Chevron

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August 1, 1994

Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing Department
Phone 510 842 9500

Ms. Juliet Shin
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94501

Re: Chevron Service Station #9-0504
15900 Hesperian Boulevard, San Lorenzo, CA

Dear Ms. Shin:

Enclosed is the Second Quarter 1994 Ground Water Monitoring Report dated July 8, 1994, prepared by our consultant Weiss Associates for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. Dissolved concentrations of these constituents observed during the past quarter are consistent with historical results. Depth to ground water was measured at approximately 8.8 to 13.4 feet below grade, and the direction of flow is to the south-southwest.

I have received your letter of July 5, 1994, requesting sampling of monitor well MW-4 for EPA Method 8010 compounds, a work plan for delineation of hydrocarbon impacts to ground water, and a projected timetable for future work. I will address each of the items below in the order presented in your letter.

I. Sampling C-4 for EPA Method 8010 Constituents

During the waste oil tank removal documented in the April 14, 1994 report by Touchstone Developments, soil samples WO-E and WO-W were collected from beneath the former tank location at 9 feet below grade. Laboratory analyses of sample WO-E indicated the presence of dichloromethane at a concentration of 6 ppb. The excavation was continued to 11 feet below grade where sample XWO-E was collected. Laboratory analyses of this sample indicate that concentrations of EPA Method 8010 constituents including dichloromethane were below method detection limits.

The above data indicates that the low concentrations of EPA Method 8010 constituents present in the soil have been removed and the potential for this contaminant to migrate to ground water is small. However, we will instruct our consultant to collect and analyze a ground water sample from C-4 for EPA Method 8010 constituents during the next sampling event. We will discontinue this analysis if the results indicate that concentrations of these constituents are below method detection limits. These results were included w/ 4Q94 report

II. Submit a work plan for delineation of hydrocarbons in ground water

Your letter requested additional delineation to the southeast, or cross and down gradient, of monitor well C-7. The observed direction of ground water flow at the site over the past five years has consistently been to the south-southwest. Ground water monitor wells C-9,

C-10, and C-11 are located down gradient of the dissolved hydrocarbon plume and sampling of these wells conducted over the last four years indicates that concentrations of hydrocarbons are below method detection limits. This data indicates that the down gradient extent of the hydrocarbon plume has been sufficiently defined.

It is unclear as to what area of the dissolved hydrocarbon plume your office views as undefined. Several attempts to contact you by telephone over the last two weeks to discuss your request have been unsuccessful. As discussed below, we will ask our consultant to review your request and provide recommendations on whether additional delineation is required.

III. Submit a timetable for future actions

Chevron agrees that ground water extraction has limited effects on removing dissolved hydrocarbons and is more commonly used as a containment measure. The current system was not designed specifically to remove hydrocarbons from ground water, but rather to provide supplemental hydraulic containment to that provided by the natural geologic formation.

The ground water extraction system has been operational since August of 1992. To date, the system has removed over 1.1 million gallons of hydrocarbon impacted ground water while the quantity of gasoline removed is estimated at only 3 or 4 gallons. This system has been effective in reducing the concentrations of dissolved hydrocarbons observed in extraction wells C-1 and C-2.

Chevron has maintained a consistent effort to keep the system operational. I have enclosed copies of the Remediation System Performance Review dated June 30, 1994, and the Monthly Discharge Compliance Report dated July 13, 1994, prepared by our consultant Weiss Associates to document our remedial efforts.

Sampling data collected over the last four to five years indicates that the dissolved hydrocarbon plume has not migrated either before or after the system became operational. Down gradient monitor wells C-9, C-10, and C-11 have never contained concentrations of hydrocarbons above method detection limits since sampling began in 1990.

Based on the above data, we believe this site meets all the proposed Category II Regional Water Quality Control Board (RWQCB) criteria for establishing a non-attainment area where cleanup goals are applied at the down gradient plume boundary. We will instruct our consultant to perform a comprehensive site review and determine appropriate future actions for this site. The work plan will also evaluate whether additional wells are required per your request of July 5, 1994. We anticipate forwarding a report documenting the results of our evaluation during the fourth quarter of 1994.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. Kevin Graves, RWQCB - Bay Area
Mr. S.A. Willer

Mr. Bruce E. Prigoff, Esq.
Steefel, Levitt & Weiss
One Embarcadero Center, 29th Floor
San Francisco, CA 94111

File: 9-0504 QM8

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

July 5, 1994

Mr. Mark Miller
Chevron U.S.A. Products Co.
P.O. Box 5004
San Ramon, CA 94583-0804

STID 776

Re: Investigations at 15900 Hesperian Blvd., San Lorenzo, CA

Dear Mr. Miller,

This office reviewed Touchstone Developments' Underground Storage Tank Removal Report, dated April 14, 1994, for the removal of the waste oil tank from the above site. Based on the fact that 6 parts per billion (ppb) Dichloromethane was identified in one of the tank pit soil samples, you are required to include the analysis for purgeable halogenated volatile organics (Method 8010) in the next quarterly water sampling of Well C-4. If no 8010 contaminant constituents are identified, you may discontinue the analysis for these constituents.

Elevated levels of contaminant constituents continue to be identified in Well C-7. The southeasternmost extent of this observed contamination has not yet been defined. Per Article 11, Title 23 California Code of Regulations, you are required to delineate the full extent of the ground water contamination at the site. A work plan addressing the delineation of the ground water contaminant plume shall be submitted **within 60 days** of the date of this letter.

At this time, continued quarterly monitoring and ground water extraction is acceptable, however, please be reminded that ground water extraction has generally been accepted as a containment/interim remediation measure only, rather than a final remediation measure. It is the understanding of this office that Chevron intends to ultimately address the remediation of both the on and off-site observed contamination. Please submit a letter or projected timetable for scheduled work, **within 60 days of the date of this letter**, outlining Chevron's intent for this site in the next one or two years.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

Juliet Shin
Hazardous Materials Specialist

cc: James W. Carmody
Weiss Associates
5500 Shellmound St.
Emeryville, CA 94608-2411

Jeff Monroe
Touchstone Developments
P.O. Box 2554
Santa Rosa, CA 95405

Edgar Howell-File(JS)

Weiss Associates Environmental and Geologic Services

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

July 8, 1994

Mark Miller
Chevron U.S.A. Products Company
P.O. Box 5004
San Ramon, CA 94583-0804

Re: Second Quarter 1994
Ground Water Monitoring Report
Chevron Service Station #9-0504
15900 Hesperian Boulevard
San Lorenzo, California
WA Job #4-551-91

Dear Mr. Miller:

As you requested, Weiss Associates (WA) is providing this Ground Water Monitoring Report for the site referenced above (Figure 1). WA sampled the ground water monitoring wells (Figure 2) on June 8, 1994, in accordance with the requirements and procedures of the California Regional Water Quality Control Board - San Francisco Bay Region and local regulatory agencies.

SAMPLING PROCEDURES

Prior to purging and sampling the wells, WA measured the depth to ground water in each well to the nearest 0.01 ft using an electronic sounder (Table 1). We also checked the wells for floating hydrocarbons. No floating hydrocarbons were detected in any wells this quarter.

WA collected ground water samples for analysis after either purging at least 3 well-casing volumes of ground water from each well, purging the well dry and allowing it to recover to at least 80% of its static water level, or purging the well dry and allowing it to recover for two hours. Each sample was either collected from a sampling port or decanted from a disposable bailer into the appropriate clean sample containers and delivered to a California-certified laboratory following proper

sample preservation and chain-of-custody procedures. Purged ground water was processed through the onsite treatment system.

MONITORING AND ANALYTIC RESULTS

The top-of-casing elevation, depth to ground water, and ground water elevation for each well is presented in Table 1. Ground water elevation contours and inferred ground water flow direction are shown on Figure 2.

Current and historical ground water analytic results are summarized in Table 2. The water sample collection records, and the analytic report and chain-of-custody forms are included as Attachments A and B, respectively.

PROPOSED WORK SCHEDULE

The Third Quarter 1994 ground water sampling is scheduled for September 1994. We will submit a report presenting the field and analytic data by November 1994.

We appreciate this opportunity to provide hydrogeologic consulting services to Chevron and trust that this submittal meets your needs. Please call if you have any questions regarding this report.

