800	---	380	52	120	180
	09/17/92		---	---	2,200	---	750	91	170	170
	12/11/92		---	---	8,700	---	1,600	66	48	340
	02/04/93		---	---	150	---	156	0.7	4.7	4.0
	06/03/93		---	---	480	---	140	3.4	17	14
	09/15/93		---	---	80	---	2.4	0.5	1.4	2.9
	12/09/93		16.26	313.40	120	---	0.56	<0.5	2.2	1.2
	03/04/94		16.25	313.41	70	---	<0.5	<0.5	<0.5	<0.5
	06/16/94		16.04	313.62	<50	---	<0.5	<0.5	<0.5	<0.5
	09/13/94		11.52	318.14	<50	---	<0.5	<0.5	<0.5	<0.5
	06/21/95		**14.50**	**315.16**	**<50**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
S-6	03/20/91	327.62	---	---	130[a]	---	606	0.6	0.7	3.0
(Annually,	06/26/91		---	---	120[a]	---	3.8	0.8	<0.5	1.7
Second Quarter)	09/05/91		---	---	60	---	<0.5	0.8	<0.5	0.5
	12/13/91		---	---	150	---	2.3	<0.5	<0.5	150
	03/11/92		---	---	<30	---	<0.3	<0.3	<0.5	<0.3
	06/15/92		---	---	170	---	<0.5	<0.5	<0.5	<0.5
	09/17/92		---	---	190	---	<0.5	1.6	<0.5	1.2
	12/11/92		---	---	180	---	<0.5	0.8	<0.5	0.7
	02/04/93		---	---	290	---	<0.5	<0.5	<0.5	0.7
	06/03/93		---	---	100	---	1.2	<0.5	<0.5	<0.5
	09/15/93		---	---	160	---	1.4	<0.5	0.9	2.0
	12/09/93		14.68	312.94	130	---	2.3	2.6	5.1	6.2
	03/04/94		14.42	313.20	220	---	<0.5	<0.5	<0.5	<0.5
	06/16/94		14.92	312.70	60	---	<0.5	<0.5	<0.5	<0.5
	09/13/94		14.72	312.90	<50	---	<0.5	6.0	<0.5	<0.5
	06/21/95		**13.86**	**313.76**	**270**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC# 204-6138-0501, 3790 Hopyard Road, Pleasanton, California (continued)

Well ID and Sampling Frequency	Sampling Date	Top-of-Casing (ft/msl)	Depth to Water (ft)	Ground Water Elevation (ft/msl)	TPH-G	TPH-D	B	T	E	X
					← parts per billion (µg/L) →					
S-7	03/20/91	328.67	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	06/26/91		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	09/05/91		---	---	<50	---	<0.5	0.6	<0.5	<0.5
	12/13/91		---	---	<50	---	<0.6	<0.5	<0.5	<0.5
	03/11/92		---	---	<50	---	<0.3	<0.3	<0.3	<0.3
	06/15/92		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	09/17/92		---	---	<50	---	0.6	0.6	<0.5	<0.5
	12/11/92		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	02/04/93		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	06/03/93		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	09/15/93		---	---	---	---	---	---	---	---
	12/09/93		---	---	---	---	---	---	---	---
	09/13/94		16.83	311.84	---	---	---	---	---	---
	06/21/95		15.88	312.79	<50	---	<0.5	<0.5	<0.5	<0.5
S-8 (Annually, Second Quarter)	03/20/91	327.00	---	---	<50[a]	---	0.8	1.8	2.6	5.2
	06/26/91		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	09/05/91		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	12/13/91		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	03/11/92		---	---	<30	---	<0.3	<0.3	<0.3	<0.3
	06/15/92		---	---	<50	---	1.4	1.9	<0.5	<0.5
	09/17/92		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	12/11/92		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	02/04/93		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	06/03/93		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	09/15/93		---	---	---	---	---	---	---	---
	12/09/93		---	---	---	---	---	---	---	---
	09/13/94		15.16	313.08	---	---	---	---	---	---

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC# 204-6138-0501, 3790 Hopyard Road, Pleasanton, California (continued)

