GETTLER-RYAN INC.

January 26, 2001
Job #386616

Mr. Brett Hunter
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

Re: **Event of December 12, 2000**
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-1183
10921 19th Avenue, SE
Everett, Washington

Dear Mr. Hunter:

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 levels were measured and the wells were 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 presented in Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). Purge water was treated by filtration through granular activated carbon and was subsequently discharged. The field data sheets for this event are attached. The samples were analyzed by North Creek Analytical, Inc. Analytical results are presented in Table 1 and a Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are attached.

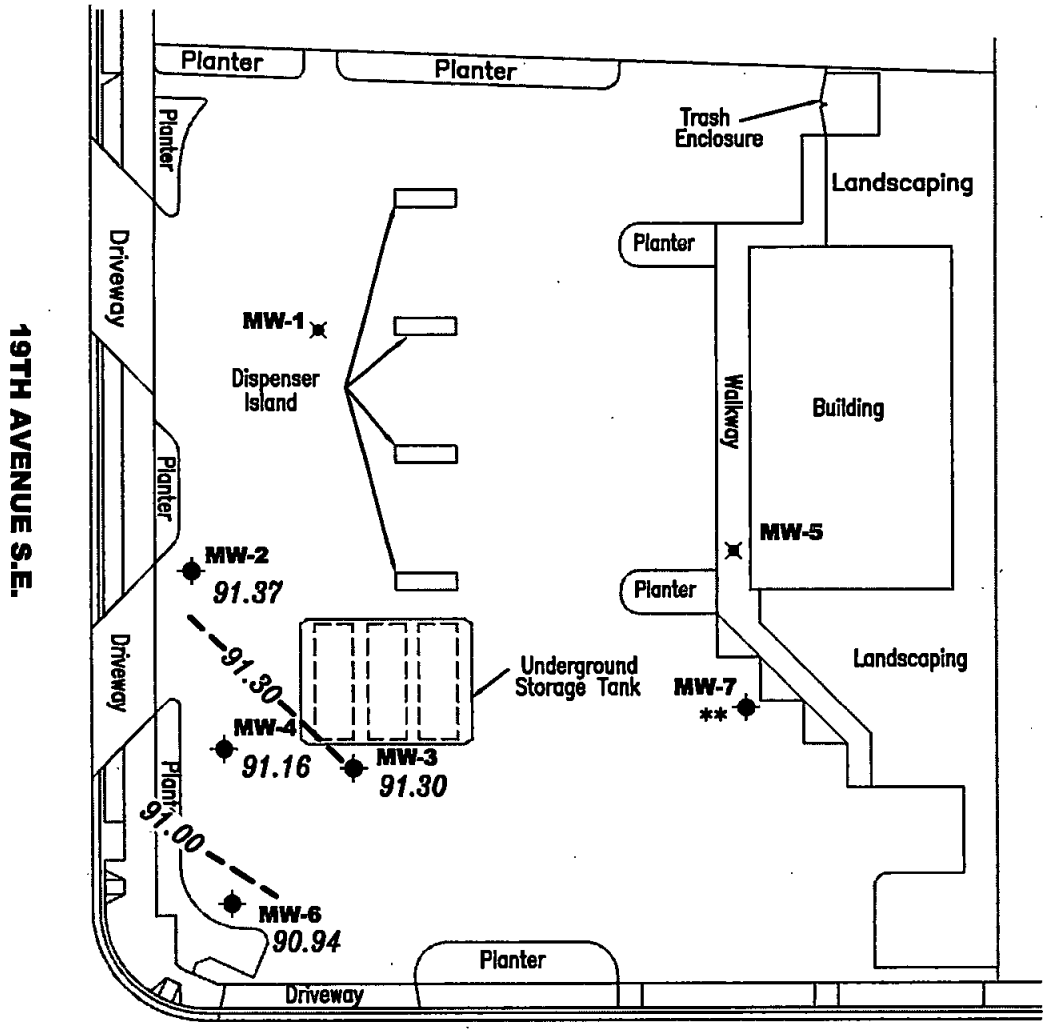
Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

Deanna L. Harding
Project Coordinator

Stephen J. Carter
Senior Geologist

Figure 1: Potentiometric Map
Figure 2: Concentration 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
- ✱ Abandoned well
- *99.99* Groundwater elevation in feet referenced to an arbitrary site datum
- 99.99 Groundwater elevation contour, dashed where inferred.
- ** Inaccessible

Approximate groundwater flow direction at a gradient of 0.009 Ft./Ft.

