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June 13, 1995

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PLEASANTON FIRE DEPARTMENT

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 #204-6138-0907
5251 Hopyard Road
Pleasanton, California
WA Job #81-0796-204

Dear Mr. Graves:

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

Second Quarter 1995 Activities:

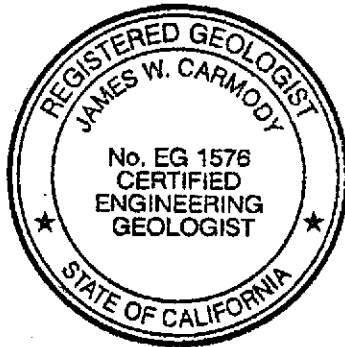
- Blaine Tech Services, Inc. (BTS) of San Jose, California measured ground water depths and collected ground water samples from the site wells (Figures 1 and 2). BTS' report describing these activities and the analytical report for the ground water samples are included as Attachment A.
- Weiss Associates (WA) calculated ground water elevations and compiled the analytic data (Table 1 and Attachment B) and prepared a ground water elevation contour and benzene concentrations in ground water map (Figure 2).
- WA recommended sampling frequency modifications for the site's ground water monitoring wells in our second quarter 1994 status report. Because hydrocarbons in the subsurface are fully assessed as indicated by the past seven years of ground water analytic data, and because the low permeability of the site's soils appears to be sufficiently impeding hydrocarbon migration, we are currently sampling and gauging all site wells annually.

Anticipated Third Quarter 1995 Activities:

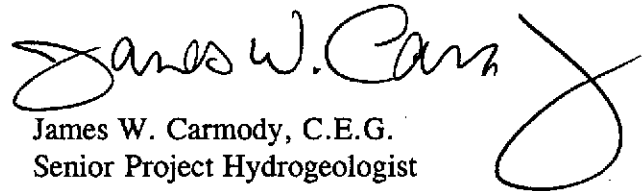
- WA will submit a report presenting a summary of recent and proposed site activities.

Please call if you have any questions.

Sincerely,
Weiss Associates



Grady Glasser
Technical Assistant



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

Attachments: A - Blaine Tech's Ground Water Monitoring Report

cc: Dan Kirk, Shell Oil Company, P.O. Box 4023, Concord, California 94524
Ted Klenk, Pleasanton Fire Department, 4444 Railroad Street, Pleasanton, California 94566

GSG/JWC:all
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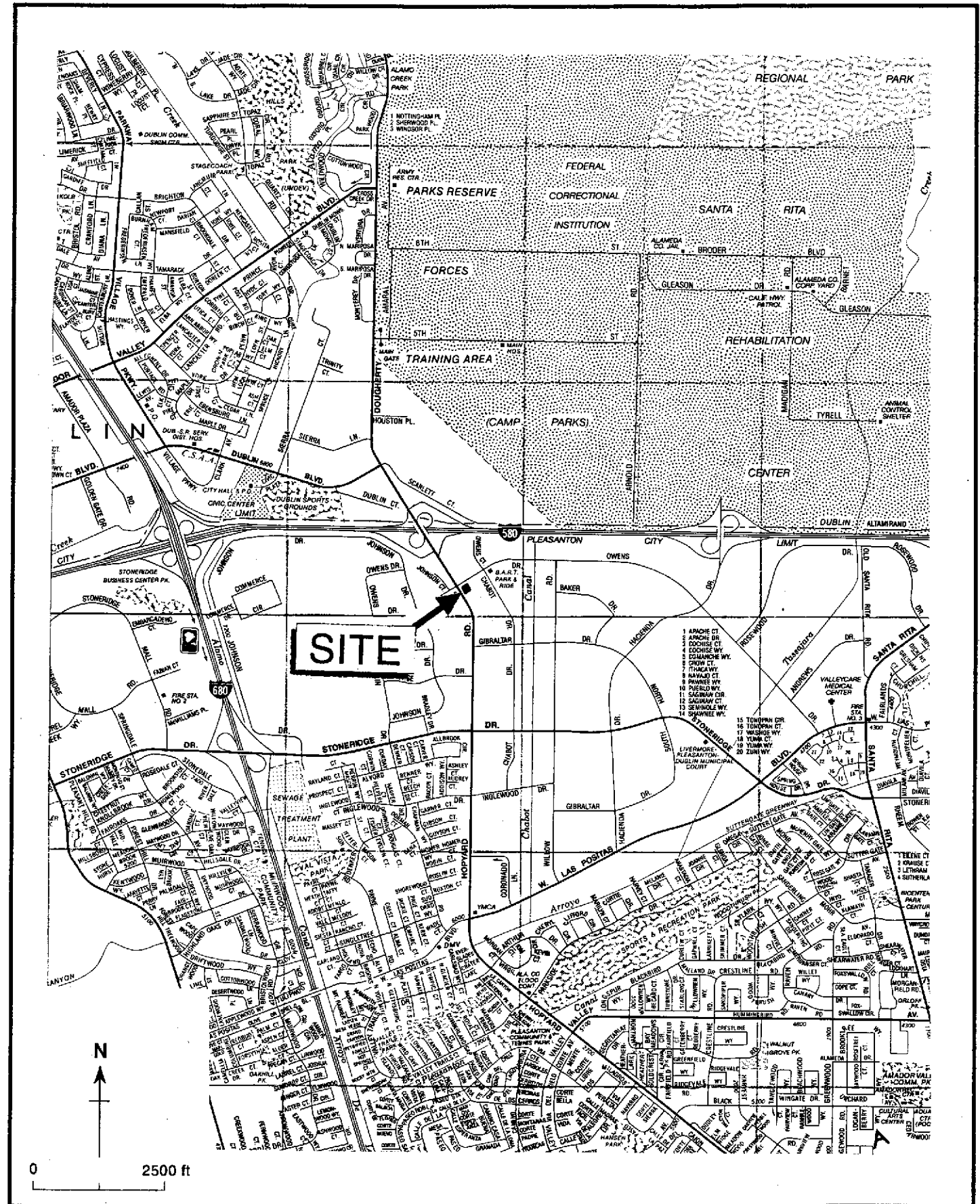


Figure 1. Site Location Map - Shell Service Station WIC# 204-6138-0907, 5251 Hopyard Road, Pleasanton, California