Well ID and Sampling Frequency	Sampling Date	Top-of-Casing (ft/msl)	Depth to Water (ft)	Ground Water Elevation (ft/msl)	TPH-G	TPH-D	B	T	E	X
					← parts per billion (µg/L) →					
	06/21/95		**14.11**	**312.89**	**<50**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
S-9	03/20/91	328.24	---	---	70[a]	---	0.7	0.7	<0.5	1.0
(Annually,	06/26/91		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
Second Quarter)	09/05/91		---	---	<50	---	<0.5	0.8	<0.5	<0.5
	12/13/91		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	03/11/92		---	---	<30	---	<0.3	<0.3	<0.3	<0.3
	06/15/92		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	09/17/92		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	12/11/92		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	02/04/93		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	06/03/93		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	09/15/93		---	---	---	---	---	---	---	---
	12/09/93		16.89	311.35	<50	---	<0.5	<0.5	<0.5	<0.5
	03/04/94		17.22	311.02	<50	---	<0.5	<0.5	<0.5	<0.5
	06/16/94		17.46	310.78	<50	---	<0.5	<0.5	<0.5	<0.5
	09/13/94		17.59	310.65	<50	---	<0.5	<0.5	<0.5	<0.5
	06/21/95		**17.03**	**311.21**	**<50**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
S-10	03/20/91	326.55	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
(Annually,	06/26/91		---	---	50	---	1.8	5.8	1.9	13
Second Quarter)	09/05/91		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	12/13/91		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	03/11/92		---	---	<30	---	<0.3	<0.3	<0.3	<0.3
	06/15/92		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	09/17/92		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	12/11/92		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	02/04/93		---	---	<50	---	<0.5	<0.5	<0.5	<0.5
	06/03/93		---	---	<50	---	<0.5	<0.5	<0.5	<0.5

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC# 204-6138-0501, 3790 Hopyard Road, Pleasanton, California (continued)

Well ID and Sampling Frequency	Sampling Date	Top-of-Casing (ft/msl)	Depth to Water (ft)	Ground Water Elevation (ft/msl)	TPH-G	TPH-D	B	T	E	X
					← parts per billion (µg/L) →					
	09/15/93		---	---	---	---	---	---	---	---
	12/09/93		---	---	---	---	---	---	---	---
	09/13/94		13.84	312.71	---	---	---	---	---	---
	06/21/95		**13.08**	**313.47**	**---**	**---**	**---**	**---**	**---**	**---**
SR-1	03/04/94	329.78	16.34	313.44	---	---	---	---	---	---
	06/16/94		16.72	313.06	---	---	---	---	---	---
SR-2	03/04/94	328.35	14.39	313.96	---	---	---	---	---	---
	06/16/94		14.48	313.87	---	---	---	---	---	---
SR-3	03/04/94	329.11	14.66	314.45	---	---	---	---	---	---
	06/16/94		14.96	314.15	---	---	---	---	---	---
Trip Blank	06/16/94				<50	<50	<0.5	<0.5	<0.5	<0.5
	09/13/94				<50	---	<0.5	<0.5	<0.5	<0.5
	06/21/95				**<50**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
DTSC MCLs					NE	NE	1	100[c]	680	1,750

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC# 204-6138-0501, 3790 Hopyard Road, Pleasanton, California (continued)

Abbreviations:

TPH-G = Total petroleum hydrocarbons as gasoline by Modified EPA Method 8015
TPH-D = Total petroleum hydrocarbons as diesel by Modified EPA Method 8015
B = Benzene by EPA Method 8020
E = Ethylbenzene by EPA Method 8020
T = Toluene 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
--- = Not analyzed
<n = Not detected at detection limits of n ppb
dup = Duplicate sample

Notes:

a = Compounds detected within the chromatographic range of gasoline but not characteristic of the standard gasoline pattern
b = The result for gasoline is an unknown hydrocarbon which consists of a single peak
c = DTSC recommened action level; MCL not established

ATTACHMENT A

GROUND WATER MONITORING REPORT AND ANALYTIC REPORT

BLAINE
TECH SERVICES INC.