Sincerely,
Weiss Associates

Patricia-Anne Dresser
Staff Geologist

Peter F. McKereghan, C.E.G.
Project Hydrogeologist

PAD/PFM:pad

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Attachments A - Water Sample Collection Records
B - Analytic Report and Chain-of-Custody Forms

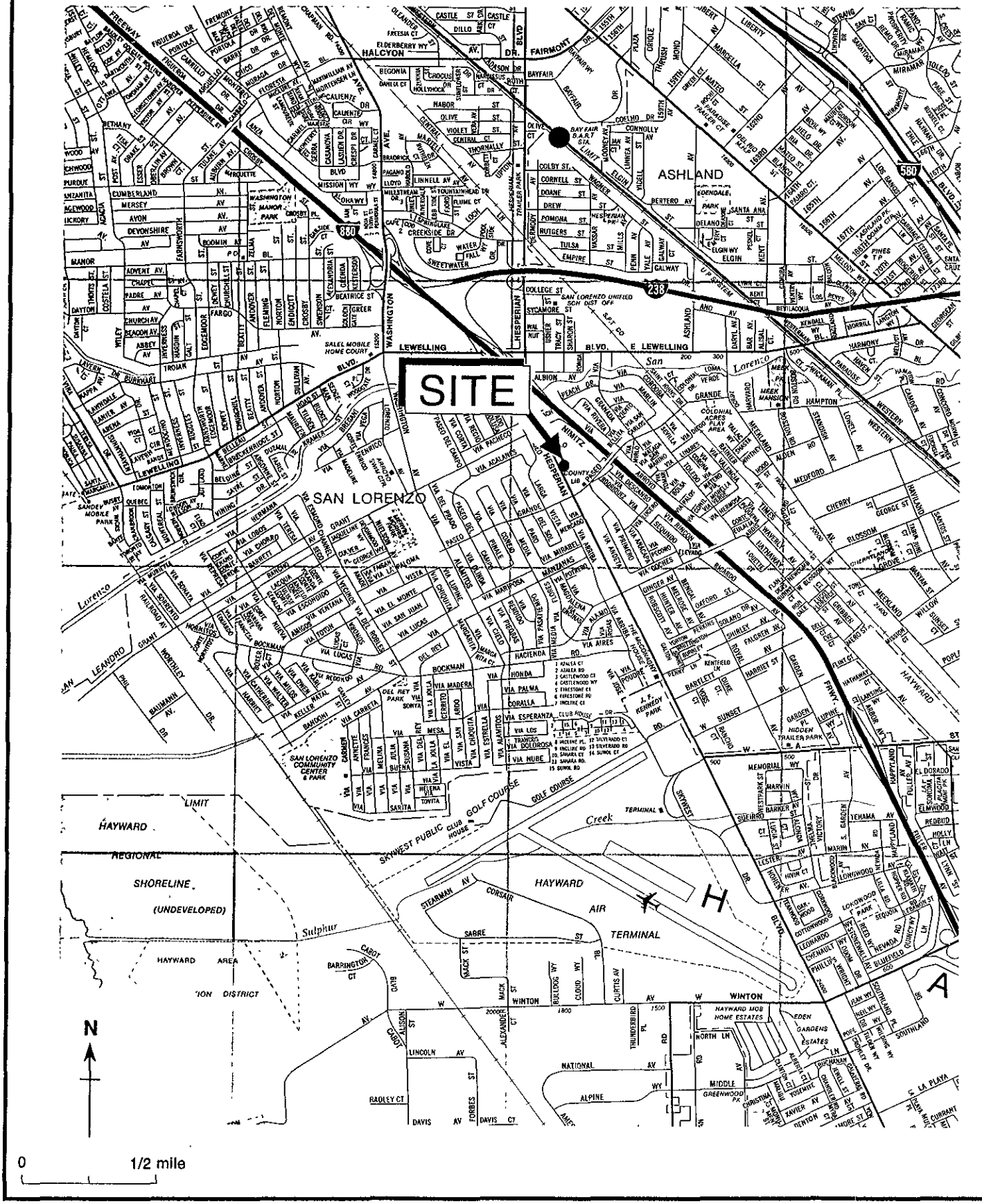

Figure 1. Site Location Map - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California

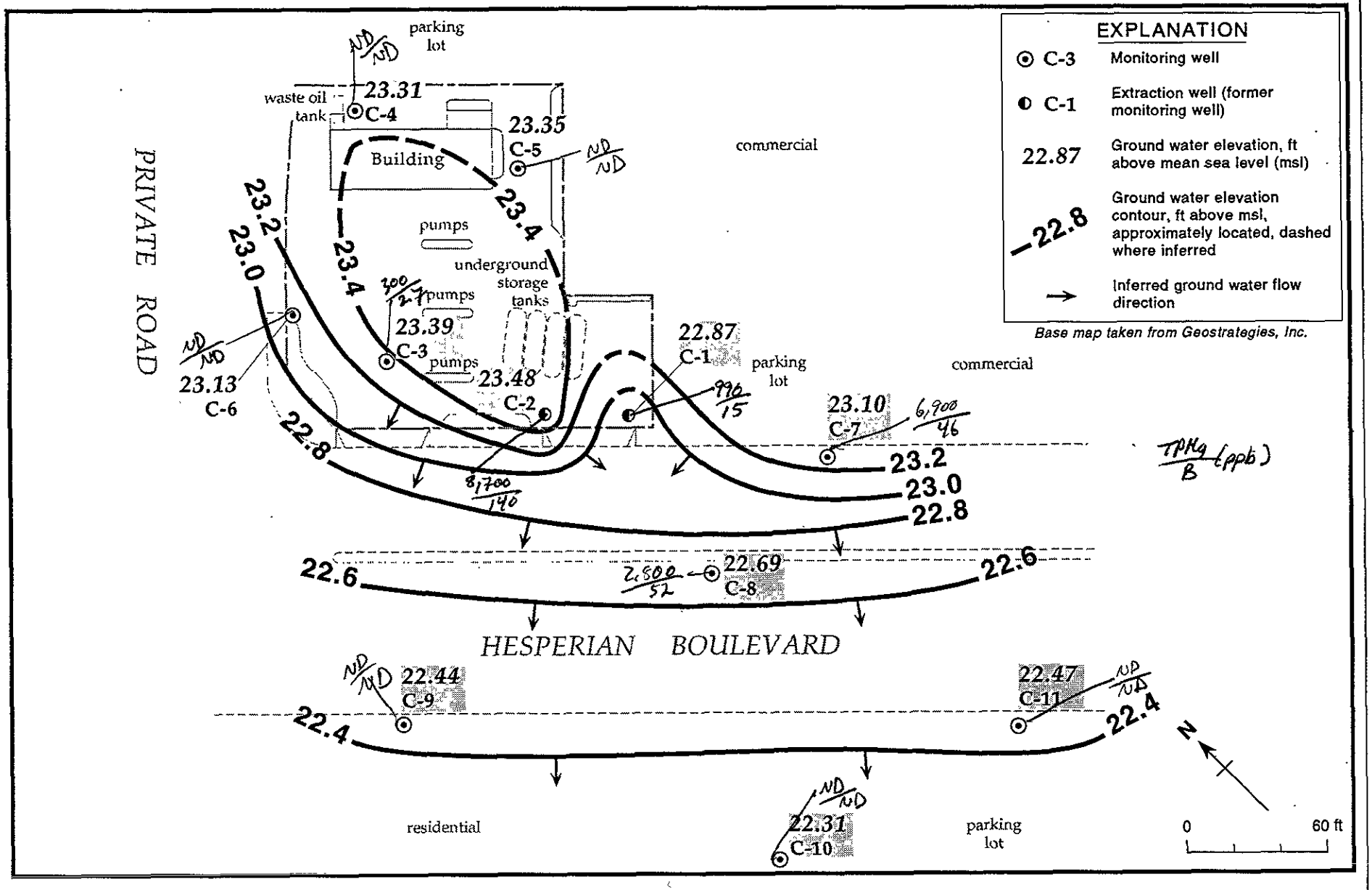

Figure 2. Ground Water Elevation Contour Map - June 8, 1994 - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California

Table 1. Summary of Ground Water Elevations, Chevron Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft)	Thickness of Floating Hydrocarbons (ft)	Ground Water Elevation (ft above msl)[a]
C-1	06/06/89		---	---	---
	12/08/89		13.14	0.01	---
	09/07/90	33.93[b]	14.04	0.03	19.91
	12/20/90		13.87	0.01	20.07
	03/15/91		11.40		22.53
	06/28/91		12.25		21.68
	09/26/91		14.02		19.91
	01/27/92		12.63		21.30
	04/20/92		10.43		23.50
	07/17/92		12.61		21.32
	10/29/92		---		---
	01/20/93		9.42		24.51
	05/03/93		---		---
	07/28/93		10.48		23.45
	10/27/93	32.80	11.32		21.48
	03/31/94		9.45		23.35
	06/08/94		**9.93**		**22.87**
C-2	06/06/89		---	---	---
	12/08/89		13.44	0.15	---
	09/07/90	34.21[b]	14.28	0.10	20.01
	12/20/90		14.06	0.01	20.16
	03/15/91		11.59	0.01	22.63
	06/28/91		12.55		21.66
	09/26/91		14.20		20.01
	01/27/92		12.46		21.75
	04/20/92		10.24		23.97
	07/17/92		12.81		21.40
	10/29/92		---		---
	01/20/93		8.79		25.42
	05/03/93		---		---
	07/28/93		---		---
	10/27/93	33.46	12.36		21.10
	03/31/94		9.62		23.84
	06/08/94		**9.98**		**23.48**
C-3	06/06/89		---	---	---
	12/08/89		---	---	---
	09/07/90	35.46[b]	15.31		20.15

-- Table 1 continues on next page --

Table 1. Summary of Ground Water Elevations, Chevron Station #9-0504, 15900 Hesperian Blvd., San Lorenzo, California (continued)