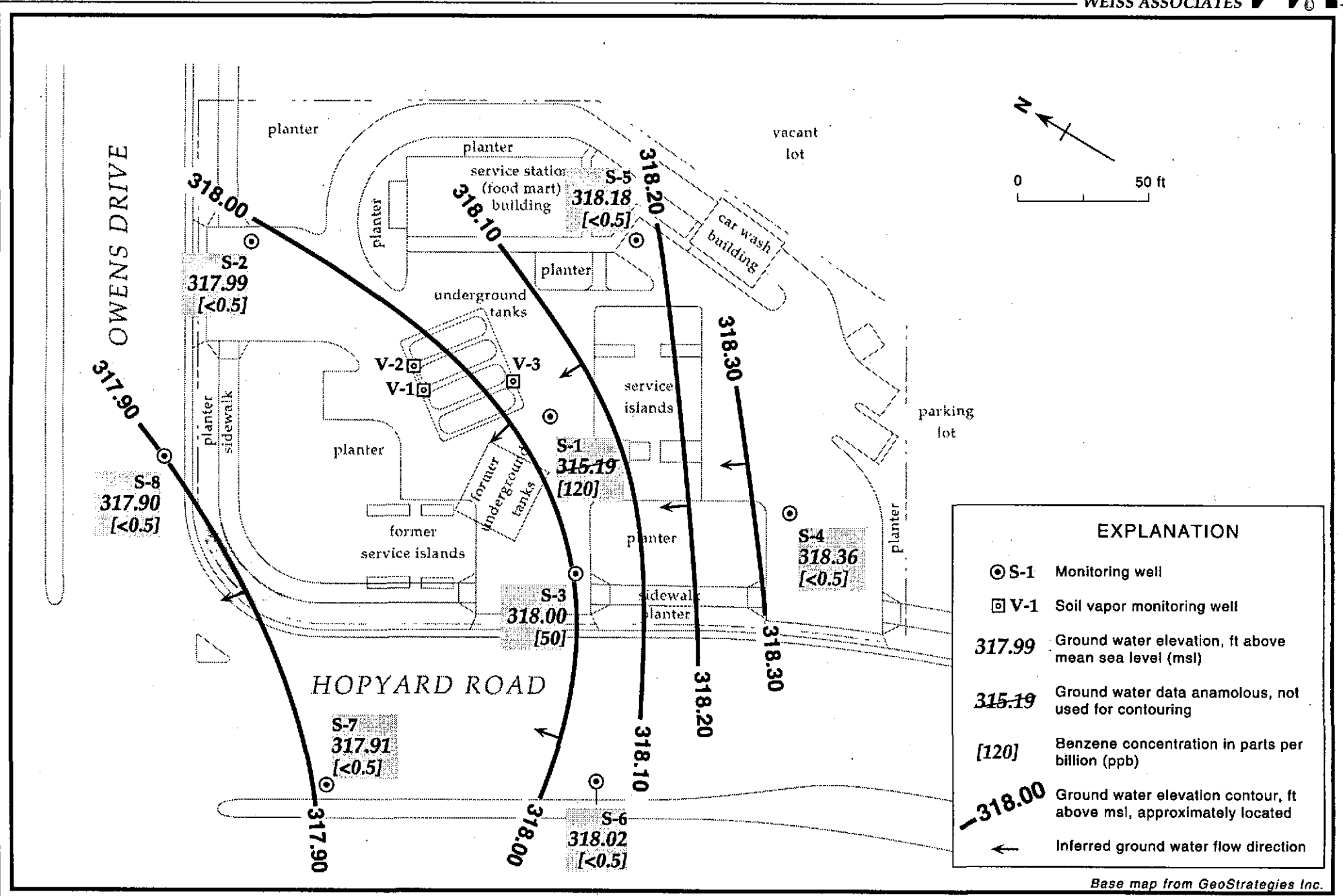


Figure 2. Monitoring Well Locations, Ground Water Elevation Contours, and Benzene Concentrations in Ground Water - May 3, 1995 - Shell Service Station WIC# 204-6138-0907,5251 Hopyard Road, Pleasanton, California

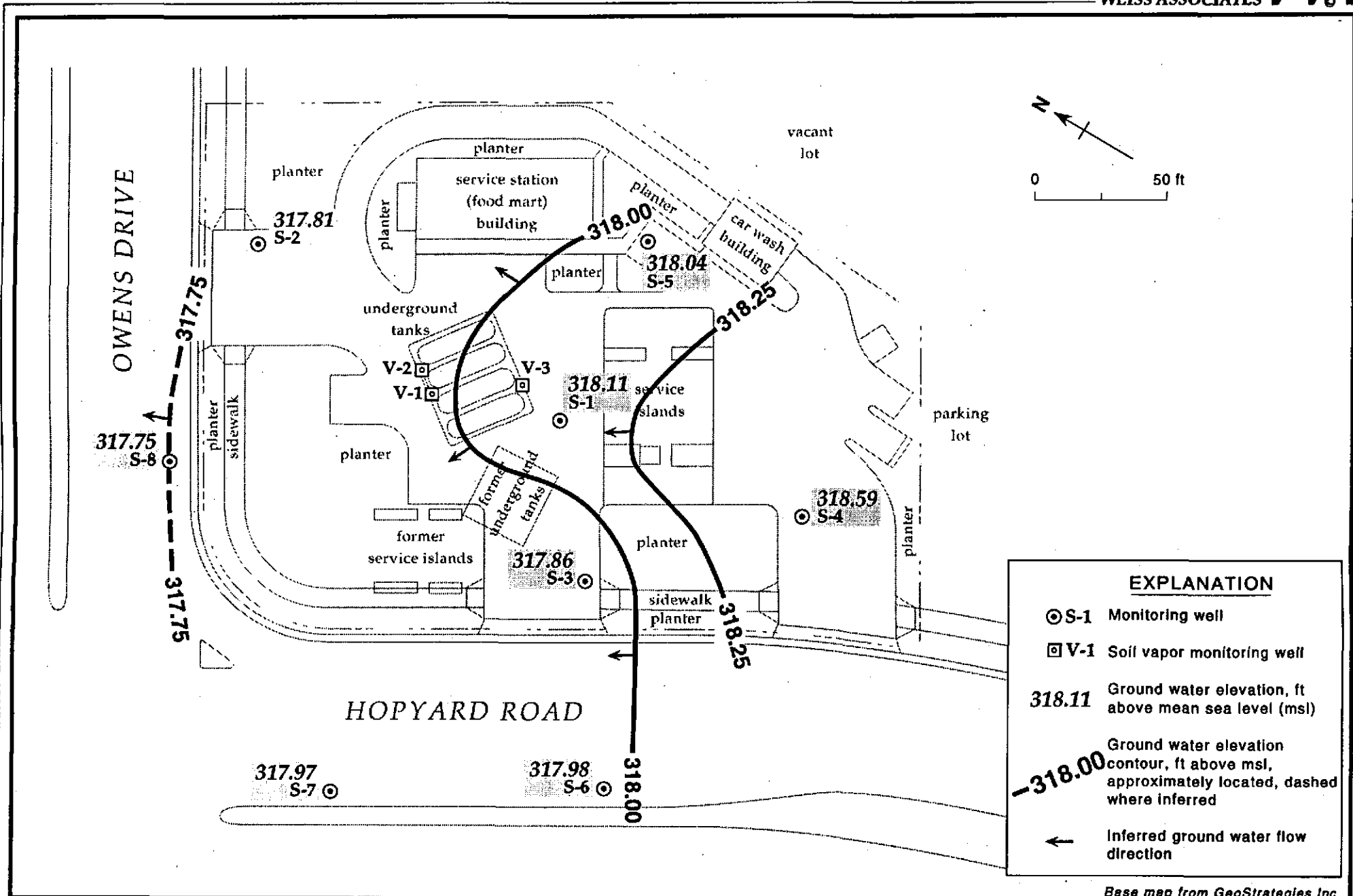
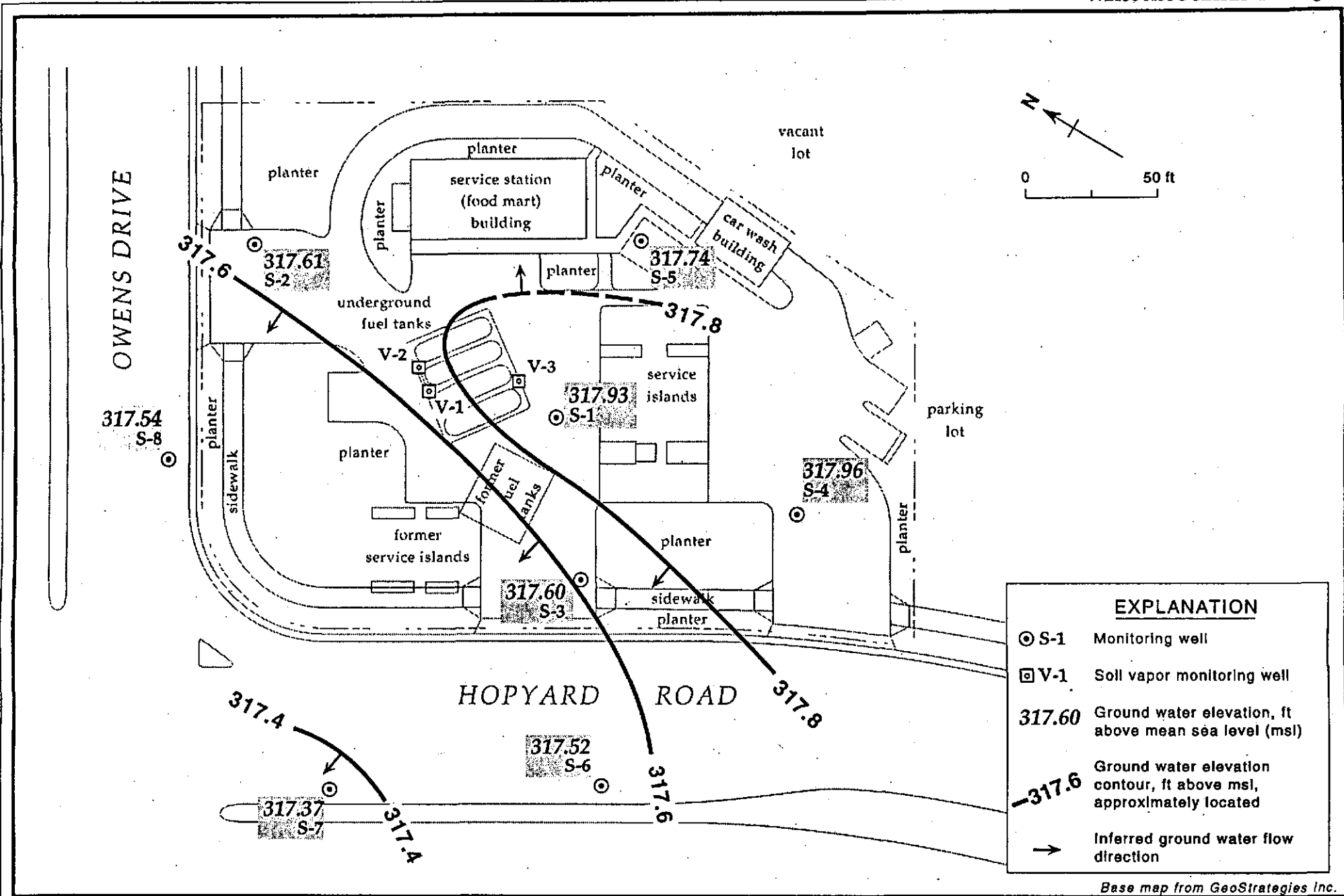


