GETTLER-RYAN INC.

TRANSMITTAL

TO: Mr. Bob Cochran
Chevron Product Company
P.O. Box 6004
San Ramon, California 94583

DATE: September 20, 1999
PROJ. #: 346338.02
SUBJECT: Former Chevron #20-6142
333 23rd Avenue
Oakland, CA

FROM:
David Herzog
Geologist
Gettler-Ryan Inc.
3164 Gold Camp Drive, Suite 240
Rancho Cordova, California 95670

• Still have not addressed all my points in my 8/30/99 letter –

WE ARE SENDING YOU:

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1	September 20, 1999	Groundwater Monitoring Report

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COMMENTS:

If you have any questions, please call us in our Sacramento office at (916) 631-1300.

Cc: Mr. Barney Chan, Alameda County Health Care Services Agency
Mr. Roger Hoffmore, Secor International Inc.
Ms. Christine Lillie, Blaine Tech Services Inc.

ENVIRONMENTAL PROTECTION
99 SEP 22 PM 2:18

GETTLER-RYAN INC.

September 20, 1999

Bob Cochran
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583-0904

Subject: **Groundwater Monitoring and Sampling Report, Former Chevron Service Station No. 20-6142, 333 23rd Avenue, Oakland, California**

Mr. Cochran:

At the request of Chevron Products Company (Chevron), Gettler-Ryan Inc. (GR) monitored and sampled two groundwater monitoring wells at the subject site. The purpose of this sampling event was to confirm the second quarter analytical results (Blaine Tech Services, Inc. Report No. 990624-S-1, *2nd-Quarter 1999 Monitoring at 206142*, dated August 11, 1999).

On August 22, 1999, GR located monitoring well MW-14, and monitored and sampled groundwater monitoring wells MW-1 and MW-14. Static groundwater levels were measured in the wells and each well was checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in the wells. Static water level data and groundwater elevations are summarized in Table 1.

Groundwater samples were collected from the monitoring wells as specified by GR Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets are attached. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tert-butyl ether (MtBE), and total petroleum hydrocarbons as diesel (TPHd). The analytical results are summarized in Table 1.

The analytical results indicate that the water samples collected from the two wells did not contain detectable concentrations of any of the constituents analyzed with the exception of TPHd, which were detected in the sample from well MW-1 at a concentration of 1,990 parts per billion (ppb). This analytical data does not confirm the second quarter, 1999 analytical data from well MW-1, but does resemble the historical data. The data for well MW-14, which was not sampled during the second quarter, 1999, also resembles historical data.

346338.02

If you should have any questions, please call our Sacramento office at (916) 631-1300.

Sincerely,
Gettler-Ryan Inc.

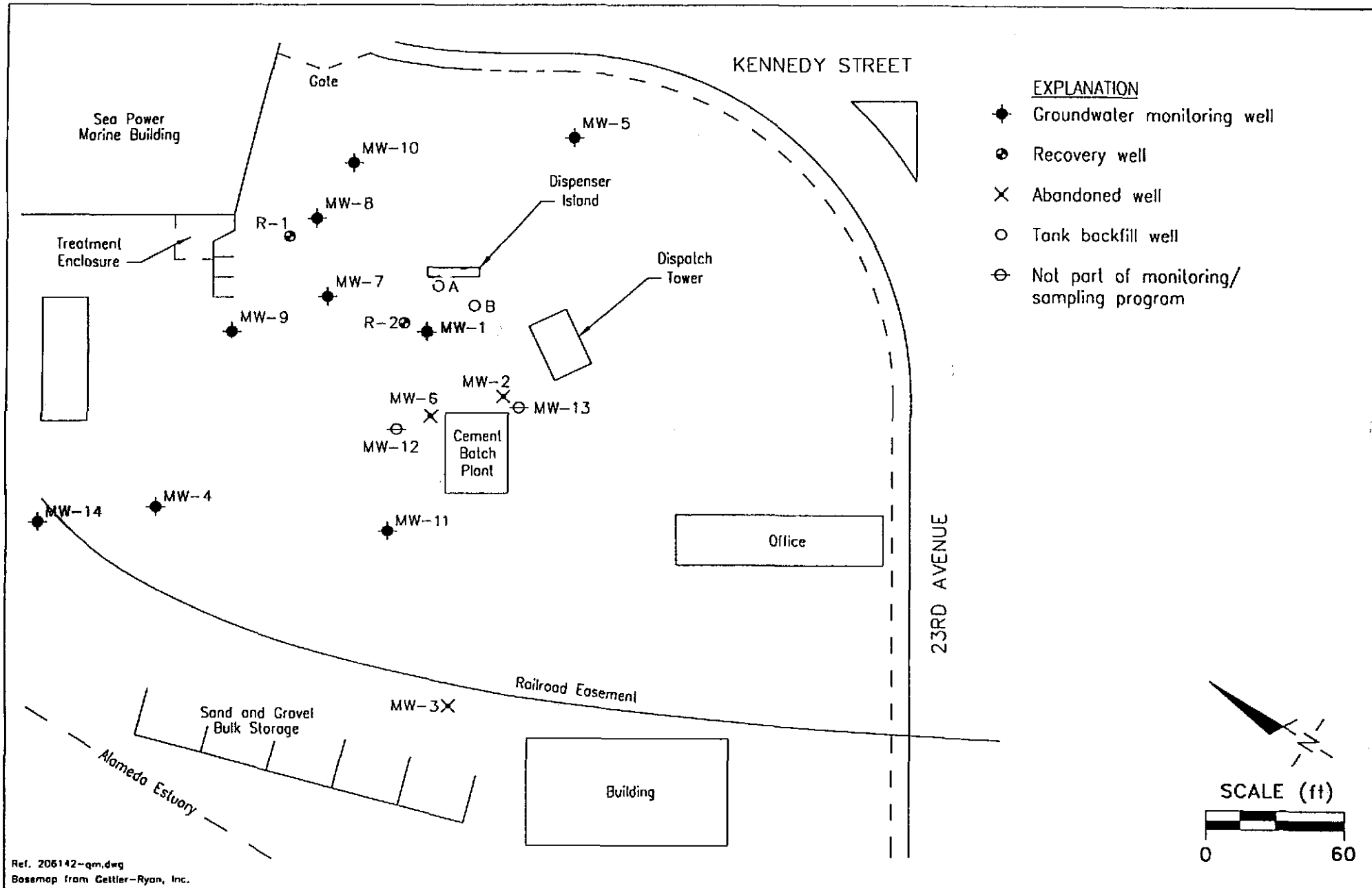
David W. Herzog
Geologist

Stephen J. Carter
Senior Geologist
R.G. No. 5577

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

Figure 1: Site Map
Table 1: Groundwater Monitoring and Chemical Data
Attachments: Standard Operating Procedure – Groundwater Sampling
Field Data Sheets
Chain-Of-Custody Document and Laboratory Analytical Reports

Cc: Barney Chan, Alameda County Health Care Services Agency
Roger Hoffmore, Secor International Inc.
Christine Lillie, Blaine Tech Services, Inc.



PREPARED BY

RRM
engineering contracting firm

Chevron/RMC Lonestar Facility CPS #206142
333 23rd Avenue
Oakland, California

SITE MAP

FIGURE
1

TABLE 1 - GROUNDWATER MONITORING AND CHEMICAL DATA

Former Chevron Service Station No. 206142
333 23rd Avenue
Oakland, California

Well ID/ Casing Elev. (ft MSL)	Date Sampled	Total Well Depth (ft TOC)	Depth to Water (ft TOC)	Product Thickness (ft)	Groundwater Elevation (ft MSL)	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)	MTBE (ppb)	TPHd (ppb)
MW-1/ 10.16	8/22/99	17	8.39	0	1.77	<100	<0.5	<0.5	<0.5	<0.5	<10	1990
MW-14/ 5.56	8/22/99	20	7.55	0	-1.99	<100	<0.5	<0.5	<0.5	<0.5	<10	<50
TB-LB	----	----	----	----	----	<100	<0.5	<0.5	<0.5	<0.5	<10	----

