GETTLER-RYAN INC.

December 11, 1998
Job #386660

Mr. Garrick Jauregui
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

Re: Fourth Quarter 1998 Groundwater Monitoring & Sampling Report
Former Chevron Service Station No. 9-5257
8808 271st Street Northwest
Stanwood, Washington

Dear Mr. Jauregui:

This report documents the quarterly groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On October 26, 1998, field personnel were on-site to monitor and sample three wells (C-5, C-7 and C-8) at the above referenced site. A Site Vicinity Map is included as Figure 1.

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/Concentration Map is included as Figure 2. Purge water was treated by filtering the water through granular activated carbon and was subsequently discharged to the ground surface at the site.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets for this event are attached. The samples were analyzed by North Creek Analytical. Analytical results are presented in Table 1. The chain of custody document and laboratory analytical reports are attached.

Thank you for allowing Gettler-Ryan Inc. to provide environmental services to Chevron. Please call if you have any questions or comments regarding this report.

Sincerely,

Deanna L. Harding
Project Coordinator

Stephen J. Carter
Senior Geologist

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

Figure 1: Site Vicinity Map
Figure 2: Potentiometric/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

Independent Action Report Update

Site Name: Chevron 9-5257

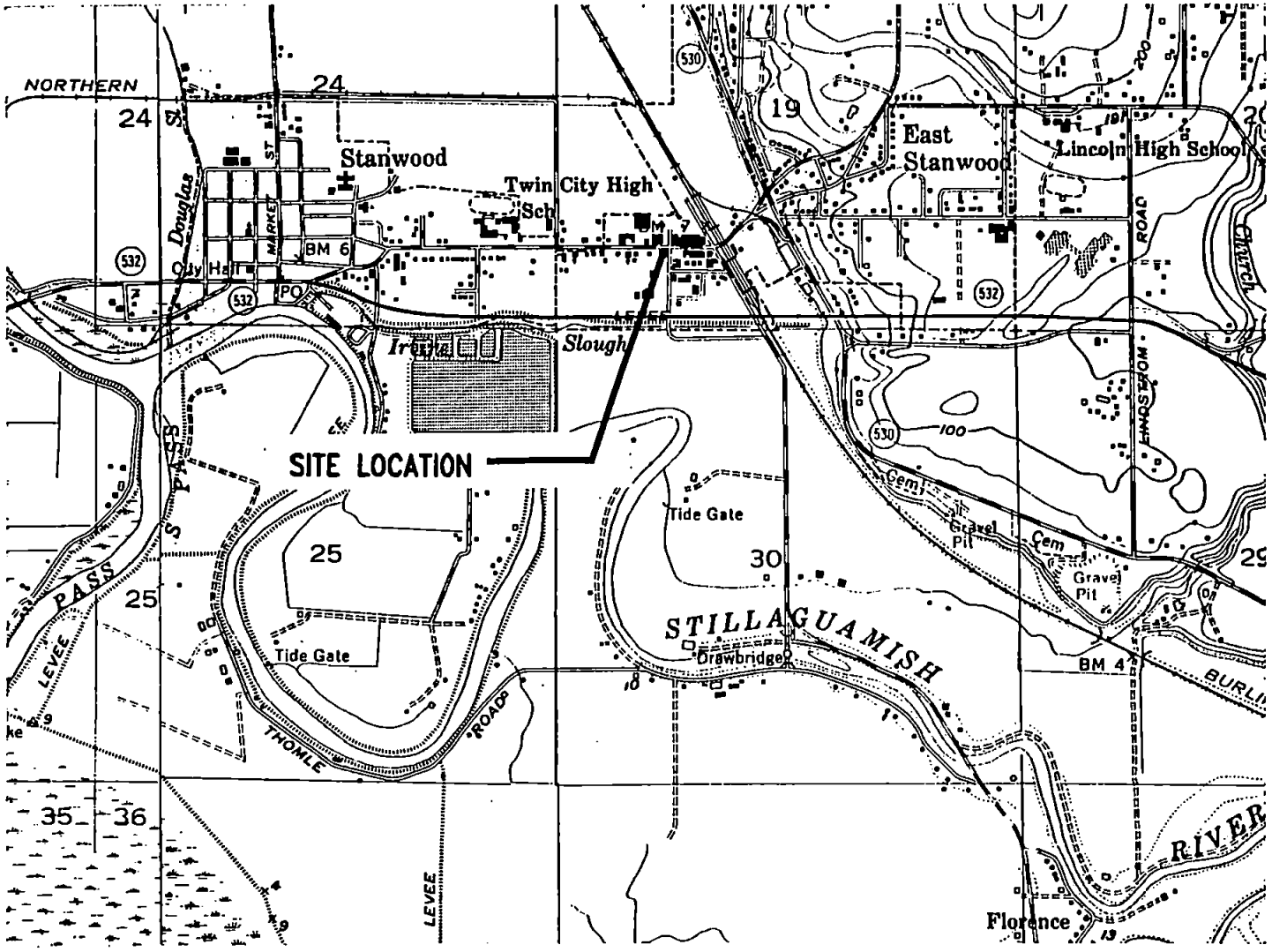
Inc. #: 2294 **Date of Report:** 12-11-98

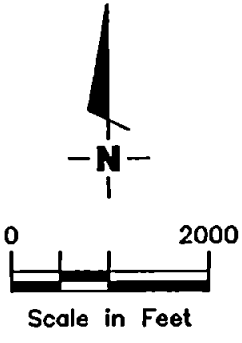
County: _____ **Date Report Rec'd:** 12-31-98

Reviewed by: Ben Amoah-Forson

Comments (e.g. free product, off site migration, Conc. Trend)