Figure 2. Monitoring Well Locations and Ground Water Elevation Contours - September 13, 1994 - Shell Service Station WIC# 204-6138-0907, 5251 Hopyard Road, Pleasanton, California



EXPLANATION	
⊙ S-1	Monitoring well
⊠ V-1	Soil vapor monitoring well
317.60	Ground water elevation, ft above mean sea level (msl)
-317.6	Ground water elevation contour, ft above msl, approximately located
→	Inferred ground water flow direction

Base map from GeoStrategies Inc.

Figure 2. Monitoring Well Locations and Ground Water Elevation Contours - June 16, 1994 - Shell Service Station WIC# 204-6138-0907, 5251 Hopyard Road, Pleasanton, California

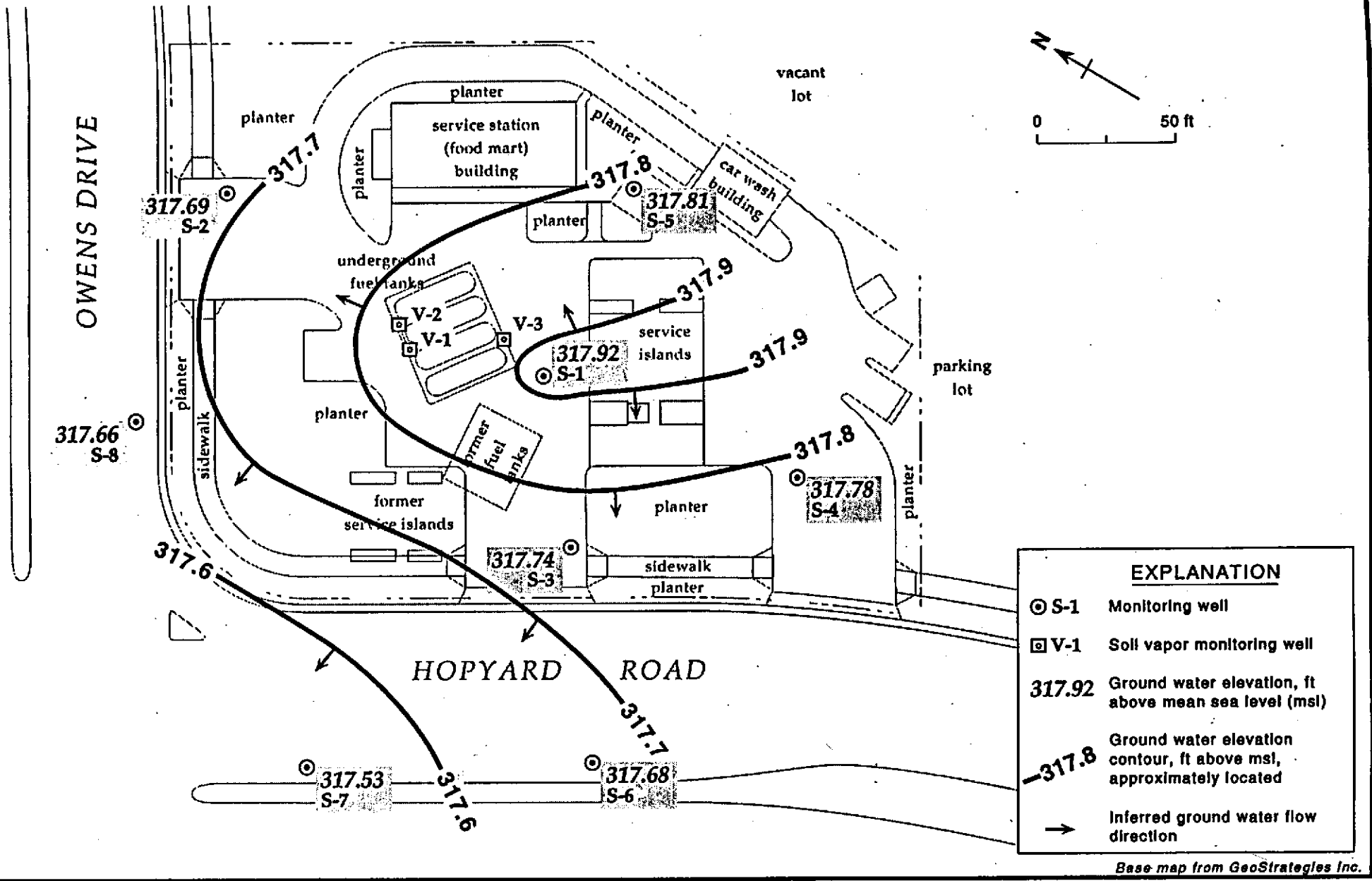
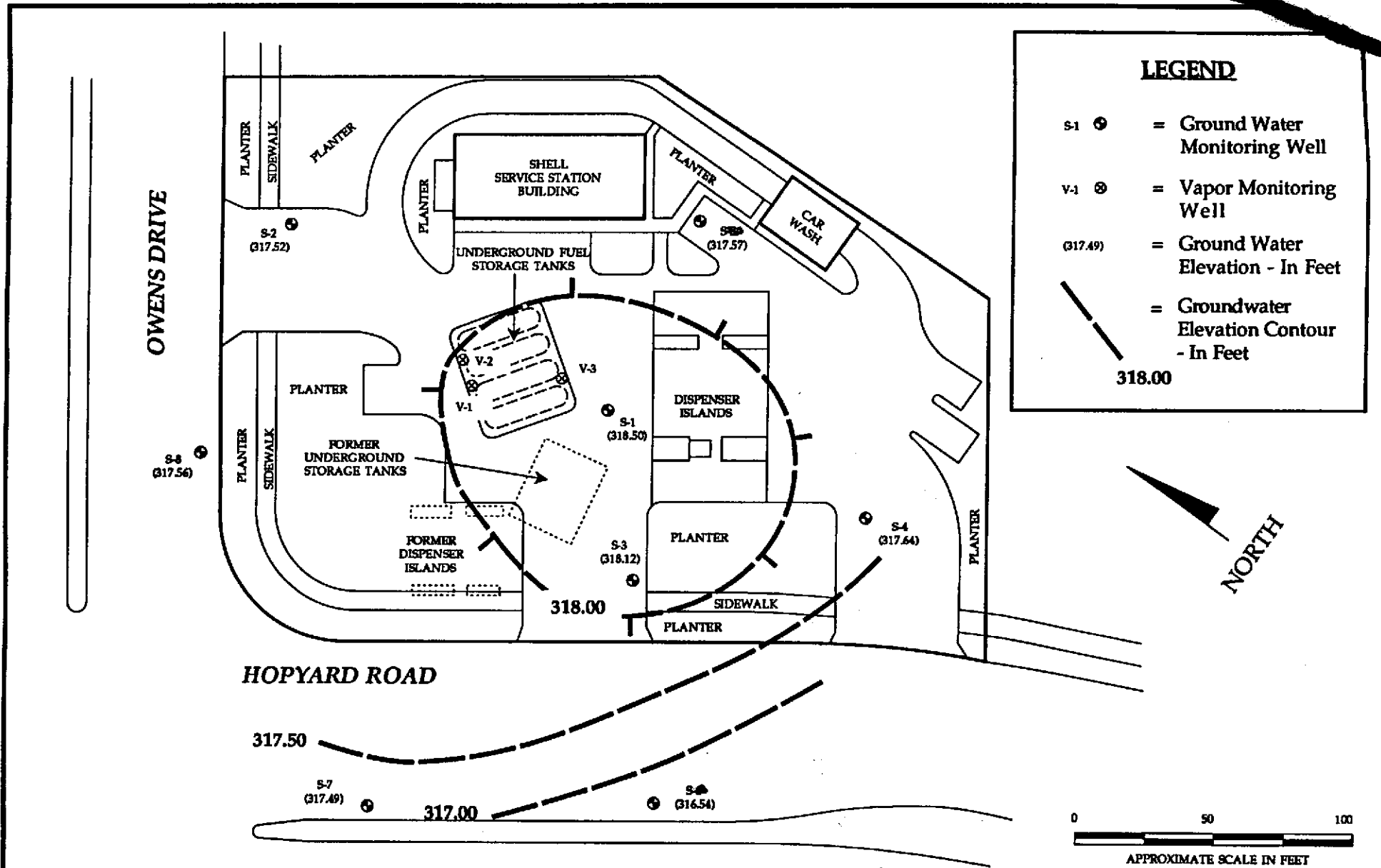


Figure 2. Monitoring Well Locations and Ground Water Elevation Contours - March 4, 1994 - Shell Service Station WIC# 204-6138-0907, 5251 Hopyard Road, Pleasanton, California



BASED ON SITE PLAN/POTENTIOMETRIC MAP BY GEOSTRATEGIES INC. DATED 3/93, AND DATA COLLECTED 12/8/93.

