Chevron

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

December 29, 1995

Ms. Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Re: Chevron Station # 9-5542, 7007 San Ramon Valley Rd., Dublin, CA
Attached Environmental Assessment Report (GTI, 9/28/95)

Dear Ms. Chu:

Attached you will find a report dated September 28, 1995 that was prepared by Chevron's consultant, Groundwater Technology Inc. (GTI), to describe the results of their groundwater investigation that was performed at the subject site on July 12, 1995. The purpose of GTI's investigation was to delineate the extent of the dissolved hydrocarbon plume downgradient from the subject site.

The investigation included the installation of three Geoprobe borings along the plume axis. The Geoprobes were located offsite approximately 210, 270, and 320 feet downgradient from the source area. Soil samples were collected at each location and respective lithologies were described. Groundwater samples were obtained from each boring and were analyzed for the presence of TPHGas and BTEX constituents. Detectable concentrations of petroleum hydrocarbons were measured at each location.

Based on the acquired data, two important conclusions have been reached. The first is, that the plume length does not extend beyond the location of Geoprobe SB-3. As a result, a conventional groundwater monitoring well will be located in this vicinity to confirm the plume stability. Secondly, by determining the plume extent with this investigation, it is reasonable to infer that the hydrocarbons detected in groundwater during a separate investigation at the southeast corner of Regional Street and Dublin Boulevard, did not originate from the subject site. The separate investigation was performed on June 3, 1994 and results were reported by TMC Environmental, Inc. on June 24, 1994. Further support of the second conclusion was obtained by Chevron through a search of historic aerial photographs of the subject area. In reviewing a photograph (copy attached) taken on April 27, 1982, it was apparent that a service station existed on the southwest corner of Regional Street and Dublin Boulevard. The service station observed at this location was not present in a photograph dated August 18, 1988. Chevron has no knowledge of any environmental investigation that may have been conducted at the southwest corner of Regional/Dublin however, the former service station at that location represents a more likely source of the contamination discovered by TMC Environmental than does Chevron's site.

A workplan proposing the installation of a downgradient monitoring well will be submitted to your agency by March 1, 1996. If you have any questions or comments, I can be reached at (510) 842-8695.

Sincerely,

Brett L. Hunter

Brett L. Hunter
Environmental Engineer
Site Assessment and Remediation

Attachment

cc:

Mary Diamond, See's Candy, 3423 S. La Cienega Blvd., Los Angeles, CA 90016-4401
William Mathews Brooks, Ardenbrook, Inc., 4725 Thornton Ave., Fremont, CA 94536
Howard Pearlman, Bartko, Zankel, Tarrant & Miller, 900 Front St., Suite 300, San Francisco, CA 94111
Rich Hiett, San Francisco Bay RWQCB, Oakland, CA (w/o attachment)
See's Real Estate, 210 El Camino Real, S. San Francisco, CA 94080 (w/o attachment)
Jon Robbins, Chevron USA, Products Company, San Ramon, CA (w/o attachment)

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Marketing – Northwest Region
Phone 510 842 9500

December 28, 1995

Ms. Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Re: Chevron Station # 9-5542, 7007 San Ramon Valley Rd., Dublin, CA
Attached groundwater monitoring report (Sierra, 1/19/95)
Attached groundwater monitoring reports (Gettler-Ryan, 4/6/95, 7/18/95, 10/17/95)

Dear Ms. Chu:

Please find attached, a report dated January 19, 1995 that was prepared by Chevron's consultant, Sierra Environmental Services (Sierra), to describe the results of groundwater monitoring that was performed at the subject site on December 8, 1994. You will also find attached, three reports dated April 6, 1995, July 18, 1995, and October 17, 1995 that were prepared by Chevron's consultant Gettler-Ryan to describe site monitoring events performed on March 6, June 8, and September 13, 1995, respectively.

During each site visit, Chevron's consultants gauged and sampled all nine site-related wells. The measured direction of groundwater flow was consistent each quarter and was toward the northeast. All groundwater samples collected were analyzed for the presence of TPHGas and BTEX constituents. For the most part, all results obtained were consistent with those measured during previous site monitoring events. The dissolved hydrocarbon concentrations measured at well MW-1 during June were the highest ever measured at this location. These measurements were coincident with the highest groundwater elevation measured at this location.

probably more to east, as plume conc. shows.