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

July 10, 1995

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

Attn: Daniel T. Kirk

SITE:
Shell WIC #204-6138-0501
3790 Hopyard Road
Pleasanton, California

QUARTER:
2nd quarter of 1995

QUARTERLY GROUNDWATER SAMPLING REPORT 950621-K-1

This report contains data collected during routine inspection, gauging and sampling of groundwater monitoring wells performed by Blaine Tech Services, Inc. in response to the request of the consultant who is overseeing work at this site on behalf of our mutual client, Shell Oil Company. Data collected in the course of our field work is presented in a TABLE OF WELL GAUGING DATA. The field information was collected during our preliminary gauging and inspection of the wells, the subsequent evacuation of each well prior to sampling, and at the time of sampling.

Measurements taken include the total depth of the well and the depth to water. The surface of water was further inspected for the presence of immiscibles which may be present as a thin film (a sheen on the surface of the water) or as a measurable free product zone (FPZ). At intervals during the evacuation phase, the purge water was monitored with instruments that measure electrical conductivity (EC), potential hydrogen (pH), temperature (degrees Fahrenheit), and turbidity (NTU). In the interest of simplicity, fundamental information is tabulated here, while the bulk of the information is turned over directly to the consultant who is making professional interpretations and evaluations of the conditions at the site.

STANDARD PROCEDURES

Evacuation

Groundwater wells are thoroughly purged before sampling to insure that the sample is collected from water that has been newly drawn into the well from the surrounding geologic formation. The selection of equipment to evacuate each well is based on the physical characteristics of the well and what is known about the performance of the formation in which the well has been installed. There are several suitable devices which can be used for evacuation. The most commonly employed devices are air or gas actuated pumps, electric submersible pumps, and hand or mechanically actuated bailers. Our personnel frequently employ USGS/Middleburg positive displacement pumps or similar air actuated pumps which do not agitate the water standing in the well.

Normal evacuation removes three case volumes of water from the well. More than three case volumes of water are removed in cases where more evacuation is needed to achieve stabilization of water parameters and when requested by the local implementing agency. Less water may be removed in cases where the well dewaters and does not recharge to 80% of its original volume within two hours and any additional time our personnel have reason to remain at the site. In such cases, our personnel return to the site within twenty four hours and collect sample material from the water which has recharged into the well case.

Decontamination

All apparatus is brought to the site in clean and serviceable condition. The equipment is decontaminated after each use and before leaving the site. Effluent water from purging and on-site equipment cleaning is collected and transported to Shell's Martinez Manufacturing Complex in Martinez, California.

Free Product Skimmer

The column headed, VOLUME OF IMMISCIBLES REMOVED (ml) is included in the TABLE OF WELL GAUGING DATA to cover situations where a free product skimming device must be removed from the well prior to gauging. Skimmers are installed in wells with a free product zone on the surface of the water. The skimmer is a free product recovery device which often prevents normal well gauging and free product zone measurements. The 2.0" and 3.0" PetroTraps fall into the category of devices that obstruct normal gauging. In cases where the consultant elects to have our personnel pull the skimmers out of the well and gauge the well, our personnel perform the additional task of draining the accumulated free product out of the PetroTrap before putting it back in the well. This

recovered free product is measured and logged in the VOLUME OF IMMISCIBLES REMOVED column. Gauging at such sites is performed in accordance with specific directions from the professional consulting firm overseeing work at the site on Shell's behalf.

Sample Containers

Sample material is collected in specially prepared containers which are provided by the laboratory that performs the analyses.

Sampling

Sample material is collected in stainless steel bailer type devices normally fitted with both a top and a bottom check valve. Water is promptly decanted into new sample containers in a manner which reduces the loss of volatile constituents and follows the applicable EPA standard for handling volatile organic and semi-volatile compounds.

Following collection, samples are promptly placed in an ice chest containing prefrozen blocks of an inert ice substitute such as Blue Ice or Super Ice. The samples are maintained in either an ice chest or a refrigerator until delivered into the custody of the laboratory.

Sample Designations

All sample containers are identified with a site designation and a discrete sample identification number specific to that particular groundwater well. Additional standard notations (e.g. time, date, sampler) are also made on the label.

Chain of Custody

Samples are continuously maintained in an appropriate cooled container while in our custody and until delivered to the laboratory under a standard Shell Oil Company chain of custody. If the samples are taken charge of by a different party (such as another person from our office, a courier, etc.) prior to being delivered to the laboratory, appropriate release and acceptance records are made on the chain of custody (time, date, and signature of the person releasing the samples followed by the time, date and signature of the person accepting custody of the samples).