None of 3 MW's sampled
TPHG levels above 'A'
interim





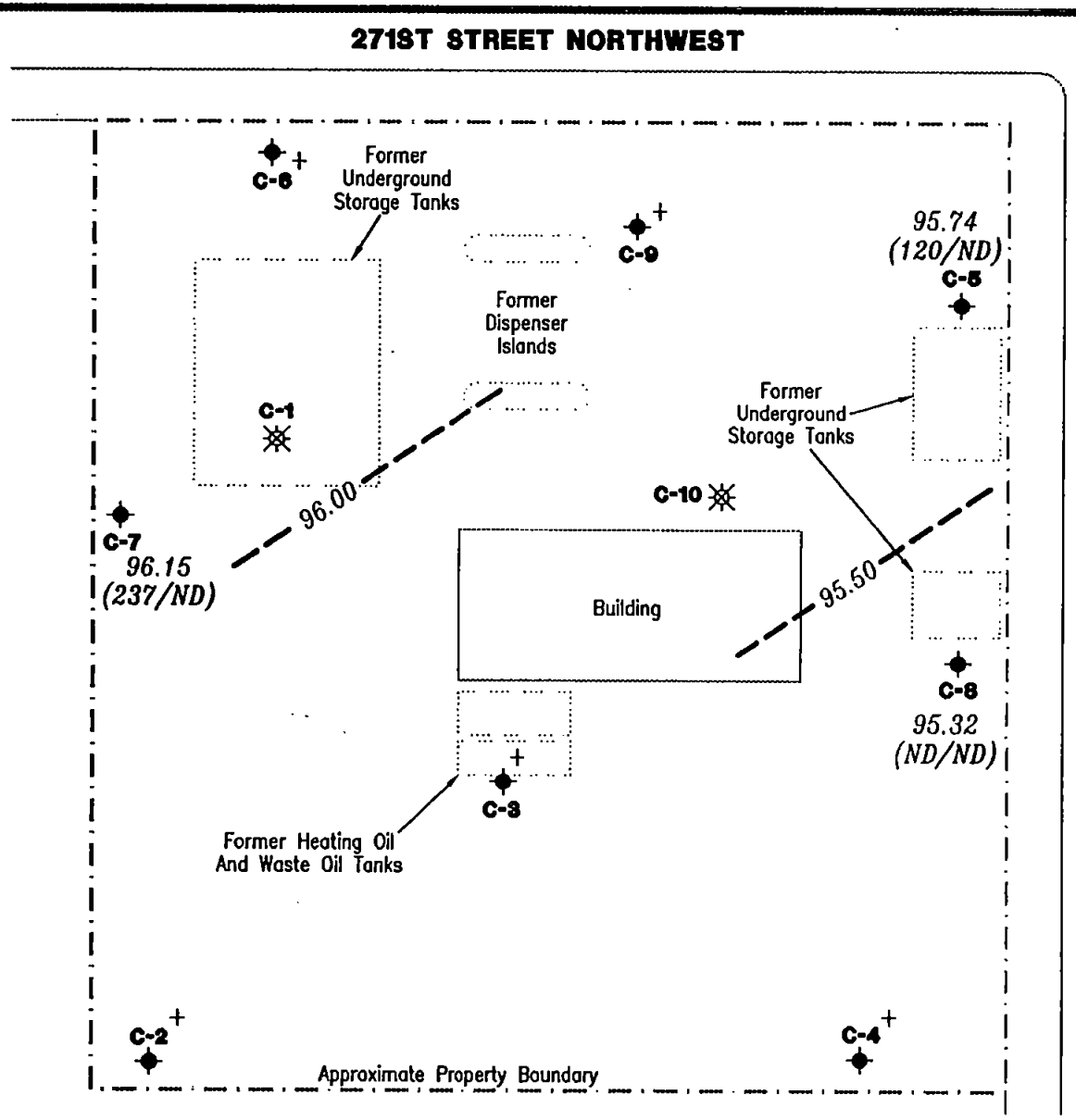
Base Map: USGS Topographic Map

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

VICINITY MAP
Former Chevron Service Station No. 9-5257
8808 271st Street Northwest
Stanwood, Washington

FIGURE
1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
386660		December, 1998	



EXPLANATION

✦	Groundwater monitoring well
⊗	Abandoned monitoring well
99.99	Groundwater elevation in feet referenced to an arbitrary datum
99.99	Groundwater elevation contour, dashed where inferred.
(A/B)	TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/ Benzene concentrations in ppb
ND	Not Detected
+	Not in monitoring/sampling program

Approximate groundwater flow direction at a gradient of 0.008 Ft./Ft.

N

0 30

Scale in Feet

Source: Figure Modified From Drawing Provided By Pacific Environmental Group, Inc.

Gettler - Ryan Inc.

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Dublin, CA 94568

POTENTIOMETRIC/CONCENTRATION MAP
Former Chevron Service Station No. 9-5257
8808 271st Street Northwest
Stanwood, Washington

FIGURE 2

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
386660		October 26, 1998	

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station No. 9-5257

8808 271st Street Northwest

Stanwood, Washington

WELL ID/ TOC*	DATE	DTW (ft.)	GWE (ft.)	SPHT (ft.)	TPH-G *(ppb)*	B *(ppb)*	T *(ppb)*	E *(ppb)*	X *(ppb)*
C-1									
97.96	07/06/90	1.74	96.22	--	11,000	680	770	350	2,300
	11/08/90	1.17	96.79	--	39,000	6,800	7,600	1,800	6,700
	11/19/90	ABANDONED		--	--	--	--	--	--
C-2									
97.31	07/06/90	0.86	96.45	--	ND	ND	ND	ND	ND
	11/08/90	0.56	96.75	--	ND	ND	ND	ND	ND
	12/26/90	0.56	96.75	--	ND	3.0	0.5	ND	ND
	03/27/91	0.40	96.91	--	ND	1.3	ND	ND	ND
	06/14/91	0.61	96.70	--	ND	ND	ND	ND	ND
	10/07/91	2.45	94.86	--	ND	ND	ND	ND	ND
	03/04/92	0.20	97.11	--	ND	ND	ND	ND	ND
	06/11/92	1.36	95.95	--	ND	ND	ND	ND	ND
	09/24/92	1.40	95.91	--	ND	ND	ND	ND	ND
	12/28/92	0.50	96.81	--	ND	ND	ND	ND	ND
	06/23/93	NOT MONITORED/SAMPLED			--	--	--	--	--
C-3									
98.24	07/06/90	1.67	96.57	--	ND	ND	ND	ND	1.3
	11/08/90	1.20	97.04	--	ND	ND	ND	ND	ND
	12/26/90	1.37	96.87	--	ND	ND	ND	ND	ND
	03/27/91	0.74	97.50	--	ND	ND	ND	ND	ND
	06/14/91	1.17	97.07	--	ND	ND	ND	ND	ND
	10/07/91	2.51	95.73	--	ND	ND	ND	ND	ND
	03/04/92	2.64	95.60	--	ND	ND	ND	ND	ND
	06/11/92	2.19	96.05	--	ND	ND	ND	ND	ND
	09/24/92	2.00	96.24	--	ND	ND	ND	ND	ND
	12/28/92	0.85	97.39	--	ND	ND	ND	ND	ND
	06/23/93	NOT MONITORED/SAMPLED			--	--	--	--	--

