



**Northwest Region**  
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January 24, 1995

Ed Morales  
 Sierra Environmental Services  
 P.O. Box 2546  
 Martinez, CA 94553

Post-It™ brand fax transmittal memo 7671		# of pages >
To <i>Ken Kan</i>	From	
Co.	Co.	
Dept.	Phone #	
Fax # <i>842-8252</i>	Fax #	

RE: GTEL Client ID: SIE01CHV08  
 Login Number: C5010251  
 Project ID (number): 1-289-04  
 Project ID (name): Chevron/#9-8139/16304 Foothill Blvd., San Leandro, CA

Dear Ed Morales:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 01/20/95.

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.

*William Shah*

*for*  
 Rashmi Shah  
 Laboratory Director

GTEL Client ID: SIE01CHV08  
 Login Number: C5010251  
 Project ID (number): 1-289-04  
 Project ID (name): Chevron/#9-8139/16304 Foothill Blvd., San Leandro, CA

## ANALYTICAL RESULTS

Volatile Organics  
 Method: EPA 8020  
 Matrix: Aqueous

GTEL Sample Number	C5010251-01	C5010251-02	C5010251-03	C5010251-04
Client ID	TB	MW-5	MW-2	MW-10
Date Sampled	01/19/95	01/19/95	01/19/95	01/19/95
Date Analyzed	01/22/95	01/22/95	01/22/95	01/22/95
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:			
	Limit	Units				
Benzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.5	ug/L	< 0.5	3.1	2.3	< 0.5
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes (total)	0.5	ug/L	< 0.5	0.6	< 0.5	< 0.5
TPH as GAS	50	ug/L	< 50	< 50	< 50	< 50
BFB (Surrogate)	--	%	92.0	91.5	86.6	98.5

Notes:Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"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 Concord, CA  
 C5010251:1

GTEL Client ID: SIE01CHV08  
 Login Number: C5010251  
 Project ID (number): 1-289-04  
 Project ID (name): Chevron/#9-8139/16304 Foothill Blvd., San Leandro, CA

## ANALYTICAL RESULTS

Volatile Organics  
 Method: EPA 8020  
 Matrix: Aqueous

GTEL Sample Number	C5010251-05	C5010251-06	C5010251-07	C5010251-08
Client ID	MW-8	MW-9	MW-11	MW-7
Date Sampled	01/19/95	01/19/95	01/19/95	01/19/95
Date Analyzed	01/22/95	01/22/95	01/22/95	01/22/95
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:			
	Limit	Units				
Benzene	0.5	ug/L	< 0.5	1.6	< 0.5	< 0.5
Toluene	0.5	ug/L	3.1	4.3	1.8	1.4
Ethylbenzene	0.5	ug/L	< 0.5	1.5	< 0.5	< 0.5
Xylenes (total)	0.5	ug/L	0.7	11.	< 0.5	< 0.5
TPH as GAS	50.	ug/L	< 50.	380	< 50.	< 50.
BFB (Surrogate)	--	%	99.4	99.2	95.2	94.1

Notes:Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"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 Concord, CA  
 C5010251:2

GTEL Client ID: SIE01CHV08 ANALYTICAL RESULTS  
 Login Number: C5010251  
 Project ID (number): 1-289-04  
 Project ID (name): Chevron/9-8139/16304 Foothill Blvd., San Leandro, CA

Volatile Organics  
 Method: EPA 8020  
 Matrix: Aqueous

GTEL Sample Number	C5010251-09	C5010251-10	C5010251-11	C5010251-12
Client ID	PA-1	PA-3	EV-2	EV-3
Date Sampled	01/19/95	01/19/95	01/19/95	01/19/95
Date Analyzed	01/22/95	01/23/95	01/22/95	01/22/95
Dilution Factor	1.00	50.0	1.00	1.00

Analyte	Reporting		Concentration:			
	Limit	Units				
Benzene	0.5	ug/L	< 0.5	9300	540	1600
Toluene	0.5	ug/L	< 0.5	36	69	100
Ethylbenzene	0.5	ug/L	< 0.5	1600	56	350
Xylenes (total)	0.5	ug/L	< 0.5	740	408	768
TPH as GAS	50	ug/L	< 50	17000	1700	3000
BFB (Surrogate)	--	%	96.8	95.0	101	93.1

**Notes:****Dilution Factor:**

Dilution factor indicates the adjustments made for sample dilution.