Hazardous Materials Testing Laboratory

The samples obtained at this site were delivered to National Environmental Testing, Inc. in Santa Rosa, California. NET is a California Department of Health Services certified Hazardous Materials Testing Laboratory and is listed as DOHS HMTL #178.

Objective Information Collection

Blaine Tech Services, Inc. performs specialized environmental sampling and documentation as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. performs no consulting and does not become involved in the marketing or installation of remedial systems of any kind. Blaine Tech Services, Inc. is concerned only with the generation of objective information, not with the use of that information to support evaluations and recommendations concerning the environmental condition of the site. Even the straightforward interpretation of objective analytical data is better performed by interested regulatory agencies, and those engineers and geologists who are engaged in the work of providing professional opinions about the site and proposals to perform additional investigation or design remedial systems.

Reportage

Submission of this report and the attached laboratory report to interested regulatory agencies is handled by the consultant in charge of the project. Any professional evaluations or recommendations will be made by the consultant under separate cover.

Please call if we can be of any further assistance.

Richard C. Blaine

RCB/lp

attachments: table of well gauging data
chain of custody
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-2	6/21/95	TOB	--	NONE	--	--	14.25	34.61
S-3	6/21/95	TOB	--	NONE	--	--	12.49	34.45
S-4 *	6/21/95	TOB	ODOR	NONE	--	--	13.82	35.52
S-5	6/21/95	TOB	ODOR	NONE	--	--	14.50	35.46
S-6	6/21/95	TOB	--	NONE	--	--	13.86	34.23
S-7	6/21/95	TOB	--	NONE	--	--	15.88	34.47
S-8	6/21/95	TOB	ODOR	NONE	--	--	14.11	34.03
S-9	6/21/95	TOB	--	NONE	--	--	17.03	34.26
S-10	6/21/95	TOB	ODOR	NONE	--	--	13.08	33.80

* Sample DUP was a duplicate sample taken from well S-4.

#7296

SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD
Serial No: 950621-KL

Date: 6/21/95
Page 1 of 2

Site Address: 3790 Hopyard Rd., Pleasanton

WIC#: 204-6138-0501

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:

Sampled by: KCB

Printed Name: Keith Brown

LAB: Nct

CHECK ONE (1) BOX ONLY		CT/DT
Quarterly Monitoring	[X]	5461
Site Investigation	[ ]	5441
Soil Classify/Disposal	[ ]	5442
Water Classify/Disposal	[ ]	5443
Soil/Air Rem. or Sys. O & M	[ ]	5452
Water Rem. or Sys. O & M	[ ]	5453
Other	[ ]	

TURN AROUND TIME
- 24 hours [ ]
- 48 hours [ ]
- 16 days [X] (Normal)
- Other [ ] ______

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

Analysis Required

	Sample ID	Date	Sludge	Soil	Water	Air	No. of conts.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020			Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
X	S-2	6/21			W		3						X								
	S-3	↓			↓		↓						X								
X	S-4												X								
X	S-5												X								
X	S-6												X								
X	S-7												X								(6/22/95 GB)
X	S-8												X								Seal Intact
X	S-9												X								

Relinquished By (signature):	Printed Name:	Date/Time	Received (signature):	Printed Name:	Date/Time
[signature]	Keith C. Brown	Date: 6/22 Time: 11:00	[signature]	G Plumbee	Date: 6/22 Time: 11:00
[signature]	G Plumbee	Date: 6/22 Time: 16:00	Received (signature):	Printed Name:	Date: Time:
Relinquished By (signature):	Printed Name:	Date: Time:	[signature]	Phil Prosser	Date: 6/23/95 Time: 0800

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

#1246

SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD

Serial No: 950621-K1

Date: 6/21/95

Page 2 of 2

Site Address: 3790 Hopyard Rd., Pleasanton

WIC#: 204-6138-0501

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:

Sampled by: KCB

Printed Name: Keith C. Brown

Analysis Required

LAB: Nat

CHECK ONE (1) BOX ONLY	CT/DT
Quarterly Monitoring [X]	5441
Site Investigation [ ]	5441
Soil Classify/Disposal [ ]	5442
Water Classify/Disposal [ ]	5443
Soil/Air Rem. or Sys. O & M [ ]	5462
Water Rem. or Sys. O & M [ ]	5463
Other [ ]	