I apologize for the late transmittal of these reports. If you have any questions or comments, I can be reached at (510) 842-8695.

Sincerely,

Brett L. Hunter

Brett L. Hunter
Environmental Engineer
Site Assessment and Remediation

Attachments

~ 280' plume

Need human risk assessments/analysis w/ 11,000 ppb Benzene to determine clean-up levels

11:1 Wd 8-NVP 96

cc: Rich Hiett, San Francisco Bay RWQCB, Oakland, CA
Mary Diamond, See's Candy, 3423 S. La Cienega Blvd., Los Angeles, CA 90016-4401
William Mathews Brooks, Ardenbrook, Inc., 4725 Thornton Ave., Fremont, CA 94536
See's Real Estate, 210 El Camino Real, S. San Francisco, CA 94080 (w/o attachments)

APPENDIX A

DRILLING AND ENCROACHMENT PERMITS

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 VOICE (510) 484-2600 x 235
FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT CHEVRON STATION #9-5542
7007 SAN RAMON RD.
DUBLIN, CALIF.

CLIENT
Name CHEVRON U.S.A. PRODUCTS Co.
Address P.O. BOX 5004 Voice 510 842 9500
City SAN RAMON Zip 94583

APPLICANT
Name BRIAN MCALOON, for, GROUNDWATER TECHNOLOGY Fax 916-372-8781
Address 1401 HALYARD DR. #140 Voice 916-372-4700
City WEST SACRAMENTO, CALIF Zip 95691

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	___	General	
Water Supply	___	Contamination	X
Monitoring	___	Well Destruction	___

PROPOSED WATER SUPPLY WELL USE
Domestic ___ Industrial ___ Other ___
Municipal ___ Irrigation ___

DRILLING METHOD:
Mud Rotary ___ Air Rotary ___ Auger ___
Cable ___ Other GEOPROBE

DRILLER'S LICENSE NO. C57-482390

WELL PROJECTS

Drill Hole Diameter	___	in.	Maximum		
Casing Diameter	___	in.	Depth	___	ft.
Surface Seal Depth	___	ft.	Number	___	

GEOTECHNICAL PROJECTS

Number of Borings	3		Maximum		
Hole Diameter	~2	in.	Depth	25-28	ft.

ESTIMATED STARTING DATE JUNE 15, 1995
ESTIMATED COMPLETION DATE JUNE 15, 1995

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [signature] Date 6/7/95

FOR OFFICE USE

PERMIT NUMBER 95361
LOCATION NUMBER

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

(C.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

Approved Wyman Hong Date 10 Jun 95
Wyman Hong

91992

CITY OF DUBLIN
PUBLIC WORKS DEPARTMENT
100 Civic Plaza
Dublin, California 94568
(510) 833-6630

95-54

ENCROACHMENT PERMIT

PERMIT TO DO WORK IN ACCORDANCE WITH CITY OF DUBLIN MUNICIPAL CODE CHAPTER 7.04 AND ANY SPECIAL REQUIREMENTS SHOWN OR LISTED HEREIN.

Applicant/Permittee:		
Name: CHEVRON U.S.A.	Permit Fee:	$ 10.00
	Plancheck Fee:	$
	Resurfacing Surcharge:	$
Address: P.O. BOX 5004	Inspection Fees:	$ 80.00
SAN RAMON, CALIF. 94583		$
		$
	Total Fees:	$ 90.00
Telephone 510-842-9500	Bond: Surety: $500 Cash:	$
	Total Paid:	$
	Receipt No.	

PLEASE READ THIS PERMIT CAREFULLY. KEEP IT AT THE WORK SITE. TO ARRANGE FOR INSPECTION, PHONE 833-6630 AT LEAST 48 HOURS *BEFORE YOU START WORK.*

JOB LOCATION: CHEVRON STATION, 7007 SAN RAMON ROAD, DUBLIN, CALIF.

DESCRIPTION OF WORK: (Attach 2 copies of plans. Attach additional pages if needed.)