**HYDR -
ENVIRONMENTAL
TECHNOLOGIES, INC.**

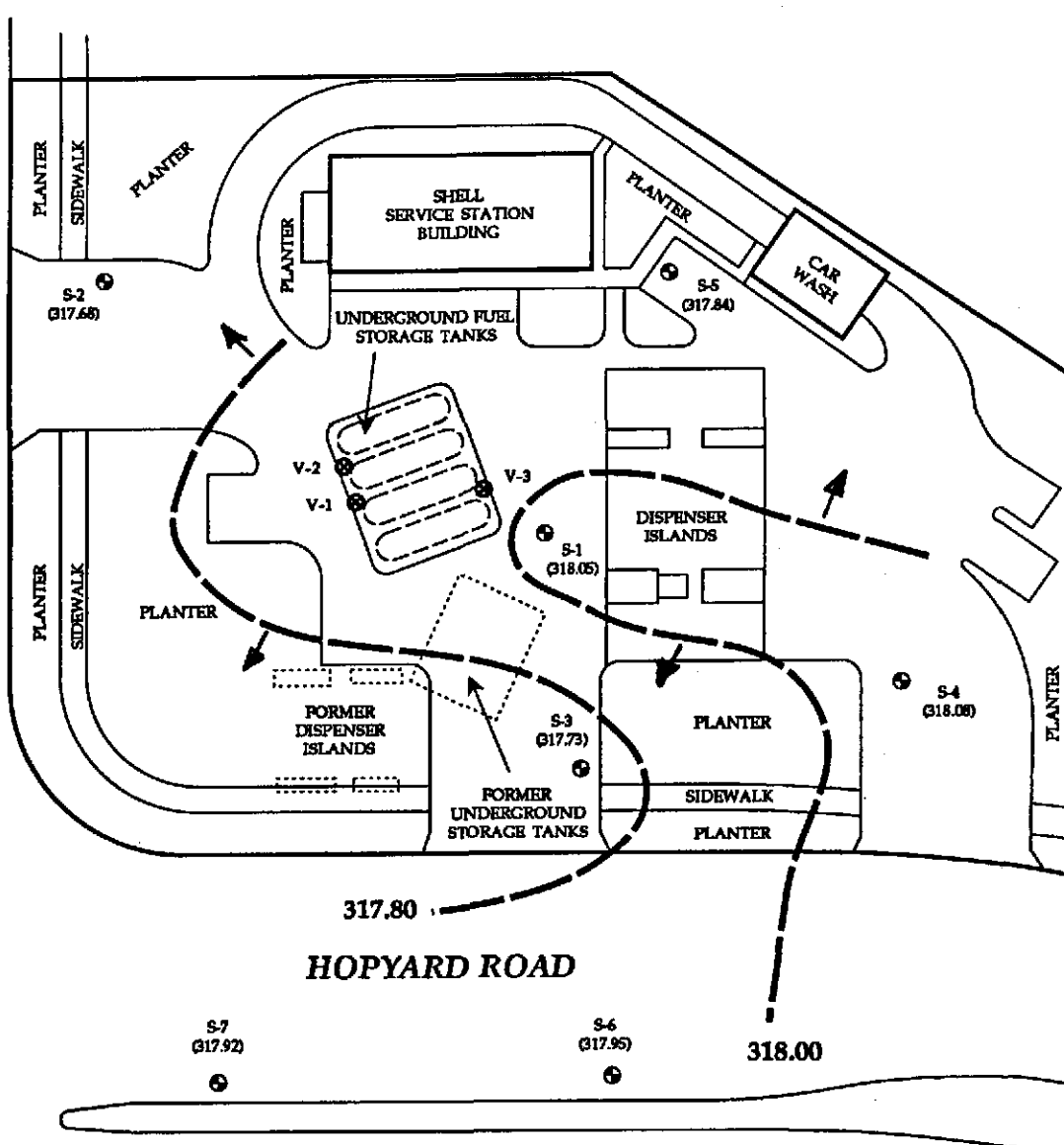
SITE PLAN/GROUND WATER CONTOUR MAP

Shell Service Station
5251 Hopyard Road
Pleasanton, California
WIC # 204-6138-0907

Figure
2

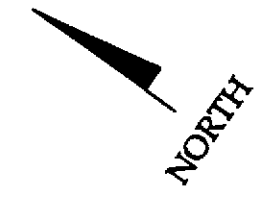
12-008 1/94

OWENS DRIVE



LEGEND

- S-1 ⊕ = Ground Water Monitoring Well
- V-1 ⊕ = Vapor Monitoring Well
- (317.68) = Ground Water Elevation - In Feet
- = Groundwater Elevation Contour - In Feet



BASED ON SITE PLAN/POTENTIOMETRIC MAP BY GEOSTRATBGIES INC. DATED 3/93, AND DATA COLLECTED 9/22/93.

**HYDR -
ENVIRONMENTAL
TECHNOLOGIES, INC.**

SITE PLAN/GROUND WATER ELEVATION MAP

Shell Service Station
5251 Hopyard Road
Pleasanton, California
WIC # 204-6138-0907

Figure
2

12-008 10/93

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC #204-6138-0907, 5251 Hopyard Road, Pleasanton, California

Well ID and Sampling Frequency	Sampling Date	Top-of- Box (ft msl)	Depth to Water (ft)	Ground Water Elevation (ft msl)	TPH-G	TPH-D	parts per billion (µg/L)			
							B	T	E	X
S-1 (Annually)	01/25/91	326.73	---	---	2,500	1,500	460	<25	130	36
	04/06/91		---	---	6,700	2,600 ^a	2,600	14	580	250
	07/24/91		---	---	8,800	3,800 ^a	2,300	30	640	220
	10/18/91		8.85	317.88	12,000	3,300 ^a	3,600	380	990	580
	01/23/92		---	---	1,600	890	450	3.0	120	17
	04/27/92		---	---	1,100 ^b	500 ^a	610	<10	110	10
	07/21/92		---	---	5,100	290 ^c	1,900	54	460	140
	10/16/92		---	---	13,000	390 ^c	3,200	310	780	360
	01/23/93		7.96	318.77	2,300	30 ^d	640	<5	110	13
	04/28/93		9.07	317.66	4,600	390	780	<0.5	250	<0.5
	09/22/93		8.68	318.05	3,000	610 ^a	660	28	160	17
	12/08/93		8.23	318.50	520	280	210	<2.5	49	<2.5
	03/04/94		8.81	317.92	640	---	190	1.4	18	1.3
	03/04/94 ^{dup}		8.81	317.92	640	---	180	1.7	17	1.3
	06/16/94		8.80	317.93	2,500	---	390	9.5	31	7.5
	06/16/94 ^{dup}		8.80	317.93	2,000	---	410	7.8	120	20
	09/13/94		8.62	318.11	1,400	---	310	7.7	29	8.5
	09/13/94 ^{dup}		8.62	318.11	1,400	---	240	7.9	44	6.3
	05/05/95		11.54	315.19	800	---	120	3.6	26	2.7
05/05/95 ^{dup}	11.54	315.19	710	---	110	3.4	19	2.7		
S-2	01/25/91	326.59	---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	04/16/91		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	07/24/91		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/18/91		8.83	317.76	<50	<50	<0.5	<0.5	<0.5	<0.5
	01/23/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	04/27/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	07/17/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/16/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC #204-6138-0907, 5251 Hopyard Road, Pleasanton, California (continued)