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft)	Thickness of Floating Hydrocarbons (ft)	Ground Water Elevation (ft above msl)[a]
C-3	12/20/90		15.17		20.29
	03/06/91		13.27		22.19
	06/28/91		13.67		21.79
	09/26/91		15.32		20.14
	01/27/92		13.91		21.55
	04/20/92		11.66		23.80
	07/17/92		13.96		21.50
	10/29/92		15.51		19.95
	01/20/93		10.99		24.47
	05/03/93		10.97		24.49
	07/28/93		12.41		23.05
	10/27/93		13.37		21.78
	03/31/94		11.56[e]		23.90
	06/08/94		**12.07**		**23.39**
C-4	06/06/89	---	---		---
	12/08/89	---	---		---
	09/07/90	35.78[b]	15.58		20.20
	12/20/90		15.42		20.36
	03/06/91		13.54		22.24
	06/28/91		13.93		21.85
	09/26/91		15.64		20.14
	01/27/92		13.96		21.82
	04/20/92		11.71		24.07
	07/17/92		14.19		21.59
	10/29/92		15.72		20.06
	01/20/93		11.17		24.61
	05/03/93		10.94		24.84
	07/28/93		12.40		23.38
	10/27/93	35.23	13.32		21.91
	03/31/94		---[d]		---
	06/08/94		**11.92**		**23.31**
C-5	06/06/89	---	---		---
	12/08/89	---	---		---
	09/07/90	35.31[b]	15.10		20.21
	12/20/90		14.94		20.37
	03/06/91		13.06		22.25
	06/28/91		13.46		21.85

-- Table 1 continues on next page --

Table 1. Summary of Ground Water Elevations, Chevron Station #9-0504, 15900 Hesperian Blvd., San Lorenzo, California (continued)

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft)	Thickness of Floating Hydrocarbons (ft)	Ground Water Elevation (ft above msl)[a]
C-5	09/26/91		15.14		20.17
	01/27/92		13.31		22.00
	04/20/92		11.10		24.21
	07/17/92		13.73		21.58
	10/29/92		15.20		20.11
	01/20/93		10.72		24.59
	05/03/93		10.43		24.88
	07/28/93		11.81		23.50
	10/27/93	34.61	12.68		21.93
	03/31/94		11.00[c]		23.61
	06/08/94		**11.26**		**23.35**
C-6	12/08/89	---	---		---
	09/07/90	36.89[b]	16.83		20.06
	12/20/90		16.66		20.23
	03/06/91		14.80		22.09
	06/28/91		15.16		21.73
	09/26/91		16.82		20.07
	01/27/92		15.44		21.45
	04/20/92		13.17		23.72
	07/17/92		15.44		21.45
	10/29/92		16.98		19.91
	01/20/93		12.47		24.42
	05/03/93				
	07/28/93		13.86		23.03
	10/27/93	36.57	14.85		21.72
	03/31/94		13.00		23.57
	06/08/94		**13.44**		**23.13**
C-7	12/08/89	---	---		---
	09/07/90	32.75[b]	13.02		19.73
	12/20/90		12.28		20.47
	03/06/91		16.92		15.83
	06/28/91		11.31		21.44
	09/26/91		12.28		20.47
	01/27/92		11.43		21.32
	04/20/92		9.28		23.47
	07/17/92		11.49		21.26
	10/29/92		13.05		19.70

-- Table 1 continues on next page --

Table 1. Summary of Ground Water Elevations, Chevron Station #9-0504, 15900 Hesperian Blvd., San Lorenzo, California (continued)

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft)	Thickness of Floating Hydrocarbons (ft)	Ground Water Elevation (ft above msl)[a]
C-7	01/20/93		8.69		24.06
	05/03/93		8.68		24.07
	07/28/93		9.99		22.76
	10/27/93	32.32	10.72		21.60
	03/31/94		9.11		23.21
	06/08/94		**9.22**		**23.10**
C-8	12/08/89	---	---		---
	09/07/90	33.82[b]	14.32		19.50
	12/20/90		14.20		19.61
	03/06/91		14.80		19.02
	06/28/91		12.65		21.17
	09/26/91		14.29		19.53
	01/27/92		12.60		21.22
	04/20/92		10.36		23.46
	07/17/92		12.88		20.94
	10/29/92		14.39		19.43
	01/20/93		10.02		23.80
	05/03/93		9.75		24.07
	07/28/93		11.14		22.68
	10/27/93	33.25	12.01		21.24
	03/31/94		10.27		22.98
	06/08/94		**10.56**		**22.69**
C-9	09/07/90	33.43[b]	14.06		19.37
	12/20/90		14.03		19.40
	03/06/91		12.12		21.31
	06/28/91		12.41		21.02
	09/26/91		14.02		19.41
	01/27/92		12.53		20.90
	04/20/92		10.22		23.21
	07/17/92		12.64		20.79
	10/29/92		14.20		19.23
	01/20/93		9.72		23.71
	05/03/93		9.55		23.66
	07/28/93		10.98		22.45
	10/27/93	32.97	11.98		20.99
	03/31/94		10.17		22.80
	06/08/94		**10.53**		**22.44**

-- Table 1 continues on next page --

Table 1. Summary of Ground Water Elevations, Chevron Station #9-0504, 15900 Hesperian Blvd., San Lorenzo, California (continued)

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft)	Thickness of Floating Hydrocarbons (ft)	Ground Water Elevation (ft above msl)[a]
C-10	09/07/90	31.63[b]	12.49		19.14
	12/20/90		12.36		19.27
	03/06/91		10.45		21.18
	06/28/91		10.74		20.69
	09/26/91		12.42		19.21
	01/27/92		10.84		20.79
	04/20/92		8.55		23.06
	07/17/92		11.02		20.61
	10/29/92		12.40		19.23
	01/20/93		8.14		23.49
	05/03/93		7.92		23.71
	07/28/93		9.36		22.27
	10/27/93	31.16	10.30		20.86
	03/31/94		8.45		22.71
	06/08/94		**8.85**		**22.31**
C-11	09/07/90	31.58[b]	12.22		19.36
	12/20/90		12.08		19.50
	03/06/91		16.15		15.43
	06/28/91		10.52		21.06
	09/26/91		12.20		19.38
	01/27/92		10.73		20.85
	04/20/92		8.56		23.02
	07/17/92		10.78		20.80
	10/29/92		12.07		19.51
	01/20/93		7.97		21.61
	05/03/93		7.95		23.63
	07/28/93		9.31		22.27
	10/27/93	31.23	10.17		21.06
	03/31/94		8.43		22.80
	06/08/94		**8.76**		**22.47**

-- Table 1 continues on next page --

Table 1. Summary of Ground Water Elevations, Chevron Station #9-0504, 15900 Hesperian Blvd., San Lorenzo, California (continued)

Notes:

msl = Mean sea level
a = When floating hydrocarbons are present ground water elevation is adjusted using the relation: Ground Water Elevation = Top-of-casing elevation - depth to water + (0.8 x hydrocarbon thickness).
b = Elevation of Well Box
c = Depth to water measured from top of well vault
d = Well inaccessible, depth to water not measured

Data from June 6, 1989 to July 28, 1993 presented in Groundwater Technology, Inc. September 21, 1993 report.

Table 2. Analytic Results for Ground Water, Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	B	E	T	X
			<----------parts per billion (µg/l)---------->				
C-1	06/06/89	---	5,100	250	200	170	990
	12/08/89	13.14	---	---	---	---	---
	09/07/90	14.04	---	---	---	---	---
	12/20/90	13.87	---	---	---	---	---
	03/15/91	11.40	37,000	220	53	53	1,900
	06/28/91	12.25	3,300	110	6.2	6.2	350
	09/26/91	14.02	3,200	220	6.9	6.9	710
	01/27/92	12.63	330	20	0.6	0.6	48
	04/20/92	10.43	2,700	130	3.4	3.4	690
	07/17/92	12.61	490	17	<0.5	<0.5	52
	10/29/92	---	---	---	---	---	---
	01/20/93	9.42	---	---	---	---	---
	05/03/93	---	---	---	---	---	---
	07/28/93	10.48	---	---	---	---	---
	10/27/93	11.32	240	3.6	11	<0.5	23
	03/31/94	9.45	530	23	10	1.2	120
	06/08/94	9.93	990	15	42	1.5	89
C-2	06/06/89	---	130,000	14,000	3,400	28,000	24,000
	12/08/89	13.44	---	---	---	---	---
	09/07/90	14.28	---	---	---	---	---
	12/20/90	14.06	---	---	---	---	---
	03/15/91	11.59	1,200,000	4,700	13,000	16,000	140,000
	06/28/91	12.55	150,000	3,500	2,100	4,200	16,000
	09/26/91	14.20	4,900	220	130	290	880
	01/27/92	12.46	8,200	510	230	590	1,300
	04/20/92	10.24	19,000	1,700	930	1,700	4,700
	07/17/92	12.81	20,000	950	1,300	950	4,700
	10/29/92	---	---	---	---	---	---
	01/20/93	8.79	---	---	---	---	---
	05/03/93	---	---	---	---	---	---
	07/28/93	---	---	---	---	---	---
	10/27/93	12.36	1,600	63	5.9	5.8	190
	03/31/94	9.62	12,000	300	510	96	2,700
	06/08/94	9.98	8,700	140	250	35	1,500
C-3	06/06/89	---	2,600	63	390	20	370
	12/08/89	---	680	6.0	31	1.0	58
C-3	09/07/90	15.31	490	6.0	41	<0.5	120

-- Table 2 continues on next page --

Table 2. Analytic Results for Ground Water, Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	B	E	T	X
			<----------parts per billion (µg/l)---------->				
	09/07/90[dup]	15.31	460	6.0	40	<0.5	110
	12/20/90	15.17	100	5.0	27	<0.5	130
	03/06/91	13.27	1,300	7.0	75	<0.5	250
	03/06/91[dup]	13.27	1,400	8.0	76	<0.5	250
	06/28/91	13.67	770	6.0	81	<0.5	71
	06/28/91[dup]	13.67	990	5.5	86	<0.5	75
	09/26/91	15.32	1,400	7.9	98	<0.5	340
	01/27/92	13.91	150	0.7	12	<0.5	12
	04/20/92	11.66	1,600	9.3	190	1.0	370
	07/17/92	13.96	460	18	20	<0.5	52
	10/29/92	15.51	520	2.4	30	1.0	79
	01/20/93	10.99	4,200	7.4	140	<0.5	380
	05/03/93	10.97	1,300	6.8	71	3.2	170
	07/28/93	12.41	220	1.4	17	<0.5	39
	10/27/93	13.37	1,800	5.5	68	0.7	290
	03/31/94	11.56	310	1.2	19	<0.5	54
	06/08/94	12.07	300	2.7	19	1.6	48
C-4	06/06/89	---	<50	<0.05	<1.0	<1.0	<3.0
	12/08/89	---	<500	<0.5	<0.5	<0.5	<0.5
	09/07/90	15.58	<50	<0.5	<0.5	<0.5	<0.5
	12/20/90	15.42	170	1.0	<0.5	<0.5	4.0
	03/06/91	13.54	<50	<0.5	<0.5	<0.5	<0.5
	06/28/91	13.93	<50	<0.5	<0.5	<0.5	<0.8
	09/26/91	15.64	<50	<0.5	<0.5	<0.5	<0.5
	09/26/91[dup]	15.64	<50	<0.5	<0.5	<0.5	
	01/27/92	13.96	<50	<0.5	<0.5	<0.5	<0.5
	04/20/92	11.71	<50	<0.5	<0.5	<0.5	<0.5
	07/17/92	14.19	<50	<0.5	<0.5	<0.5	<0.5
	10/29/92	15.72	<50	<0.5	<0.5	<0.5	<0.5
	01/20/93	11.17	<50	<0.5	<0.5	<0.5	<0.5
	05/03/93	10.94	<50	<0.5	<0.5	<0.5	<0.5
	07/28/93	12.40	<50	<0.5	<0.5	<0.5	<1.5
	10/27/93	13.32	<50	<0.5	<0.5	<0.5	<1.5
	03/31/94[a]	---	---	---	---	---	---
	06/08/94	11.92	<50	<0.5	<0.5	<0.5	<0.5
C-5	06/06/89	---	<50	<0.05	<1.0	<0.05	<3.0
	12/08/89	---	<500	<0.5	<0.5	<0.5	<0.5

-- Table 2 continues on next page --

Table 2. Analytic Results for Ground Water, Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	B	E	T	X
			<----------parts per billion (µg/l)---------->				
	09/07/90	15.10	<50	<0.5	<0.5	<0.5	<0.5
	12/20/90	14.94	80	<0.5	<0.5	<0.5	<0.5
	03/06/91	13.06	<50	<0.5	<0.5	<0.5	<0.5
	06/28/91	13.46	<50	<0.5	<0.5	<0.5	<0.5
	09/26/91	15.14	<50	<0.5	<0.5	<0.5	<0.5
	01/27/92	13.31	<50	<0.5	<0.5	<0.5	<0.5
	04/20/92	11.10	<50	<0.5	<0.5	<0.5	<0.5
	07/17/92	13.73	<50	<0.5	<0.5	<0.5	<0.5
	10/29/92	15.20	<50	<0.5	<0.5	<0.5	<0.5
	01/20/93	10.72	<50	<0.5	<0.5	<0.5	<0.5
	05/03/93	10.43	<50	<0.5	<0.5	<0.5	<1.5
	07/28/93	11.81	<50	<0.5	<0.5	<0.5	<1.5
	10/27/93	12.68	<50	<0.5	<0.5	<0.5	<1.5
	03/31/94	11.00	<50	<0.5	<0.5	<0.5	<0.5
	06/08/94	11.26	<50	<0.5	<0.5	<0.5	<0.5
C-6	12/08/89	---	<500	<0.5	<0.5	<0.5	<0.5
	09/07/90	16.83	57	<0.5	0.6	<0.5	4.0
	12/20/90	16.66	<50	<0.5	<0.5	<0.5	<0.5
	03/06/91	14.80	<50	<0.5	<0.5	<0.5	<0.5
	06/28/91	15.16	<50	<0.5	<0.5	<0.5	<0.5
	09/26/91	16.82	<50	<0.5	<0.5	<0.5	<0.5
	01/27/92	15.44	<50	<0.5	<0.5	<0.5	<0.5
	04/20/92	13.17	<50	<0.5	<0.5	<0.5	<0.5
	07/17/92	15.44	<50	<0.5	<0.5	<0.5	<0.5
	10/29/92	16.98	<50	<0.5	<0.5	<0.5	<0.5
	01/20/93	12.47	<50	<0.5	<0.5	<0.5	<0.5
	05/03/93	12.47	<50	<0.5	<0.5	<0.5	<0.5
	07/28/93	13.86	<50	<0.5	<0.5	<0.5	<1.5
	10/27/93	14.85	<50	<0.5	<0.5	<0.5	<1.5
	03/31/94	13.00	<50	<0.5	<0.5	<0.5	<0.5
	06/08/94	13.44	<50	<0.5	<0.5	<0.5	<0.5
C-7	12/08/89	---	1,700	32	17	12	150
	09/07/90	13.02	880	84	46	23	180
	12/20/90	12.28	560	24	19	3.0	21
C-7	03/06/91	16.92	240	25	4.0	2.0	26
	06/28/91	11.31	2,400	130	82	13	220
	09/26/91	12.28	8,100	47	350	35	1,200

-- Table 2 continues on next page --

Table 2. Analytic Results for Ground Water, Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	B	E	T	X
			<----------parts per billion (µg/l)---------->				
	01/27/92	11.43	12,000	170	420	40	830
	04/20/92	9.28	1,200	80	90	11	110
	07/17/92	11.49	2,400	20	95	7.4	200
	10/29/92	13.05	69	1.3	3.8	<0.5	7.2
	01/20/93	8.69	<50	<0.5	<0.5	<0.5	<0.5
	05/03/93	8.68	2,400	29	140	8.6	210
	07/28/93	9.99	3,600	38	290	16	920
	10/27/93	10.72	22,000	23	990	26	2,600
	03/31/94	9.11	2,300	45	130	7.0	190
	06/08/94	9.22	6,900	46	380	11	820
C-8	12/08/89	---	4,800	62	95	11	180
	09/07/90	14.32	3,700	170	180	31	270
	12/20/90	14.20	3,900	120	130	20	180
	03/06/91	14.80	1,200	45	34	6.0	57
	06/28/91	12.65	6,900	180	340	46	640
	09/26/91	14.29	1,400	66	38	9.8	40
	01/27/92	12.60	3,600	100	170	26	260
	04/20/92	10.36	2,600	110	180	32	260
	07/17/92	12.88	1,100	34	35	5.9	52
	10/29/92	14.39	820	29	23	4.8	27
	01/20/93	10.02	6,000	81	200	22	310
	05/03/93	9.75	11,000	75	880	96	2,600
	07/28/93	11.14	2,800	60	92	13	150
	10/27/93	12.01	2,700	49	60	17	90
	03/31/94	10.27	190	8.6	9.1	1.7	11
	06/08/94	10.56	2,800	52	78	110	110
C-9	09/07/90	14.06	<50	<0.5	<0.5	<0.5	<0.5
	12/20/90	14.03	<50	<0.5	<0.5	<0.5	<0.5
	03/06/91	12.12	<50	<0.5	<0.5	<0.5	<0.5
	06/28/91	12.41	<50	<0.5	<0.5	<0.5	<0.5
	09/26/91	14.02	<50	<0.5	<0.5	<0.5	<0.5
	01/27/92	12.53	<50	<0.5	<0.5	<0.5	<0.5
	04/20/92	10.22	<50	<0.5	<0.5	<0.5	<0.5
C-9	07/17/92	12.64	<50	<0.5	<0.5	<0.5	<0.5
	10/29/92	14.20	<50	<0.5	<0.5	<0.5	<0.5
	01/20/93	9.72	<50	<0.5	<0.5	<0.5	<0.5
	05/03/93	9.55	<50	<0.5	<0.5	<0.5	<1.5