N

0 40

Scale in Feet

Source: Figure modified from drawing provided by Delta Environmental Consultants, Inc.

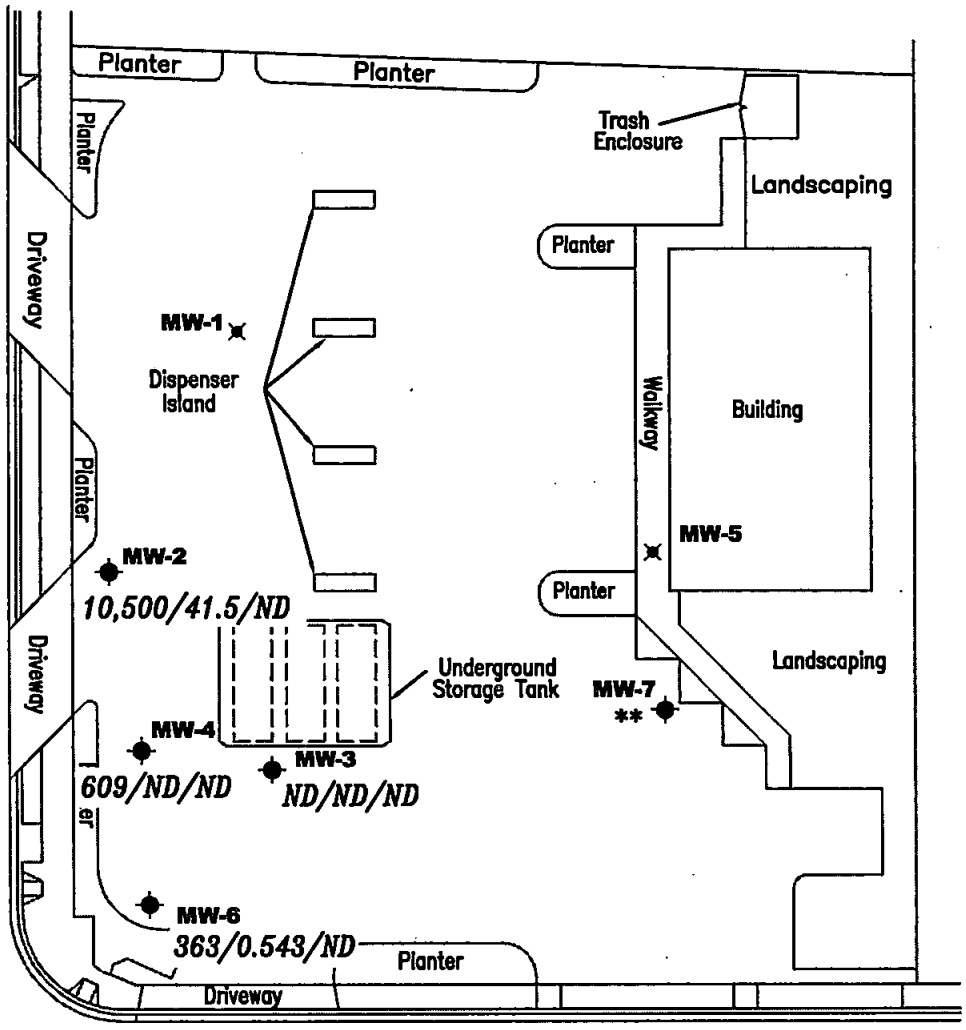
Gettler - Ryan Inc.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Chevron Service Station #9-1183
10921 19th Avenue S.E.
Everett, Washington

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386616		December 12, 2000	

FILE NAME: P:\ENVIRO\CHEVRON\9-1183\Q00-9-1183.DWG | Layout Tab: Pot4



19TH AVENUE S.E.