Well ID and Sampling Frequency	Sampling Date	Top-of- Box (ft msl)	Depth to Water (ft)	Ground Water Elevation (ft msl)	TPH-G	TPH-D	parts per billion (µg/L)			
							B	T	E	X
	01/23/93		8.10	318.49	<50	140 ^b	<0.5	<0.5	<0.5	<0.5
	04/28/93		9.06	317.53	<50	<50	<0.5	<0.5	<0.5	<0.5
	09/22/93		8.91	317.68	---	---	---	---	---	---
	12/08/93		9.07	317.52	---	---	---	---	---	---
	03/04/94		8.90	317.69	---	---	---	---	---	---
	06/16/94		8.98	317.61	---	---	---	---	---	---
	09/13/94		8.78	317.81	<50	--	<0.5	2.5	<0.5	<0.5
	05/05/95		8.60	317.99	<50	---	<0.5	<0.5	<0.5	<0.5
S-3	01/25/91	327.38	---	---	870	330	230	<2.5	130	<2.5
	04/16/91		---	---	190	140 ^a	12	0.8	6.2	1.5
	07/24/91		---	---	1,700	1,200 ^a	450	4.4	150	2.9
	10/18/91		9.64	317.74	1,900	500	370	3.1	120	220
	01/23/92		---	---	2,000	650 ^a	580	3.0	200	<0.5
	04/27/92		---	---	1,100	230 ^a	150	<3	76	14
	07/17/92		---	---	810	58	200	<2.5	57	3.8
	10/16/92		---	---	440	190 ^c	79	1.8	18	4.6
	01/23/93		8.81	318.57	670	170 ^d	79	1.5	46	15
	04/28/93		9.87	317.51	2,000	<50	300	3.4	210	38
	09/22/93		9.65	317.73	4,800	670 ^a	2,000	34	150	51
	12/08/93		9.26	318.12	1,200	11	440	<5.0	120	29
	03/04/94		9.64	317.74	630	---	130	<0.5	17	0.80
	06/16/94		9.78	317.60	1,800	---	430	19	35	21
	05/05/95		9.38	318.00	160	---	50	0.9	7.2	4.1
S-4	01/25/91	327.38	---	---	<50	<50	<0.5	1.5	<0.5	2.8
	04/16/91		---	---	<50	0.7	<0.5	<0.5	<0.5	<0.5
	07/24/91		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/18/91		8.82	318.56	<50	<50	<0.5	<0.5	<0.5	<0.5

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC #204-6138-0907, 5251 Hopyard Road, Pleasanton, California (continued)

Well ID and Sampling Frequency	Sampling Date	Top-of- Box (ft msl)	Depth to Water (ft)	Ground Water Elevation (ft msl)	TPH-G	TPH-D	B	T	E	X
	01/23/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	04/27/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	07/17/92		---	---	<500	74	<0.5	<0.5	<0.5	<0.5
	10/16/92		---	---	<500	<50	<0.5	<0.5	<0.5	<0.5
	01/23/93		8.32	319.06	<500	94 ^b	<0.5	<0.5	<0.5	<0.5
	04/28/93		9.76	317.62	<50	<50	<0.5	<0.5	<0.5	<0.5
	09/22/93		9.30	318.08	---	---	---	---	---	---
	12/08/93		9.74	317.64	---	---	---	---	---	---
	03/04/94		9.60	317.78	---	---	---	---	---	---
	06/16/94		9.42	317.96	---	---	---	---	---	---
	05/05/95		9.02	318.36	<50	---	<0.5	<0.5	<0.5	<0.5
S-5	01/25/91	327.76	---	---	<50	<50	<0.5	<0.5	<0.5	0.7
	04/16/91		---	---	<50	<50	<0.5	<0.5	<0.5	0.8
	07/24/91		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/18/91		10.00	317.76	120 ^c	<50	4.3	<0.5	1.0	0.7
	01/23/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	04/27/92		---	---	50	<50	<0.5	<0.5	<0.5	0.6
	07/17/92		---	---	<50	70	<0.5	<0.5	<0.5	<0.5
	10/16/92		---	---	230	57	13	<0.5	4.9	4.3
	01/23/93		8.88	318.88	<50	150 ^b	<0.5	<0.5	<0.5	<0.5
	04/28/93		10.20	317.56	<50	<50	<0.5	<0.5	<0.5	<0.5
	09/22/93		9.92	317.84	<50	<50	<0.5	<0.5	<0.5	<0.5
	12/08/93		10.19	317.57	<50	<50	<0.5	<0.5	<0.5	<0.5
	03/04/94		9.95	317.81	<50	---	<0.5	<0.5	<0.5	<0.5
	06/16/94		10.02	317.74	<50	---	0.9	<0.5	<0.5	<0.5
	05/05/95		9.58	318.18	<50	---	<0.5	<0.5	<0.5	<0.5

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC #204-6138-0907, 5251 Hopyard Road, Pleasanton, California (continued)

Well ID and Sampling Frequency	Sampling Date	Top-of- Box (ft msl)	Depth to Water (ft)	Ground Water Elevation (ft msl)	TPH-G	TPH-D	parts per billion (µg/L)			
							B	T	E	X
S-6	01/25/91	326.56	---	---	<50	<50	<0.5	1.7	<0.5	2.8
	04/16/91		---	---	<50	<50	<0.5	<0.5	<0.5	0.6
	07/24/91		---	---	<50	<50	<0.5	<0.5	<0.5	0.5
	10/18/91		8.84	317.22	<50	<50	<0.5	<0.5	<0.5	0.5
	01/23/92		---	---	<50	<50	<0.5	<0.5	<0.5	0.5
	04/27/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	07/17/92		---	---	400	130	<0.5	<0.5	<0.5	<0.5
	10/16/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	01/23/93		7.82	318.74	<50	230 ^b	<0.5	<0.5	<0.5	<0.5
	04/28/93		9.00	317.56	<50	<50	<0.5	<0.5	<0.5	<0.5
	09/22/93		8.61	317.96	<50	<50	<0.5	<0.5	<0.5	<0.5
	12/08/93		10.02	316.54	<50	<50	<0.5	<0.5	<0.5	<0.5
	03/04/94		8.88	317.68	<50	---	<0.5	<0.5	<0.5	<0.5
	06/16/94		9.04	317.52	<50	---	<0.5	<0.5	<0.5	<0.5
	05/05/95		8.54	318.02	<50	---	<0.5	<0.5	<0.5	<0.5
S-7	01/25/91	326.49	---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	04/16/91		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	07/24/91		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/18/91		8.92	317.57	<50	140 ^f	<0.5	<0.5	<0.5	<0.5
	01/23/92		---	---	<50	140 ^f	<0.5	<0.5	<0.5	<0.5
	04/27/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	07/17/92		---	---	<50	<50	<0.5	1.8	0.6	4.1
	10/16/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	01/23/93		8.06	318.43	<50	110 ^b	<0.5	<0.5	<0.5	<0.5
	04/28/93		8.94	317.55	<50	<50	<0.5	<0.5	<0.5	<0.5
	09/22/93		8.57	317.92	---	---	---	---	---	---
	12/08/93		9.00	317.49	---	---	---	---	---	---
	03/04/94		8.96	317.53	---	---	---	---	---	---

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC #204-6138-0907, 5251 Hopyard Road, Pleasanton, California (continued)

Well ID and Sampling Frequency	Sampling Date	Top-of- Box (ft msl)	Depth to Water (ft)	Ground Water Elevation (ft msl)	TPH-G	TPH-D	B	T	E	X
	06/16/94		9.12	317.37	---	---	---	---	---	---
	05/05/95		8.58	317.91	<50	---	<0.5	<0.5	<0.5	<0.5
S-8	01/25/91	325.32	---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	04/16/91		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	07/24/91		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/18/91		7.62	317.70	<50	360 ^f	<0.5	<0.5	<0.5	<0.5
	01/23/92		---	---	<50	90	<0.5	<0.5	<0.5	<0.5
	04/27/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	07/17/92		---	---	53	<50	<0.5	1.0	<0.5	1.8
	10/16/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5
	01/23/93		7.00	318.32	<50	<50	<0.5	<0.5	<0.5	<0.5
	04/28/93		7.77	317.55	<50	<50	<0.5	<0.5	<0.5	<0.5
	09/22/93		7.67	317.65	<50	160	<0.5	<0.5	<0.5	<0.5
	12/08/93		7.76	317.56	<50	210	<0.5	<0.5	<0.5	<0.5
	03/04/94		7.66	317.66	<50	---	<0.5	<0.5	<0.5	<0.5
	06/16/94		7.78	317.54	<50	---	<0.5	<0.5	<0.5	<0.5
	05/05/95		7.42	317.90	<50	---	<0.5	<0.5	<0.5	<0.5
Trip Blank	03/04/94				<50		<0.5	<0.5	<0.5	<0.5
	06/16/94				<50		<0.5	<0.5	<0.5	<0.5
	05/05/95				<50	---	<0.5	<0.5	<0.5	<0.5
DTSC MCLs					NE	NE	1	100 ^h	680	1,750