TPHg - Total Petroleum Hydrocarbons as gasoline
BTEX - benzene, toluene, ethylbenzene, xylenes
MTBE - Methyl t-Butyl Ether
TPHd - Total Petroleum Hydrocarbons as diesel
ft TOC - feet below top of casing
ft MSL - feet relative to Mean Sea Level
ppb - parts per billion
TB-LB - Trip Blank

Analytical Laboratory:
Core Lab (ELAP #1174)

Analytical Method:
TPHg and TPHd- EPA Method 8015 (Modified)
BTEX and MtBE - EPA Method 8021B

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analyses by the analytical laboratory. Prior to sample collection, the type of analyses to be performed is determined. *Loss prevention of volatile compounds is controlled and sample preservation for subsequent analyses 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 recorded 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 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 job number, sample identification, collection date and time, analyses, preservative (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 delivery to the laboratory.

The chain of custody includes the job number, type of preservation, if any, analyses 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.

MONITORING WELL
OBSERVATION SUMMARY SHEET

CLIENT/ FACILITY #: CHEVRON - RMC Lonestar 206142

G-R JOB #: 346338.02

LOCATION: 333 - 23rd Avenue

DATE: 8-22-99

CITY: OAKLAND, CA

TIME:

Well ID	Total Depth	Depth to Water	Product Thickness	TOB or TOC	Comments
MW-1	17'	8.39	0	TOC	
MW-14	20'	7.55	0	TOC	

Comments:

Sampler: Assistant:

Worksheet11/00

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility #206142 Job#: 346338.02
Address: 333 - 23rd Avenue Date: 8-22-99
City: OAKLAND, CA Sampler: F.C

Well ID MW-14 Well Condition: Okay
Well Diameter 2" in. Hydrocarbon Thickness: C (feet) Amount Bailed (product/water): C (Gallons)
Total Depth 20' ft.
Depth to Water 7.55 ft.

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

12.45 X VF 0.17 = 2.1 X 3 (case volume) = Estimated Purge Volume: 6.4 (gal.)

Purge Equipment:
Disposable Bailer
Bailer
(Stack)
Suction
Grundfos
Other:

Sampling Equipment:
(Disposable Bailer)
Bailer
Pressure Bailer
Grab Sample
Other:

Starting Time: 1400 Weather Conditions: clear warm
Sampling Time: 1408 Water Color: Clear Odor: None
Purging Flow Rate: 1.3 gpm. Sediment Description: Mod
Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1402	2.0	7.52	1500	20.8			
1404	5.2	7.42	1541	18.7			
1406	7.8	7.48	1540	18.7			
1407	8.0	7.46	1541	18.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-14	3x 40ml VOA	Y	HCl		TPH(G)/btex/mtbe
	1x 1L		None		TPH Diesel

COMMENTS: Well located ≈ 18' from corner of Pond Fence - steel post & diagonal support. No well Box well okay Buried in gravel & concrete parts

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility #206142 Job#: 346338.02
Address: 333 - 23rd Avenue Date: 8-22-99
City: OAKLAND, CA Sampler: F.C

Well ID MW-1 Well Condition: Okay
Well Diameter 4" in. Hydrocarbon Thickness: None (feet) Amount Bailed (product/water): None (Gallons)
Total Depth 17' ft.
Depth to Water 8.39 ft.