Table 1

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Former Chevron Service Station No. 9-5257

8808 271st Street Northwest

Stanwood, Washington

WELL ID/ TOC*	DATE	DTW (ft.)	GWE (ft.)	SPHT (ft.)	TPH-G *(ppb)*	B *(ppb)*	T *(ppb)*	E *(ppb)*	X *(ppb)*
C-4									
97.01	07/06/90	0.37	96.64	--	ND	2.8	ND	7.0	3.1
	11/08/90	0.38	96.63	--	ND	ND	ND	ND	0.5
	12/26/90	0.45	96.56	--	ND	ND	ND	ND	ND
	03/27/91	0.35	96.66	--	ND	ND	ND	ND	ND
	06/14/91	0.78	96.23	--	ND	ND	ND	ND	ND
	10/07/91	2.01	95.00	--	ND	ND	ND	ND	ND
	03/04/92	0.10	96.91	--	ND	ND	ND	ND	ND
	06/11/92	1.19	95.82	--	ND	ND	ND	ND	ND
	09/24/92	0.47	96.54	--	ND	ND	ND	ND	ND
	12/28/92	0.00	97.01	--	ND	ND	0.61	0.53	ND
	06/23/93	0.90	96.11	--	ND	ND	ND	ND	ND
	12/13/93	0.00	97.01	--	ND	ND	ND	ND	ND
	06/03/94	0.79	96.22	--	ND	ND	ND	ND	ND
	12/07/94	0.78	96.23	--	ND	ND	ND	ND	ND
	06/19/95	1.78	95.23	--	1,200	6.4	0.95	2.2	5.6
	12/08/95	0.87	96.14	--	ND	ND	ND	ND	ND
	06/06/96	0.25	96.76	--	ND	ND	ND	ND	ND
	05/28/97	0.40	96.61	--	ND	ND	ND	ND	ND
	08/05/97	--	--	--	--	--	--	--	--
	09/09/97	1.10	95.91	--	ND	ND	ND	ND	ND
	12/10/97	1.40	95.61	--	ND	ND	ND	ND	ND
	02/11/98	--	--	--	--	--	--	--	--
	05/19/98	0.80	96.21	--	ND	ND	ND	ND	ND
	08/28/98	1.10	95.91	--	ND	ND	ND	ND	ND
	10/26/98	**NOT MONITORED/SAMPLED**			--	--	--	--	--
C-5									
97.95	07/06/90	1.93	96.02	--	5,000	1,200	16	39	56
	11/08/90	2.05	95.90	--	4,000	1,000	ND	34	44
	12/26/90	1.50	96.45	--	ND	350	ND	27	40
	03/27/91	1.22	96.73	--	ND	250	4.3	6.3	13
	06/14/91	1.98	95.97	--	960	120	2.1	6.0	8.6

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station No. 9-5257

8808 271st Street Northwest

Stanwood, Washington

WELL ID/ TOC*	DATE	DTW (ft.)	GWE (ft.)	SPHT (ft.)	TPH-G *(ppb)*	B *(ppb)*	T *(ppb)*	E *(ppb)*	X *(ppb)*
C-5	10/07/91	2.35	95.60	--	1,100	55	1.5	4.2	3.2
(cont)	03/04/92	1.96	95.99	--	520	14	0.76	9.4	6.7
	06/11/92	2.18	95.77	--	490	5.2	0.62	3.6	3.3
	09/24/92	2.28	95.67	--	450	2.4	ND	0.66	ND
	12/28/92	2.18	95.77	--	360	7.2	ND	ND	ND
	06/23/93	1.79	96.16	--	320	0.5	0.6	1.2	1.1
	12/13/93	2.10	95.85	--	ND	ND	ND	ND	ND
	06/03/94	2.21	95.74	--	150	ND	ND	ND	ND
	12/07/94	2.08	95.87	--	370	11	1.1	1.2	3.3
	06/19/95	0.98	96.97	--	ND	ND	ND	ND	ND
	12/08/95	0.93	97.02	--	460	4.1	0.5	0.52	2.0
	06/06/96	1.75	96.20	--	148	0.604	ND	ND	ND
	05/28/97	1.70	96.25	--	ND	ND	ND	ND	ND
	08/05/97	2.00	95.95	--	127	0.581	0.744	0.657	1.08
	09/09/97	1.81	96.14	--	246	1.73	ND	ND	ND
	12/10/97	2.20	95.75	--	411	2.11	1.02	1.75	4.13
	02/11/98	1.33	96.62	--	298	2.78	0.706	ND	1.15
	05/19/98	1.53	96.42	--	424	ND	ND	ND	ND
	08/28/98	1.35	96.60	--	209	ND	ND	ND	ND
	10/26/98	**2.21**	**95.74**	**0.00**	**120**	**ND**	**ND**	**0.559**	**1.08**
C-6									
97.81	07/06/90	1.24	96.57	--	ND	0.9	2.3	1.4	8.6
	11/08/90	1.09	96.72	--	ND	ND	ND	ND	6.3
	12/26/90	2.60	95.21	--	ND	ND	ND	ND	1.8
	03/27/91	0.88	96.93	--	ND	ND	ND	ND	ND
	06/14/91	1.36	96.45	--	ND	ND	ND	ND	ND
	10/07/91	1.91	95.90	--	ND	ND	ND	ND	1.8
	03/04/92	1.30	96.51	--	ND	ND	ND	ND	ND
	06/11/92	1.47	96.34	--	ND	ND	ND	ND	ND
	09/24/92	1.07	96.74	--	ND	ND	ND	ND	ND
	12/28/92	0.98	96.83	--	ND	ND	ND	ND	ND
	06/23/93	NOT MONITORED/SAMPLED			--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station No. 9-5257