-- Table 2 continues on next page --

Table 2. Analytic Results for Ground Water, Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	B	E	T	X
			<----------parts per billion (µg/l)---------->				
	07/28/93	10.98	<50	<0.5	<0.5	<0.5	<1.5
	10/27/93	11.98	<50	<0.5	<0.5	<0.5	<1.5
	03/31/94	10.17	<50	<0.5	<0.5	<0.5	<0.5
	06/08/94	10.53	<50	<0.5	<0.5	<0.5	<0.5
C-10	09/07/90	12.49	<50	<0.5	<0.5	<0.5	<0.5
	12/20/90	12.36	<50	<0.5	<0.5	<0.5	<0.5
	03/06/91	10.45	<50	<0.5	<0.5	0.8	0.8
	06/28/91	10.74	<50	<0.5	<0.5	<0.5	<0.5
	09/26/91	12.42	<50	<0.5	<0.5	<0.5	<0.5
	01/27/92	10.84	<50	<0.5	<0.5	1.3	<0.5
	01/27/92[dup]	10.84	<50	<0.5	<0.5	1.3	<0.5
	04/20/92	8.55	<50	<0.5	<0.5	<0.5	<0.5
	07/17/92	11.02	<50	<0.5	<0.5	<0.5	<0.5
	10/29/92	12.40	<50	<0.5	<0.5	<0.5	<0.5
	01/20/93	8.14	<50	<0.5	<0.5	<0.5	<0.5
	05/03/93	7.92	<50	<0.5	<0.5	<0.5	<1.5
	07/28/93	9.36	<50	<0.5	<0.5	<0.5	<1.5
	10/27/93	10.30	<50	<0.5	<0.5	<0.5	<1.5
	03/31/94	8.45	<50	<0.5	<0.5	<0.5	<0.5
	06/08/94	8.85	<50	<0.5	<0.5	<0.5	<0.5
C-11	09/07/90	12.22	<50	<0.5	<0.5	<0.5	<0.5
	12/20/90	12.08	<50	<0.5	<0.5	<0.5	<0.5
	03/06/91	16.15	<50	<0.5	<0.5	<0.5	<0.5
	06/28/91	10.52	<50	<0.5	<0.5	<0.5	<0.5
	09/26/91	12.20	<50	<0.5	<0.5	<0.5	<0.5
	01/27/92	10.73	<50	<0.5	<0.5	0.8	<0.5
	04/20/92	8.56	<50	<0.5	<0.5	<0.5	<0.5
	07/17/92	10.78	<50	<0.5	<0.5	<0.5	<0.5
	10/29/92	12.07	<50	<0.5	<0.5	<0.5	<0.5
	01/20/93	7.97	<50	<0.5	<0.5	<0.5	<0.5
	05/03/93	7.95	<50	<0.5	<0.5	<0.5	<1.5
	07/28/93	9.31	<50	<0.5	<0.5	<0.5	<1.5
C-11	10/27/93	10.17	<50	<0.5	<0.5	<0.5	<1.5
	03/31/94	8.43	<50	<0.5	<0.5	<0.5	<0.5
	06/08/94	8.76	<50	<0.5	<0.5	<0.5	<0.5
Trip	09/07/90	---	<50	<0.5	<0.5	<0.5	<0.5

-- Table 2 continues on next page --

Table 2. Analytic Results for Ground Water, Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	B	E	T	X
			<----------parts per billion (µg/l)---------->				
Blank	03/06/91	---	<50	<0.5	<0.5	<0.5	<0.5
	06/28/91	---	<50	<0.5	<0.5	<0.5	<0.5
	09/26/91	---	<50	<0.5	<0.5	<0.5	<0.5
	01/27/92	---	<50	<0.5	<0.5	<0.5	<0.5
	04/20/92	---	<50	<0.5	<0.5	<0.5	<0.5
	07/17/92	---	<50	<0.5	<0.5	<0.5	<0.5
	10/29/92	---	<50	<0.5	<0.5	<0.5	<0.5
	01/20/93	---	<50	<0.5	<0.5	<0.5	<0.5
	05/03/93	---	<50	<0.5	<0.5	<0.5	<1.5
	07/28/93	---	<50	<0.5	<0.5	<0.5	<1.5
	10/27/93	---	<50	<0.5	<0.5	<0.5	<1.5
	03/31/94	---	<50	<0.5	<0.5	<0.5	<0.5
	06/08/94	---	<50	<0.5	<0.5	<0.5	<0.5
DTSC MCLs			NE	1.0	680	100[b]	1,750

Abbreviations:

TPH-G = 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
DTSC MCLs = Department of Toxic Substances Control Maximum Contaminant Levels for drinking water
NE = Not established
<n = Not detected at detection limits of n ppb
dup = Duplicate sample
--- = Not analyzed, not measured

Analytical Laboratory:

Superior Precision Analytical, Inc. of San Francisco, California

Notes:

a = Well inaccessible during this sampling event
b = DTSC recommended action level for drinking water; MCL not established

ATTACHMENT A

WATER SAMPLE COLLECTION RECORDS

WEISS ASSOCIATES

WATER SAMPLING DATA

Well Name C-1 Date 6/8/94 Time of Sampling 17:00

Job Name CHEV. SAN LORENZO Job Number 4-551-91 Initials RRM

Sample Point Description M (M = Monitoring Well)

Location

WELL DATA: Depth to Water 9.93 ft (static) pumping) Depth to Product — ft.

Product Thickness — Well Depth 18.63 ft (spec) Well Depth — ft(sounded) Well Diameter 3 in

Initial Height of Water in Casing 8.7 ft. = volume 3.19 gal.

3 Casing Volumes to be Evacuated. Total to be evacuated 10.0 gal.

EVACUATION METHOD: Pump # and type DED. SUB Hose # and type —

Bailer# and type — Dedicated — (Y/N)

Other

Evacuation Time: Stop — — —

Start — — —

Total Evacuation Time — — —

Total Evacuated Prior to Sampling 15.0 gal.

Evacuation Rate gal. per minute

Depth to Water during Evacuation — ft. — time

Depth to Water at Sampling — ft. — time

Evacuated Dry? NO After gal. Time

80% Recovery =

% Recovery at Sample Time — Time —

Formulas/Conversions

r = well radius in ft.

h = ht of water col in ft.

vol. in cyl. = $\pi r^2 h$

7.48 gal/ft^3

V_2" casing = 0.163 gal/ft

V_3" casing = 0.367 gal/ft

V_4" casing = 0.653 gal/ft

$V_{4.5}$" casing = 0.826 gal/ft

V_6" casing = 1.47 gal/ft

V8 casing = 2.61 gal/ft

CHEMICAL DATA: Meter Brand/Number

Calibration: 4.0 7.0 10.0

Measured:	SC/μmhos	pH	T°C	Time	Volume Evacuated (gal.)

N/A

SAMPLE: Color NONE Odor SLIGHT

Description of matter in sample: ASST. MINUTE PARTICLES

Sampling Method: SAMPLE PORT

Sample Port: Rate — gpm Totalizer — 0675765. gal.

Time — 24 SAMP (INITIAL 0675751.4 ↑ 3 EQ VOLS

# of Cont.	Sample ID	Cont. Type[1]	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analytic Method	Turn[5]	LAB
2	C-1	W/V	40ml	N	Y	HCl	EPA 8015/8020	N	SPA

1 Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

WEISS ASSOCIATES

WATER SAMPLING DATA

Well Name C-2 Date 6/8/94 Time of Sampling 17:00

Job Name CHEV. SAN LORENZO Job Number 4-551-91 Initials RRM

Sample Point Description EW (M = Monitoring Well)

Location

WELL DATA: Depth to Water 9.98 ft (static, pumping) Depth to Product ____ ft.

Product Thickness ____ Well Depth 19.62 ft (spec) Well Depth ____ ft(sounded) Well Diameter 3 in

Initial Height of Water in Casing 9.64 ft. = volume 3.54 gal.

3 Casing Volumes to be Evacuated. Total to be evacuated 10.61 gal.

EVACUATION METHOD: Pump # and type GED. SUB Hose # and type ____

Bailer# and type ____ Dedicated ____ (Y/N)

Other ____

Evacuation Time: Stop ____ ____ ____

Start ____ ____ ____

Total Evacuation Time ____

Total Evacuated Prior to Sampling ____ gal.

Evacuation Rate ____ gal. per minute

Depth to Water during Evacuation ____ ft. ____ time

Depth to Water at Sampling ____ ft. ____ time

Evacuated Dry? ____ After ____ gal. Time ____

80% Recovery = ____

% Recovery at Sample Time ____ Time ____

Formulas/Conversions

r = well radius in ft.

h = ht of water col in ft.

vol. in cyl. = $\pi r^2 h$

7.48 gal/ft^3

V_2" casing = 0.163 gal/ft

V_3" casing = 0.367 gal/ft

V_4" casing = 0.653 gal/ft

$V_{4.5}$" casing = 0.826 gal/ft

V_6" casing = 1.47 gal/ft

V8 casing = 2.61 gal/ft

CHEMICAL DATA: Meter Brand/Number ____

Calibration: ____ 4.0 ____ 7.0 ____ 10.0

Measured:	SC/μmhos	pH	T°C	Time	Volume Evacuated (gal.)

SAMPLE: Color NONE Odor SLIGHT

Description of matter in sample: MINUTE PARTICES

Sampling Method: SAMPLE PORT

Sample Port: Rate ____ gpm Totalizer 0480430. gal.

Time B4SAMP(INITIAL) 0480415.2

# of Cont.	Sample ID	Cont. Type[1]	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analytic Method	Turn[5]	LAB
2	C-2	W/V	40ml	N	Y	HCl	EPA 8015/8020	N	SPA

1 Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

WEISS ASSOCIATES

WATER SAMPLING DATA

Well Name C-3 Date 6/8/94 Time of Sampling 13:03

Job Name CHEV. SAN LORENZO Job Number 4-551-91 Initials RRM

Sample Point Description M (M = Monitoring Well)

Location

WELL DATA: Depth to Water 12.07 ft (static, pumping) Depth to Product — ft.