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

8.61 X VF 0.66 = 5.7 X 3 (case volume) = Estimated Purge Volume: 17.0 (gal.)

Purge Equipment: Disposable Bailer; Bailer; (Stack); ~~Suction~~; Grundfos; Other: _____

Sampling Equipment: (Disposable Bailer); ~~Bailer~~; Pressure Bailer; Grab Sample; Other: _____

Starting Time: 1426 Weather Conditions: clear warm
Sampling Time: 1436 Water Color: clear Odor: None
Purging Flow Rate: 2.0 gpm. Sediment Description: Non
Did well de-water? NC If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°C)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1428	6	7.06	2500	18.4			
1428	12	7.00	2000	17.9			
1429	18	6.94	2010	17.3			
1436	19	6.96	2010	17.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 x 40ml ✓	Y	HCl	Cone	TPH(G)/btex/mtbe
	1 x 1L			Con	TPH Diesel

COMMENTS: ORC in well.

9/97-fieldst.frm

CORE LABORATORIES

ANALYTICAL REPORT

JOB NUMBER: 991690

Prepared For:

Gettler-Ryan Inc.
6747 Sierra Ct., Suite J
Dublin, CA 94568

Attention: Deanna Harding

Date: 09/03/1999

Paul Christ for
Signature

9/3/99
Date

Name: Tim Scott

Title: Laboratory Manager

1250 E. Gene Autry Way
Anaheim, CA 92805

PHONE: (714) 937-1094
FAX..: (714) 937-1170

CORE LABORATORIES

SAMPLE INFORMATION
Date: 09/03/1999

Job Number.: 991690
Customer...: Gettler-Ryan Inc.
Attn.....: Deanna Harding

Project Number.....: 97000255
Customer Project ID....: CPS# 206142
Project Description....: Refer to Customer Project I.D.

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
991690-1	TB-LB	Water	08/22/1999	00:00	08/25/1999	10:30
991690-2	MW-14	Water	08/22/1999	00:00	08/25/1999	10:30
991690-3	MW-1	Water	08/22/1999	00:00	08/25/1999	10:30

CORE LABORATORIES

LABORATORY TEST RESULTS

Job Number: 991690 Date: 09/03/1999

CUSTOMER: Gettler-Ryan Inc. PROJECT: CPS# 206142 ATTN: Deanna Harding

Customer Sample ID: TB-LB
Date Sampled.....: 08/22/1999
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 991690-1
Date Received.....: 08/25/1999
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
EPA 8015Mod	Total Volatile Petroleum Hydrocarbons					
	Gasoline Range Petroleum Hydrocarbons, Liquids	<100.0	100.0	ug/L	08/25/99	evd
EPA 8021B	Volatile Organics -Aromatics					
	Benzene, Liquids	<0.50	0.50	ug/L	08/25/99	evd
	Ethylbenzene, Liquids	<0.50	0.50	ug/L	08/25/99	evd
	Methyl-t-Butyl Ether (MTBE), Liquids	<10.00	10.00	ug/L	08/25/99	evd
	Toluene, Liquids	<0.50	0.50	ug/L	08/25/99	evd
	Xylenes (total), Liquids	<0.50	0.50	ug/L	08/25/99	evd

CORE LABORATORIES

LABORATORY TEST RESULTS

Job Number: 991690 Date: 09/03/1999

CUSTOMER: Gettler-Ryan Inc. PROJECT: CPS# 206142 ATTN: Deanna Harding

Customer Sample ID: MW-14
Date Sampled.....: 08/22/1999
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 991690-2
Date Received.....: 08/25/1999
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
LUFT - CA DOHS	LUFT Extraction - 1 liter, Liquids	Complete			08/31/99	tmp
EPA 8015 Mod	Total Extractable Petroleum Hydrocarbons					
	TEPH - as Diesel, Liquids	<50.00	50.00	ug/L	09/01/99	evd
EPA 8015Mod	Total Volatile Petroleum Hydrocarbons					
	Gasoline Range Petroleum Hydrocarbons, Liquids	<100.0	100.0	ug/L	08/25/99	evd
EPA 8021B	Volatile Organics -Aromatics					
	Benzene, Liquids	<0.50	0.50	ug/L	08/25/99	evd
	Ethylbenzene, Liquids	<0.50	0.50	ug/L	08/25/99	evd
	Methyl-t-Butyl Ether (MTBE), Liquids	<10.00	10.00	ug/L	08/25/99	evd
	Toluene, Liquids	<0.50	0.50	ug/L	08/25/99	evd
	Xylenes (total), Liquids	<0.50	0.50	ug/L	08/25/99	evd