TURN AROUND TIME: 24 hours [ ] 48 hours [ ] 16 days [X] (Normal) Other [ ]

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

Sample ID	Date	Sludge	Soil	Water	Air	No. of conts.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020			Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
DUP	6/21			W		3						X								
EB	↓			↓		2						X								
TB	↓			↓		2						X								
S-10	6/21			↓		3						X								

(6/22/95 Seals Intact)

Relinquished By (signature):	Printed Name:	Date/Time	Received (signature):	Printed Name:	Date/Time
[signature]	Keith Brown	Date: 6/22 Time: 11:10	[signature]	G Plumbre	Date: 6/22 Time: 11:10
[signature]	G Plumbre	Date: 6/22 Time: 6:30	Received (signature):	Printed Name:	Date: Time:
Relinquished By (signature):	Printed Name:	Date: Time:	[signature]	Phil Prosser	Date: 6/23/95 Time: 0800

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

NATIONAL ENVIRONMENTAL TESTING, INC.

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

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

Date: 06/30/1995
NET Client Acct. No: 1821
NET Job No: 95.02469
Received: 06/23/1995

Client Reference Information

Shell 3790 Hopyard Rd., Pleasanton, CA./950621-K1

Sample analysis in support of the project referenced above has been completed and results are presented on 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 welcome to contact Client Services.

Approved by:

Ken Larson
Division Manager

Jennifer L. Roseberry
Project Manager

Enclosure(s)

Ref: Shell 3790 Hopyard Rd., Pleasanton, CA./950621-K1

SAMPLE DESCRIPTION: S-2
Date Taken: 06/21/1995
Time Taken:
NET Sample No: 244585

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						06/28/1995	2963
Purgeable TPH	ND		50	ug/L	5030/M8015		06/28/1995	2963
Carbon Range: C6 to C12	--						06/28/1995	2963
METHOD 8020 (GC, Liquid)	--						06/28/1995	2963
Benzene	ND		0.5	ug/L	8020		06/28/1995	2963
Toluene	ND		0.5	ug/L	8020		06/28/1995	2963
Ethylbenzene	ND		0.5	ug/L	8020		06/28/1995	2963
Xylenes (Total)	ND		0.5	ug/L	8020		06/28/1995	2963
SURROGATE RESULTS	--				8020		06/28/1995	2963
Bromofluorobenzene (SURR)	95			% Rec.	8020		06/28/1995	2963

Ref: Shell 3790 Hopyard Rd., Pleasanton, CA./950621-K1

SAMPLE DESCRIPTION: S-3
Date Taken: 06/21/1995
Time Taken:
NET Sample No: 244586

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						06/28/1995	2963
Purgeable TPH	50		50	ug/L	5030/M8015		06/28/1995	2963
Carbon Range: C6 to C12	--						06/28/1995	2963
METHOD 8020 (GC, Liquid)	--						06/28/1995	2963
Benzene	4.1		0.5	ug/L	8020		06/28/1995	2963
Toluene	ND		0.5	ug/L	8020		06/28/1995	2963
Ethylbenzene	2.0		0.5	ug/L	8020		06/28/1995	2963
Xylenes (Total)	1.2		0.5	ug/L	8020		06/28/1995	2963
SURROGATE RESULTS	--						06/28/1995	2963
Bromofluorobenzene (SURR)	95			% Rec.	8020		06/28/1995	2963

Ref: Shell 3790 Hopyard Rd., Pleasanton, CA./950621-K1

SAMPLE DESCRIPTION: S-4
Date Taken: 06/21/1995
Time Taken:
NET Sample No: 244587

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						06/28/1995	2963
Purgeable TPH	270		50	ug/L	5030/M8015		06/28/1995	2963
Carbon Range: C6 to C12	--						06/28/1995	2963
METHOD 8020 (GC, Liquid)	--						06/28/1995	2963
Benzene	34		0.5	ug/L	8020		06/28/1995	2963
Toluene	1.4		0.5	ug/L	8020		06/28/1995	2963
Ethylbenzene	25		0.5	ug/L	8020		06/28/1995	2963
Xylenes (Total)	7.6		0.5	ug/L	8020		06/28/1995	2963
SURROGATE RESULTS	--						06/28/1995	2963
Bromofluorobenzene (SURR)	128	MI		% Rec.	8020		06/28/1995	2963

MI : Matrix Interference Suspected.