Table 1. Ground Water Elevations and Analytic Results - Shell Service Station WIC #204-6138-0907, 5251 Hopyard Road, Pleasanton, California (continued)

Abbreviations:

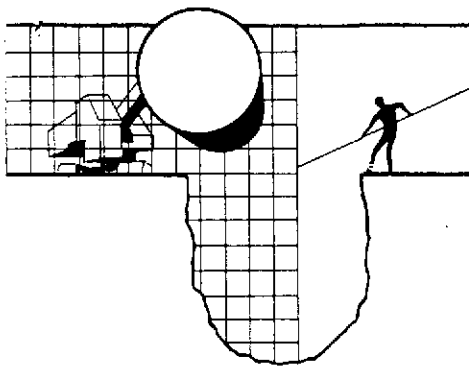
ft msl = Feet above mean sea level
TPH-G = Total petroleum hydrocarbons as gasoline by Modified EPA Method 8015
TPH-D = Total petroleum hydrocarbons as gasoline by Modified EPA Method 8015
B = Benzene by EPA Method 8020
E = Ethylbenzene by EPA Method 8020
T = Toluene by EPA Method 8020
X = Xylenes by EPA Method 8020
NE = Not established
DTSC MCLs = California Department of Toxic Substances Control maximum
contaminant levels for drinking water
< n = Not detected at detection limits of n ppb
dup = Duplicate sample
--- = Not analyzed

Notes:

a = Compounds detected as diesel appear to be the less volatile constituents of gasoline.
b = The concentration reported as diesel primarily due to the presence of a heavier petroleum product.
c = The concentration reported as diesel due to the presence of a lighter petroleum product.
d = Concentrations reported as diesel includes a heavier petroleum product.
e = Compounds detected within the chromatographic range of gasoline but not characteristic of the standard gasoline pattern.
f = Compounds detected within the chromatographic range of diesel but not characteristic of the standard diesel pattern.
g = The chromatographic pattern of the purgeable hydrocarbons found in the sample is similar to the pattern of weathered gasoline.
h = DTSC recommended action level; MCL not established

ATTACHMENT A

BLAINE TECH'S GROUND WATER MONITORING REPORT



BLAINE TECH SERVICES INC.

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

May 23, 1995

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

Attn: Daniel T. Kirk

SITE:
Shell WIC #204-6138-0907
5251 Hopyard Road
Pleasanton, California

QUARTER:
2nd quarter of 1995

QUARTERLY GROUNDWATER SAMPLING REPORT 950503-H-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 dewateres 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 based Department of Health Services certified Hazardous Materials Testing Laboratory and is listed as DOHS HMTL #1386.

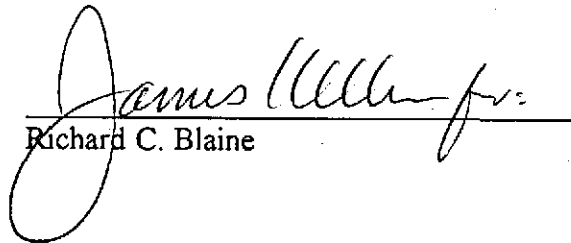
Objective Information Collection

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-1 *	5/3/95	TOB	--	NONE	--	--	11.54	29.94
S-2	5/3/95	TOB	--	NONE	--	--	8.60	24.60
S-3	5/3/95	TOB	--	NONE	--	--	9.38	24.84
S-4	5/3/95	TOB	--	NONE	--	--	9.02	24.56
S-5	5/3/95	TOB	--	NONE	--	--	9.58	24.78
S-6	5/3/95	TOB	--	NONE	--	--	8.54	26.06
S-7	5/3/95	TOB	--	NONE	--	--	8.58	25.36
S-8	5/3/95	TOB	--	NONE	--	--	7.42	25.26

* Sample DUP was a duplicate sample taken from well S-1.



SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD

#6641

Serial No: 950503-H1

Date: 5/3/95

Page 1 of 2

Site Address: 5251 Hopyard Road, Pleasanton, CA

WICK: 204-6138-0907

Shell Engineer: Dan Kirk
 Phone No.: (510) 575-6168
 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: TNH

Printed Name: TROY N. HORNER

Analysis Required

LAB: NET

TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/802)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020	Asbestos	Container Size	Preparation Used	Composite Y/N

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

NOTE: Hally Lab as soon as Possible of 24/48 hrs. 1AT.

Sample ID	Date	Sludge	Soil	Water	Air	No. of conls.
S-1	5/3			X		3
S-2	5/3			X		3
S-3	5/3			X		3
S-4	5/3			X		3
S-5	5/3			X		3
S-6	5/3			X		3
S-7	5/3			X		3
S-8	5/3			X		3

MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS

(5/4/95)
 [Signature]
 Paul [Signature]

Relinquished By (Signature):
 Relinquished By (Signature):
 Relinquished By (Signature):

Printed Name: TROY N. HORNER
 Printed Name: ET LUMBRE
 Printed Name:

Date: 5/4
 Time: 10:30
 Date: 6.30
 Time: 5/4
 Date:
 Time:

Received (signature):
 Received (signature):
 Received (signature):

Printed Name: ET LUMBRE
 Printed Name: PAM GREENE
 Printed Name:

Date: 5/4
 Time: 10:50
 Date: 5-5-95
 Time: 08:00
 Date:
 Time:

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

VIA NCS



SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD

#6641

Serial No: 950503-H1

Date: 5/3/95

Page 1 of 2

Site Address: 5251 Hopyard Road, Pleasanton, CA

WIC#: 204-6138-0907

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: TNH

Printed Name: TROY N. HORNER

Analysis Required

LAB: NET

CHECK ONE (1) BOX ONLY	CI/DI	TURN AROUND TIME
Quantity Monitoring <input checked="" type="checkbox"/> 6441		24 hours <input type="checkbox"/>
Site Investigation <input type="checkbox"/> 6441		48 hours <input type="checkbox"/>
Soil Classfy/Dxposal <input type="checkbox"/> 6442		16 days <input checked="" type="checkbox"/> (Normal)
Water Classfy/Dxposal <input type="checkbox"/> 6443		Other <input type="checkbox"/>
Soil/Air Rem. or Sp. O & M <input type="checkbox"/> 6462		
Water Rem. or Sp. O & M <input type="checkbox"/> 6463		
Other <input type="checkbox"/>		

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

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
-------------------------	----------------------------	---------------------	------------------------------	-------------------	----------------------------------	----------	----------------	------------------	---------------

Sample ID	Date	Sludge	Soil	Water	Air	No. of conls.
DUP	5/3			X		3
EQ	5/3			X		3
T13	5/3			X		2

MATERIAL DESCRIPTION

SAMPLE CONDITION/ COMMENTS

5/4/95
Real Intact
DB

Relinquished By (Signature): <u>Troy N. Horner</u>	Printed Name: <u>TROY N. HORNER</u>	Date: <u>5/4</u>	Received (Signature): <u>[Signature]</u>	Printed Name: <u>GT LUMMARE</u>	Date: <u>5/4</u>
Relinquished By (Signature): <u>[Signature]</u>	Printed Name: <u>GT LUMMARE</u>	Date: <u>5/4</u>	Received (Signature): <u>[Signature]</u>	Printed Name: <u>PAM GREENE</u>	Date: <u>5-5-95</u>
Relinquished By (Signature):	Printed Name:	Date: <u>16:30</u>	Received (Signature):	Printed Name:	Date: <u>08:00</u>
		Time:			Time:

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

VIA: NCS

Shell Oil Co. of America



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: 05/12/1995
NET Client Acct. No: 1821
NET Pacific Job No: 95.01811
Received: 05/05/1995

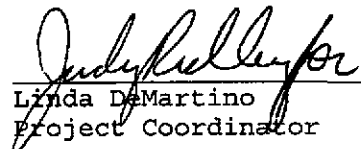
Client Reference Information

Shell 5251 Hopyard Road, PLeasanton, CA./950503-H1

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:


Division Manager


Linda DeMartino
Project Coordinator

Enclosure (s)





Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 95.01811

Date: 05/12/1995
ELAP Cert: 1386
Page: 2

Ref: Shell 5251 Hopyard Road, Pleasanton, CA./950503-H1

SAMPLE DESCRIPTION: S-1
Date Taken: 05/03/1995
Time Taken:
NET Sample No: 241269

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						05/08/1995	2815
Purgeable TPH	800		50	ug/L	5030/M8015		05/09/1995	2821
Carbon Range: C6 to C12	--						05/08/1995	2815
METHOD 8020 (GC, Liquid)	--						05/08/1995	2815
Benzene	120	FC	0.5	ug/L	8020		05/08/1995	2815
Toluene	3.6		0.5	ug/L	8020		05/09/1995	2821
Ethylbenzene	26	FC	0.5	ug/L	8020		05/08/1995	2815
Xylenes (Total)	2.7		0.5	ug/L	8020		05/09/1995	2821
SURROGATE RESULTS	--						05/08/1995	2815
Bromofluorobenzene (SURR)	86			% Rec.	8020		05/08/1995	2815

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: 95.01811

Date: 05/12/1995
ELAP Cert: 1386
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Ref: Shell 5251 Hopyard Road, Pleasanton, CA./950503-H1

SAMPLE DESCRIPTION: S-2

Date Taken: 05/03/1995

Time Taken:

NET Sample No: 241270

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						05/08/1995	2816
Purgeable TPH	ND		50	ug/L	5030/M8015		05/08/1995	2816
Carbon Range: C6 to C12	--						05/08/1995	2816
METHOD 8020 (GC, Liquid)	--						05/08/1995	2816
Benzene	ND		0.5	ug/L	8020		05/08/1995	2816
Toluene	ND		0.5	ug/L	8020		05/08/1995	2816
Ethylbenzene	ND		0.5	ug/L	8020		05/08/1995	2816
Xylenes (Total)	ND		0.5	ug/L	8020		05/08/1995	2816
SURROGATE RESULTS	--						05/08/1995	2816
Bromofluorobenzene (SURR)	81			% Rec.	8020		05/08/1995	2816

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: 95.01811

Date: 05/12/1995
ELAP Cert: 1386
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Ref: Shell 5251 Hopyard Road, PLeasanton, CA./950503-H1

SAMPLE DESCRIPTION: S-3
Date Taken: 05/03/1995
Time Taken:
NET Sample No: 241271

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						05/08/1995	2816
Purgeable TPH	160		50	ug/L	5030/M8015		05/08/1995	2816
Carbon Range: C6 to C12	--						05/08/1995	2816
METHOD 8020 (GC, Liquid)	--						05/08/1995	2816
Benzene	50		0.5	ug/L	8020		05/08/1995	2816
Toluene	0.9		0.5	ug/L	8020		05/08/1995	2816
Ethylbenzene	7.2		0.5	ug/L	8020		05/08/1995	2816
Xylenes (Total)	4.1		0.5	ug/L	8020		05/08/1995	2816
SURROGATE RESULTS	--						05/08/1995	2816
Bromofluorobenzene (SURR)	88			% Rec.	8020		05/08/1995	2816

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



Client Name: Blaine Tech Services

Date: 05/12/1995

Client Acct: 1821

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Ref: Shell 5251 Hopyard Road, Pleasanton, CA./950503-H1

SAMPLE DESCRIPTION: S-4

Date Taken: 05/03/1995

Time Taken:

NET Sample No: 241272

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						05/08/1995	2816
Purgeable TPH	ND		50	ug/L	5030/M8015		05/08/1995	2816
Carbon Range: C6 to C12	--						05/08/1995	2816
METHOD 8020 (GC, Liquid)	--						05/08/1995	2816
Benzene	ND		0.5	ug/L	8020		05/08/1995	2816
Toluene	ND		0.5	ug/L	8020		05/08/1995	2816
Ethylbenzene	ND		0.5	ug/L	8020		05/08/1995	2816
Xylenes (Total)	ND		0.5	ug/L	8020		05/08/1995	2816
SURROGATE RESULTS	--						05/08/1995	2816
Bromofluorobenzene (SURR)	82			* Rec.	8020		05/08/1995	2816

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: 95.01811

Date: 05/12/1995
ELAP Cert: 1386
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Ref: Shell 5251 Hopyard Road, Pleasanton, CA./950503-H1

SAMPLE DESCRIPTION: S-5
Date Taken: 05/03/1995
Time Taken:
NET Sample No: 241273

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						05/08/1995	2816
Purgeable TPH	ND		50	ug/L	5030/M8015		05/08/1995	2816
Carbon Range: C6 to C12	--						05/08/1995	2816
METHOD 8020 (GC, Liquid)	--						05/08/1995	2816
Benzene	ND		0.5	ug/L	8020		05/08/1995	2816
Toluene	ND		0.5	ug/L	8020		05/08/1995	2816
Ethylbenzene	ND		0.5	ug/L	8020		05/08/1995	2816
Xylenes (Total)	ND		0.5	ug/L	8020		05/08/1995	2816
SURROGATE RESULTS	--						05/08/1995	2816
Bromofluorobenzene (SURRE)	84			% Rec.	8020		05/08/1995	2816

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



Client Name: Elaine Tech Services

Date: 05/12/1995

Client Acct: 1821

ELAP Cert: 1386

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Ref: Shell 5251 Hopyard Road, Pleasanton, CA./950503-H1

SAMPLE DESCRIPTION: S-6

Date Taken: 05/03/1995

Time Taken:

NET Sample No: 241274

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						05/08/1995	2816
Purgeable TPH	ND		50	ug/L	5030/M8015		05/08/1995	2816
Carbon Range: C6 to C12	--						05/08/1995	2816
METHOD 8020 (GC, Liquid)	--						05/08/1995	2816
Benzene	ND		0.5	ug/L	8020		05/08/1995	2816
Toluene	ND		0.5	ug/L	8020		05/08/1995	2816
Ethylbenzene	ND		0.5	ug/L	8020		05/08/1995	2816
Xylenes (Total)	ND		0.5	ug/L	8020		05/08/1995	2816
SURROGATE RESULTS	--						05/08/1995	2816
Bromofluorobenzene (SURR)	76			% Rec.	8020		05/08/1995	2816

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



Client Name: Elaine Tech Services

Date: 05/12/1995

Client Acct: 1821

ELAP Cert: 1386

NET Job No: 95.01811

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Ref: Shell 5251 Hopyard Road, Pleasanton, CA./950503-H1

SAMPLE DESCRIPTION: S-7

Date Taken: 05/03/1995

Time Taken:

NET Sample No: 241275

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						05/09/1995	2816
Purgeable TPH	ND		50	ug/L	5030/M8015		05/09/1995	2816
Carbon Range: C6 to C12	--						05/09/1995	2816
METHOD 8020 (GC, Liquid)	--						05/09/1995	2816
Benzene	ND		0.5	ug/L	8020		05/09/1995	2816
Toluene	ND		0.5	ug/L	8020		05/09/1995	2816
Ethylbenzene	ND		0.5	ug/L	8020		05/09/1995	2816
Xylenes (Total)	ND		0.5	ug/L	8020		05/09/1995	2816
SURROGATE RESULTS	--						05/09/1995	2816
Bromofluorobenzene (SURRE)	83			% Rec.	8020		05/09/1995	2816

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: 95.01811

Date: 05/12/1995
ELAP Cert: 1386
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Ref: Shell 5251 Hopyard Road, Pleasanton, CA./950503-H1

SAMPLE DESCRIPTION: S-8
Date Taken: 05/03/1995
Time Taken:
NET Sample No: 241276

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						05/09/1995	2816
Purgeable TPH	ND		50	ug/L	5030/M8015		05/09/1995	2816
Carbon Range: C6 to C12	--						05/09/1995	2816
METHOD 8020 (GC, Liquid)	--						05/09/1995	2816
Benzene	ND		0.5	ug/L	8020		05/09/1995	2816
Toluene	ND		0.5	ug/L	8020		05/09/1995	2816
Ethylbenzene	ND		0.5	ug/L	8020		05/09/1995	2816
Xylenes (Total)	ND		0.5	ug/L	8020		05/09/1995	2816
SURROGATE RESULTS	--						05/09/1995	2816
Bromofluorobenzene (Surr)	.84			% Rec.	8020		05/09/1995	2816