CORE LABORATORIES

LABORATORY TEST RESULTS

Job Number: 991690

Date: 09/03/1999

CUSTOMER: Gettler-Ryan Inc. PROJECT: CPS# 206142 ATTN: Deanna Harding

Customer Sample ID: MW-1
Date Sampled.....: 08/22/1999
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 991690-3
Date Received.....: 08/25/1999
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
LUFT - CA DOHS	LUFT Extraction - 1 liter, Liquids	Complete			08/31/99	tmp
EPA 8015 Mod	Total Extractable Petroleum Hydrocarbons TEPH - as Diesel, Liquids	1990	50.00	ug/L	09/01/99	evd
EPA 8015Mod	Total Volatile Petroleum Hydrocarbons Gasoline Range Petroleum Hydrocarbons, Liquids	<100.0	100.0	ug/L	08/25/99	evd
EPA 8021B	Volatile Organics -Aromatics					
	Benzene, Liquids	<0.50	0.50	ug/L	08/25/99	evd
	Ethylbenzene, Liquids	<0.50	0.50	ug/L	08/25/99	evd
	Methyl-t-Butyl Ether (MTBE), Liquids	<10.00	10.00	ug/L	08/25/99	evd
	Toluene, Liquids	<0.50	0.50	ug/L	08/25/99	evd
	Xylenes (total), Liquids	<0.50	0.50	ug/L	08/25/99	evd

CORE LABORATORIES

QUALITY CONTROL RESULTS

Job Number.: 991690

Report Date.: 09/03/1999

CUSTOMER: Gettler-Ryan Inc. PROJECT: Refer to Customer Project I.D. ATTN: Deanna Harding

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: EPA 8015 Mod Batch.....: 8286 Analyst...: evd
Method Description.: Total Extractable Petroleum Hydrocarbons Units.....: mg/L

MB	Method Blank				09/01/1999	1908

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel	0							

SB	Spiked Blank	090166			09/01/1999	1947

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel	737		1000.000000		73.7		50-150	

SBD	Spiked Blank Duplicate	090166			09/01/1999	2026

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel	699	737	1000.000000		69.9		50-150	
					5.3		30	

Test Method.....: EPA 8015Mod Batch.....: 8161 Analyst...: evd
Method Description.: Total Volatile Petroleum Hydrocarbons Units.....: ug/L

MB	Method Blank				08/25/1999	1111

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Gasoline Range Petroleum Hydrocarbons	5							

LCS	Laboratory Control Sample	09072803			08/25/1999	1149

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Gasoline Range Petroleum Hydrocarbons	846		1000.0		84.6		50-150	

LCD	Laboratory Control Sample Duplicate	09072803			08/25/1999	1215

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Gasoline Range Petroleum Hydrocarbons	907	846	1000.0		90.7		50-150	
					7.0		30	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

CORE LABORATORIES

QUALITY CONTROL RESULTS

Job Number.: 991690

Report Date.: 09/03/1999

CUSTOMER: Gettler-Ryan Inc. PROJECT: Refer to Customer Project I.D. ATTN: Deanna Harding

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	09072803	991690-3		08/25/1999	1831

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Gasoline Range Petroleum Hydrocarbons	837		1000.0	11	83		50-150	

MSD	Matrix Spike Duplicate	09072803	991690-3		08/27/1999	1259

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Gasoline Range Petroleum Hydrocarbons	940	837	1000.0	11	93		50-150	
					11.6		30	

Test Method.....: EPA 8021B
Method Description.: Volatile Organics -Aromatics

Batch.....: 8160
Units.....: ug/L

Analyst...: evd

MB	Method Blank				08/25/1999	1111

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene	0.00							
Ethylbenzene	0.00							
Methyl-t-Butyl Ether (MTBE)	0.00							
Toluene	0.00							
Xylenes (total)	0.00							