Ref: Shell 3790 Hopyard Rd., Pleasanton, CA./950621-K1

SAMPLE DESCRIPTION: S-5
Date Taken: 06/21/1995
Time Taken:
NET Sample No: 244588

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						06/28/1995	2963
Purgeable TPH	ND		50	ug/L	5030/M8015		06/28/1995	2963
Carbon Range: C6 to C12	--						06/28/1995	2963
METHOD 8020 (GC, Liquid)	--						06/28/1995	2963
Benzene	ND		0.5	ug/L	8020		06/28/1995	2963
Toluene	ND		0.5	ug/L	8020		06/28/1995	2963
Ethylbenzene	ND		0.5	ug/L	8020		06/28/1995	2963
Xylenes (Total)	ND		0.5	ug/L	8020		06/28/1995	2963
SURROGATE RESULTS	--						06/28/1995	2963
Bromofluorobenzene (SURR)	94			% Rec.	8020		06/28/1995	2963

Ref: Shell 3790 Hopyard Rd., Pleasanton, CA./950621-K1

SAMPLE DESCRIPTION: S-6
Date Taken: 06/21/1995
Time Taken:
NET Sample No: 244589

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						06/28/1995	2963
Purgeable TPH	270		50	ug/L	5030/M8015		06/28/1995	2963
Carbon Range: C6 to C12	--						06/28/1995	2963
METHOD 8020 (GC, Liquid)	--						06/28/1995	2963
Benzene	ND		0.5	ug/L	8020		06/28/1995	2963
Toluene	ND		0.5	ug/L	8020		06/28/1995	2963
Ethylbenzene	ND		0.5	ug/L	8020		06/28/1995	2963
Xylenes (Total)	ND		0.5	ug/L	8020		06/28/1995	2963
SURROGATE RESULTS	--						06/28/1995	2963
Bromofluorobenzene (SURR)	92			% Rec.	8020		06/28/1995	2963

Ref: Shell 3790 Hopyard Rd., Pleasanton, CA./950621-K1

SAMPLE DESCRIPTION: S-7
Date Taken: 06/21/1995
Time Taken:
NET Sample No: 244590

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						06/28/1995	2963
Purgeable TPH	ND		50	ug/L	5030/M8015		06/28/1995	2963
Carbon Range: C6 to C12	--						06/28/1995	2963
METHOD 8020 (GC, Liquid)	--						06/28/1995	2963
Benzene	ND		0.5	ug/L	8020		06/28/1995	2963
Toluene	ND		0.5	ug/L	8020		06/28/1995	2963
Ethylbenzene	ND		0.5	ug/L	8020		06/28/1995	2963
Xylenes (Total)	ND		0.5	ug/L	8020		06/28/1995	2963
SURROGATE RESULTS	--						06/28/1995	2963
Bromofluorobenzene (SURR)	92			% Rec.	8020		06/28/1995	2963

Ref: Shell 3790 Hopyard Rd., Pleasanton, CA./950621-K1

SAMPLE DESCRIPTION: S-8
Date Taken: 06/21/1995
Time Taken:
NET Sample No: 244591

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						06/28/1995	2963
Purgeable TPH	ND		50	ug/L	5030/M8015		06/28/1995	2963
Carbon Range: C6 to C12	--						06/28/1995	2963
METHOD 8020 (GC, Liquid)	--						06/28/1995	2963
Benzene	ND		0.5	ug/L	8020		06/28/1995	2963
Toluene	ND		0.5	ug/L	8020		06/28/1995	2963
Ethylbenzene	ND		0.5	ug/L	8020		06/28/1995	2963
Xylenes (Total)	ND		0.5	ug/L	8020		06/28/1995	2963
SURROGATE RESULTS	--						06/28/1995	2963
Bromofluorobenzene (SURR)	81			% Rec.	8020		06/28/1995	2963