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



Client Name: Blaine Tech Services

Date: 05/12/1995

Client Acct: 1821

ELAP Cert: 1386

NET Job No: 95.01811

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Ref: Shell 5251 Hopyard Road, Pleasanton, CA./950503-H1

SAMPLE DESCRIPTION: DUP

Date Taken: 05/03/1995

Time Taken:

NET Sample No: 241277

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						05/09/1995	2816
Purgeable TPH	710		50	ug/L	5030/M8015		05/09/1995	2816
Carbon Range: C6 to C12	--						05/09/1995	2816
METHOD 8020 (GC, Liquid)	--						05/09/1995	2816
Benzene	110	FC	0.5	ug/L	8020		05/09/1995	2821
Toluene	3.4		0.5	ug/L	8020		05/09/1995	2816
Ethylbenzene	19		0.5	ug/L	8020		05/09/1995	2816
Xylenes (Total)	2.7		0.5	ug/L	8020		05/09/1995	2816
SURROGATE RESULTS	--						05/09/1995	2816
Bromofluorobenzene (SURR)	90			% Rec.	8020		05/09/1995	2816

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

Date: 05/12/1995

Client Acct: 1821

ELAP Cert: 1386

NET Job No: 95.01811

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Ref: Shell 5251 Hopyard Road, Pleasanton, CA./950503-H1

SAMPLE DESCRIPTION: EB

Date Taken: 05/03/1995

Time Taken:

NET Sample No: 241278

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						05/09/1995	2816
Purgeable TPH	ND		50	ug/L	5030/M8015		05/09/1995	2816
Carbon Range: C6 to C12	--						05/09/1995	2816
METHOD 8020 (GC, Liquid)	--						05/09/1995	2816
Benzene	ND		0.5	ug/L	8020		05/09/1995	2816
Toluene	ND		0.5	ug/L	8020		05/09/1995	2816
Ethylbenzene	ND		0.5	ug/L	8020		05/09/1995	2816
Xylenes (Total)	ND		0.5	ug/L	8020		05/09/1995	2816
SURROGATE RESULTS	--						05/09/1995	2816
Bromofluorobenzene (SURR)	74			% Rec.	8020		05/09/1995	2816

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: 95.01811

Date: 05/12/1995
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Ref: Shell 5251 Hopyard Road, Pleasanton, CA./950503-H1

SAMPLE DESCRIPTION: TB

Date Taken: 05/03/1995

Time Taken:

NET Sample No: 241279

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						05/09/1995	2816
Purgeable TPH	ND		50	ug/L	5030/M8015		05/09/1995	2816
Carbon Range: C6 to C12	--						05/09/1995	2816
METHOD 8020 (GC, Liquid)	--						05/09/1995	2816
Benzene	ND		0.5	ug/L	8020		05/09/1995	2816
Toluene	ND		0.5	ug/L	8020		05/09/1995	2816
Ethylbenzene	ND		0.5	ug/L	8020		05/09/1995	2816
Xylenes (Total)	ND		0.5	ug/L	8020		05/09/1995	2816
SURROGATE RESULTS	--						05/09/1995	2816
Bromofluorobenzene (SURR)	77			% Rec.	8020		05/09/1995	2816

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Client Name: Blaine Tech Services
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Ref: Shell 5251 Hopyard Road, Pleasanton, CA./950503-H1

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV	CCV	CCV	Units	Date Analyzed	Analyst Initials	Run Batch Number
	Standard Amount	Standard Amount	Standard Amount				
	% Recovery	Found	Expected				
METHOD 5030/8015-M (Shell)							
Purgeable TPH	113.2	0.566	0.50	mg/L	05/08/1995		2815
Benzene	103.2	5.16	5.00	ug/L	05/08/1995		2815
Toluene	104.8	5.24	5.00	ug/L	05/08/1995		2815
Ethylbenzene	102.8	5.14	5.00	ug/L	05/08/1995		2815
Xylenes (Total)	102.7	15.4	15.0	ug/L	05/08/1995		2815
Bromofluorobenzene (SURR)	82.9	82.9	100	% Rec.	05/08/1995		2815
METHOD 5030/8015-M (Shell)							
Purgeable TPH	113.2	0.566	0.50	mg/L	05/08/1995	pbg	2816
Benzene	103.2	5.16	5.00	ug/L	05/08/1995	pbg	2816
Toluene	104.8	5.24	5.00	ug/L	05/08/1995	pbg	2816
Ethylbenzene	102.8	5.14	5.00	ug/L	05/08/1995	pbg	2816
Xylenes (Total)	102.7	15.4	15.0	ug/L	05/08/1995	pbg	2816
Bromofluorobenzene (SURR)	82.9	82.9	100	% Rec.	05/08/1995	pbg	2816
METHOD 5030/8015-M (Shell)							
Purgeable TPH	100.6	0.503	0.50	mg/L	05/09/1995	pbg	2821
Benzene	106.8	5.34	5.00	ug/L	05/09/1995	pbg	2821
Toluene	100.2	5.01	5.00	ug/L	05/09/1995	pbg	2821
Ethylbenzene	102.6	5.13	5.00	ug/L	05/09/1995	pbg	2821
Xylenes (Total)	102.7	15.4	15.0	ug/L	05/09/1995	pbg	2821
Bromofluorobenzene (SURR)	81.0	81	100	% Rec.	05/09/1995	pbg	2821

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



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METHOD BLANK REPORT

Parameter	Method	Reporting	Units	Date	Analyst	Run
	Blank					Amount
	Found	Limit		Analyzed	Initials	Number
METHOD 5030/8015-M (Shell)						
Purgeable TPH	ND	0.05	mg/L	05/08/1995		2815
Benzene	ND	0.5	ug/L	05/08/1995		2815
Toluene	ND	0.5	ug/L	05/08/1995		2815
Ethylbenzene	ND	0.5	ug/L	05/08/1995		2815
Xylenes (Total)	ND	0.5	ug/L	05/08/1995		2815
Bromofluorobenzene (SURR)	82		µ Rec.	05/08/1995		2815
METHOD 5030/8015-M (Shell)						
Purgeable TPH	ND	0.05	mg/L	05/08/1995	pbg	2816
Benzene	ND	0.5	ug/L	05/08/1995	pbg	2816
Toluene	ND	0.5	ug/L	05/08/1995	pbg	2816
Ethylbenzene	ND	0.5	ug/L	05/08/1995	pbg	2816
Xylenes (Total)	ND	0.5	ug/L	05/08/1995	pbg	2816
Bromofluorobenzene (SURR)	82		µ Rec.	05/08/1995	pbg	2816
METHOD 5030/8015-M (Shell)						
Purgeable TPH	ND	0.05	mg/L	05/09/1995	pbg	2821
Benzene	ND	0.5	ug/L	05/09/1995	pbg	2821
Toluene	ND	0.5	ug/L	05/09/1995	pbg	2821
Ethylbenzene	ND	0.5	ug/L	05/09/1995	pbg	2821
Xylenes (Total)	ND	0.5	ug/L	05/09/1995	pbg	2821
Bromofluorobenzene (SURR)	73		µ Rec.	05/09/1995	pbg	2821

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



Client Name: Blaine Tech Services
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MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike				Sample Conc.	Matrix Spike			Date Analyzed	Run Batch	Sample Spiked
	Spike % Rec.	Dup % Rec.	RPD	Spike Amount		Spike Conc.	Dup. Conc.	Units			
METHOD 5030/8015-M (Shell)											241264
Purgeable TPH	110.6	111.2	0.5	0.500	ND	0.553	0.556	mg/L	05/08/1995	2815	241264
Benzene	99.8	99.4	0.4	9.35	ND	9.33	9.29	ug/L	05/08/1995	2815	241264
Toluene	89.7	89.7	0.0	36.0	ND	32.3	32.3	ug/L	05/08/1995	2815	241264
METHOD 5030/8015-M (Shell)											241270
Purgeable TPH	91.6	98.2	7.0	0.500	ND	0.458	0.491	mg/L	05/08/1995	2816	241270
Benzene	77.0	81.4	5.6	9.35	ND	7.20	7.61	ug/L	05/08/1995	2816	241270
Toluene	86.4	93.1	7.5	36.0	ND	31.1	33.5	ug/L	05/08/1995	2816	241270

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: 950503-41 Log No: 6041
Cooler received on: 5-5-95 and checked on 5-5-95 by Tom Greene
(signature) Tom Greene

- 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
- 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

Temp 0.0°
JA

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)