8808 271st Street Northwest

Stanwood, Washington

WELL ID/ TOC*	DATE	DTW (ft.)	GWE (ft.)	SPHT (ft.)	TPH-G *(ppb)*	B *(ppb)*	T *(ppb)*	E *(ppb)*	X *(ppb)*
C-7									
97.76	10/07/91	2.18	95.58	--	1,200	32	0.65	11	82
	03/04/92	1.10	96.66	--	1,500	49	0.72	12	110
	06/11/92	2.01	95.75	--	830	18	0.66	2.9	49
	09/24/92	1.60	96.16	--	1,100	20	1.6	3.7	39
	12/28/92	0.80	96.96	--	1,500	53	ND	12	69
	06/23/93	1.15	96.61	--	710	20	1.2	1.2	6.8
	12/13/93	1.34	96.42	--	250	0.9	ND	0.6	1.8
	06/03/94	1.55	96.21	--	340	1.7	ND	ND	1.0
	12/07/94	1.35	96.41	--	410	1.1	0.8	1.1	4.7
	06/19/95	2.19	95.57	--	210	2.7	0.85	ND	1.1
	12/08/95	2.00	95.76	--	850	3.9	0.52	ND	1.7
	06/06/96	1.91	95.85	--	806	4.56	ND	ND	1.22
	05/28/97	2.00	95.76	--	1,240	1.18	0.821	0.7	2.43
	08/05/97	2.18	95.58	--	951	0.988	1.44	0.975	3.85
	09/09/97	2.36	95.40	--	1,190	2.64	1.35	ND	4.77
	12/10/97	2.00	95.76	--	628	2.47	0.813	1.51	2.58
	02/11/98	2.00	95.76	--	1,080	14.2	1.49	2.78	3.06
	05/19/98	2.82	94.94	--	1,410	ND	ND	ND	ND
	08/28/98	2.29	95.47	--	285	ND	ND	ND	1.05
	10/26/98	**1.61**	**96.15**	**0.00**	**237**	**ND**	**ND**	**ND**	**ND**
C-8									
97.43	11/15/91	0.73	96.70	--	130	ND	37	1.5	5.2
	03/04/92	1.46	95.97	--	ND	ND	ND	ND	ND
	06/11/92	1.91	95.52	--	ND	ND	ND	ND	ND
	09/24/92	1.07	96.36	--	ND	ND	ND	ND	ND
	12/28/92	3.20	94.23	--	ND	ND	ND	ND	ND
	06/23/93	1.00	96.43	--	ND	ND	ND	ND	ND
	12/13/93	1.77	95.66	--	ND	ND	ND	ND	ND
	06/03/94	2.18	95.25	--	ND	ND	ND	ND	ND

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station No. 9-5257

8808 271st Street Northwest

Stanwood, Washington

WELL ID/ TOC*	DATE	DTW (ft.)	GWE (ft.)	SPHT (ft.)	TPH-G *(ppb)*	B *(ppb)*	T *(ppb)*	E *(ppb)*	X *(ppb)*
C-8	12/07/94	2.02	95.41	--	ND	ND	ND	ND	ND
(cont)	06/19/95	1.59	95.84	--	ND	1.2	1.9	ND	1.9
	12/08/95	0.98	96.45	--	ND	ND	ND	ND	ND
	06/06/96	1.38	96.05	--	ND	ND	ND	ND	ND
	05/28/97	2.33	95.10	--	ND	ND	ND	ND	ND
	08/05/97	2.13	95.30	--	ND	ND	0.842	ND	ND
	09/09/97	2.29	95.14	--	ND	0.737	ND	ND	ND
	12/10/97	1.97	95.46	--	ND	ND	ND	ND	ND
	02/11/98	1.93	95.50	--	ND	ND	ND	ND	ND
	05/19/98	2.15	95.28	--	ND	ND	ND	ND	ND
	08/28/98	1.60	95.83	--	ND	ND	ND	ND	ND
	10/26/98	**2.11**	**95.32**	**0.00**	**ND**	**ND**	**ND**	**ND**	**ND**
C-9									
98.04	11/15/91	1.35	96.69	--	83	ND	23	0.94	3.5
	03/04/92	1.81	96.23	--	ND	ND	ND	ND	ND
	06/11/92	2.06	95.98	--	ND	ND	ND	ND	ND
	09/24/92	1.44	96.60	--	ND	ND	ND	ND	ND
	12/28/92	1.18	96.86	--	ND	ND	ND	ND	ND
	06/23/93	NOT MONITORED/SAMPLED			--	--	--	--	--
C-10									
98.79	11/15/91	2.10	96.69	--	1,300	140	32	22	5.0
	02/27/92	ABANDONED		--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station No. 9-5257

8808 271st Street Northwest

Stanwood, Washington

WELL ID/ TOC*	DATE	DTW (ft.)	GWE (ft.)	SPHT (ft.)	TPH-G *(ppb)*	B *(ppb)*	T *(ppb)*	E *(ppb)*	X *(ppb)*
Trip Blank									
TB-LB	08/28/98				ND	ND	ND	ND	ND
	10/26/98	--	--	--	**ND**	**ND**	**ND**	**ND**	**ND**

	TPH-G	B	T	E	X
Current Laboratory Reporting Limits:	**50.0**	**0.500**	**0.500**	**0.500**	**1.00**
MTCA Method A Cleanup Levels:	**1,000**	**5.0**	**40**	**30**	**20**
Current Method:	**WTPH-G and EPA 8021B**				

Table 1

Explanations

Former Chevron Service Station No. 9-5257
8808 271st Street Northwest
Stanwood, Washington

EXPLANATIONS:

Groundwater monitoring data and analytical results prior to October 26, 1998, were compiled from reports prepared by Pacific Environmental Group, Inc.