TWO SOIL BORINGS IN W/B CURB LANE DUBLIN BLVD, ~210 FT EAST OF CHEVRON STATION (i.e. BY GRAND AUTO BLDG)

Length of Excavation (2) 2-INCH Width (2) 2-INCH Depth ~28 ft.

U. S. A. IDENTIFICATION NUMBER (if applicable) 129424

ATTENTION IS DIRECTED TO THE GENERAL PROVISIONS PRINTED ON THE REVERSE SIDE OF THIS PERMIT AND TO THE FOLLOWING SPECIAL REQUIREMENTS:

1. **Permittee shall provide and keep current a certificate of Public Liability and Workers Compensation Insurance which names the City of Dublin and its employees and agents as additional insureds.**
2. **Worksites left in an unsafe condition will be secured by the City Maintenance Department and the cost charged to the permittee.**

Prosecution of Work: All work authorized by the permit shall be performed in a workmanlike, diligent, and expeditious manner, and must be complete to the satisfaction of the City Engineer.

Liability and Damages: The permittee shall be responsible for all liability imposed by law for personal injury or property damage which may arise out of the work permitted and done by permittee under this permit, or which may arise out of failure on the part of the permittee to perform his obligations under said permit in respect to maintenance and encroachment. The permittee shall protect and indemnify the City of Dublin, its officers and employees, and save them harmless in every way from all action by law for damage or injury to persons or property that may arise out of or be occasioned in any way because of his operations as provided in this permit.

Signature of Permittee:
By: Scott L. Hunter
Date: JULY 10, 1995

City Engineer
By: [signature]
Date of Issue: 7/11/95

Inspection Record (Note date, type of inspection, and comments.)

Completion Date: _____ Inspector: _____

DATE:

N

PACIFIC
AERIAL SURVEYS
8407 Edgewater Drive
Oakland, CA 94621 • (510) 632-2020

INTERSECTION OF
SAN RAMON VALLEY BLVD
& DUBLIN BLVD.

Drilling Log

GROUNDWATER TECHNOLOGY

Soil Boring SB-1

Project Chevron - Dublin — Owner Chevron U.S.A. Products Company
Location 7007 San Ramon Road, Dublin, CA — Proj. No. 02070 0156
Surface Elev. ____ Total Hole Depth 27 ft. Diameter 2 in.
Top of Casing ____ Water Level Initial 21.8 ft. Static ____
Screen: Dia ____ Length ____ Type/Size ____
Casing: Dia ____ Length ____ Type ____
Fill Material Neat Cement — Rig/Core Geoprobe/Polytube HDP
Drill Co. Kvilhaug — Method Geoprobe
Driller Mike Crocker — Log By Brian McAloon — Date 07/12/95 — Permit # 95361
Checked By Ed Simonis — License No. RG#4422

See Site Map For Boring Location

COMMENTS:

Collected "GRAB" groundwater samples.

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
0				GM	Silty GRAVEL (40,60): backfill.
2				CL	Silty CLAY (40,60): brown, dry, no hydrocarbon odor.
4					Gravelly silty CLAY (10,30,60): brown, dry to damp, no hydrocarbon odor.
6	0	SB-1 -7.0'		CL	
8					
10					Silty CLAY (40,60): brown, with white mottling, dry to damp, no hydrocarbon odor.
12	0	SB-1 -12.0'		CL	
14					
16					Clayey sandy SILT (20,30,50): brown grading to silty CLAY (30,70): brown, damp, no hydrocarbon odor.
18	0	SB-1 -17.0'		ML/CL	
20					Sandy silty CLAY (10,30,60): olive-gray with 10% white mottling, 5% rust-brown rootlet cast, damp, no hydrocarbon odor.
22	0	SB-1 -22.0'		CL ▽	*Encountered Water (Drillers Call)*
24					

