0.3

Chevron

Chevron U.S.A. Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing – Northwest Region
Phone 510 842 9500

October 11, 1995

Ms. Eva Chu
Alameda Co. Dept. of Environmental Health
1131 Harbor Bay Pkwy, 2nd Floor
Alameda, CA 94502-6577

Re : Former Chevron Service Station 9-7127
Interstate 580 & Grantline Rd.

Dear Ms. Chu :

The enclosed report from Gettler-Ryan dated September 27, 1995 documents the results of the August 15, 1995 monitoring and sampling event. In addition, the report documents the monthly water level measurements that were taken on June 7th and July 21st. Results from the three monitoring event show groundwater moving to the east which contradicts previous monitoring data. Because of this, Pacific Environmental Group (Pacific) was instructed by Chevron to investigate this change. Results from Pacific investigation will be distributed to all concerned parties. Results on the groundwater sampling show levels declining or remaining relatively the same as the previous quarter. Next quarter, Gettler-Ryan will monitor and sample the supply well for TPH-G and BTEX.

Pacific has informed Chevron that they plan to install the three additional wells this Thursday and Friday (October 12 & 13). Once the results of this investigation are known, a consultant will evaluate the results and determine the best remedial approach for this site.

If you have any questions or comments, please give me a call at (510) 842-8752.

Sincerely,
Chevron U.S.A. Products Co.

Kenneth Kan
Engineer

LKAN/97127R03

Enclosure

cc : Person in Charge of Tracy (Alameda Co.)
RWQCB-Central Valley Region
3443 Routier Rd.
Sacramento, CA 95827-3098

William Carnazzo, M.D.
Carnazzo Land Company, Inc.
P.O. Box 6031
Atascadero, CA 93423

95 OCT 13 PM 2:37

cc : Mr. & Mrs. Joe Jess
Jess Ranch
Route 5, Box 704-A
Tracy, CA 95376

Ms. Bette Owen
Chevron U.S.A. Products Co.

Ms. Argy Leyton (w/o enclosure)
Gettler-Ryan, Inc.
6747 Sierra Ct., Suite J
Dublin, CA 94568

Mr. Dave Reinsma
Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110

GETTLER-RYAN INC.

September 27, 1995

Kenneth Kan
Chevron USA Products Company
P.O. Box 5004
San Ramon, CA 94583

Re: Former Chevron Service Station #9-7127
Interstate 580 and Grant Line Road
Tracy, CA
Job #5251.80

Dear Mr. Kan:

This report documents the quarterly groundwater sampling event performed by Gettler-Ryan, Inc. (G-R). On August 15, 1995, field personnel were on-site to gauge and sample five wells (MW-1 Through MW-5) at Former Chevron Service Station #9-7127 located at Interstate 580 and Grant Line Road in Altamont Pass, California.

Static groundwater levels were measured on June 7, July 21, and August 15, 1995. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were present in well MW-1 during the July 21, 1995, visit. Static water level data and groundwater elevations are presented in Table 1. Potentiometric maps are included as Figures 1, 2 and 3.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Quarterly Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by Groundwater Technologies Environmental Laboratories, Inc. Analytic results are presented in Table 1. The chain of custody document and laboratory analytic report are attached. G-R is not responsible for laboratory omissions or errors.

Thank you for allowing Gettler-Ryan to provide environmental services to Chevron. Please call if you have any questions or comments regarding this report.