**EPA 8020:**

"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.

**C5010251-10:**

Uncategorized compound is not included in gasoline concentration.

**C5010251-11:**

Uncategorized compound is not included in gasoline concentration. Data obtained from multiple dilutions. Dilution factor noted represents the dilution used for majority of results.

**C5010251-12:**

Uncategorized compound is not included in gasoline concentration. Data obtained from multiple dilutions. Dilution factor noted represents the dilution used for majority of results.

GTEL Concord, CA  
 C5010251:3

GTEL Client ID: SIE01CHV08 ANALYTICAL RESULTS  
 Login Number: C5010251  
 Project ID (number): 1-289-04  
 Project ID (name): Chevron/9-8139/16304 Foothill Blvd., San Leandro, CA

Volatile Organics  
 Method: EPA 8020  
 Matrix: Aqueous

GTEL Sample Number C5010251-13  
 Client ID EW-3  
 Date Sampled 01/19/95  
 Date Analyzed 01/23/95  
 Dilution Factor 1.00

Analyte	Reporting		Concentration:			
	Limit	Units				
Benzene	0.5	ug/L	45	--	--	--
Toluene	0.5	ug/L	0.8	--	--	--
Ethylbenzene	0.5	ug/L	22	--	--	--
Xylenes (total)	0.5	ug/L	48	--	--	--
TPH as GAS	50	ug/L	240	--	--	--
BFB (Surrogate)	--	%	96.6	--	--	--

**Notes:****Dilution Factor:**

Dilution factor indicates the adjustments made for sample dilution.

**EPA 8020:**

"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.

**C5010251-13:**

Uncategorized compound is not included in gasoline concentration.

GTEL Concord, CA  
 C5010251:4

GTEL Client ID: SIE01CHV08  
Login Number: C5010251  
Project ID (number): 1-289-04  
Project ID (name): Chevron/#9-8139/16304 Foothill Blvd., San Leandro, CA

## QUALITY CONTROL RESULTS

Volatile Organics  
Method: EPA 8020  
Matrix: Aqueous

## Method Blank Results

QC Batch No: G012295-1  
Date Analyzed: 22-JAN-95

Analyte	Method: EPA 8020	Concentration: ug/L
Benzene	< 0.30	
Toluene	< 0.30	
Ethylbenzene	< 0.30	
Xylenes (Total)	< 0.50	
TPH as Gasoline	< 10	

Notes:

GTEL Client ID: SIE01CHV08

## QUALITY CONTROL RESULTS

Login Number: C5010251

Volatile Organics

Project ID (number): 1-289-04

Method: EPA 8020

Project ID (name): Chevron/#9-8139/16304 Foothill Blvd., San Leandro, CA

Matrix: Aqueous

## Matrix Spike and Matrix Spike Duplicate Results

Analyte	Original Concentration	Spike Amount	Matrix		Matrix Spike		Acceptability Limits		
			Spike Concentration	Recovery, %	Duplicate Concentration	Duplicate Recovery, %	RPD, %	RPD, %	Recovery, %
EPA 8020	GTEL Sample ID: C5010245-08		Spike ID: G012295-3		Dup. ID: G012295-4				
Units: ug/L	Analysis Date: 21-JAN-95		22-JAN-95		23-JAN-95		Client ID: Batch QC		
Benzene	< 0.50	20.0	23.7	119.	24.2	121.	1.6	34	57.3-138%
Toluene	< 0.50	20.0	22.8	114.	23.6	118.	3.4	31	63-134%
Ethylbenzene	< 0.50	20.0	22.9	115.	23.1	116.	0.8	38	59.3-132%
Xylenes (Total)	< 0.50	60.0	72.1	120.	74.3	124.	3.2	31	59.3-144%

Notes:

