

Environmental Management
Company
6001 Bollinger Canyon Rd, K2256
P.O. Box 6012
San Ramon, CA 94583-2324
Tel 925-842-1589
Fax 925-842-8370

J. Mark Inglis
Project Manager

202466 ✓

ChevronTexaco

March 23, 2005

Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Alameda County

MAR 25 2005

Environmental Health

Re: Chevron Service Station #206127

Address: 2301-2337 Blanding Ave., Alameda, California

I have reviewed the attached routine groundwater monitoring report dated March 8, 2005.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Gettler-Ryan, Inc., upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,


J. Mark Inglis
Project Manager

Enclosure: Report



GETTLER-RYAN INC.

TRANSMITTAL

Alameda County

March 8, 2005

MAR 25 2005

G-R #386498

Environmental Health

TO: Mr. Robert Foss
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

CC: Mr. Mark Inglis
ChevronTexaco Company
P.O. Box 6012, Room K2256
San Ramon, California 94583

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: **Chevron #206127**
2301-2337 Blanding Avenue
Alameda, California
(Former Signal Oil Marine Terminal)

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	March 4, 2005	Groundwater Monitoring and Sampling Report First Quarter - Event of January 28, 2005

COMMENTS:

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **March 22, 2005**, at which time the final report will be distributed to the following:

cc: Mr. Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577

Enclosures

trans/206127-MI



GETTLER-RYAN INC.

March 4, 2005
G-R Job #386498

Mr. Mark Inglis
ChevronTexaco Company
P.O. Box 6012, Room K2256
San Ramon, CA 94583

RE: First Quarter Event of January 28, 2005
Groundwater Monitoring & Sampling Report
Chevron #206127 (Former Signal Oil Marine Terminal)
2301-2337 Blanding Avenue
Alameda, California

Dear Mr. Inglis:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater level was measured and the well was checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevation, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Groundwater Elevation Map is included as Figure 1.

Groundwater samples were collected from the monitoring well and submitted to a state certified laboratory for analyses. The field data sheet for this event is attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

Deanna L. Harding
Project Coordinator

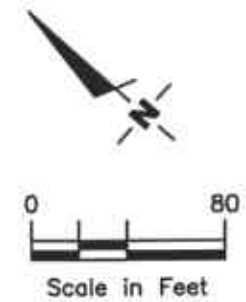
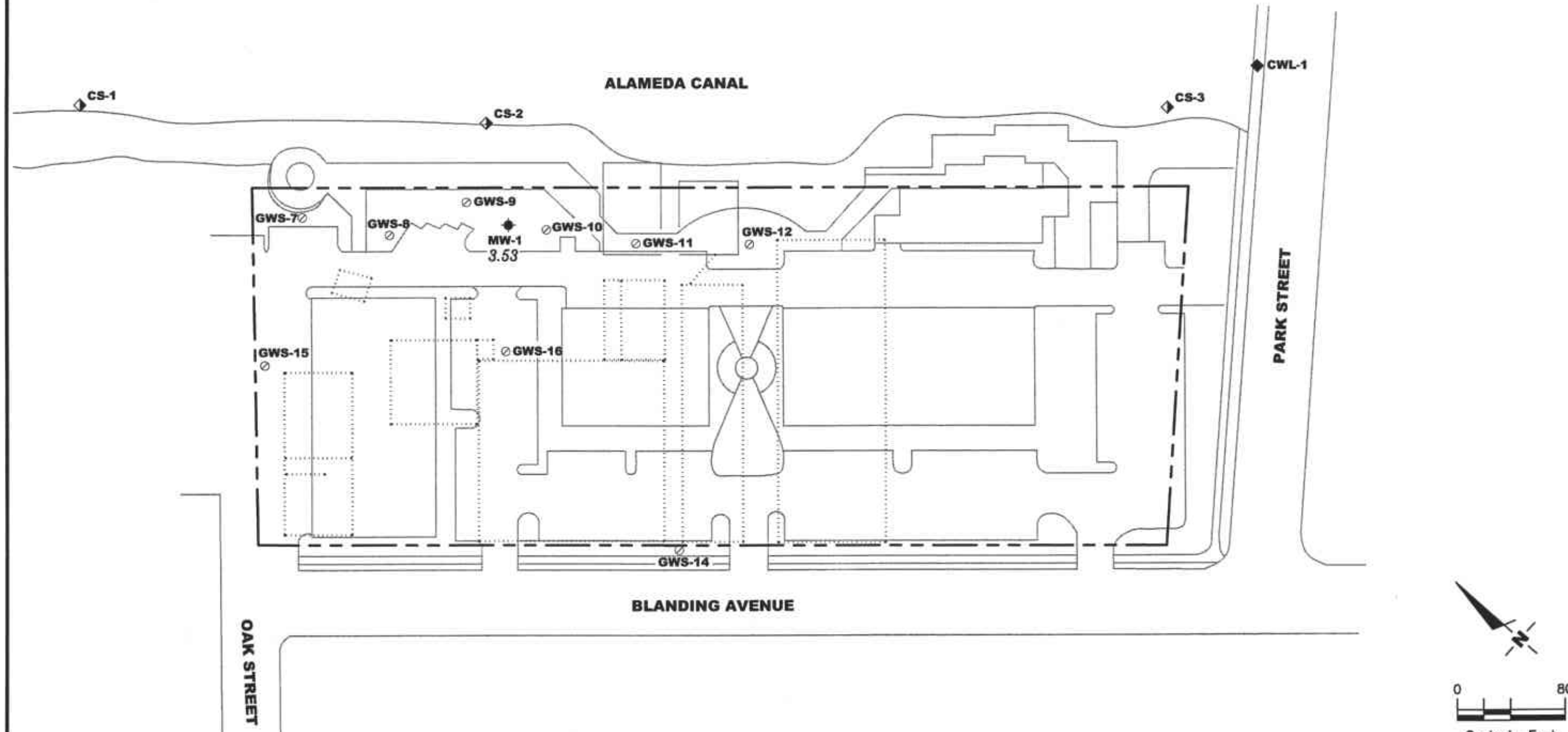
Hagop Kevork
P.E. No. C55734



Figure 1: Groundwater Elevation Map
Table 1: Groundwater Monitoring Data and Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

EXPLANATION

- ◆ Groundwater monitoring well
 - ◆ Canal water level gauging station from Park Street Bridge (RRM, October 1998)
 - ◇ Canal grab surface water sample
 - ⊙ Shallow groundwater survey point (Geomatrix, April 1995)
 - ⋯ Site features noted on Sanborn Fire Insurance map, dated 1932
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level



GETTLER - RYAN INC.
 6747 Sierra Court, Suite J
 Dublin, CA 94568
 (925) 551-7555

GROUNDWATER ELEVATION MAP
 Chevron #206127 (Former Signal Oil Marine Terminal)
 2301-2337 Blanding Avenue
 Alameda, California

PROJECT NUMBER
346498

REVIEWED BY
 DATE
 January 28, 2005

REVISED DATE

FIGURE

1

Source: Figure modified from drawing provided by RRM engineering contracting firm.

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron #206127 (Former Signal Oil Marine Terminal)
2301-2337 Blanding Avenue
Alameda, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-C (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1										
01/23/01 ¹	--	7.16	--	1,100 ^{2,3}	5,210 ⁴	868	<50.0	<50.0	<50.0	<250
04/09/01	10.62	8.12	2.50	1,200 ⁶	3,000 ⁵	920	<20	<20	<20	<100
07/30/01	10.62	9.15	1.47	550 ^{3,8}	2,000 ⁷	730	13	<5.0	<5.0	<25
10/08/01	10.62	7.86	2.76	2,200 ⁹	1,200	120	2.4	5.9	6.4	<2.5
01/13/02	10.62	7.02	3.60	3,300 ³	930	320	0.78	0.87	3.8	<2.5
04/08/02	10.62	9.60	1.02	1,200 ³	960	50	1.4	2.6	9.0	<2.5
07/31/02	10.62	9.27	1.35	2,800 ³	930	64	1.4	1.9	11	<5.0
10/15/02	10.62	8.00	2.62	1,000 ³	620	25	0.78	1.4	4.3	<2.5
01/14/03	10.62	7.05	3.57	960 ³	1,600	20	1.3	1.3	<1.5	<2.5
04/15/03	10.62	8.02	2.60	920 ³	870	56	1	1.4	3.1	<2.5
07/16/03 ¹⁰	10.62	10.08	0.54	1,400 ³	780	85	1	0.8	0.7	<0.5
10/18/03 ¹⁰	10.62	8.51	2.11	1,200 ³	640	42	0.8	<0.5	0.5	<0.5
01/22/04 ¹⁰	10.62	8.95	1.67	1,500 ³	440	18	<0.5	<0.5	<0.5	<0.5
04/23/04 ¹⁰	10.62	8.95	1.67	2,200 ³	410	10	<0.5	<0.5	<0.5	<0.5
07/23/04 ¹⁰	10.62	9.21	1.41	1,800 ³	400	6	<0.5	<0.5	<0.5	<0.5
10/22/04 ¹⁰	10.62	8.36	2.26	2,200 ³	150	2	<0.5	<0.5	<0.5	<0.5
01/28/05 ¹⁰	10.62	7.09	3.53	1,200 ³	55	8	<0.5	<0.5	<0.5	<0.5
CS-2										
07/30/01	--	--	--	140 ^{3,5}	<50	<0.50	<0.50	<0.50	<0.50	<2.5
10/08/01	--	--	--	53 ⁹	<50	<0.50	<0.50	<0.50	<1.5	<2.5
01/13/02	--	--	--	<50 ³	<50	<0.50	<0.50	<0.50	<1.5	<2.5
04/08/02	--	--	--	77 ³	<50	<0.50	<0.50	<0.50	<1.5	<2.5
07/31/02	--	--	--	<50 ³	<50	<0.50	<0.50	<0.50	<1.5	<2.5
10/15/02	--	--	--	<50 ³	<50	<0.50	<0.50	<0.50	<1.5	<2.5
01/14/03	--	--	--	<50 ³	<50	<0.50	<0.50	<0.50	<1.5	<2.5
04/15/03	--	--	--	<50 ³	<50	<0.5	<0.5	<0.5	<1.5	<2.5
07/16/03 ¹⁰	--	--	--	<50 ³	<50	<0.5	0.7	<0.5	0.6	<0.5
10/18/03 ¹⁰	--	--	--	<50 ³	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/22/04 ¹⁰	--	--	--	<50 ³	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron #206127 (Former Signal Oil Marine Terminal)
 2301-2337 Blanding Avenue
 Alameda, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
CS-2 (cont)										
04/23/04 ¹⁰	--	--	--	<50 ³	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/23/04 ¹⁰	--	--	--	<50 ³	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/22/04 ¹⁰	--	--	--	<50 ³	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/28/05 ¹⁰	--	--	--	<50 ³	<50	<0.5	<0.5	<0.5	<0.5	<0.5
Trip Blank										
TB-LB										
01/23/01	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
04/09/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/30/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA										
10/08/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
01/13/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
04/08/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
07/31/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
10/15/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
01/14/03	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
04/15/03	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
07/16/03 ¹⁰	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/18/03 ¹⁰	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/22/04 ¹⁰	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/23/04 ¹⁰	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/23/04 ¹⁰	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/22/04 ¹⁰	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/28/05 ¹⁰	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron #206127 (Former Signal Oil Marine Terminal)
 2301-2337 Blanding Avenue
 Alameda, California

EXPLANATIONS:

TOC = Top of Casing	TPH-G = Total Petroleum Hydrocarbons as Gasoline	(ppb) = Parts per billion
(ft.) = Feet	B = Benzene	-- = Not Measured/Not Analyzed
DTW = Depth to Water	T = Toluene	CS-2 = Creek Sample
GWE = Groundwater Elevation	E = Ethylbenzene	QA = Quality Assurance/Trip Blank
(msl) = Mean sea level	X = Xylenes	
TPH-D = Total Petroleum Hydrocarbons as Diesel	MTBE = Methyl tertiary butyl ether	

* TOC elevations were surveyed on January 25, 2001, by Virgil Chavez Land Surveying. The benchmark used for the survey was a City of Alameda benchmark being a cut square at the centerline return, south corner of Oak and Blanding, (Benchmark Elevation = 8.236 feet, NGVD 29).

- 1 Well development performed.
- 2 Laboratory report indicates unidentified hydrocarbons <C16.
- 3 TPH-D with silica gel cleanup.
- 4 Laboratory report indicates weathered gasoline C6-C12.
- 5 Laboratory report indicates discrete peaks.
- 6 Laboratory report indicates diesel C9-C24 + unidentified hydrocarbons <C16.
- 7 Laboratory report indicates gasoline C6-C12.
- 8 Laboratory report indicates unidentified hydrocarbons C9-C24.
- 9 Analysis performed without silica gel cleanup although was requested on the Chain of Custody.
- 10 BTEX and MTBE by EPA Method 8260.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. 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 prevention 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 an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

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

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical 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, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered 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 ChevronTexaco Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206127 Job Number: 386498
 Site Address: 2301-2337 Blanding Avenue Event Date: 1-28-05 (inclusive)
 City: Alameda, CA Sampler: Joe

Well ID: MW-1 Date Monitored: 1-28-05 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 17.16 ft.
 Depth to Water: 7.09 ft.
10.07 xVF 0.17 = 1.71 x3 case volume = Estimated Purge Volume: 5.5 gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:

Disposable Bailer
 Stainless Steel Bailer
 Stack Pump
 Suction Pump
 Grundfos
 Other:

Sampling Equipment:

Disposable Bailer
 Pressure Bailer
 Discrete Bailer
 Other:

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1332 Weather Conditions: Showers
 Sample Time/Date: 1355 / 1-28-05 Water Color: clear Odor: yes
 Purging Flow Rate: 0.5 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/E)	D.O. (mg/L)	ORP (mV)
<u>1340</u>	<u>1.5</u>	<u>6.46</u>	<u>1941</u>	<u>63.8</u>		
<u>1344</u>	<u>3</u>	<u>6.49</u>	<u>1832</u>	<u>63.4</u>		
<u>1348</u>	<u>5.5</u>	<u>6.50</u>	<u>1830</u>	<u>63.7</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	<u>6</u> x vov vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)
	<u>2</u> x Amber	YES	NP	LANCASTER	TPH-Dw/sg

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206127 Job Number: 386498
 Site Address: 2301-2337 Blanding Avenue Event Date: 1-28-05 (inclusive)
 City: Alameda, CA Sampler: Joe

Well ID: CS-2 Date Monitored: 1-28-05 Well Condition: Creek Sample
 Well Diameter: _____ in.
 Total Depth: _____ ft.
 Depth to Water: _____ ft.
 _____ xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: Showers
 Sample Time/Date: 1320 1-28-05 Water Color: Clear Odor: None
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
CS-2	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)
	2 x Amber	YES	NP	LANCASTER	TPH-Dw/sg

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

Chevron California Region Analysis Request/Chain of Custody



04
02/05-83
RA

Acct. #: 10904

For Lancaster Laboratories use only
Sample #: 4457277-279

Group# 930264
SCR#:

Facility #: SS#206127 G-R#386498 Global ID#
 Site Address: 2301-2337 BLANDING AVENUE, ALAMEDA, CA
 Chevron PMS _____ Lead Consultant: GAMBRIA
 Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568
 Consultant Prj. Mgr: Deanna L. Harding (deanna@grinc.com)
 Consultant Phone: 925-551-7555 Fax: 925-551-7899
 Sampler: JOE ASEMIAN
 Service Order #: _____ Non SAR:

Matrix		Analyses Requested									
		Preservation Codes									
Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	7421
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy s on highest hit
 Run ___ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	7421
QA			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MW-1	1-28-05	1355	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CS-2	11	1320	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
 STD. TAT 72 hour 48 hour
 24 hour 4 day 5 day

Data Package Options (please circle if required)
 QC Summary Type I — Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>2-1-05</u>	Time: <u>1450</u>	Received by: <u>[Signature]</u>	Date: <u>2/1/05</u>	Time: <u>1450</u>
Relinquished by: <u>[Signature]</u>	Date: <u>2/1/05</u>	Time: <u>1515</u>	Received by: <u>FoEx</u>	Date: <u>2/1/05</u>	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by Commercial Carrier: UPS FedEx Other _____	Temperature Upon Receipt: <u>17-28 c°</u>		Received by: <u>[Signature]</u>	Date: <u>2/2/05</u>	Time: <u>0915</u>
			Custody Seals Intact? <u>Yes</u> No		



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 930264. Samples arrived at the laboratory on Wednesday, February 02, 2005. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
QA-T-050128	NA Water	4457277
MW-1-W-050128	Grab Water	4457278
CS-2-W-050128	Grab Water	4457279

1 COPY TO
ELECTRONIC
COPY TO

Cambria C/O Gettler- Ryan
Gettler-Ryan

Attn: Deanna L. Harding
Attn: Cheryl Hansen



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2661 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Megan A Moeller at (717) 656-2300.

Respectfully Submitted,

Melissa A. McDermott

Melissa A. McDermott
Senior Chemist



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4457277

QA-T-050128 NA Water
 Facility# 206127 Job# 386498 GRD
 2301-2337 Blanding Ave T0600101574 QA
 Collected: 01/28/2005

Account Number: 10904

Submitted: 02/02/2005 09:15
 Reported: 02/11/2005 at 11:24
 Discard: 03/14/2005

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

BLAQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters	n.a.	N.D.		50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
06054	BTEX+MTBE by 8260B						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05407	Toluene	108-88-3	N.D.		0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.		0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	02/05/2005 12:16		K. Robert Caulfeild-James	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	02/08/2005 10:21		Ginelle L Haines	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/05/2005 12:16		K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/08/2005 10:21		Ginelle L Haines	n.a.

Lancaster Laboratories Sample No. WW 4457278

 MW-1-W-050128 Grab Water
 Facility# 206127 Job# 386498 GRD
 2301-2337 Blanding Ave T0600101574 MW-1
 Collected: 01/28/2005 13:55 by JA

Account Number: 10904

 Submitted: 02/02/2005 09:15
 Reported: 02/11/2005 at 11:24
 Discard: 03/14/2005

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

BLAM1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	55.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06610	TPH-DRO CALUFT(Water) w/Si Gel	n.a.	1,200.	50.	ug/l	1
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	B.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	02/05/2005 18:03	K. Robert Caulfeild-James	1
06610	TPH-DRO CALUFT(Water) w/Si Gel	CALUFT-DRO/8015B, Modified	1	02/07/2005 11:10	Tracy A Cole	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	02/07/2005 14:53	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/05/2005 18:03	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/07/2005 14:53	Anita M Dale	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	02/04/2005 10:00	Amanda W Herr	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. **WW 4457279**

CS-2-W-050128 Grab Water
Facility# 206127 Job# 386498 GRD
2301-2337 Blanding Ave T0600101574 CS-2
Collected: 01/28/2005 13:20 by JA

Account Number: 10904

Submitted: 02/02/2005 09:15
Reported: 02/11/2005 at 11:24
Discard: 03/14/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BLAC2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	N.D.		50.	ug/l	1
06610	TPH-DRO CALUFT(Water) w/Si Gel	n.a.	N.D.		50.	ug/l	1
06054	BTEX+MTBE by 8260B						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05407	Toluene	108-88-3	N.D.		0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.		0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	02/05/2005 18:32	K. Robert Caulfeild-James	1
06610	TPH-DRO CALUFT(Water) w/Si Gel	CALUFT-DRO/8015B, Modified	1	02/07/2005 11:34	Tracy A Cole	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	02/08/2005 11:06	Ginelle L Haines	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/05/2005 18:32	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/08/2005 11:06	Ginelle L Haines	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	02/04/2005 10:00	Amanda W Herr	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/11/05 at 11:24 AM