LCS	Laboratory Control Sample	09072801			08/25/1999	1240

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene	48.91		50		97.8		39-150	
Ethylbenzene	50.52		50		101.0		32-160	
Methyl-t-Butyl Ether (MTBE)	276.25		250		110.5		50-150	
Toluene	51.59		50		103.2		46-148	
Xylenes (total)	156.90		150		104.6		75-125	

LCD	Laboratory Control Sample Duplicate	09072801			08/25/1999	1306

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene	50.50	48.91	50		101.0		39-150	
					3.2		20	
Ethylbenzene	52.29	50.52	50		104.6		32-160	
					3.4		20	
Methyl-t-Butyl Ether (MTBE)	247.18	276.25	250		98.9		50-150	
					11.1		25	
Toluene	51.94	51.59	50		103.9		46-148	
					0.7		20	
Xylenes (total)	160.53	156.90	150		107.0		75-125	
					2.3		20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

CORE LAB

CORE LABORATORIES

QUALITY CONTROL RESULTS

Job Number.: 991690

Report Date.: 09/03/1999

CUSTOMER: Gettler-Ryan Inc. PROJECT: Refer to Customer Project I.D. ATTN: Deanna Harding

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	09072801	991690-3		08/25/1999	1856

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene	50.93		50	0.00	101.9		39-150	
Ethylbenzene	52.85		50	0.00	105.7		32-160	
Methyl-t-Butyl Ether (MTBE)	242.59		250	0.00	97.0		50-150	
Toluene	52.25		50	0.00	104.5		46-148	
Xylenes (total)	162.49		150	0.00	108.3		75-125	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	09072801	991690-3		08/25/1999	1922

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene	50.59	50.93	50	0.00	101.2 1		39-150 20	
Ethylbenzene	52.60	52.85	50	0.00	105.2 0		32-160 20	
Methyl-t-Butyl Ether (MTBE)	267.80	242.59	250	0.00	107.1 10		50-150 25	
Toluene	52.85	52.25	50	0.00	105.7 1		46-148 20	
Xylenes (total)	162.35	162.49	150	0.00	108.2 0		75-125 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

CORE LABORATORIES

SURROGATE RECOVERIES REPORT

Job Number.: 991690

Report Date.: 09/03/1999

CUSTOMER: Gettler-Ryan Inc. PROJECT: Refer to Customer Project I.D. ATTN: Deanna Harding

Method.....: Volatile Organics -Aromatics
Method Code.....: 8020BX

Batch.....: 8160
Analyst.....: evd

Surrogate	Units
4-Bromofluorobenzene	ug/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
		MB	1	51.09	50.0000	102.2	64-147		08/25/1999	1111
		LCS	1	51.67	50.0000	103.3	64-147		08/25/1999	1240
		LCD	1	50.96	50.0000	101.9	64-147		08/25/1999	1306
991690-1	Liquids		1	49.32	50.0000	98.6	64-147		08/25/1999	1649
991690-2	Liquids		1	50.18	50.0000	100.4	64-147		08/25/1999	1714
991690-3	Liquids		1	50.49	50.0000	101.0	64-147		08/25/1999	1740
991690-3	Liquids	MS	1	51.87	50.0000	103.7	64-147		08/25/1999	1856
991690-3	Liquids	MSD	1	52.42	50.0000	104.8	64-147		08/25/1999	1922

CORE LAB

CORE LABORATORIES

ANALYTICAL SUMMARY REPORT

Job Number: 991690

Report Date: 09/03/19

CUSTOMER: Gettler-Ryan Inc. PROJECT: CPS# 206142 ATTN: Deanna Harding

BATCH	8286	ANALYTICAL METHOD	EPA 8015 Mod	DESCRIPTION	Total Extractable Petroleum Hydrocarbons	ANALYST	evd