110TH STREET S.E.

EXPLANATION

⌖	Groundwater monitoring well
✕	Abandoned well
A/B/C	Total Petroleum Hydrocarbons (TPH) as Gasoline/Benzene/ MTBE concentrations as ppb
ND	Not Detected
NA	Not Analyzed
**	Inaccessible

N

0 40

Scale in Feet

Source: Figure modified from drawing provided by Delta Environmental Consultants, Inc.

Gettler - Ryan Inc.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

CONCENTRATION MAP
Chevron Service Station #9-1183
10921 19th Avenue S.E.
Everett, Washington

FIGURE
2

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386616		December 12, 2000	

FILE NAME: P:\ENVIRO\CHEVRON\9-1183\Q00-9-1183.DWG | Layout Tab: Con4

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station # 9-1183
10921 19th Avenue, SE
Everett, Washington

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	D. Lead (ppm)
MW-1	ABANDONED									
MW-2	09/26/00	--	--	--	--	--	--	--	--	--
99.53	**12/12/00**	**8.16**	**91.37**	**10,500**	**41.5**	**10.3**	**219**	**420**	**ND[1]**	**0.0106**
MW-3	09/26/00	--	--	--	--	--	--	--	--	--
97.79	**12/12/00**	**6.49**	**91.30**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.00172**
MW-4	09/26/00	--	--	--	--	--	--	--	--	--
98.07	**12/12/00**	**6.91**	**91.16**	**609**	**ND**	**ND**	**ND**	**2.72**	**ND**	**ND**
MW-5	ABANDONED									
MW-6	09/26/00	6.50	90.02	--	--	--	--	--	--	--
96.52	**12/12/00**	**5.58**	**90.94**	**363**	**0.543**	**3.66**	**ND**	**8.88**	**ND**	**0.00357**
MW-7	09/26/00	6.40	91.35	--	--	--	--	--	--	--
97.75	**12/12/00**	**INACCESSIBLE**		**--**	**--**	**--**	**--**	**--**	**--**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station # 9-1183

10921 19th Avenue, SE

Everett, Washington

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	D. Lead (ppm)
Trip Blank										
TB-LB	**12/12/00**	--	--	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	--

	TPH-G	B	T	E	X	MTBE	D. Lead
Current Laboratory Reporting Limits:	**50.0**	**0.500**	**0.500**	**0.500**	**1.00**	**5.00**	**0.00100**
MTCA Method A Cleanup Levels:	**1,000**	**5.0**	**40**	**30**	**20**	--	--
Current Method:	**NWTPH-G and EPA 8021B**						

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station # 9-1183
10921 19th Avenue, SE
Everett, Washington

EXPLANATIONS:

Groundwater monitoring data prior to December 12, 2000, were provided by Delta Environmental Consultants.

TOC = Top of Casing
(ft.) = Feet
DTW = Depth to Water
GWE = Groundwater Elevation
TPH-G = Total Petroleum Hydrocarbons as Gasoline (Gasoline Range Hydrocarbons)
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether
(ppb) = Parts per billion
D. Lead = Dissolved Lead
(ppm) = Parts per million
ND = Not Detected
-- = Not Measured/Not Analyzed
MTCA = Model Toxics Control Act Cleanup Regulations [WAC 173-340-720(2)(a)(I), as amended 12/93].

* TOC elevations have been provided by Delta Environmental Consultants, Inc. referenced to an assumed datum in feet.

1 Detection limit raised. Refer to analytical reports.

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, 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 the purging. Purging continues until these parameters stabilize. Purge water is treated by filtering the water through granular activated carbon and is subsequently discharged to the ground surface at the site.