Product Thickness — Well Depth 19.26 ft (spec) Well Depth 19.31 ft(sounded) Well Diameter 3 in

Initial Height of Water in Casing 7.24 ft. = volume 2.66 gal.

3 Casing Volumes to be Evacuated. Total to be evacuated 8.0 gal.

EVACUATION METHOD: Pump # and type — Hose # and type —

Bailer# and type 2 x 3 pvc Dedicated N (Y/N)

Other

Evacuation Time: Stop 13:01

Start 12:56

Total Evacation Time 5 MIN

Total Evacuated Prior to Sampling 8.0 gal.

Evacuation Rate 1.6 gal. per minute

Depth to Water during Evacuation — ft. — time

Depth to Water at Sampling — ft. — time

Evacuated Dry? NO After — gal. Time —

80% Recovery = —

% Recovery at Sample Time — Time —

Formulas/Conversions

r = well radius in ft.

h = ht of water col in ft.

vol. in cyl. = $\pi r^2 h$

7.48 gal/ft^3

V_2" casing = 0.163 gal/ft

V_3" casing = 0.367 gal/ft

V_4" casing = 0.653 gal/ft

$V_{4.5}$" casing = 0.826 gal/ft

V_6" casing = 1.47 gal/ft

V8 casing = 2.61 gal/ft

CHEMICAL DATA: Meter Brand/Number

Calibration: 4.0 7.0 10.0

Measured:	SC/µmhos	pH	T°C	Time	Volume Evacuated (gal.)
	N/A				

SAMPLE: Color NONE Odor SLIGHT

Description of matter in sample: VERY FINE SILT PARTICLES

Sampling Method: DECANT FROM DIS. POLY BAILER

Sample Port: Rate — gpm Totalizer — gal.

Time —

# of Cont.	Sample ID	Cont. Type[1]	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analytic Method	Turn[5]	LAB
2	C-3	W/V	40ml	N	Y	HCl	EPA 8015/8020	N	SPA

1 Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

WEISS ASSOCIATES

WATER SAMPLING DATA

Well Name C-4 Date 6/8/94 Time of Sampling 13:40

Job Name CHEV. SAN LORENZO Job Number 4-551-91 Initials RRM

Sample Point Description M (M = Monitoring Well)

Location

WELL DATA: Depth to Water 11.92 ft (static, pumping) Depth to Product — ft.

Product Thickness — Well Depth 19.93 ft (spec) Well Depth 19.86 ft(sounded) Well Diameter 3 in

Initial Height of Water in Casing 7.94 ft. = volume 2.91 gal.

3 Casing Volumes to be Evacuated. Total to be evacuated 8.74 gal.

EVACUATION METHOD: Pump # and type — Hose # and type —

Bailer# and type 2x3 PVC Dedicated N (Y/N)

Other —

Evacuation Time: Stop 13:37

Start 13:30

Total Evacation Time 7 MIN

Total Evacuated Prior to Sampling 9.0 gal.

Evacuation Rate 1.29 gal. per minute

Depth to Water during Evacuation — ft. — time

Depth to Water at Sampling — ft. — time

Evacuated Dry? NO After — gal. Time —

80% Recovery = —

% Recovery at Sample Time — Time —

Formulas/Conversions

r = well radius in ft.

h = ht of water col in ft.

vol. in cyl. = $\pi r^2 h$

7.48 gal/ft^3

V_2" casing = 0.163 gal/ft

V_3" casing = 0.367 gal/ft

V_4" casing = 0.653 gal/ft

$V_{4.5}$" casing = 0.826 gal/ft

V_6" casing = 1.47 gal/ft

V8 casing = 2.61 gal/ft

CHEMICAL DATA: Meter Brand/Number

Calibration: 4.0 7.0 10.0

Measured:	SC/µmhos	pH	T°C	Time	Volume Evacuated (gal.)

N/A

SAMPLE: Color SLIGHT TAN Odor N.D.

Description of matter in sample: VERY FINE SILT

Sampling Method: DECANT FROM DISPOS BAILER

Sample Port: Rate — gpm Totalizer — gal.

Time —

# of Cont.	Sample ID	Cont. Type[1]	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analytic Method	Turn[5]	LAB
2	C-4	W/V	40ml	N	Y	HCl	EPA 8015/8020	N	SPA

1 Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

WEISS ASSOCIATES

WATER SAMPLING DATA

Well Name C-5 Date 6/8/94 Time of Sampling 14:08

Job Name CHEV. SAN LORENZO Job Number 4-551-91 Initials RRM

Sample Point Description M (M = Monitoring Well)

Location

WELL DATA: Depth to Water 11.26 ft (static, pumping) Depth to Product — ft.

Product Thickness — Well Depth 18.73 ft (spec) Well Depth 18.76 ft(sounded) Well Diameter 3 in

Initial Height of Water in Casing 7.5 ft. = volume 2.75 gal.

3 Casing Volumes to be Evacuated. Total to be evacuated 8.26 gal.

EVACUATION METHOD: Pump # and type — Hose # and type —

Bailer# and type 2x3 pvc Dedicated N (Y/N)

Other

Evacuation Time: Stop 14:04

Start 13:54

Total Evacation Time 10 MIN

Total Evacuated Prior to Sampling 8.50 gal.

Evacuation Rate 0.85 gal. per minute

Depth to Water during Evacuation — ft. — time

Depth to Water at Sampling — ft. — time

Evacuated Dry? NO After — gal. Time —

80% Recovery = —

% Recovery at Sample Time — Time —

Formulas/Conversions

r = well radius in ft.

h = ht of water col in ft.

vol. in cyl. = $\pi r^2 h$

7.48 gal/ft^3

V_2" casing = 0.163 gal/ft

V_3" casing = 0.367 gal/ft

V_4" casing = 0.653 gal/ft

$V_{4.5}$" casing = 0.826 gal/ft

V_6" casing = 1.47 gal/ft

V8 casing = 2.61 gal/ft

CHEMICAL DATA: Meter Brand/Number

Calibration: 4.0 7.0 10.0

Measured:	SC/μmhos	pH	T°C	Time	Volume Evacuated (gal.)
N/A					

SAMPLE: Color TAN COLOR Odor N.D.

Description of matter in sample: 1/8 BOTTLE OF FINE SILT

Sampling Method: DECANT FROM DIS POLY BAILER

Sample Port: Rate — gpm Totalizer — gal.

Time —

# of Cont.	Sample ID	Cont. Type[1]	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analytic Method	Turn[5]	LAB
2	C-5	W/V	40ml	N	Y	HCl	EPA 8015/8020	N	SPA

1 Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

WEISS ASSOCIATES

WATER SAMPLING DATA

Well Name C-6 Date 6/8/94 Time of Sampling 13:23

Job Name CHEV. SAN LORENZO Job Number 4-551-91 Initials RRM

Sample Point Description M (M = Monitoring Well)

Location

WELL DATA: Depth to Water 13.44 ft (static) pumping) Depth to Product — ft.

Product Thickness — Well Depth 24.17 ft (spec) Well Depth 24.18 ft(sounded) Well Diameter 2 in

Initial Height of Water in Casing 10.74 ft. = volume 1.75 gal.

3 Casing Volumes to be Evacuated. Total to be evacuated 5.25 gal.

EVACUATION METHOD: Pump # and type — Hose # and type —

Bailer# and type 1/2 x 24 Dedicated N (Y/N)

Other

Evacuation Time: Stop 13:20

Start 13:10

Total Evacation Time 20 MIN

Total Evacuated Prior to Sampling 5.50 gal.

Evacuation Rate 0.28 gal. per minute

Depth to Water during Evacuation — ft. — time

Depth to Water at Sampling — ft. — time

Evacuated Dry? NO After — gal. Time —

80% Recovery = —

% Recovery at Sample Time — Time —

Formulas/Conversions

r = well radius in ft.

h = ht of water col in ft.

vol in cyl. = $\pi r^2 h$

7.48 gal/ft^3

V_2" casing = 0.163 gal/ft

V_3" casing = 0.367 gal/ft

V_4" casing = 0.653 gal/ft

$V_{4.5}$" casing = 0.826 gal/ft

V_6" casing = 1.47 gal/ft

V8 casing = 2.61 gal/ft

CHEMICAL DATA: Meter Brand/Number

Calibration: 4.0 7.0 10.0

Measured:	SC/μmhos	pH	T°C	Time	Volume Evacuated (gal.)

N/A

SAMPLE: Color NONE Odor N.D.

Description of matter in sample: SMALL AMOUNT OF SILT

Sampling Method: DECANT FROM DISPOSABLE BAILER

Sample Port: Rate — gpm Totalizer — gal.

Time —

# of Cont.	Sample ID	Cont. Type[1]	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analytic Method	Turn[5]	LAB
2	C-6	W/V	40ml	N	Y	HCl	EPA 8015/8020	N	SPA

1 Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

WEISS ASSOCIATES

WATER SAMPLING DATA

Well Name C-7 Date 6/8/94 Time of Sampling 12:35

Job Name CHEV. SAN LORENZO Job Number 4-551-91 Initials RRM

Sample Point Description M (M = Monitoring Well)

Location

WELL DATA: Depth to Water 9.22 ft (static) pumping) Depth to Product — ft.