GROUNDWATER TECHNOLOGY

Drilling Log

Soil Boring **SB-1**

Project *Chevron - Dublin* Owner *Chevron U.S.A. Products Company*

Location *7007 San Ramon Road, Dublin, CA* Proj. No. *02070 0156*

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
24						
26	60	SB-1 -27.0'			CL / ML	Sandy clayey SILT (20,30,50): olive-gray grading to clayey SILT (40,60): damp to moist, strong hydrocarbon odor.
28	80					End of Boring. Backfilled with neat cement 07/12/95.
30						
32						
34						
36						
38						
40						
42						
44						
46						
48						
50						
52						
54						
56						

Drilling Log

GROUNDWATER TECHNOLOGY

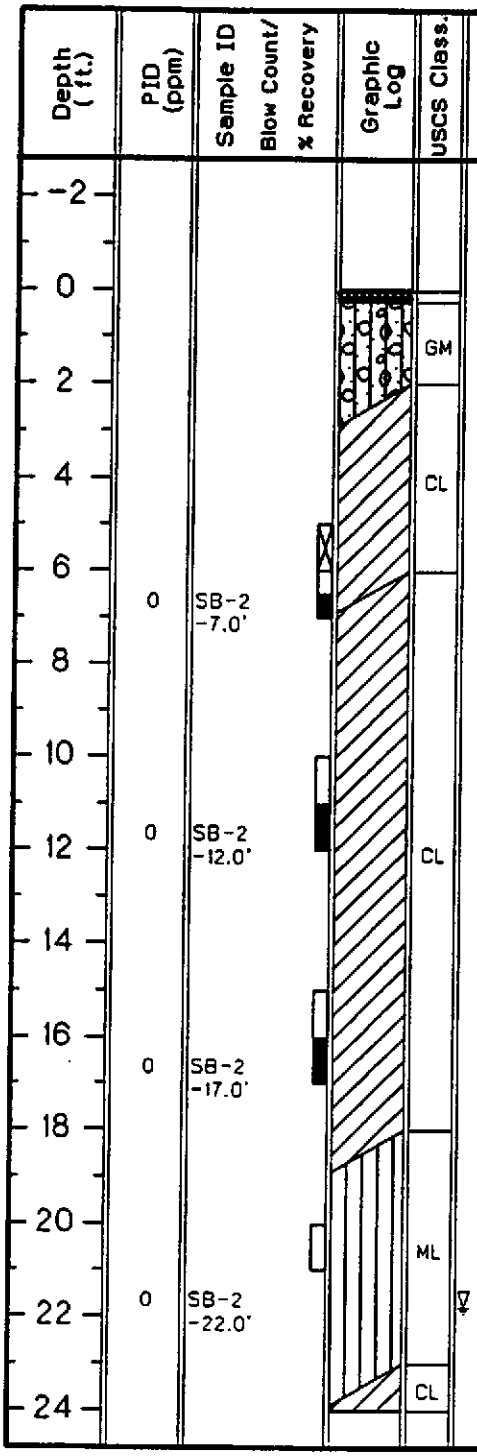
Soil Boring SB-2

Project Chevron - Dublin — Owner Chevron U.S.A. Products Company
Location 7007 San Ramon Road, Dublin, CA — Proj. No. 02070 0156
Surface Elev. ____ — Total Hole Depth 27 ft. — Diameter 2 in.
Top of Casing ____ — Water Level Initial 21.8 ft. — Static ____
Screen: Dia ____ — Length ____ — Type/Size ____
Casing: Dia ____ — Length ____ — Type ____
Fill Material Neat Cement — Rig/Core Geoprobe/Polytube HDP
Drill Co. Kvilhaug — Method Geoprobe
Driller Mike Crocker — Log By Brian McAloon — Date 07/12/95 — Permit # 95361
Checked By Ed Simonis — License No. RG#4422

See Site Map For Boring Location

COMMENTS:

Collected "GRAB" groundwater samples.



Description

(Color, Texture, Structure)
Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%

3" Asphalt

Silty GRAVEL (40,60): brown, dry, no hydrocarbon odor (backfill).

Silty CLAY: brown.

Sandy silty CLAY (10,30,60): brown, damp, no hydrocarbon odor.

Clayey SILT (40,60): olive-gray, damp to moist, no hydrocarbon odor.

Encountered Water (Drillers Call)

Silty CLAY (30,70): olive-gray, damp, no hydrocarbon odors.