Ref: Shell 3790 Hopyard Rd., Pleasanton, CA./950621-K1

SAMPLE DESCRIPTION: S-9
Date Taken: 06/21/1995
Time Taken:
NET Sample No: 244592

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						06/28/1995	2963
Purgeable TPH	ND		50	ug/L	5030/M8015		06/28/1995	2963
Carbon Range: C6 to C12	--						06/28/1995	2963
METHOD 8020 (GC, Liquid)	--						06/28/1995	2963
Benzene	ND		0.5	ug/L	8020		06/28/1995	2963
Toluene	ND		0.5	ug/L	8020		06/28/1995	2963
Ethylbenzene	ND		0.5	ug/L	8020		06/28/1995	2963
Xylenes (Total)	ND		0.5	ug/L	8020		06/28/1995	2963
SURROGATE RESULTS	--						06/28/1995	2963
Bromofluorobenzene (SURR)	88			% Rec.	8020		06/28/1995	2963

Ref: Shell 3790 Hopyard Rd., Pleasanton, CA./950621-K1

SAMPLE DESCRIPTION: DUP
Date Taken: 06/21/1995
Time Taken:
NET Sample No: 244593

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						06/29/1995	2965
Purgeable TPH	280		50	ug/L	5030/M8015		06/29/1995	2965
Carbon Range: C6 to C12	--						06/29/1995	2965
METHOD 8020 (GC, Liquid)	--						06/29/1995	2965
Benzene	35		0.5	ug/L	8020		06/29/1995	2965
Toluene	2.1		0.5	ug/L	8020		06/29/1995	2965
Ethylbenzene	26		0.5	ug/L	8020		06/29/1995	2965
Xylenes (Total)	8.4		0.5	ug/L	8020		06/29/1995	2965
SURROGATE RESULTS	--						06/29/1995	2965
Bromofluorobenzene (SURR)	127	MI		% Rec.	8020		06/29/1995	2965

MI : Matrix Interference Suspected.

Ref: Shell 3790 Hopyard Rd., Pleasanton, CA./950621-K1

SAMPLE DESCRIPTION: EB
Date Taken: 06/21/1995
Time Taken:
NET Sample No: 244594

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						06/28/1995	2963
Purgeable TPH	ND		50	ug/L	5030/M8015		06/28/1995	2963
Carbon Range: C6 to C12	--						06/28/1995	2963
METHOD 8020 (GC, Liquid)	--						06/28/1995	2963
Benzene	ND		0.5	ug/L	8020		06/28/1995	2963
Toluene	ND		0.5	ug/L	8020		06/28/1995	2963
Ethylbenzene	ND		0.5	ug/L	8020		06/28/1995	2963
Xylenes (Total)	ND		0.5	ug/L	8020		06/28/1995	2963
SURROGATE RESULTS	--						06/28/1995	2963
Bromofluorobenzene (SURR)	95			% Rec.	8020		06/28/1995	2963

Ref: Shell 3790 Hopyard Rd., Pleasanton, CA./950621-K1

SAMPLE DESCRIPTION: TB
Date Taken: 06/21/1995
Time Taken:
NET Sample No: 244595

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						06/28/1995	2963
Purgeable TPH	ND		50	ug/L	5030/M8015		06/28/1995	2963
Carbon Range: C6 to C12	--						06/28/1995	2963
METHOD 8020 (GC, Liquid)	--						06/28/1995	2963
Benzene	ND		0.5	ug/L	8020		06/28/1995	2963
Toluene	ND		0.5	ug/L	8020		06/28/1995	2963
Ethylbenzene	ND		0.5	ug/L	8020		06/28/1995	2963
Xylenes (Total)	ND		0.5	ug/L	8020		06/28/1995	2963
SURROGATE RESULTS	--						06/28/1995	2963
Bromofluorobenzene (SURR)	89			% Rec.	8020		06/28/1995	2963

Ref: Shell 3790 Hopyard Rd., Pleasanton, CA./950621-K1

SAMPLE DESCRIPTION: S-10
Date Taken: 06/21/1995
Time Taken:
NET Sample No: 244596