Product Thickness — Well Depth 24.77 ft (spec) Well Depth 24.8 ft(sounded) Well Diameter 2 in

Initial Height of Water in Casing 15.59 ft. = volume 2.54 gal.

3 Casing Volumes to be Evacuated. Total to be evacuated 7.62 gal.

EVACUATION METHOD: Pump # and type — Hose # and type —

Bailer# and type 1/2" PVC Dedicated N (Y/N)

Other

Evacuation Time: Stop 12:31

Start 12:20

Total Evacation Time 11 MIN

Total Evacuated Prior to Sampling 8.0 gal.

Evacuation Rate 0.73 gal. per minute

Depth to Water during Evacuation — ft. — time

Depth to Water at Sampling — ft. — time

Evacuated Dry? NO After — gal. Time

80% Recovery = —

% Recovery at Sample Time — Time —

Formulas/Conversions

r = well radius in ft.

h = ht of water col in ft.

vol. in cyl. = $\pi r^2 h$

7.48 gal/ft^3

V_2" casing = 0.163 gal/ft

V_3" casing = 0.367 gal/ft

V_4" casing = 0.653 gal/ft

$V_{4.5}$" casing = 0.826 gal/ft

V_6" casing = 1.47 gal/ft

V8 casing = 2.61 gal/ft

CHEMICAL DATA: Meter Brand/Number

Calibration: 4.0 7.0 10.0

Measured:	SC/μmhos	pH	T°C	Time	Volume Evacuated (gal.)

N/A

SAMPLE: Color VERY SLIGHT GRAY SHADE, Odor SLIGHT

Description of matter in sample: VERY FINE SILT ~~SAND~~ PARTICLES

Sampling Method: DECANT FROM DS POLY BAILER

Sample Port: Rate — gpm Totalizer — gal.

Time —

# of Cont.	Sample ID	Cont. Type[1]	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analytic Method	Turn[5]	LAB
2	C-7	W/V	40ml	N	Y	HCl	EPA 8015/8020	N	SPA

1 Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

WEISS ASSOCIATES

WATER SAMPLING DATA

Well Name C-8 Date 6/8/94 Time of Sampling 12:05

Job Name CHEV. SAN LORENZO Job Number 4-551-91 Initials RRM

Sample Point Description M (M = Monitoring Well)

Location

WELL DATA: Depth to Water 10.56 ft (static, pumping) Depth to Product — ft.

Product Thickness — Well Depth 24.83 ft (spec) Well Depth 24.83 ft (sounded) Well Diameter 2 in

Initial Height of Water in Casing 14.27 ft. = volume 2.33 gal.

3 Casing Volumes to be Evacuated. Total to be evacuated 7.0 gal.

EVACUATION METHOD: Pump # and type — Hose # and type —

Bailer# and type 1"x2" PVC Dedicated N (Y/N)

Other

Evacuation Time: Stop 12:00

Start 11:50

Total Evacation Time 10 MIN

Total Evacuated Prior to Sampling 7.0 gal.

Evacuation Rate 0.7 gal. per minute

Depth to Water during Evacuation — ft. — time

Depth to Water at Sampling — ft. — time

Evacuated Dry? NO After — gal. Time —

80% Recovery = —

% Recovery at Sample Time — Time —

Formulas/Conversions

r = well radius in ft.

h = ht of water col in ft.

vol. in cyl. = $\pi r^2 h$

7.48 gal/ft^3

V_2" casing = 0.163 gal/ft

V_3" casing = 0.367 gal/ft

V_4" casing = 0.653 gal/ft

$V_{4.5}$" casing = 0.826 gal/ft

V_6" casing = 1.47 gal/ft

V8 casing = 2.61 gal/ft

CHEMICAL DATA: Meter Brand/Number

Calibration: 4.0 7.0 10.0

Measured:	SC/µmhos	pH	T°C	Time	Volume Evacuated (gal.)
	N/A				

SAMPLE: Color SLIGHT GREY TINGE, Odor SLIGHT

Description of matter in sample: VERY FINE SEDIMENT, OPAQUE IN COLOR

Sampling Method: DECANT FROM DIS. POLY BAILER

Sample Port: Rate — gpm Totalizer — gal.

Time —

# of Cont.	Sample ID	Cont. Type[1]	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analytic Method	Turn[5]	LAB
2	C-8	w/v	40 ml	N	Y	HCl	EPA 8015/8020	N	SPA

1 Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

WEISS ASSOCIATES

WATER SAMPLING DATA

Well Name C-9 Date 6/8/94 Time of Sampling 16:07

Job Name CHEV. SAN LORENZO Job Number 4-551-91 Initials RRM

Sample Point Description M (M = Monitoring Well)

Location

WELL DATA: Depth to Water 10.53 ft (static) pumping) Depth to Product — ft.

Product Thickness — Well Depth 24.84 ft (spec) Well Depth 24.60 ft(sounded) Well Diameter 2 in

Initial Height of Water in Casing 14.07 ft. = volume 2.29 gal.

3 Casing Volumes to be Evacuated. Total to be evacuated 6.88 gal.

EVACUATION METHOD: Pump # and type — Hose # and type

Bailer# and type 1½x2 PVC Dedicated N (Y/N)

Other

Evacuation Time: Stop 16:03

Start 15:48

Total Evacation Time 15 MIN

Total Evacuated Prior to Sampling 7.0 gal.

Evacuation Rate 0.46 gal. per minute

Depth to Water during Evacuation — ft. — time

Depth to Water at Sampling — ft. — time

Evacuated Dry? NO After — gal. Time —

80% Recovery = —

% Recovery at Sample Time — Time —

Formulas/Conversions

r = well radius in ft.

h = ht of water col in ft.

vol. in cyl. = $\pi r^2 h$

7.48 gal/ft^3

V_2" casing = 0.163 gal/ft

V_3" casing = 0.367 gal/ft

V_4" casing = 0.653 gal/ft

$V_{4.5}$" casing = 0.826 gal/ft

V_6" casing = 1.47 gal/ft

V8 casing = 2.61 gal/ft

CHEMICAL DATA: Meter Brand/Number

Calibration: 4.0 7.0 10.0

Measured:	SC/µmhos	pH	T°C	Time	Volume Evacuated (gal.)

N/A

SAMPLE: Color SLIGHT TAN Odor N.D.

Description of matter in sample: VERY FINE TAN COLORED SILT

Sampling Method: DECANT FROM DIS POLY BAILER

Sample Port: Rate — gpm Totalizer — gal.

Time —

# of Cont.	Sample ID	Cont. Type[1]	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analytic Method	Turn[5]	LAB
2	C-9	W/V	40ml	N	Y	HCl	EPA 8015/8020	N	SPA

1 Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

WEISS ASSOCIATES

WATER SAMPLING DATA

Well Name C-10 Date 6/8/94 Time of Sampling 15:10

Job Name CHEV. SAN LORENZO Job Number 4-551-91 Initials RRH

Sample Point Description M (M = Monitoring Well)

Location

WELL DATA: Depth to Water 8.85 ft (static, pumping) Depth to Product — ft.

Product Thickness — Well Depth 24.61 ft (spec) Well Depth 24.63 ft (sounded) Well Diameter 2 in

Initial Height of Water in Casing 15.78 ft. = volume 2.57 gal.

3 Casing Volumes to be Evacuated. Total to be evacuated 7.72 gal.

EVACUATION METHOD: Pump # and type — Hose # and type —

Bailer# and type 1"x2' PVC Dedicated N (Y/N)

Other

Evacuation Time: Stop 15:06

Start 14:55

Total Evacation Time 11 MIN

Total Evacuated Prior to Sampling 8.0 gal.

Evacuation Rate 0.73 gal. per minute

Depth to Water during Evacuation — ft. — time

Depth to Water at Sampling — ft. — time

Evacuated Dry? NO After — gal. Time —

80% Recovery = —

% Recovery at Sample Time — Time —

Formulas/Conversions

r = well radius in ft.

h = ht of water col in ft.

vol. in cyl. = $\pi r^2 h$

7.48 gal/ft^3

V_2" casing = 0.163 gal/ft

V_3" casing = 0.367 gal/ft

V_4" casing = 0.653 gal/ft

$V_{4.5}$" casing = 0.826 gal/ft

V_6" casing = 1.47 gal/ft

V8 casing = 2.61 gal/ft

CHEMICAL DATA: Meter Brand/Number

Calibration: 4.0 7.0 10.0

Measured:	SC/µmhos	pH	T°C	Time	Volume Evacuated (gal.)
	N/A				

SAMPLE: Color SLIGHT TAN, Odor N.D.

Description of matter in sample: FINE SILT

Sampling Method: DECANT FROM DIS POLY BAILER

Sample Port: Rate — gpm Totalizer — gal.

Time —

# of Cont.	Sample ID	Cont. Type[1]	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analytic Method	Turn[5]	LAB
2	C-10	W/V	40ml	N	Y	HCl	EPA 8015/8020	N	SPA

1 Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

WEISS ASSOCIATES

WATER SAMPLING DATA

Well Name C-11 Date 6/8/94 Time of Sampling 15:41

Job Name CHEV. SAN LORENZO Job Number 4-551-91 Initials RRM

Sample Point Description M (M = Monitoring Well)

Location

WELL DATA: Depth to Water 8.76 ft (static, pumping) Depth to Product — ft.