TOC = Top of Casing
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
SPHT = Separate-phase hydrocarbon thickness
TPH-G = Total Petroleum Hydrocarbons as Gasoline (Gasoline Range Hydrocarbons)

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes

ppb - Parts per billion
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 are referenced in feet.

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 a MMC flexi-dip 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 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.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility: Chevron #9-5257 | Job#: 386660

Address: 8808 27[st] Street | Date: 10 26 98

City: Stanwood CA | Sampler: R Cline

Well ID: C-5 | Well Condition: clay

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

Total Depth: 9' ft.

Depth to Water: 2.21 ft.

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

6.79 X VF 0.17 = 1.15 X 3 (case volume) = Estimated Purge Volume: 3.5 (gal.)

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

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

Starting Time: 1799 | Weather Conditions: Clear (cc)

Sampling Time: 1759 | Water Color: Clear | Odor: Mild

Purging Flow Rate: 1.4 gpm. | Sediment Description: Mod

Did well de-water? N/C | If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1750	1.4	7.00	950	17.2			
1754	2.8	6.80	800	17.2			
1752	4.2	6.72	808	17.6			
1754	5.6	6.71	805	17.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-5	3x40ml VOA	Y	HCl	SEQUOIA NCA	Cas BTXE

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility: Chevron # 9-5257 | Job#: 386660
Address: 8808 27[ST] Street | Date: 10/26-9E
City: Stanwood CA | Sampler: F. Clarie

Well ID: C-7 | Well Condition: okay
Well Diameter: 2" in. | Hydrocarbon Thickness: 0 (feet) | Amount Bailed (product/water): 0 (Gallons)
Total Depth: 10' ft.
Depth to Water: 1.61 ft.

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

8.39 X VF 0.17 = 1.4 X 3 (case volume) = Estimated Purge Volume: 4.3 (gal.)

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

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

Starting Time: 1734 | Weather Conditions: clear cool
Sampling Time: 1738 | Water Color: Clear | Odor: Mild Diesel
Purging Flow Rate: 1.4 gpm. | Sediment Description: None
Did well de-water? NC | If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1735	1.4	6.53	1310	15.1			
1736	2.8	6.52	1651	15.5			
1737	4.2	6.52	1645	15.3			
1738	5.6	6.5	1645	15.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-7	3x40ml VOA	Y	HCl	SEQUOIA WA	TPH(Gas) BTXE

COMMENTS: _____

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility: Chevron # 9-5257 Job#: 386660

Address: 8808 27th Street Date: 10/29/98

City: Stanwood CA Sampler: F. Cline

Well ID: C-8 Well Condition: okay

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

Total Depth: 10 ft.

Depth to Water: 2.11 ft.

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

7.89 x VF 0.17 = 1.3 X 3 (case volume) = Estimated Purge Volume: 4.0 (gal.)

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

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

Starting Time: ~~1229~~ 1222 Weather Conditions: Clear cool

Sampling Time: 1227 Water Color: Clear Odor: None

Purging Flow Rate: 1.9 gpm. Sediment Description: None

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)
~~1225~~ 1223	1.3	6.17	600	15.9			
1224	2.6	6.20	598	15.8			
1225	3.9	6.19	598	15.9			
1227	4.5	6.20	597	15.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-8	3x40ml VOA	Y	HCl	SEQUOIA	NA THC Gas BTXE

COMMENTS: _____

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

BOTHELL ▪ (425) 420-9200 ▪ FAX 420-9210
SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 906-9200 ▪ FAX 906-9210

Gettler-Ryan Inc.	Project:	Chevron Former Facility #9-5257	Sampled: 10/26/98
3164 Gold Camp Dr.#240	Project Number:	386660.85	Received: 10/27/98
Rancho Cordova, CA/USA 95670	Project Manager:	Deanna L. Harding	Reported: 11/4/98 13:41

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
TB-LB	B810610-01	Water	10/26/98
C-8	B810610-02	Water	10/26/98
C-7	B810610-03	Water	10/26/98
C-5	B810610-04	Water	10/26/98

North Creek Analytical - Bothell

Steve Davis, Project Manager

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.

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

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SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 906-9200 ▪ FAX 906-9210

Gettler-Ryan Inc.	Project:	Chevron Former Facility #9-5257	Sampled: 10/26/98
3164 Gold Camp Dr.#240	Project Number:	386660.85	Received: 10/27/98
Rancho Cordova, CA/USA 95670	Project Manager:	Deanna L. Harding	Reported: 11/4/98 13:41

Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
TB-LB			B810610-01				Water	
Gasoline Range Hydrocarbons	1180021	11/2/98	11/3/98		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*88.3*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*95.8*	"	
C-8			B810610-02				Water	
Gasoline Range Hydrocarbons	1180021	11/2/98	11/3/98		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*93.3*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*98.5*	"	
C-7			B810610-03				Water	
Gasoline Range Hydrocarbons	1180021	11/2/98	11/3/98		50.0	**237**	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*105*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*104*	"	
C-5			B810610-04				Water	
Gasoline Range Hydrocarbons	1180021	11/2/98	11/3/98		50.0	**120**	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	**0.559**	"	
Xylenes (total)	"	"	"		1.00	**1.08**	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*100*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*101*	"	

NORTH CREEK ANALYTICAL
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Gettler-Ryan Inc.	Project:	Chevron Former Facility #9-5257	Sampled: 10/26/98
3164 Gold Camp Dr.#240	Project Number:	386660.85	Received: 10/27/98
Rancho Cordova, CA/USA 95670	Project Manager:	Deanna L. Harding	Reported: 11/4/98 13:41

Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B/Quality Control
North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 1180021	**Date Prepared: 11/2/98**					**Extraction Method: EPA 5030B (P/T)**				
Blank	**1180021-BLK1**									
Gasoline Range Hydrocarbons	11/2/98			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**1.00**				
Surrogate: 4-BFB (FID)	"	*48.0*		*42.7*	"	*50.0-150*	*89.0*			
Surrogate: 4-BFB (PID)	"	*48.0*		*46.5*	"	*50.0-150*	*96.9*			
LCS	**1180021-BS1**									
Gasoline Range Hydrocarbons	11/2/98	500		464	ug/l	70.0-130	92.8			
Surrogate: 4-BFB (FID)	"	*48.0*		*45.6*	"	*50.0-150*	*95.0*			
Duplicate	**1180021-DUP1**		**B811001-01**							
Gasoline Range Hydrocarbons	11/2/98		ND	ND	ug/l			25.0		
Surrogate: 4-BFB (FID)	"	*48.0*		*37.0*	"	*50.0-150*	*77.1*			
Matrix Spike	**1180021-MS1**		**B811009-01**							
Benzene	11/2/98	10.0	ND	8.72	ug/l	70.0-130	**87.2**			
Toluene	"	10.0	ND	9.00	"	70.0-130	**90.0**			
Ethylbenzene	"	10.0	ND	9.04	"	70.0-130	**90.4**			
Xylenes (total)	"	30.0	ND	27.3	"	70.0-130	**91.0**			
Surrogate: 4-BFB (PID)	"	*48.0*		*47.5*	"	*50.0-150*	*99.0*			
Matrix Spike Dup	**1180021-MSD1**		**B811009-01**							
Benzene	11/2/98	10.0	ND	8.89	ug/l	70.0-130	**88.9**	15.0	**1.93**	
Toluene	"	10.0	ND	9.10	"	70.0-130	**91.0**	15.0	**1.10**	
Ethylbenzene	"	10.0	ND	9.12	"	70.0-130	**91.2**	15.0	**0.881**	
Xylenes (total)	"	30.0	ND	27.4	"	70.0-130	**91.3**	15.0	**0.329**	
Surrogate: 4-BFB (PID)	"	*48.0*		*47.5*	"	*50.0-150*	*99.0*			

North Creek Analytical - Bothell

**Refer to end of report for text of notes and definitions.*

Steve Davis, Project Manager

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

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SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Gettler-Ryan Inc.	Project:	Chevron Former Facility #9-5257	Sampled: 10/26/98
3164 Gold Camp Dr.#240	Project Number:	386660.85	Received: 10/27/98
Rancho Cordova, CA/USA 95670	Project Manager:	Deanna L. Harding	Reported: 11/4/98 13:41

Notes and Definitions

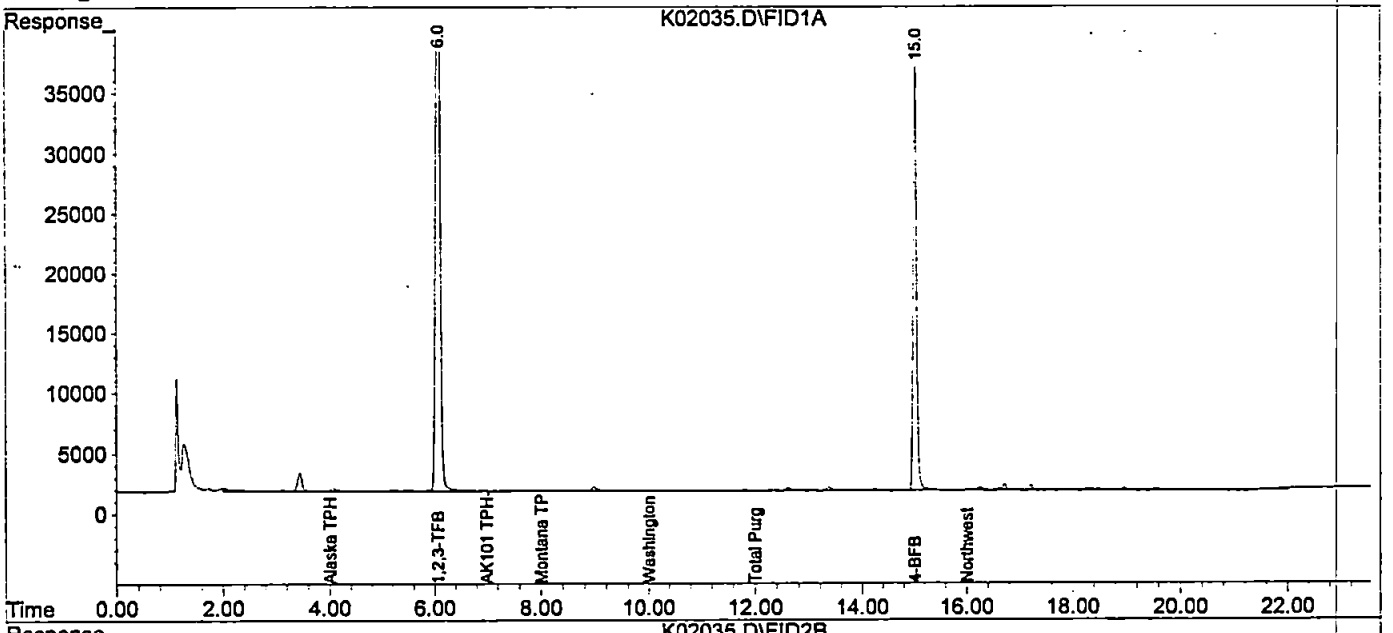
#	Note
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