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 for all samples. 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.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Chevron 9-1183 — Job#: 386616

Address: 10921 19th Ave. SE — Date: 12-12-00

City: Everett, WA — Sampler: BWN

Well ID: MW 2 — Well Condition: OK

Well Diameter: 2 in. — Hydrocarbon Thickness: 0 (feet) — Amount Bailed (product/water): 0 (Gallons)

Total Depth: 16.45 ft.

Depth to Water: 8.16 ft.

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

8.29 x VF .17 = 1.4 X 3 (case volume) = Estimated Purge Volume: 4 (gal.)

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

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

Starting Time: 11:30 — Weather Conditions: sunny

Sampling Time: 12:50 — Water Color: gray — Odor: yes

Purging Flow Rate: _____ gpm. — Sediment Description: _____

Did well de-water? no — If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:34	1.3	6.52	338	12.1			
11:38	2.6	6.49	331	11.8			
12:42	4	6.46	326	11.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW2	3 VOA VIAL	Y	HCl	~~SEQUOIA~~ NCA	TPH(G)/btex/mtbe
MW2	1 500mL PL	Y	HNO_3	NCA	Dissolved Lead

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Chevron
Facility # 9-1183
Address: 10921 19th Ave SE
City: Everett, WA

Job#: 386616
Date: 12-12-00
Sampler: BWN

Well ID: MW3
Well Condition: ok
Well Diameter: 2 in.
Hydrocarbon Thickness: 0 (feet)
Amount Bailed (product/water): 0 (Gallons)
Total Depth: 11.70 ft.
Depth to Water: 6.49 ft.

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

5.21 X VF .17 = .88 X 3 (case volume) = Estimated Purge Volume: 2.5 (gal.)

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

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

Starting Time: 11:25
Sampling Time: 11:40
Purging Flow Rate: ____ gpm.
Did well de-water? no

Weather Conditions: cloudy
Water Color: clear Odor: no
Sediment Description:
If yes; Time: ____ Volume: ____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:28	.8	6.55	399	11.8			
11:31	1.6	6.54	391	11.5			
11:34	2.5	6.54	390	10.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW3	3 VOA VIAL	Y	HCl	~~SEQUOIA~~ NCA	TPH(G)/btex/mtbe
MW3	1 500mL pl.	Y	HNO_3	NCA	Dissolved Lead

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Chevron 9-1183 | Job#: 386616

Address: 10921 19th Ave. SE | Date: 12-12-00

City: Everett, WA | Sampler: BWN

Well ID: MW 4 | Well Condition: OK

Well Diameter: 2 in. | Hydrocarbon Thickness: Ø (feet) | Amount Bailed (product/water): Ø (Gallons)

Total Depth: 12.50 ft.

Depth to Water: 6.91 ft.

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

5.59 X VF .17 = .95 X 3 (case volume) = Estimated Purge Volume: 3 (gal.)

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

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

Starting Time: 11:03 | Weather Conditions: cloudy

Sampling Time: 11:15 | Water Color: clear | Odor: no

Purging Flow Rate: _____ gpm. | Sediment Description: _____

Did well de-water? no | If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:03	1	6.53	415	10.5			
11:06	2	6.49	408	10.1			
11:09	3	6.43	401	9.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW4	3 VOA VIAL	Y	HCl	~~SEQUOIA~~ NCA	TPH(G)/btex/mtbe
MW4	1 500mL PT	Y	HNO_3	NCA	Dissolved Lead

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Chevron
Facility # 9-1183 Job#: 386616
Address: 10921 19th Ave. SE Date: 12-12-05
City: Everett, WA Sampler: BWN

Well ID: MW 6 Well Condition: OK
Well Diameter: 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)
Total Depth: 15.50 ft.
Depth to Water: 5.58 ft.