Product Thickness — Well Depth 24.68 ft (spec) Well Depth 24.67 ft (sounded) Well Diameter 2 in

Initial Height of Water in Casing 15.91 ft. = volume 2.59 gal.

3 Casing Volumes to be Evacuated. Total to be evacuated 7.78 gal.

EVACUATION METHOD: Pump # and type — Hose # and type —

Bailer# and type TEFLON Dedicated N (Y/N)

Other

Evacuation Time: Stop 15:37

Start 15:23

Total Evacation Time 14 MIN

Total Evacuated Prior to Sampling 8.0 gal.

Evacuation Rate 0.57 gal. per minute

Depth to Water during Evacuation — ft. — time

Depth to Water at Sampling — ft. — time

Evacuated Dry? NO After — gal. Time —

80% Recovery = —

% Recovery at Sample Time — Time —

Formulas/Conversions

r = well radius in ft.

h = ht of water col in ft.

vol. in cyl. = $\pi r^2 h$

7.48 gal/ft^3

V_2" casing = 0.163 gal/ft

V_3" casing = 0.367 gal/ft

V_4" casing = 0.653 gal/ft

$V_{4.5}$" casing = 0.826 gal/ft

V_6" casing = 1.47 gal/ft

V8 casing = 2.61 gal/ft

CHEMICAL DATA: Meter Brand/Number

Calibration: 4.0 7.0 10.0

Measured:	SC/µmhos	pH	T°C	Time	Volume Evacuated (gal.)

N/A

SAMPLE: Color SLIGHT TAN. Odor N.D

Description of matter in sample: FINE SILT.

Sampling Method: DECANT FROM DIS. TFLN BAILER

Sample Port: Rate — gpm Totalizer — gal.

Time —

# of Cont.	Sample ID	Cont. Type[1]	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analytic Method	Turn[5]	LAB
2	C-11	W/V	40ml	N	Y	HCl	EPA 8015/8020	N	SPA

1 Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

WEISS ASSOCIATES

WATER SAMPLING DATA

Well Name TRIP BLANKS Date 6/8 Time of Sampling 9:00

Job Name CHEV. SAN LORENZO Job Number 4-551-91 Initials RRM

Sample Point Description _____ (M = Monitoring Well)

Location _____

WELL DATA: Depth to Water _____ ft (static, pumping) Depth to Product _____ ft.

Product Thickness _____ Well Depth _____ ft (spec) Well Depth _____ ft(sounded) Well Diameter _____ in

Initial Height of Water in Casing _____ ft. = volume _____ gal.

_____ Casing Volumes to be Evacuated. Total to be evacuated _____ gal.

EVACUATION METHOD: Pump # and type _____ Hose # and type _____

Bailer # and type _____ Dedicated _____ (Y/N)

Other _____

Evacuation Time: Stop _____ _____ _____

Start _____ _____ _____

Total Evacation Time _____

Total Evacuated Prior to Sampling _____ gal.

Evacuation Rate _____ gal. per minute

Depth to Water during Evacuation _____ ft _____ time

Depth to Water at Sampling _____ ft. _____ time

Evacuated Dry? _____ After _____ gal. Time _____

80% Recovery = _____

% Recovery at Sample Time _____ Time _____

Formulas/Conversions

r = well radius in ft.

h = ht of water col in ft.

vol. in cyl. = $\pi r^2 h$

7.48 gal/ft^3

V_2" casing = 0.163 gal/ft

V_3" casing = 0.367 gal/ft

V_4" casing = 0.653 gal/ft

$V_{4.5}$" casing = 0.826 gal/ft

V_6" casing = 1.47 gal/ft

V8 casing = 2.61 gal/ft

CHEMICAL DATA: Meter Brand/Number _____

Calibration: _____ 4.0 _____ 7.0 _____ 10.0

Measured:	SC/μmhos	pH	T°C	Time	Volume Evacuated (gal.)

SAMPLE: Color _____ Odor _____

Description of matter in sample: _____

Sampling Method: _____

Sample Port: Rate ____ gpm Totalizer _____ gal.

Time

# of Cont.	Sample ID	Cont. Type[1]	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analytic Method	Turn[5]	LAB
2	TB-LB	W/V	40ml	N	Y	HCl	EPA 8015/8020	N	SPA

1 Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

ATTACHMENT B

ANALYTIC REPORT AND CHAIN-OF-CUSTODY FORMS

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

Weiss Associates
Attn: Patricia-Anne Dresser

Project 4-551-91
Reported 06/20/94

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
15586- 1	C-1	06/08/94	06/18/94	Water
15586- 2	C-2	06/08/94	06/19/94	Water
15586- 3	C-3	06/08/94	06/18/94	Water
15586- 4	C-4	06/08/94	06/19/94	Water
15586- 5	C-5	06/08/94	06/18/94	Water
15586- 6	C-6	06/08/94	06/18/94	Water
15586- 7	C-7	06/08/94	06/18/94	Water
15586- 8	C-8	06/08/94	06/18/94	Water
15586- 9	C-9	06/08/94	06/18/94	Water
15586-10	C-10	06/08/94	06/19/94	Water

RESULTS OF ANALYSIS

Laboratory Number:	15586- 1	15586- 2	15586- 3	15586- 4	15586- 5
Gasoline_Range:	990	8700	300	ND<50	ND<50
Benzene:	15	140	2.7	ND<0.5	ND<0.5
Toluene:	1.5	35	1.6	ND<0.5	ND<0.5
Ethyl Benzene:	42	250	19	ND<0.5	ND<0.5
Total Xylenes:	89	1500	48	ND<0.5	ND<0.5
Concentration:	ug/L	ug/L	ug/L	ug/L	ug/L

Laboratory Number:	15586- 6	15586- 7	15586- 8	15586- 9	15586-10
Gasoline_Range:	ND<50	6900	2800	ND<50	ND<50
Benzene:	ND<0.5	46	52	ND<0.5	ND<0.5
Toluene:	ND<0.5	11	110	ND<0.5	ND<0.5
Ethyl Benzene:	ND<0.5	380	78	ND<0.5	ND<0.5
Total Xylenes:	ND<0.5	820	110	ND<0.5	ND<0.5
Concentration:	ug/L	ug/L	ug/L	ug/L	ug/L

Certified Laboratories
1555 Burke St., Unit 1 ▪ San Francisco, California 94124 ▪ (415) 647-2081 / fax (415) 821-7123

Weiss Associates
Attn: Patricia-Anne Dresser

Project 4-551-91
Reported 06/20/94

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
15586-11	C-11	06/08/94	06/19/94	Water
15586-12	TB-LB	06/08/94	06/19/94	Water

RESULTS OF ANALYSIS

Laboratory Number:	15586-11	15586-12
Gasoline_Range:	ND<50	ND<50
Benzene:	ND<0.5	ND<0.5
Toluene:	ND<0.5	ND<0.5
Ethyl Benzene:	ND<0.5	ND<0.5
Total Xylenes:	ND<0.5	ND<0.5
Concentration:	ug/L	ug/L

Certified Laboratories
1555 Burke St., Unit 1 ▪ San Francisco, California 94124 ▪ (415) 647-2081 / fax (415) 821-7123

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 15586

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
ug/L = parts per billion (ppb)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Water: 5000ug/L

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Water: 50ug/L

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Water: 50ug/L

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Water: 0.5ug/L

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline Range:	96/100	4%	61-134
Benzene:	75/79	5%	60-135
Toluene:	85/89	5%	60-135
Ethyl Benzene:	80/84	5%	60-135
Total Xylenes:	86/90	5%	60-135

Cecilia G Joaquin 6/21/94
Senior Chemist
Account Manager

Fax copy of Lab Report and COC to Chevron Contact. [illegible] Chain of Custody Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number 9-0504
Facility Address 15900 HESPERIAN BLVD., SAN LORENZO
Consultant Project Number 4-551-91
Consultant Name WEISS ASSOCIATES
Address 5500 SHELLMOUND ST., EMERYVILLE, CA 94608
Project Contact (Name) DEBORAH UNDERWOOD
(Phone) (510) 450-6000 (Fax Number) (510) 547-5043

Chevron Contact (Name) MARK MILLER
(Phone) (510) 842-8134
Laboratory Name SUPERIOR PRECISION ANALYTICAL
Laboratory Release Number 7583810
Samples Collected by (Name) RUDY R. MARQUEZ
Collection Date 6/8/94
Signature Rudy R. Marquez

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)						Remarks
C-1		2	W	G	17:00	HCL	Y	X													
C-2					17:00																
C-3					13:03																
C-4					13:40																
C-5					14:08																
C-6					13:23																
C-7					12:35																
C-8					12:05																
C-9					16:07																
C-10					15:10																
C-11					15:41																
TB-LB					9:00																

Lab use only:
Samples Stored in Ice. ✓ 10
Appropriate containers. ✓
Samples preserved. ✓
VOA's without headspace. ✓
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Rudy R Marquez	W.A.	6/9/94 19:00		AERO	06-13-94
	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
					10:07
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
				STAT	6/13/94 1000

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

* LOCKED IN SECURE AREA