Sincerely,

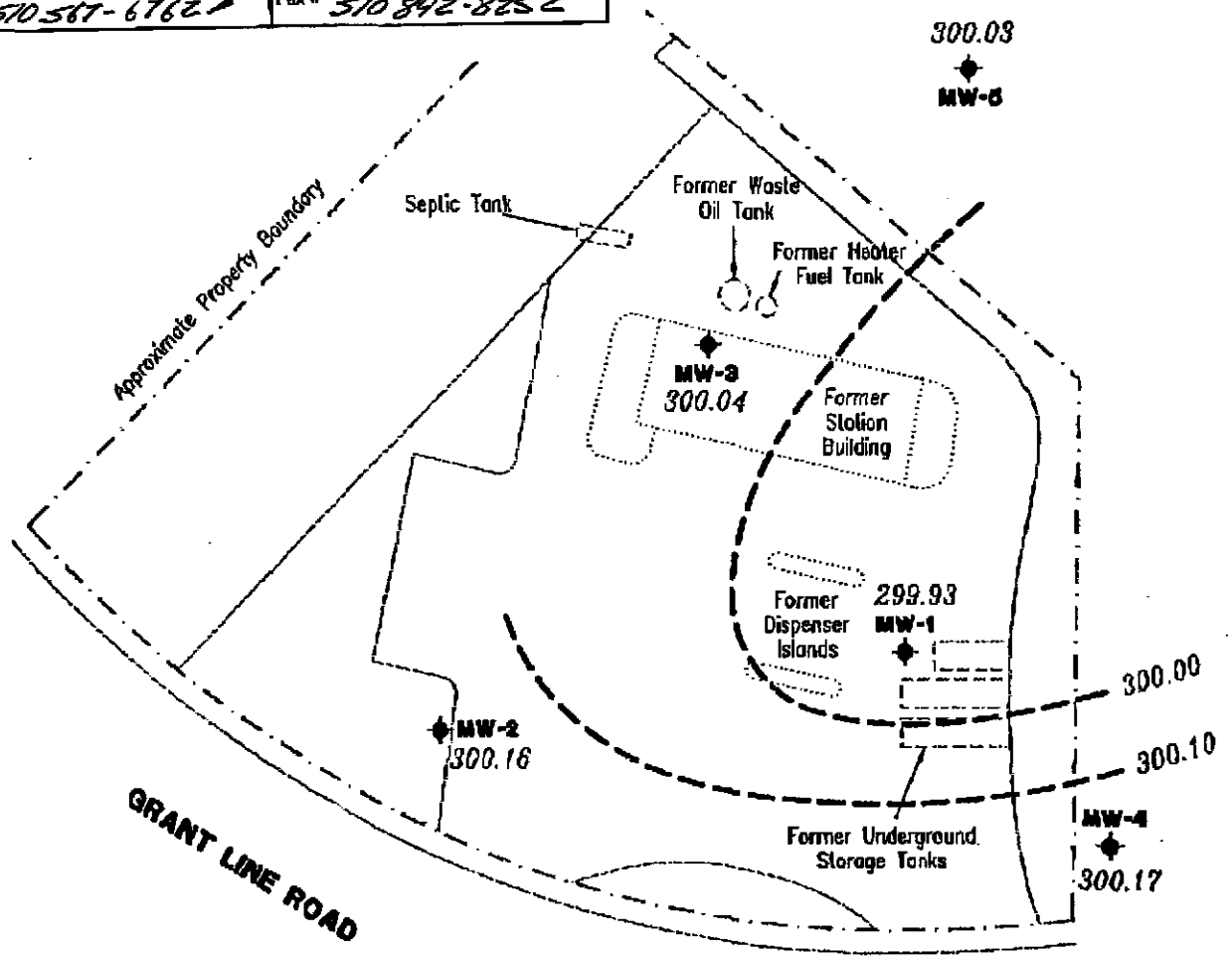
Argy Leyton
Environmental Project Manager

Stephen J. Carter
Senior Geologist, R.G. 5577

REGISTERED GEOLOGIST
STEPHEN J. CARTER
No. 5577
STATE OF CALIFORNIA

AML/SJC/dlh
5251.QML

Figure 1: Potentiometric Map - June 7, 1995
Figure 2: Potentiometric Map - July 21, 1995
Figure 3: Potentiometric Map - August 15, 1995
Table 1: Water Level Data and Groundwater Analytic Results
Attachments: Standard Operating Procedure - Quarterly Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytic Report



EXPLANATION

- ✦ Groundwater monitoring well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- 99.99 Groundwater elevation contour, dashed where inferred.

Approximate groundwater flow direction at a gradient of 0.002 to 0.004 Ft./Ft.

N

0 50

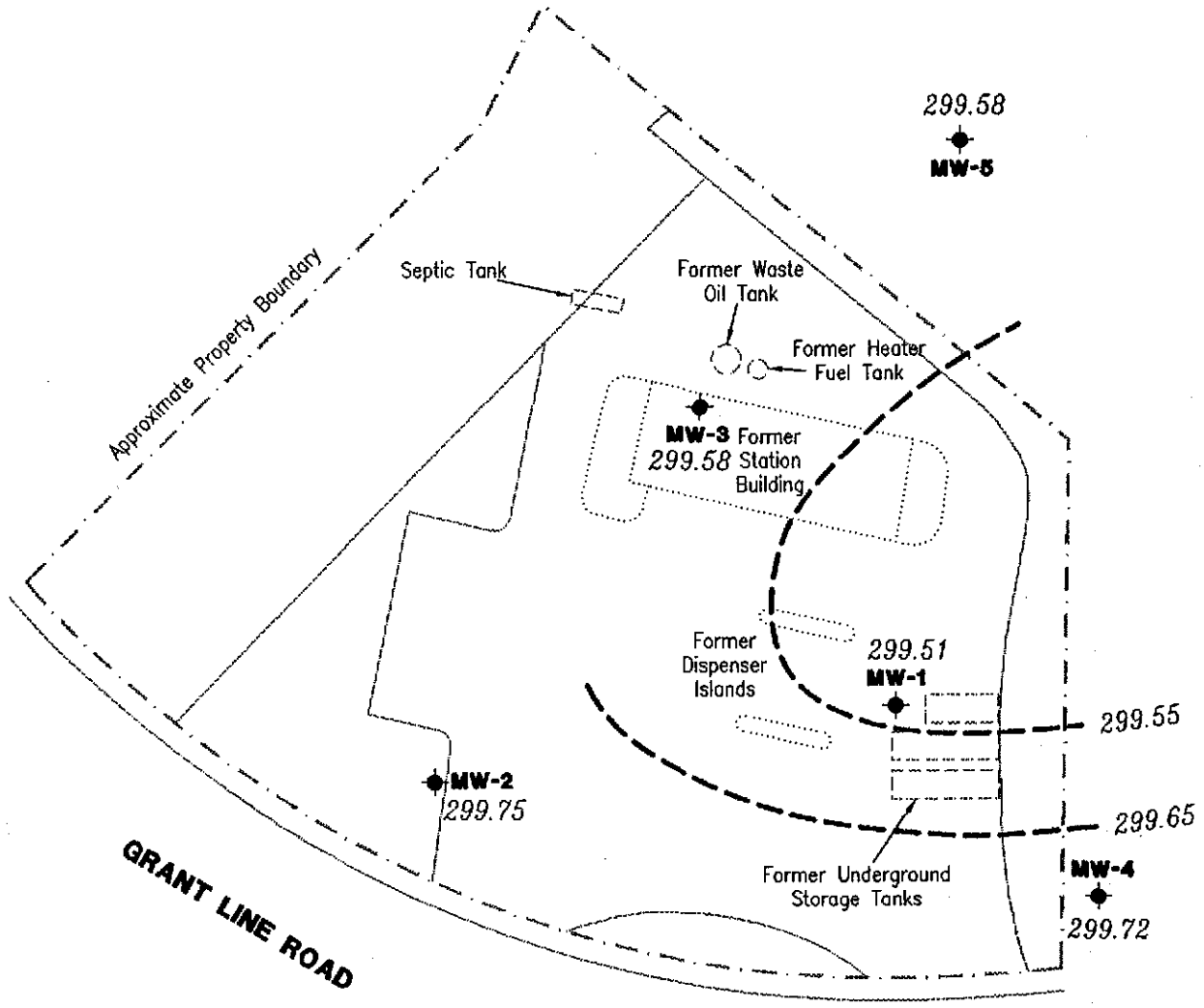
Scale in Feet

Gettler - Ryan Inc.
6747 Sierra Ct., Suite J (510) 551-7555
Dublin, CA 94568

POTENTIOMETRIC MAP
Former Chevron Service Station No. 9-7127
Interstate 580 and Grant Line Road
Tracy, California

FIGURE 1

JOB NUMBER 5251.85 | REVIEWED BY | DATE June 7, 1995 | REVISED DATE



EXPLANATION

- Groundwater monitoring well
- 99.99 — Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- 99.99 — Groundwater elevation contour, dashed where inferred.

Approximate groundwater flow direction at a gradient of 0.002 to 0.004 Ft./Ft.

N

0 50

Scale in Feet

Gettler - Ryan Inc.

6747 Sierra Ct., Suite J
Dublin, CA 94568
(510) 551-7555

POTENTIOMETRIC MAP
Former Chevron Service Station No. 9-7127
Interstate 580 and Grant Line Road
Tracy, California

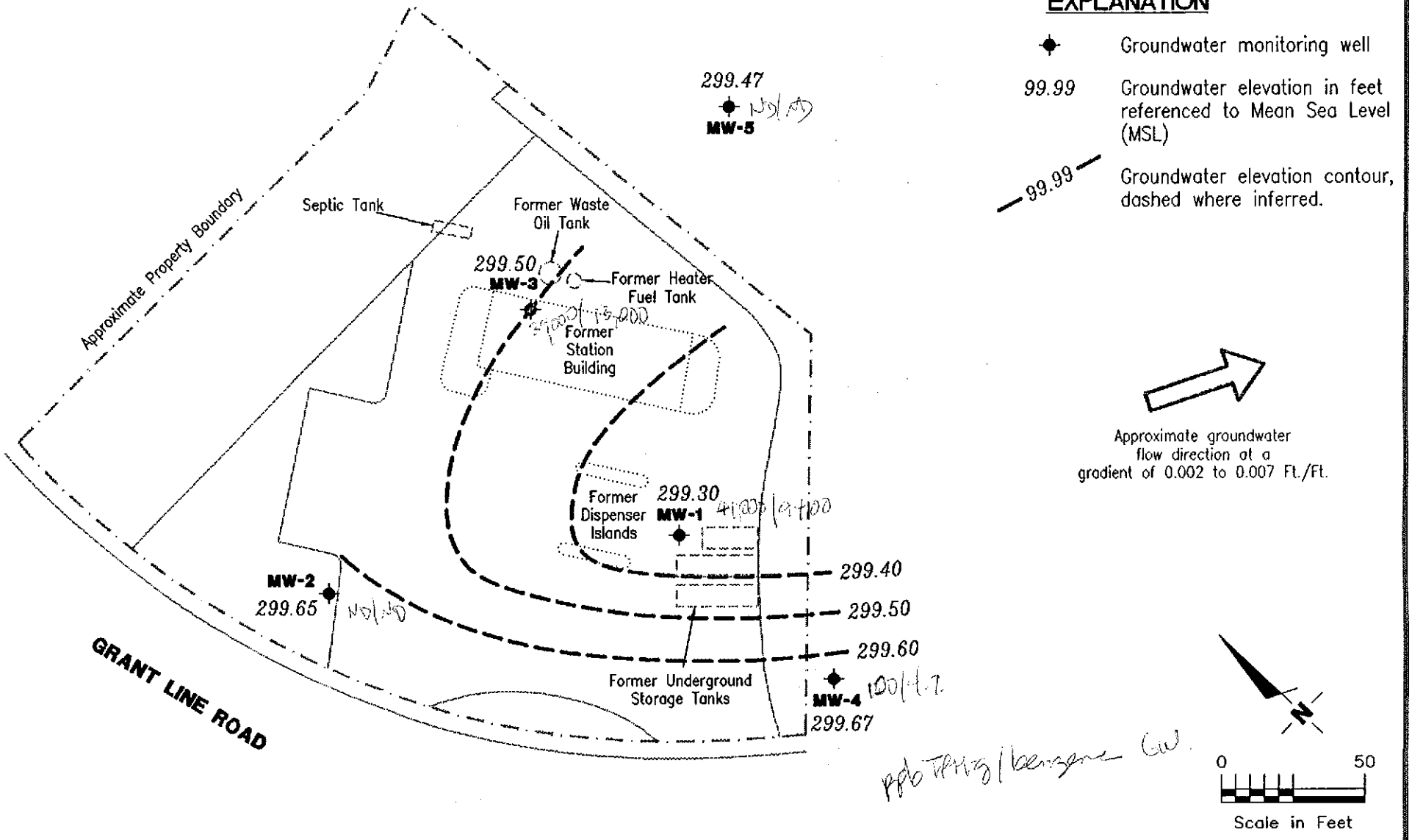
FIGURE
2

JOB NUMBER
5251.85

REVIEWED BY

DATE
July 21, 1995

REVISED DATE



Gettler - Ryan Inc.
6747 Sierra Ct., Suite J
Dublin, CA 94568
(510) 551-7555

POTENTIOMETRIC MAP
Former Chevron Service Station No. 9-7127
Interstate 580 and Grant Line Road
Tracy, California

FIGURE
3

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
5251.85		August 15, 1995	

Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-7127, Interstate 580 at Grant Line Road, Tracy, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						<———		ppb		———>
MW-1/ 329.17	2/15/94	29.77	299.40	0	8015/8020	99,000	20,000	24,000	2,000	9,800
	4/21/94	29.85	299.32	0	—	—	—	—	—	—
	6/1/94	29.92	299.25	0	8015/8020	56,000	12,000	15,000	1,100	5,800
	6/28/94	30.15	299.02	0	—	—	—	—	—	—
	7/19/94	20.30	308.87	0	—	—	—	—	—	—
	9/2/94	30.61	298.96[1]	0.5	—	—	—	—	—	—
	9/12/94	31.66	298.04[1]	0.66	—	—	—	—	—	—
	10/12/94	31.70	298.70[1]	1.54	—	—	—	—	—	—
	11/30/94	29.95	299.84[1]	0.77	—	—	—	—	—	—
	3/9/95	29.54	299.88	0.31	—	—	—	—	—	—
	4/18/95	29.01	300.16	0	—	—	—	—	—	—
	5/17/95	29.09	300.08	0	8015/8020	130,000	22,000	30,000	2,000	10,000
	6/7/95	29.24	299.93	0	—	—	—	—	—	—
	7/21/95	29.66	299.51	0	—	—	—	—	—	—
	8/15/95	29.87	299.30	0	8015/8020	41,000	9,400	12,000	1,400	7,700
MW-2/ 327.22	2/15/94	27.09	300.13	0	8015/8020	83	21	6	1	3
	4/21/94	27.81	299.41	0	—	—	—	—	—	—
	6/1/94	27.98	299.24	0	8015/8020	<50	1.3	0.5	<0.5	<0.5
	6/28/94	28.17	299.05	0	—	—	—	—	—	—
	7/19/94	28.35	298.87	0	—	—	—	—	—	—
	9/2/94	28.52	298.70	0	8015/8020	82	13	16	3.6	14
	9/12/94	28.56	298.66	0	—	—	—	—	—	—
	10/12/94	28.62	298.60	0	—	—	—	—	—	—
	11/30/94	28.38	298.84	0	8015/8020	<50	3.6	4.5	1.0	4.5
	3/9/95	27.41	299.81	0	—	—	—	—	—	—
	4/18/95	26.79	300.43	0	—	—	—	—	—	—
	5/17/95	26.95	300.27	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	6/7/95	27.06	300.16	0	—	—	—	—	—	—
	7/21/95	27.47	299.75	0	—	—	—	—	—	—
	8/15/95	27.57	299.65	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
MW-3/ 329.28	2/15/94	29.87	299.41	0	8015/8020	23,000	11,000	1,700	540	1,000
	4/21/94	29.96	299.32	0	—	—	—	—	—	—
	6/1/94	30.11	299.17	0	8015/8020	27,000	12,000	2,600	600	2,200
	6/28/94	30.31	298.97	0	—	—	—	—	—	—
	7/19/94	30.50	298.78	0	—	—	—	—	—	—

omitted product thickness measurement in 12/94 (.3) 1/95 (1.20) and 2/95 (0.22)

Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-7127, Interstate 580 at Grant Line Road, Tracy, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						<———		ppb		———>
MW-3	9/2/94	30.61	298.67	0	8015/8020	34,000	16,000	4,100	770	3,000
(cont)	9/12/94	30.65	298.63	0	—	—	—	—	—	—
	10/12/94	30.74	298.54	0	—	—	—	—	—	—
	11/30/94	30.44	298.84	0	8015/8020	33,000	16,000	3,000	740	2,400
	3/9/95	29.53	299.75	0	—	—	—	—	—	—
	4/18/95	28.97	300.31	0	—	—	—	—	—	—
	5/17/95	29.19	300.09	0	8015/8020	27,000	10,000	760	490	1,000
	6/7/95	29.24	300.04	0	—	—	—	—	—	—
	7/21/95	29.70	299.58	0	—	—	—	—	—	—
	8/15/95	29.78	299.50	0	8015/8020	39,000[3]	13,000	2,900	700	1,700
MW-4/										
	5/21/93	—	—	—	8015/8020	<50	12	2	<0.5	1
	11/5/93	—	—	—	8015/8020	300	56	10	0.8	3
329.44	2/15/94	29.90	299.54	0	8015/8020	260	47	12	2	4
	4/21/94	29.99	299.45	0	—	—	—	—	—	—
	6/1/94	30.14	299.30	0	8015/8020	860	200	23	2.8	9.6
	6/28/94	30.32	299.12	0	—	—	—	—	—	—
	7/19/94	30.50	298.94	0	—	—	—	—	—	—
	9/2/94	30.62	298.82	0	8015/8020	1,700	250	27	6.4	15
	9/12/94	30.69	298.75	0	—	—	—	—	—	—
	10/12/94	30.75	298.69	0	—	—	—	—	—	—
	11/30/94	30.51	298.93	0	8015/8020	830	350	29	8.1	22
	3/9/95	29.61	299.83	0	—	—	—	—	—	—
	4/18/95	29.08	300.36	0	—	—	—	—	—	—
	5/17/95	29.22	300.22	0	8015/8020	470	200	2.2	0.9	2.1
	6/7/95	29.27	300.17	0	—	—	—	—	—	—
	7/21/95	29.72	299.72	0	—	—	—	—	—	—
	8/15/95	29.77	299.67	0	8015/8020	100	4.2	0.8	<0.5	<0.5
MW-5	5/25/93	—	—	—	8015/8020	<50	<0.5	<0.5	<0.5	0.9
	11/5/93	—	—	—	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
312.88	2/15/94	25.10	287.78	0	8015/8020	<50	<0.5	1	<0.5	1
	4/21/94	13.21	299.67	0	—	—	—	—	—	—
	6/1/94	13.39	299.49	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	6/28/94	13.73	299.15	0	—	—	—	—	—	—
	7/19/94	13.80	299.08	0	—	—	—	—	—	—
	9/2/94	14.02	298.86	0	8015/8020	<50	3.2	1.8	<0.5	2.1
	9/12/94	14.03	298.85	0	—	—	—	—	—	—
	10/12/94	14.15	298.73	0	—	—	—	—	—	—

Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-7127, Interstate 580 at Grant Line Road, Tracy, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						<——— ppb ———>				
MW-5	11/30/94	13.91	298.97	0	8015/8020	<50[2]	<0.5[2]	<0.5[2]	<0.5[2]	<0.5[2]
(cont)	3/9/95	12.97	299.91	0	—	—	—	—	—	—
	4/18/95	12.48	300.40	0	—	—	—	—	—	—
	5/17/95	12.71	300.17	0	8015/8020	150	1.0	<0.5	<0.5	<0.5
	6/7/95	12.85	300.03	0	—	—	—	—	—	—
	7/21/95	13.30	299.58	0	—	—	—	—	—	—
	8/15/95	13.41	299.47	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
Trip Blank										
TB-LB	2/15/94	—	—	—	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	6/1/94	—	—	—	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	9/2/94	—	—	—	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	11/30/94	—	—	—	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	5/17/95	—	—	—	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	8/15/95	—	—	—	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
Bailer Blank										
BB	2/15/94	—	—	—	8015/8020	<50	<0.5	<0.5	<0.5	<0.5

Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-7127, Interstate 580 at Grant Line Road, Tracy, California (continued)

EXPLANATION:

DTW = Depth to water
TOC = Top of casing elevation
GWE = Groundwater elevation
msl = Measurements referenced relative to mean sea level
TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
ppb = Parts per billion
— = Not analyzed/Not applicable

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)
8020 = EPA Method 8020 for BTEX

NOTES:

All top of casing elevations were surveyed by Tronoff Land Surveying, Davis, California on November 2, 1993.

Water level elevation data and laboratory analytic results prior to May 17, 1995 were compiled from Quarterly Monitoring Reports prepared for Chevron by Sierra Environmental Services.

1 GWE corrected for the presence of free-phase hydrocarbons using: GWE = [(TOC-DTW) + (0.8)(Product Thickness)]. 0.8 is the assumed specific gravity of free-phase hydrocarbons.

2 Estimated concentration. TFT surrogate recovery demonstrated sample specific matrix effect. Benzene and Toluene are estimated values due to low recovery of (TFT) surrogate. The (BFB) surrogate had acceptable recovery. Low surrogate recovery can be attributed to sample effervescence (GTEL).

3 Laboratory reported data obtained from multiple dilutions. Dilution factor noted represents the dilution used for majority of results.

5251.tqm

STANDARD OPERATING PROCEDURE
QUARTERLY GROUNDWATER SAMPLING

Gettler-Ryan field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss pevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using a MMC flexi-dip interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a *minimum of three* well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using Chevron-designated disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytic laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservative (if any), and the sample collector's initials. The water samples are placed in cooler maintained at 4 C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivery to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory-supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron USA Products Company, the purge and decontamination water generated during sampling activities is taken to Chevron's Richmond Refinery for disposal.