GROUNDWATER TECHNOLOGY

Drilling Log

Soil Boring SB-2

Project Chevron - Dublin Owner Chevron U.S.A. Products Company
Location 7007 San Ramon Road, Dublin, CA Proj. No. 02070 0156

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
24						Silty CLAY (cont)
26	2	SB-2 -27.0'			CL	
28						End of Boring. Backfilled with neat cement 07/12/95.
30						
32						
34						
36						
38						
40						
42						
44						
46						
48						
50						
52						
54						
56						

Drilling Log

GROUNDWATER TECHNOLOGY

Soil Boring SB-3

Project Chevron - Dublin Owner Chevron U.S.A. Products Company
Location 7007 San Ramon Road, Dublin, CA Proj. No. 02070 0156
Surface Elev. ____ Total Hole Depth 27 ft. Diameter 2 in.
Top of Casing ____ Water Level Initial 21.8 ft. Static ____
Screen: Dia ____ Length ____ Type/Size ____
Casing: Dia ____ Length ____ Type ____
Fill Material Neat Cement Rig/Core Geoprobe/Polytube HDP
Drill Co. Kvilhaug Method Geoprobe
Driller Mike Crocker Log By Brian McAloon Date 07/12/95 Permit # 95361
Checked By Ed Simonis License No. RG#4422

See Site Map For Boring Location

COMMENTS:

Collected "GRAB" groundwater samples.

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					3" Asphalt
2				GM	Silty GRAVEL (40,60): brown, dry.
4				CL	Silty CLAY (35,65): brown, dry, no hydrocarbon odor.
6	0	SB-3 -7.0'		CL	Gravelly silty CLAY (10,30,60): brown, dry to damp, no hydrocarbon odor.
8					
10				CL	Sandy silty CLAY (10,40,50): brown, damp, no hydrocarbon odor.
12	0	SB-3 -12.0'			
14					Sandy silty CLAY (10,30,60): brown with 5% white mottling, damp, no hydrocarbon odor.
16	0	SB-3 -17.0'			
18				CL	
20					
22	0	SB-3 -22.0'			*Encountered Water (Drillers Call)*
24					

GROUNDWATER TECHNOLOGY

Drilling Log

Soil Boring SB-3

Project *Chevron - Dublin* Owner *Chevron U.S.A. Products Company*

Location *7007 San Ramon Road, Dublin, CA* Proj. No. *02070 0156*

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
24					Sandy silty CLAY (20,20,60): brown, damp to moist, no hydrocarbon odor.
26	0	SB-3 -27.0'		CL	
28					End of Boring. Backfilled with neat cement 07/12/95.
30					
32					
34					
36					
38					
40					
42					
44					
46					
48					
50					
52					
54					
56					

APPENDIX C

LABORATORY REPORTS AND CHAIN-OF-CUSTODY MANIFEST

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region
4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*
(510) 825-0720 (FAX)

August 3, 1995

Jason Fedota
Groundwater Technology, Inc.
1401 Halyard Dr. #140
W. Sacramento, CA 95691

RE: GTEL Client ID: 020700156
Login Number: C5070156
Project ID (number): 020700156
Project ID (name): Chevron/#9-5542/7007 San Ramon Rd., Dublin, CA

Dear Jason Fedota:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 07/15/95.

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.

Rashmi Shah
Laboratory Director

GTEL Client ID: 020700156
Login Number: C5070156
Project ID (number): 020700156
Project ID (name): Chevron/#9-5542/7007 San Ramon Rd., Dublin, CA

ANALYTICAL RESULTS

Volatile Organics
Method: EPA8020/15
Matrix: Aqueous

	GTEL Sample Number	C5070156-01	C5070156-02	C5070156-03	--
	Client ID	SB1-GW	SB2-GW	SB3-GW	--
	Date Sampled	07/12/95	07/12/95	07/12/95	--
	Date Analyzed	07/25/95	07/21/95	07/25/95	--
	Dilution Factor	25.0	10.0	1.00	--

Analyte	Reporting Limit	Units	Concentration:			
Benzene	0.5	ug/L	470	< 5.0	< 0.5	--
Toluene	0.5	ug/L	200	< 5.0	3.1	--
Ethylbenzene	0.5	ug/L	210	72.	< 0.5	--
Xylenes (total)	0.5	ug/L	2100	52.	< 0.5	--
TPH as GAS	50.	ug/L	65000	2900	< 50.	--
BFB (Surrogate)	--	%	120.	103.	108.	--

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.