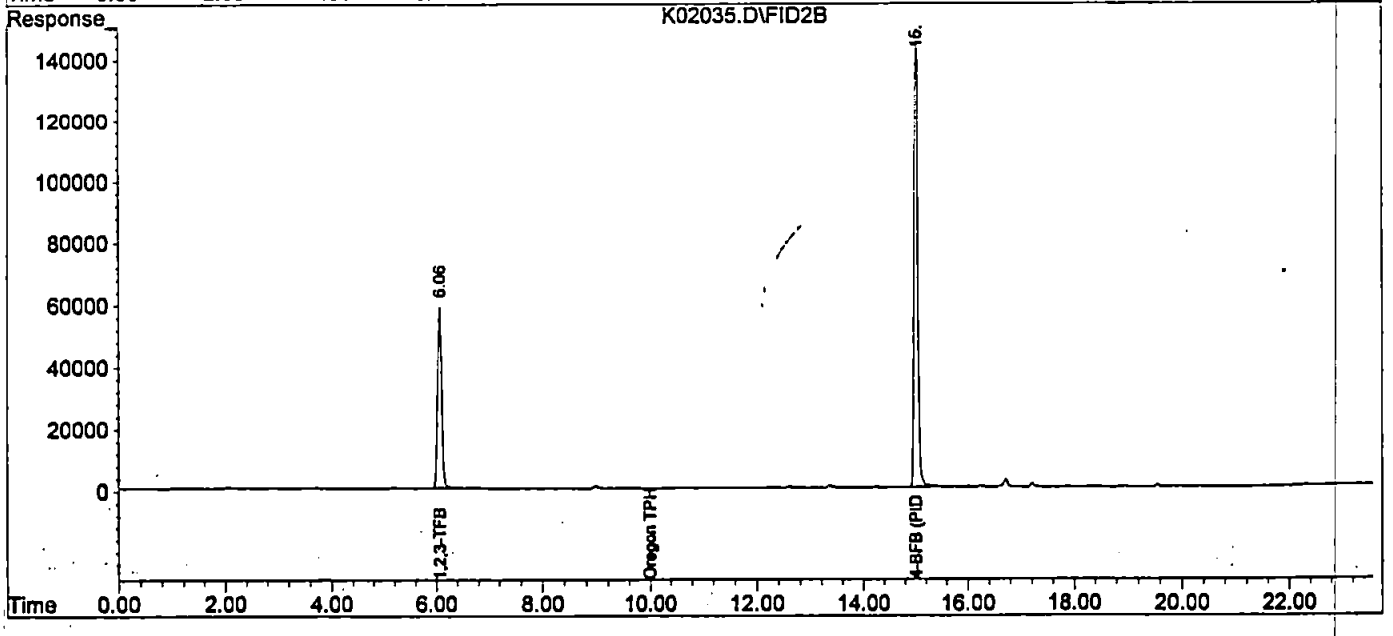
Data File : C:\HPCHEM\4\DATA\K02035.D\FID1A.CH Vial: 35
Acq On : 3 Nov 1998 1:43 am Operator: la
Sample : B810610-01 Inst : GC #8
Misc : 5 mL Multiplr: 1.00
IntFile : SURR.E

Data File : C:\HPCHEM\4\DATA\K02035.D\FID2B.CH Vial: 35
Acq On : 3 Nov 98 1:43 am Operator: la
Sample : B810610-01 Inst : GC #8
Misc : 5 mL Multiplr: 1.00
IntFile : SURR2.E
Quant Time: Nov 3 7:45 1998 Quant Results File: TPHG0908.RES

Quant Method : C:\HPCHEM\4\METHODS\TPHG0908.M (Chemstation Integrator)
Title : TPH-G Water Method
Last Update : Mon Nov 02 14:46:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : TPHG0908.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