Group Number: 930264

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 050340018A TPH-DRO CALUFT (Water) w/Si Gel	N.D.	50.	Sample number(s): 4457278-4457279 ug/l	98	99	61-126	1	20
Batch number: 05036A08A TPH-GRO - Waters	N.D.	50.	Sample number(s): 4457277 ug/l	106	102	70-130	3	30
Batch number: 05036A08B TPH-GRO - Waters	N.D.	50.	Sample number(s): 4457278-4457279 ug/l	106	102	70-130	3	30
Batch number: Z050382AA Methyl Tertiary Butyl Ether	N.D.	0.5	Sample number(s): 4457278 ug/l	88		77-127		
Benzene	N.D.	0.5	ug/l	91		85-117		
Toluene	N.D.	0.5	ug/l	94		85-115		
Ethylbenzene	N.D.	0.5	ug/l	94		82-119		
Xylene (Total)	N.D.	0.5	ug/l	98		83-113		
Batch number: Z050391AA Methyl Tertiary Butyl Ether	N.D.	0.5	Sample number(s): 4457277, 4457279 ug/l	100		77-127		
Benzene	N.D.	0.5	ug/l	100		85-117		
Toluene	N.D.	0.5	ug/l	104		85-115		
Ethylbenzene	N.D.	0.5	ug/l	105		82-119		
Xylene (Total)	N.D.	0.5	ug/l	108		83-113		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 05036A08A TPH-GRO - Waters			Sample number(s): 4457277 121						
			63-154						
Batch number: 05036A08B TPH-GRO - Waters			Sample number(s): 4457278-4457279 121						
			63-154						
Batch number: Z050382AA Methyl Tertiary Butyl Ether			Sample number(s): 4457278 107						
Benzene			83	69-134	7	30			
Toluene			98	83-128	14	30			
Ethylbenzene			114	83-127	6	30			
Xylene (Total)			104	82-129	13	30			
			104	82-130	8	30			
Batch number: Z050391AA			Sample number(s): 4457277, 4457279						

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/11/05 at 11:24 AM

Group Number: 930264

Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS</u>	<u>MSD</u>	<u>MS/MSD</u>	<u>RPD</u>	<u>RPD</u>	<u>BKG</u>	<u>DUP</u>	<u>DUP</u>	<u>Dup RPD</u>
	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>1</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>	<u>Max</u>
Methyl Tertiary Butyl Ether	104	102	69-134	1	30				
Benzene	109	109	83-128	0	30				
Toluene	113	111	83-127	2	30				
Ethylbenzene	112	111	82-129	1	30				
Xylene (Total)	115	114	82-130	1	30				

Surrogate Quality Control

 Analysis Name: TPH-DRO CALUPT(Water) w/Si Gel
 Batch number: 050340018A
 Orthoterphenyl

4457278	107
4457279	107
Blank	111
LCS	121
LCSD	120

Limits: 57-128

 Analysis Name: TPH-GRO - Waters
 Batch number: 05036A08A
 Trifluorotoluene-F

4457277	101
Blank	99
LCS	103
LCSD	103
MS	103

Limits: 57-146

 Analysis Name: TPH-GRO - Waters
 Batch number: 05036A08B
 Trifluorotoluene-F

4457278	102
4457279	101
Blank	102
LCS	103
LCSD	103
MS	103

Limits: 57-146

 Analysis Name: BTEX+MTBE by 8260B
 Batch number: 2050382AA
 Dibromofluoromethane

4457278	104
Blank	100
LCS	100

1,2-Dichloroethane-d4

Toluene-d8

4-Bromofluorobenzene

87
85
86

96
96
95

86
83
86

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/11/05 at 11:24 AM

Group Number: 930264

Surrogate Quality Control

MS	101	87	95	87
MSD	101	90	95	87
Limits:	81-120	82-112	85-112	83-113
Analysis Name: BTEX+MTBE by 8260B				
Batch number: Z050391AA				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4457277	91	90	92	86
4457279	95	91	93	85
Blank	94	91	91	85
LCS	94	89	92	89
MS	93	91	92	90
MSD	93	91	92	89
Limits:	81-120	82-112	85-112	83-113

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
J	estimated value - The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns $>25\%$
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is $<$ CRDL, but \geq IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.