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline | DATE: 8-15-[illegible]

ADDRESS: I-580 - Grant Line Rd | JOB #: 525[illegible].8

CITY: Altamont Pass | SS#: 9-7127

Well ID: MW-1 | Well Condition: Okay

Well Location Description: Middle of lot

Well Diameter: 4" in | Hydrocarbon Thickness: 0

Total Depth: 39.58 ft

Depth to Liquid: 29.87 ft

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = [illegible]

# of casing Volume: 3x 9.71 x 0.66 x(VF) 6.4 = #Estimated purge Volume: 19.2

Purge Equipment: Stack/Suction | Sampling Equipment: Bailer

Did well dewater: No | If yes, Time: ___ | Volume: ___

Starting Time: 10:53 | Purging Flow Rate: 3.3

Sampling Time: 1104

Time	pH	Conductivity	Temperature	Volume
1055	6.85	1522	23.2	6.4
1057	6.81	1450	22.9	13.7
1059	6.83	1435	22.6	19.5
1104	6.82	1440	22.2	20.5

Weather Conditions: Sunny warm clear

Water Color: Clear | Odor: Stron.

Sediment Description: None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analy
MW-1	3x40ml	Y	HCL	G-TBL	Gas B:

Comments: ___

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline | DATE: 8-15-95

ADDRESS: 2-580 Grant Line Rd | JOB #: 5251

CITY: Alameda Pass | SS#: 9-7127

Well ID: MW-2 | Well Condition: Okay

Well Location Description: Western Corner

Well Diameter: 2 in | Hydrocarbon Thickness: 0

Total Depth: 38.30 ~~40.12~~ ft

Depth to Liquid: 27.57 ft

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38		
	4" = 0.66		

# of casing Volume: 3 X 10.73 x 0.17 x(VF) 1.82 | #Estimated purge Volume: 50 gal.

Purge Equipment: Stack | Sampling Equipment: Bailer

Did well dewater: No | If yes, Time: ___ | Volume: ___

Starting Time: 1005 | Purging Flow Rate: 1 gpm.

Sampling Time: 1012

Time	pH	Conductivity	Temperature	Volume
1007	7.05	829	21.4	2
1009	6.82	830	21.0	4
1012	6.78	840	21.0	6

Weather Conditions: Sunny warm clear

Water Color: Cloudy | Odor: None

Sediment Description: None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis

Comments: ___

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline | DATE: 8-15-95

ADDRESS: I-580 - Grant line Rd | JOB #: 525.85

CITY: Altamont Pass CA | SS#: 9-7127

Well ID: MW-3 | Well Condition: Okay

Well Location Description: Northern corner

Well Diameter: 2" in | Hydrocarbon Thickness:

Total Depth: 40.12 ft

Depth to Liquid: 29.78 ft

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38		
	4" = 0.66		

# of casing Volume: 3 x 10.34 x 0.17 x(VF) 1.75 #Estimated purge Volume: 5.3 gal.

Purge Equipment: Bailer | Sampling Equipment: Bailer

Did well dewater: No | If yes, Time: ___ | Volume: ___

Starting Time: 10:29

Sampling Time: 1035

Purging Flow Rate: ___ gpm.

Time	pH	Conductivity	Temperature	Volume
1031	6.80	914	21.1	2
1033	6.87	914	20.7	4
1035	6.85	910	20.8	6

Weather Conditions: Sunny warm clear

Water Color: Clear | Odor: Mild.

Sediment Description: None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-3	3x40ml VOA	Y	HCL	CalTEL	Cons BTXE

Comments: ___

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline | DATE: 8-15-95

ADDRESS: I-580 @ Grant Line | JOB #: 5251.85

CITY: Altamont Pass CA | SS#: 9-7127

Well ID: MW-4 | Well Condition: okay

Well Location Description: Southern Corner

Well Diameter: 2" in | Hydrocarbon Thickness:

Total Depth: 40.32 ft

Depth to Liquid: 29.77 ft

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38		
	4" = 0.66		

# of casing Volume: 3 x 10.55 x 0.17 x (VF) 1.8 = #Estimated purge Volume: 5.4 gal.

Purge Equipment: Bailer | Sampling Equipment: Bailer

Did well dewater: No | If yes, Time: ___ | Volume: ___

Starting Time: 10:19

Sampling Time: 1025

Purging Flow Rate: ___ gpm.

Time	pH	Conductivity	Temperature	Volume
1021	7.09	809	20.7	2
1023	7.00	1064	20.6	4
1025	7.08	1054	20.6	6

Weather Conditions: Sunny warm clear

Water Color: Clear | Odor: None

Sediment Description: None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-4	3x40ml VOA	Y	HCl	CTEL	Cons BTXE

Comments: ___

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 8-15-95

ADDRESS I-580 Grant Line Rd JOB # 5251.85

CITY Alameda Pass CA SS# 9-7127

Well ID MW-5 Well Condition Okay

Well Location Description Offsite Down hill

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth 28.13 ft

Depth to Liquid 13.41 ft

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

# of casing Volume 3X 14.72 x 0.17 x(VF) 2.5 #Estimated purge Volume 7.5 gal.

Purge Equipment ~~Stack~~ Bailer Sampling Equipment Bailer

Did well dewater No If yes, Time ___ Volume ___

Starting Time 9:17 Purging Flow Rate 1.25 gpm.

Sampling Time 9:30

Time	pH	Conductivity	Temperature	Volume
9:19	7.55	1104	19.4	2.5
9:21	7.56	1100	19.4	5.0
9:23	7.57	1101	19.4	7.5
9:30	7.56	1100	19.4	8.0

Weather Conditions Sunny warm clear

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-5	3x40ml	Y	HCL	CTEL	GasBTEX

Comments ___

Fax copy of Lab Report and COC to Chevron Contact: ☐ No

Chain of Custody Record

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

Chevron Facility Number: 9-7127
Facility Address: I-580 @ Grant Line Rd Altamont Pass
Consultant Project Number: 5251.85
Consultant Name: Gettler-Ryan
Address: 6747 Sierra Ct, Ste J, Dublin 94568
Project Contact (Name): Argy Leyton
(Phone): 510 551-7555 (Fax Number): 510 551-7888

Chevron Contact (Name): Kenneth Kan
(Phone): 842-8752
Laboratory Name: GTEL
Laboratory Release Number: ~~342640~~ 3452040
Samples Collected by (Name): Frank Cline
Collection Date: 8-15-95
Signature: [signature]

DO NOT BILL TB-LB ANALYSIS

Analyses To Be Performed

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water 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
TB-LB	01	2	W	TB	—	HCL	Y	✓													Analyze
MW-5	02	3	↓	G	9:30	↓	↓	✓													↓
MW-2	03	↓		↓	1012			✓													
MW-4	04				1025			✓													
MW-3	05				1037			✓													
MW-1	06	↓	↓	↓	1104	↓	↓	✓													↓

MWD 8/25/95

6°C

C5080214

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	G/R	8-15-95 1500	[signature]	G/R	8-15-95 1500
[signature]	G/R		Chris Heck	GTEL	8-16-95/1520
			Received For Laboratory By (Signature): Ronald C. Jensen		8/16/95 15:50

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

8/15/95 [initials]

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

4080 Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
(800) 423-7143 Outside CA
(510) 825-0720 FAX

August 30, 1995

Argy Leyton
Gettler-Ryan, Inc.
6747 Sierra Ct., Ste J
Dublin, CA 94568

RE: GTEL Client ID: GTR01CHV08
Login Number: C5080214
Project ID (number): 5251.85
Project ID (name): Chevron/#9-7127/I-580 at Covant Line Rd., Altamont Pass

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Dear Argy Leyton:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 08/16/95.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the Department of Health Service under Certification Number E1075.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

for
Chip Poalinelli
Laboratory Director

ANALYTICAL RESULTS
Volatile Organics

GTEL Client ID: GTR01CHV08
Login Number: C5080214
Project ID (number): 5251.85
Project ID (name): Chevron/#9-7127/I-580 at Covant Line Rd., Altamont Pass

Method: EPA8020/15
Matrix: Aqueous

GTEL Sample Number	C5080214-01	C5080214-02	C5080214-03	C5080214-04
Client ID	TB-LB	MW-5	MW-2	MW-4
Date Sampled	08/15/95	08/15/95	08/15/95	08/15/95
Date Analyzed	08/22/95	08/22/95	08/22/95	08/22/95
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
Benzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	4.2
Toluene	0.5	ug/L	< 0.5	< 0.5	< 0.5	0.8
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
TPH as GAS	50.	ug/L	< 50.	< 50.	< 50.	100
BFB (Surrogate)	--	%	84.5	84.4	83.1	84.4

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA8020/15:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 62-129%. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision.

GTEL ENVIRONMENTAL LABORATORIES, INC.

ANALYTICAL RESULTS
Volatile Organics

GTEL Client ID: GTR01CHV08
Login Number: C5080214
Project ID (number): 5251.85 Method: EPA8020/15
Project ID (name): Chevron/#9-7127/I-580 at Covant Line Rd., Altamont Pass Matrix: Aqueous

GTEL Sample Number	C5080214-05	C5080214-06	--	--
Client ID	MW-3	MW-1	--	--
Date Sampled	08/15/95	08/15/95	--	--
Date Analyzed	08/24/95	08/23/95	--	--
Dilution Factor	10.0	100.	--	--

Analyte	Reporting Limit	Units	Concentration:			
Benzene	0.5	ug/L	13000	9400	--	--
Toluene	0.5	ug/L	2900	12000	--	--
Ethylbenzene	0.5	ug/L	700	1400	--	--
Xylenes (total)	0.5	ug/L	1700	7700	--	--
TPH as GAS	50.	ug/L	39000	41000	--	--
BFB (Surrogate)	--	%	111.	104.	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA8020/15:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846. Third Edition including promulgated Update 1. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 62-129%. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision.

C5080214-05:

Data obtained from multiple dilutions. Dilution factor noted represents the dilution used for majority of results.

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: C5080214 Volatile Organics
Project ID (number): 5251.85 Method: EPA8020/15
Project ID (name): Chevron/#9-7127/I-580 at Covant Line Rd., Altamont Pass Matrix: Aqueous

Surrogate Results

QC Batch No.	Reference	Sample ID	TFT	BFB
Method: EPA8020/15		Acceptability Limits:	45-125%	45-125%
--	08021401	TB-LB	85.9	84.5
--	08021402	MW-5	85.2	84.4
--	08021403	MW-2	85.2	83.1
--	08021404	MW-4	91.1	84.4
--	08021405	MW-3	125.	111.
--	08021406	MW-1	110.	104.
G082195-5	BWG082195	Method Blank Water	89.9	87.0

Notes:
*: Indicates values outside of acceptability limits. See Nonconformance Summary.

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: C5080214 Volatile Organics
Project ID (number): 5251.85 Method: EPA8020/15
Project ID (name): Chevron/#9-7127/I-580 at Covant Line Rd., Altamont Pass Matrix: Aqueous

Method Blank Results

QC Batch No: G082195-5
Date Analyzed: 21-AUG-95

Analyte	Method: EPA8020/15 Concentration: ug/L
Benzene	< 0.300
Toluene	< 0.300
Ethylbenzene	< 0.300
Xylenes (Total)	< 0.500
TPH as Gasoline	< 50.0

Notes:

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: C5080214 Volatile Organics
Project ID (number): 5251.85 Method: EPA8020/15
Project ID (name): Chevron/#9-7127/I-580 at Covant Line Rd., Altamont Pass Matrix: Aqueous

Conformance/Non-Conformance Summary

(X = Requirements Met * = See Comments -- = Not Required NA = Not Applicable)

Conformance Item	Volatile Organics	Semi-Volatile Organics	Inorganics (MT, OG, WC)
GC/MS Tune	--	--	NA
Initial Calibration	--	--	--
Continuing Calibration	--	--	--
Surrogate Recovery	X	--	NA
Holding Time	X	--	--
Method Accuracy	--	--	--
Method Precision	--	--	--
Blank Contamination	X	--	--

Comments:

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: C5080214 Volatile Organics
Project ID (number): 5251.85 Method: EPA8020/15
Project ID (name): Chevron/#9-7127/I-580 at Covant Line Rd., Altamont Pass Matrix: Aqueous

Surrogate Results

QC Batch No.	Reference	Sample ID	TFT	BFB
Method: EPA8020/15		Acceptability Limits:	45-125%	45-125%
--	08021401	TB-LB	85.9	84.5
--	08021402	MW-5	85.2	84.4
--	08021403	MW-2	85.2	83.1
--	08021404	MW-4	91.1	84.4
--	08021405	MW-3	125	111
--	08021406	MW-1	110.	104.
G082195-1	MS08017702	Matrix Spike	85.3	86.5
G082195-2	MD08017702	Matrix Spike Dupli	84.1	85.2

Notes:
*: Indicates values outside of acceptability limits. See Nonconformance Summary.

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: C5080214 Volatile Organics
Project ID (number): 5251.85 Method: EPA8020/15
Project ID (name): Chevron/#9-7127/I-580 at Covant Line Rd., Altamont Pass Matrix: Aqueous

Matrix Spike(MS) and Matrix Spike Duplicate(MSD) Results

GTEL Sample ID:C5080177-02 MS ID:MS08017702 MSD ID:MD08017702
Analysis Date: 17-AUG-95 21-AUG-95 22-AUG-95

Units: ug/L	Sample		Spikes Added		MS	MS	MSD	MSD		Acceptability Limits	
Analyte	Conc.		MS	MSD	Conc.	% Rec.	Conc.	% Rec.	RPD	RPD	%Rec.
Benzene	< 0.5	(0.000)	20.0	20.0	19.8	99.0	20.5	103.	4.0	34	67.3-138
Toluene	< 0.5	(0.224)	20.0	20.0	20.9	103.	21.9	108.	4.7	31	63-134
Ethylbenzene	< 0.5	(0.138)	20.0	20.0	20.8	103.	20.9	104.	1.0	38	59.3-137
Xylenes (Total)	< 0.5	(0.398)	60.0	60.0	62.2	103.	64.3	107.	3.8	31	59.3-144

Notes:
Values in parentheses in the sample concentration column are used for % recovery calculations.

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: C5080214 Volatile Organics
Project ID (number): 5251.85 Method: EPA8020/15
Project ID (name): Chevron/#9-7127/I-580 at Covant Line Rd., Altamont Pass Matrix: Aqueous

Conformance/Non-Conformance Summary

(X = Requirements Met * = See Comments -- = Not Required NA = Not Applicable)

Conformance Item	Volatile Organics	Semi-Volatile Organics	Inorganics (MT, OG, WC)
GC/MS Tune	--	--	NA
Initial Calibration	--	--	--
Continuing Calibration	--	--	--
Surrogate Recovery	X	--	NA
Holding Time	X	--	--
Method Accuracy	X	--	--
Method Precision	X	--	--
Blank Contamination	--	--	--

Comments:

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: GTR01CHV08
Project ID: Chevron
580 at Covant Line Rd.
Altamont Pass
Facility Number: 0097127
Login Number: C5-08-0214

CONFORMANCE/NONCONFORMANCE SUMMARY

(X = Requirements Met * = See Comments NA = Not Applicable)

#	Conformance Item	VOA GC/MS	VOA GC	SV GC/MS	SV GC	Metals	Wet Chem
1	GC/MS Tune		NA		NA	NA	NA
2	Initial Calibration		X				
3	Continuing Calibration		X				
4	Surrogate Recovery		X			NA	NA
5	Holding Time		X				
6	Method Accuracy		X				
7	Method Precision		X				

8 Blank Contamination - List/ND (None Detected)/*(See Comments)

VOA: ND

SV:

Metals:

Wet Chem:

9 Comments:

GTEL ENVIRONMENTAL LABORATORIES, INC.