C5070156-02:

Detection limit raised due to high levels of hydrocarbons.

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: 020700156
Login Number: C5070156
Project ID (number): 020700156
Project ID (name): Chevron/#9-5542/7007 San Ramon Rd., Dublin, CA

ANALYTICAL RESULTS

Volatile Organics
Method: EPA8020/15
Matrix: Solids

GTEL Sample Number	C5070156-04	--	--	--
Client ID	SP-1 & SP-2	--	--	--
Date Sampled	07/12/95	--	--	--
Date Analyzed	07/20/95	--	--	--
Dilution Factor	1.00	--	--	--

Analyte	Reporting Limit	Units	Concentration:Wet Weight			
Benzene	0.005	mg/kg	< 0.005	--	--	--
Toluene	0.005	mg/kg	< 0.005	--	--	--
Ethylbenzene	0.005	mg/kg	< 0.005	--	--	--
Xylenes (total)	0.015	mg/kg	< 0.015	--	--	--
TPH as GAS	1.0	mg/kg	< 1.0	--	--	--
BFB (Surrogate)	--	%	83.9	--	--	--

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. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: 020700156 QUALITY CONTROL RESULTS
Login Number: C5070156 Volatile Organics
Project ID (number): 020700156 Method: EPA8020/15
Project ID (name): Chevron/#9-5542/7007 San Ramon Rd., Dublin, CA Matrix: Aqueous

Laboratory Control Sample Summary

Analyte	Spike Amount	Check Sample Concentration	QC Percent Recovery	Acceptability Limits Recovery
EPA8020/15 Units:ug/L	QC Batch:Q072095-1			
Benzene	20.0	20.8	104.	71.5-121%
Toluene	20.0	20.6	103.	72.4-124%
Ethylbenzene	20.0	20.9	105.	73.3-124%
Xylenes (Total)	60.0	62.7	105.	71.9-130%

Notes:

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: 020700156 QUALITY CONTROL RESULTS
Login Number: C5070156 Volatile Organics
Project ID (number): 020700156 Method: EPA8020/15
Project ID (name): Chevron/#9-5542/7007 San Ramon Rd., Dublin, CA Matrix: Aqueous

Matrix Spike and Matrix Spike Duplicate Results

Analyte	Original Concentration	Spike Amount	Matrix Spike Concentration	Matrix Spike Recovery, %	Matrix Spike Duplicate Concentration	Matrix Spike Duplicate Recovery, %	RPD, %	Acceptability Limits RPD, %	Acceptability Limits Recovery, %
EPA8020/15	GTEL Sample ID:C5070076-01		Spike ID:Q072095-3		Dup. ID:Q072095-4				
Units: ug/L	Analysis Date:12-JUL-95		20-JUL-95		21-JUL-95		Client ID:Batch QC		
Benzene	< 0.50	20.0	22.0	110.	22.1	111.	0.9	34	57.3-138%
Toluene	< 0.50	20.0	21.5	108.	21.6	108.	0	31	63-134%
Ethylbenzene	< 0.50	20.0	21.7	109.	21.9	110.	0.9	38	59.3-137%
Xylenes (Total)	< 0.50	60.0	63.6	106.	63.2	105.	0.9	31	59.3-144%

Notes:

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: 020700156
Login Number: C5070156
Project ID (number): 020700156
Project ID (name): Chevron/#9-5542/7007 San Ramon Rd., Dublin, CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA8020/15
Matrix: Aqueous

Method Blank Results

QC Batch No: Q072095-2
Date Analyzed: 20-JUL-95

Analyte	Method:EPA8020/15 Concentration: ug/L
Benzene	< 0.30
Toluene	< 0.30
Ethylbenzene	< 0.30
Xylenes (Total)	< 0.50
TPH as Gasoline	< 50.0