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						06/29/1995	2965
Purgeable TPH	ND		50	ug/L	5030/M8015		06/29/1995	2965
Carbon Range: C6 to C12	--						06/29/1995	2965
METHOD 8020 (GC, Liquid)	--						06/29/1995	2965
Benzene	ND		0.5	ug/L	8020		06/29/1995	2965
Toluene	ND		0.5	ug/L	8020		06/29/1995	2965
Ethylbenzene	ND		0.5	ug/L	8020		06/29/1995	2965
Xylenes (Total)	ND		0.5	ug/L	8020		06/29/1995	2965
SURROGATE RESULTS	--						06/29/1995	2965
Bromofluorobenzene (SURR)	84			% Rec.	8020		06/29/1995	2965

Ref: Shell 3790 Hopyard Rd., Pleasanton, CA./950621-K1

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV Standard % Recovery	CCV Standard Amount Found	CCV Standard Amount Expected	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 5030/8015-M (Shell)							
Purgeable TPH	104.0	0.52	0.50	mg/L	06/28/1995	aal	2963
Benzene	90.8	4.54	5.00	ug/L	06/28/1995	aal	2963
Toluene	94.0	4.70	5.00	ug/L	06/28/1995	aal	2963
Ethylbenzene	101.4	5.07	5.00	ug/L	06/28/1995	aal	2963
Xylenes (Total)	103.3	15.5	15.0	ug/L	06/28/1995	aal	2963
Bromofluorobenzene (SURR)	98.0	98	100	% Rec.	06/28/1995	aal	2963
METHOD 5030/8015-M (Shell)							
Purgeable TPH	92.0	0.46	0.50	mg/L	06/29/1995	lss	2965
Benzene	91.6	4.58	5.00	ug/L	06/29/1995	lss	2965
Toluene	88.8	4.44	5.00	ug/L	06/29/1995	lss	2965
Ethylbenzene	99.6	4.98	5.00	ug/L	06/29/1995	lss	2965
Xylenes (Total)	101.3	15.2	15.0	ug/L	06/29/1995	lss	2965
Bromofluorobenzene (SURR)	115.0	115	100	% Rec.	06/29/1995	lss	2965

Ref: Shell 3790 Hopyard Rd., Pleasanton, CA./950621-K1

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	06/28/1995	aal	2963
Benzene	ND	0.5	ug/L	06/28/1995	aal	2963
Toluene	ND	0.5	ug/L	06/28/1995	aal	2963
Ethylbenzene	ND	0.5	ug/L	06/28/1995	aal	2963
Xylenes (Total)	ND	0.5	ug/L	06/28/1995	aal	2963
Bromofluorobenzene (SURR)	103		% Rec.	06/28/1995	aal	2963
METHOD 5030/8015-M (Shell)						
Purgeable TPH	ND	0.05	mg/L	06/29/1995	lss	2965
Benzene	ND	0.5	ug/L	06/29/1995	lss	2965
Toluene	ND	0.5	ug/L	06/29/1995	lss	2965
Ethylbenzene	ND	0.5	ug/L	06/29/1995	lss	2965
Xylenes (Total)	ND	0.5	ug/L	06/29/1995	lss	2965
Bromofluorobenzene (SURR)	92		% Rec.	06/29/1995	lss	2965

Ref: Shell 3790 Hopyard Rd., Pleasanton, CA./950621-K1

MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike % Rec.	Matrix Spike Dup % Rec.	RPD	Spike Amount	Sample Conc.	Matrix Spike Conc.	Matrix Spike Dup. Conc.	Units	Date Analyzed	Run Batch	Sample Spiked
METHOD 5030/8015-M (Shell)											244585
Purgeable TPH	104.0	98.0	5.8	0.50	ND	0.52	0.49	mg/L	06/28/1995	2963	244585
Benzene	97.2	91.6	5.9	10.7	ND	10.4	9.8	ug/L	06/28/1995	2963	244585
Toluene	98.3	95.7	2.7	35.1	ND	34.5	33.6	ug/L	06/28/1995	2963	244585
METHOD 5030/8015-M (Shell)											244656
Purgeable TPH	102.0	100.0	2.0	0.50	ND	0.51	0.50	mg/L	06/29/1995	2965	244656
Benzene	104.4	97.4	6.8	9.96	ND	10.4	9.70	ug/L	06/29/1995	2965	244656
Toluene	107.1	103.4	3.5	32.5	ND	34.8	33.6	ug/L	06/29/1995	2965	244656

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 [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.