Lab Sample ID	Client Sample Identification	Sample Matrix	Test Matrix	Sample Date	Sample Time	Analysis Date	Analysis Time	Dil/Corr. Factor
991690-2	MW-14	Water	Liquids	08/22/99	0000	09/01/99	2106	1
991690-3	MW-1	Water	Liquids	08/22/99	0000	09/01/99	2145	1

BATCH	8161	ANALYTICAL METHOD	EPA 8015Mod	DESCRIPTION	Total Volatile Petroleum Hydrocarbons	ANALYST	evd

Lab Sample ID	Client Sample Identification	Sample Matrix	Test Matrix	Sample Date	Sample Time	Analysis Date	Analysis Time	Dil/Corr. Factor
991690-1	TB-LB	Water	Liquids	08/22/99	0000	08/25/99	1649	1
991690-2	MW-14	Water	Liquids	08/22/99	0000	08/25/99	1714	1
991690-3	MW-1	Water	Liquids	08/22/99	0000	08/25/99	1740	1

BATCH	8160	ANALYTICAL METHOD	EPA 8021B	DESCRIPTION	Volatile Organics -Aromatics	ANALYST	evd

Lab Sample ID	Client Sample Identification	Sample Matrix	Test Matrix	Sample Date	Sample Time	Analysis Date	Analysis Time	Dil/Corr. Factor
991690-1	TB-LB	Water	Liquids	08/22/99	0000	08/25/99	1649	1
991690-2	MW-14	Water	Liquids	08/22/99	0000	08/25/99	1714	1
991690-3	MW-1	Water	Liquids	08/22/99	0000	08/25/99	1740	1

BATCH	8237	ANALYTICAL METHOD	LUFT - CA DOHS	DESCRIPTION	Leaking Underground Fuel Tank Extraction	ANALYST	tmp

Lab Sample ID	Client Sample Identification	Sample Matrix	Test Matrix	Sample Date	Sample Time	Analysis Date	Analysis Time	Dil/Corr. Factor
991690-2	MW-14	Water	Liquids	08/22/99	0000	08/31/99	0000	1
991690-3	MW-1	Water	Liquids	08/22/99	0000	08/31/99	0000	1

CORE LABORATORIES

rpjsckl — Job Sample Receipt Checklist Report — V2
08/25/1999

Job Number.....: 991690 Location.: 57218 Customer Job ID.....: Job Check List Date.: 08/25/1999
Project Number.: 97000255 Project Description.: Refer to Customer Project I.D. Project Manager.....: tas
Customer.....: Gettler-Ryan Inc. Contact.: Deanna Harding

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	N	
...If "yes", custody seal intact?	N	
Custody seals on sample containers?	N	
...If "yes", custody seal intact?	N	
Samples chilled?	Y	3
Temperature of cooler acceptable? (4 deg C +/- 2).	Y	
Temperature measured from temperature blank?	N	
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)	Y	
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?	Y	
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Open cooler radioactive screen at or below bkgrd?		
Additional		
Comments		
Sample Custodian Signature/Date	Y	

CORE LAB

CORE LABORATORIES

QUALITY ASSURANCE FOOTER

METHOD REFERENCES

(1) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(2) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(3) EPA 600/4-79-020, Methods of Chemical Analysis for Waters and Wastes, March 1983
(4) Federal Register, Friday, October 26, 1984 (40 CFR Part 136)
(5) American Society for Testing and Materials, Volumes 5.01, 5.02, 5.03, 1992
(6) EPA 600/4-89-001, Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Fresh Water Organisms
(7) EPA 600/4-90-027, Methods for Measuring the Acute Toxicity of Effluent and Receiving Waters to Fresh Water and Marine Organisms, Fourth Edition

COMMENTS

All methods of chemical analysis have a statistical uncertainty associated with the results. Unless otherwise indicated, the data in this report are within the limits of uncertainty as specified in the referenced method. Quality control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance. The date and time of analysis indicated on the QC report may not reflect the actual time of analysis for QC samples. Data reported in the QA report may be lower than sample data due to dilution of samples into the calibration range of the analysis. Sample concentrations for solid samples are calculated on an as received (wet) basis unless otherwise indicated. Unless otherwise indicated, volatiles by gas chromatography (GC) are reported from a single column. Volatiles analyses by GC on low level soils are conducted at room temperature. TCLP extractions are performed at sample amounts, approved by the State of California.