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

9.92 X VF .17 = 1.68 X 3 (case volume) = Estimated Purge Volume: 5 (gal.)

Purge Equipment: (Disposable Bailer) Bailer, Stack, Suction, Grundfos, Other:
Sampling Equipment: (Disposable Bailer) Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 10:30 Weather Conditions: Sunny!
Sampling Time: 10:50 Water Color: clear Odor: no
Purging Flow Rate: gpm. Sediment Description:
Did well de-water? no If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:35	1.7	6.67	566	9.4			
10:40	3.4	6.57	561	9.3			
10:45	5	6.52	533	9.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW 6	3 VOA VIAL	Y	HCl	~~SEQUOIA~~ NCA	TPH(G)/btex/mtbe
MW 6	1 500mL PL	Y	HNO_3	NCA	Diss. Lead

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility: Chevron # 9-1183
Address: 10921 19th Ave. SE
City: Everett, WA

Job#: 386616
Date: 12-12-00
Sampler: BWN

Well ID: MW 7
Well Condition: Stalled car parked over well

Well Diameter: 2 in.
Total Depth: 15.5 ft.
Depth to Water: ____ ft.

Hydrocarbon Thickness: ____ (feet)
Amount Bailed (product/water): ____ (Gallons)

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

____ X VF ____ = ____ X 3 (case volume) = Estimated Purge Volume: ____ (gal.)

Purge Equipment: Disposable Bailer / Bailer / Stack / Suction / Grundfos / Other: ____

Sampling Equipment: Disposable Bailer / Bailer / Pressure Bailer / Grab Sample / Other: ____

Starting Time: ____
Sampling Time: ____
Purging Flow Rate: ____ gpm.
Did well de-water? ____

Weather Conditions: ____
Water Color: ____ Odor: ____
Sediment Description: ____
If yes; Time: ____ Volume: ____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
		Y		SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: Stalled car parked over well - owner whereabouts not known.

9/97-fieldst.frm

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

Chain-of-Custody-Record

Chevron Products Co.
P.O. BOX 6004
San Ramon, CA 94583
FAX (925)842-8370

Chevron Facility Number #9-1183
Facility Address 10921 19TH AVE.SE.EVERETT, WA
Consultant Project Number 386616
Consultant Name Gettler-Ryan Inc.
Address 6747 Sierra Court, Suite G, Dublin, CA 94568
Project Contact (Name) Deanna L. Harding
(Phone) 925-551-7555 (Fax Number) 925-551-7899

Chevron Contact (Name) MR. BRETT HUNTER
(Phone) 925-842-8695
Laboratory Name North Creek Analytical
Laboratory Service Order
Laboratory Service Code
Samples Collected by (Name) Ben Newton
Signature Ben Newton

State Method: ☐ CA ☐ OR ☒ WA ☐ NW Series ☐ CO ☐ UT

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	BTEX/MTBE+TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5520)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HCID	TPH-D Extended	Dissolved Lead				Lab Sample No.	Remarks: * Dissolved Lead samples were field filtered
TB LB	1	W	HCl	12-12-00	X																	B0L0419 - 01	Run MtBE
MW 2	4			[illegible]	X													X				02	by 8260
MW 3	4			11:40	X													X				03	on All
MW 4	4			[illegible]	X													X				04	8020
MW 6	4	↓	↓	10:50	X													X				05	Hits

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
Ben Newton	GR Inc	12/16/00 10:15	[signature]	NCA	12/16/00 1020	
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
Relinquished By (Signature)	Organization	Date/Time	Recieved For Laboratory By (Signature)		Date/Time	Iced Y/N

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

W/O 6.0

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425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Gettler-Ryan Inc. - Dublin	Project: Chevron #9-1183	
6747 Sierra Court Suite G	Project Number: 386616	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	01/02/01 13:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB LB	B0L0419-01	Water	12/12/00 12:00	12/16/00 10:20
MW 2	B0L0419-02	Water	12/12/00 12:10	12/16/00 10:20
MW 3	B0L0419-03	Water	12/12/00 11:40	12/16/00 10:20
MW 4	B0L0419-04	Water	12/12/00 11:15	12/16/00 10:20
MW 6	B0L0419-05	Water	12/12/00 10:50	12/16/00 10:20

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Robert Greer, Project Manager

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541.383.9310 fax 541.382.7588

Gettler-Ryan Inc. - Dublin	Project: Chevron #9-1183	
6747 Sierra Court Suite G	Project Number: 386616	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	01/02/01 13:39