Notes:

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: 020700156 QUALITY CONTROL RESULTS
Login Number: C5070156 Volatile Organics
Project ID (number): 020700156 Method: EPA8020/15
Project ID (name): Chevron/#9-5542/7007 San Ramon Rd., Dublin, CA Matrix: Solids

Method Blank Results

QC Batch No: F072095-1
Date Analyzed: 20-JUL-95

Analyte	Method:EPA8020/15 Concentration: mg/kg
Benzene	< 0.0050
Toluene	< 0.0050
Ethylbenzene	< 0.0050
Xylenes (Total)	< 0.015
TPH as Gasoline	< 1.0

Notes:

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: 020700156 QUALITY CONTROL RESULTS
Login Number: C5070156 Volatile Organics
Project ID (number): 020700156 Method: EPA8020/15
Project ID (name): Chevron/#9-5542/7007 San Ramon Rd., Dublin, CA Matrix: Solids

Laboratory Control Sample Summary

Analyte		Spike Amount	Check Sample Concentration	QC Percent Recovery	Acceptability Limits Recovery
EPA8020/15	Units:mg/kg	QC Batch:F072095-2			
Benzene		0.0500	0.0416	83.2	70-120%
Toluene		0.0500	0.0456	91.2	70-121%
Ethylbenzene		0.0500	0.0410	82.0	70-123%
Xylenes (Total)		0.150	0.136	90.7	70-130%

Notes:

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Matrix Spike and Matrix Spike Duplicate Results

Analyte	Original Concentration	Spike Amount	Matrix Spike Concentration	Matrix Spike Recovery, %	Matrix Spike Duplicate Concentration	Matrix Spike Duplicate Recovery, %	RPD, %	Acceptability Limits RPD, %	Acceptability Limits Recovery, %
EPA8020/15 GTEL Sample ID:C5070172-01			Spike ID:F072095-3		Dup. ID:F072095-4				
Units: mg/kg Analysis Date:19-JUL-95			20-JUL-95		20-JUL-95		Client ID:Batch QC		
Benzene	< 0.0050	0.0500	0.0358	71.6	0.0403	80.6	11.8	40	48.8-129%
Toluene	< 0.0050	0.0500	0.0396	79.2	0.0451	90.2	13	40	52-123%
Ethylbenzene	< 0.0050	0.0500	0.0357	71.4	0.0410	82.0	13.8	40	55.4-122%
Xylenes (Total)	< 0.015	0.150	0.113	74.9	0.126	83.5	10.9	40	55.1-130%

Notes:

Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: 020700156
Project ID: Chevron
#9-5542
7007 San Ramon Rd.
Dublin, CA
Login Number: C5-07-0156

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:
SV:
Metals:
Wet Chem:

9 Comments:

GTEL ENVIRONMENTAL LABORATORIES, INC.

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ 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 9-5542
Facility Address 7007 SAN RAMON RD., DUBLIN, CALIF.
Consultant Project Number 02070-0156
Consultant Name GROUNDWATER TECHNOLOGY
Address 1401 HALYARD DR. #140, WEST SACRAMENTO, CA.
Project Contact (Name) JASON FEDOTA
(Phone) 916-372-4700 (Fax Number) 916-372-8781

Chevron Contact (Name) BRETT HUNTER
(Phone) 510-842-9500
Laboratory Name GTEL
Laboratory Release Number 3499490
Samples Collected by (Name) BRIAN MCALOON (BPM)
Collection Date 7-12-95
Signature

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)	Analyses To Be Performed: 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
SB1-GW	01	3	W		15:25	HCl	Y	X													
SB2-GW	02	3	↓		11:34	↓	↓	X													
SB3-GW	03	3	↓		13:16	↓	↓	X													
SP-1	04	1	S		16:28	NONE	↓	X													COMPOSITE 2
SP-2	L	1	↓		16:29	↓	↓	X													SOIL SPLS INTO 1
																	6°C				
															CS	07	01	56			

NOTE:
DO NOT BILL
TB-LB SAMPLES

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	GTI	7/15/95 14:20			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time 7/18/95 9:30

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