FLAGS, FOOTNOTES, AND ABBREVIATIONS (as needed)

NA = Not analyzed
N/A = Not applicable
ug/L = Micrograms per liter
mg/L = Milligrams per liter
ND = Not detected at a value greater than the reporting limit
NC = Not calculable due to values lower than the detection limit
N.I. = Not Ignitable
S.I. = Sustains Ignition
I(NS) = Ignites, but does not Sustain Ignition
RPD = Relative Percent Difference
(a) = Surrogate recoveries were outside acceptable ranges due to matrix effects.
(b) = Surrogate recoveries were not calculated due to dilution of the sample below the detectable range for the surrogate.
(c) = Matrix spike recoveries were outside acceptable ranges due to matrix effects.
(d) = Relative Percent Difference (RPD) for duplicate analysis outside acceptance limits due to actual differences in the sample matrix.
(e) = The limit listed for flammability indicates the upper limit for the test. Samples are not tested at temperatures above 140 Fahrenheit since only samples which will sustain ignition at temperatures below 140 are considered flammable.
(f) = Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a diesel standard, however, the hydrocarbon pattern did not match a diesel pattern.
(g) = Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a gasoline standard, however, the hydrocarbon pattern did not match a gasoline pattern.
(h) = High dilution due to matrix effects

QC SAMPLE IDENTIFICATIONS

MB = Method Blank
RB = Reagent Blank
ICB = Initial Calibration Blank
CCB = Continuing Calibration Blank
CS = Calibration Standard
ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification
SB = Storage Blank
MS = Matrix Spike
MSD = Matrix Spike Duplicate
MD = Matrix Duplicate
BS = Blank Spike
SS = Surrogate Spike
LCS = Laboratory Control Standard
RS = Reference Standard

SUBCONTRACTED LABORATORY LOCATIONS

Core Laboratories:	Aurora, Colorado	*AU
	Casper, Wyoming	*CA
	Corpus Christi, Texas	*CC
	Edison, New Jersey	*ED
	Houston, Texas (Env)	*HE
	Houston, Texas (Pet)	*HP
	Indianapolis, Indiana	*IN
	Lake Charles, Louisiana	*LC
	Long Beach, California	*LB
	Valparaiso, Indiana	*VP
	Bakersfield, California	*BK

1250 Gene Autry Way Autry Way
Anaheim, CA 92805
(714) 937-1094 /u/matt/logs_n_forms/footer.form

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

Chain-of-Custody-Reco

991690

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

Chevron Facility Number: Chevron RMC Lonestar - CPS #206142
Facility Address: 333 23rd Avenue, OAKLAND CA
Consultant Project Number: 346338.02
Consultant Name: Gettler-Ryan
Address: 6747 Sierra Ct, Ste J, Dublin 94568
Project Contact (Name): Deanna Harding
(Phone): 551-7555 (Fax Number): 551-7888

Chevron Contact (Name): MR. BOB COCHRAN
(Phone): (925) 842-9655
Laboratory Name: CORE LABORATORY
Laboratory Service Order #:
Samples Collected by (Name): F. Cline
Collection Date: 8.22.99
Signature:

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: TPH Gas + BTEX w/MTBE (8015) (8020)	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)						DO NOT BILL TB-LB ANALYS Remarks
TB-LB		1	W	TB	—	HCl	Y	X													
MW-4		4	W	G	1408	HCl, None	Y	X	X												
MW-1		4	W	G	1432	↓	Y	X	X												

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
	G-R Inc.	8/24/99 0800	John Welker	G-R Inc.	8-24-99 0800	24 Hrs.
John Welker	G-R INC	8-24-99 1600		CORE	08/25/99 1030	48 Hrs.
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	5 Days
						10 Days
						As Contracted

COC-3.DWG/03 91/HCH