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB LB (B0L0419-01) Water Sampled: 12/12/00 12:00 Received: 12/16/00 10:20									
Gasoline Range Hydrocarbons	ND	50.0	ug/l	1	0L23001	12/23/00	12/23/00	WTPH-G/8021B	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	*72.3 %*	*50-150*			"	"	"	"	
Surrogate: 4-BFB (PID)	*84.0 %*	*50-150*			"	"	"	"	
MW 2 (B0L0419-02) Water Sampled: 12/12/00 12:10 Received: 12/16/00 10:20									
Gasoline Range Hydrocarbons	**10500**	250	ug/l	5	0L23001	12/23/00	12/23/00	WTPH-G/8021B	
Benzene	**41.5**	2.50	"	"	"	"	"	"	
Toluene	**10.3**	2.50	"	"	"	"	"	"	
Ethylbenzene	**219**	2.50	"	"	"	"	"	"	
Xylenes (total)	**420**	5.00	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	25.0	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	*179 %*	*50-150*			"	"	"	"	*S-04*
Surrogate: 4-BFB (PID)	*169 %*	*50-150*			"	"	"	"	*S-04*
MW 3 (B0L0419-03) Water Sampled: 12/12/00 11:40 Received: 12/16/00 10:20									
Gasoline Range Hydrocarbons	ND	50.0	ug/l	1	0L23001	12/23/00	12/23/00	WTPH-G/8021B	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	*91.7 %*	*50-150*			"	"	"	"	
Surrogate: 4-BFB (PID)	*98.5 %*	*50-150*			"	"	"	"	

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Robert Greer, Project Manager

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Gettler-Ryan Inc. - Dublin	Project: Chevron #9-1183	
6747 Sierra Court Suite G	Project Number: 386616	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	01/02/01 13:39

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 4 (B0L0419-04) Water Sampled: 12/12/00 11:15 Received: 12/16/00 10:20									
Gasoline Range Hydrocarbons	**609**	50.0	ug/l	1	0L23001	12/23/00	12/23/00	WTPH-G/8021B	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	**2.72**	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	*133 %*	*50-150*			"	"	"	"	
Surrogate: 4-BFB (PID)	*125 %*	*50-150*			"	"	"	"	
MW 6 (B0L0419-05) Water Sampled: 12/12/00 10:50 Received: 12/16/00 10:20									
Gasoline Range Hydrocarbons	**363**	50.0	ug/l	1	0L23001	12/23/00	12/23/00	WTPH-G/8021B	
Benzene	**0.543**	0.500	"	"	"	"	"	"	
Toluene	**3.66**	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	**8.88**	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	*125 %*	*50-150*			"	"	"	"	
Surrogate: 4-BFB (PID)	*122 %*	*50-150*			"	"	"	"	

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Gettler-Ryan Inc. - Dublin	Project: Chevron #9-1183	
6747 Sierra Court Suite G	Project Number: 386616	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	01/02/01 13:39

Dissolved Metals by EPA 6000/7000 Series Methods

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 2 (B0L0419-02) Water	**Sampled: 12/12/00 12:10**		**Received: 12/16/00 10:20**						
Lead	**0.0106**	0.00100	mg/l	1	0L20050	12/20/00	12/22/00	EPA 6020	
MW 3 (B0L0419-03) Water	**Sampled: 12/12/00 11:40**		**Received: 12/16/00 10:20**						
Lead	**0.00172**	0.00100	mg/l	1	0L20050	12/20/00	12/22/00	EPA 6020	
MW 4 (B0L0419-04) Water	**Sampled: 12/12/00 11:15**		**Received: 12/16/00 10:20**						
Lead	ND	0.00100	mg/l	1	0L20050	12/20/00	12/22/00	EPA 6020	
MW 6 (B0L0419-05) Water	**Sampled: 12/12/00 10:50**		**Received: 12/16/00 10:20**						
Lead	**0.00357**	0.00100	mg/l	1	0L20050	12/20/00	12/22/00	EPA 6020	

North Creek Analytical - Bothell

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Robert Greer, Project Manager

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Gettler-Ryan Inc. - Dublin	Project: Chevron #9-1183	
6747 Sierra Court Suite G	Project Number: 386616	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	01/02/01 13:39

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0L23001: Prepared 12/23/00 Using EPA 5030B (P/T)										
Blank (0L23001-BLK1)										
Gasoline Range Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	1.00	"							
Methyl tert-butyl ether	ND	5.00	"							
Surrogate: 4-BFB (FID)	*39.5*		"	*48.0*		*82.3*	*50-150*			
Surrogate: 4-BFB (PID)	*43.5*		"	*48.0*		*90.6*	*50-150*			
LCS (0L23001-BS1)										
Gasoline Range Hydrocarbons	514	50.0	ug/l	500		103	70-130			
Surrogate: 4-BFB (FID)	*53.1*		"	*48.0*		*111*	*50-150*			
Duplicate (0L23001-DUP1)					**Source: B0L0427-03**					
Gasoline Range Hydrocarbons	11700	500	ug/l		12700			8.20	25	
Surrogate: 4-BFB (FID)	*58.5*		"	*48.0*		*122*	*50-150*			
Duplicate (0L23001-DUP2)					**Source: B0L0379-08**					
Gasoline Range Hydrocarbons	ND	50.0	ug/l		ND			54.1	25	Q-05
Surrogate: 4-BFB (FID)	*41.3*		"	*48.0*		*86.0*	*50-150*			
Matrix Spike (0L23001-MS1)					**Source: B0L0379-04**					
Benzene	9.87	0.500	ug/l	10.0	ND	98.1	70-130			
Toluene	10.1	0.500	"	10.0	ND	98.8	70-130			
Ethylbenzene	10.3	0.500	"	10.0	ND	103	70-130			
Xylenes (total)	30.0	1.00	"	30.0	ND	99.2	70-130			
Methyl tert-butyl ether	9.72	5.00	"	10.0	ND	97.2	70-130			
Surrogate: 4-BFB (PID)	*47.9*		"	*48.0*		*99.8*	*50-150*			

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Gettler-Ryan Inc. - Dublin	Project: Chevron #9-1183	
6747 Sierra Court Suite G	Project Number: 386616	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	01/02/01 13:39

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0L23001: Prepared 12/23/00 Using EPA 5030B (P/T)										
Matrix Spike Dup (0L23001-MSD1)					**Source: B0L0379-04**					
Benzene	10.1	0.500	ug/l	10.0	ND	100	70-130	2.30	15	
Toluene	10.2	0.500	"	10.0	ND	99.8	70-130	0.985	15	
Ethylbenzene	10.6	0.500	"	10.0	ND	106	70-130	2.87	15	
Xylenes (total)	31.4	1.00	"	30.0	ND	104	70-130	4.56	15	
Methyl tert-butyl ether	10.3	5.00	"	10.0	ND	103	70-130	5.79	15	
Surrogate: 4-BFB (PID)	*50.7*		"	*48.0*		*106*	*50-150*			

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6747 Sierra Court Suite G	Project Number: 386616	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	01/02/01 13:39

Dissolved Metals by EPA 6000/7000 Series Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0L20050: Prepared 12/20/00 Using EPA 3005A										
Blank (0L20050-BLK1)										
Lead	ND	0.00100	mg/l							
LCS (0L20050-BS1)										
Lead	0.201	0.00100	mg/l	0.200		101	80-120			
Matrix Spike (0L20050-MS1)					**Source: B0L0002-02**					
Lead	0.177	0.00100	mg/l	0.200	0.00190	87.5	75-125			
Matrix Spike Dup (0L20050-MSD1)					**Source: B0L0002-02**					
Lead	0.181	0.00100	mg/l	0.200	0.00190	89.5	75-125	2.23	20	

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Notes and Definitions

Q-05	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

North Creek Analytical - Bothell

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Robert Green, Project Manager