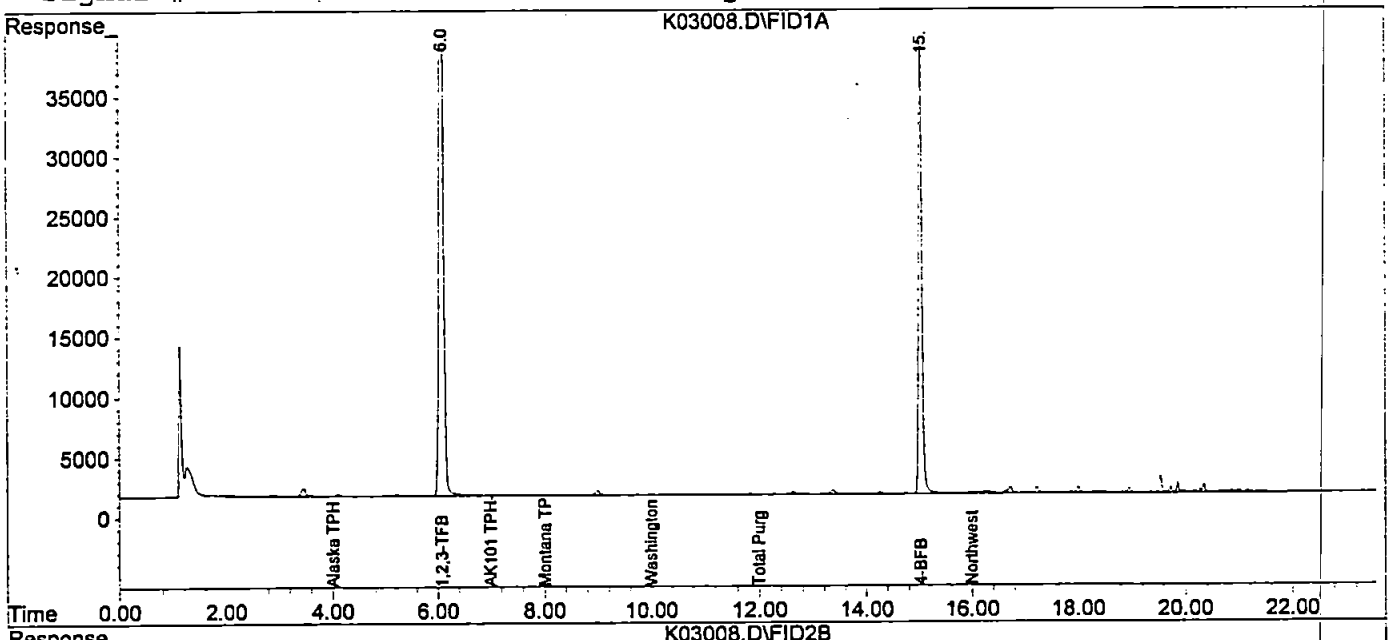


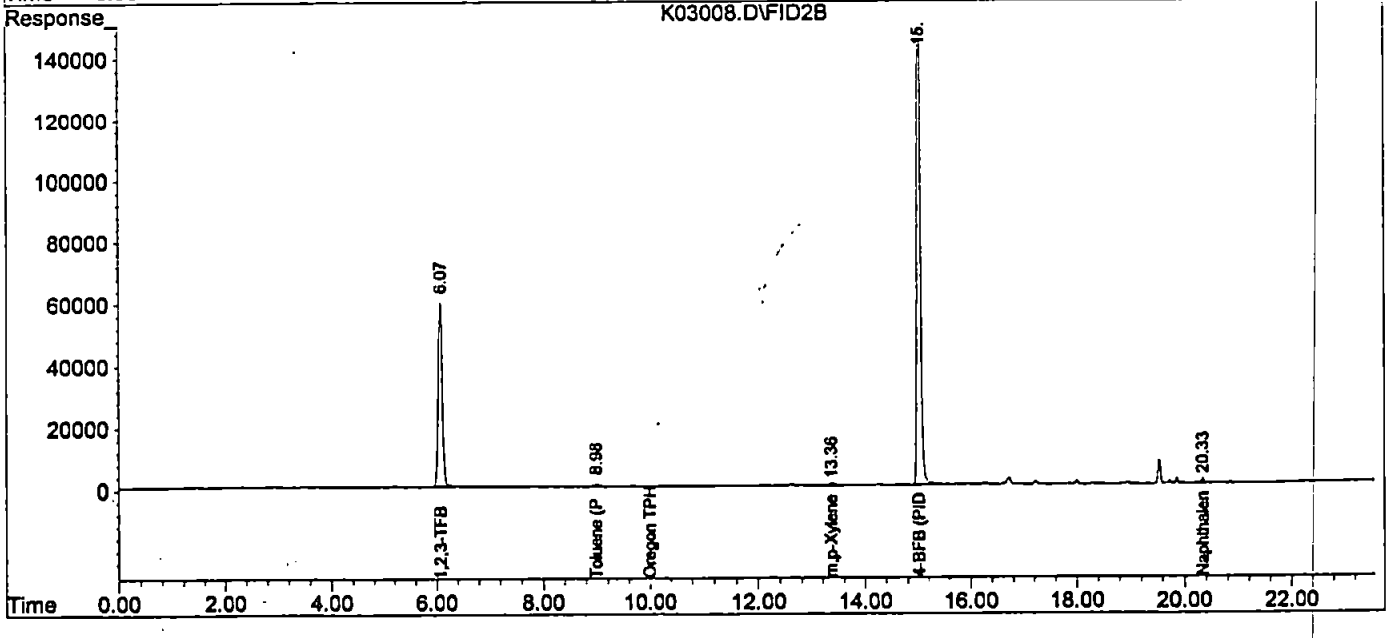
Data File : C:\HPCHEM\4\DATA\K03008.D\FID1A.CH Vial: 8
Acq On : 3 Nov 1998 11:26 am Operator: la
Sample : b810610-02 R1 Inst : GC #8
Misc : 5 mL Multiplr: 1.00
IntFile : SURR.E

Data File : C:\HPCHEM\4\DATA\K03008.D\FID2B.CH Vial: 8
Acq On : 3 Nov 98 11:26 am Operator: la
Sample : b810610-02 R1 Inst : GC #8
Misc : 5 mL Multiplr: 1.00
IntFile : SURR2.E
Quant Time: Nov 3 11:49 1998 Quant Results File: TPHG0908.RES

Quant Method : C:\HPCHEM\4\METHODS\TPHG0908.M (Chemstation Integrator)
Title : TPH-G Water Method
Last Update : Mon Nov 02 14:46:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : TPHG0908.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



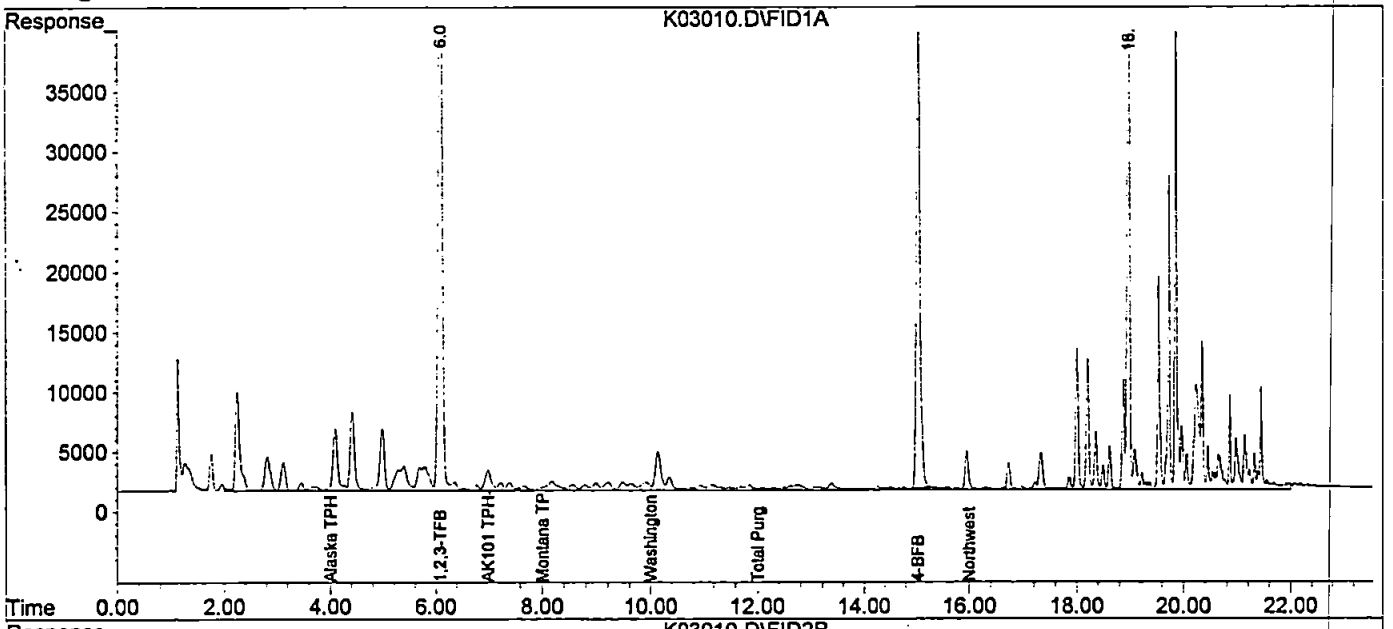


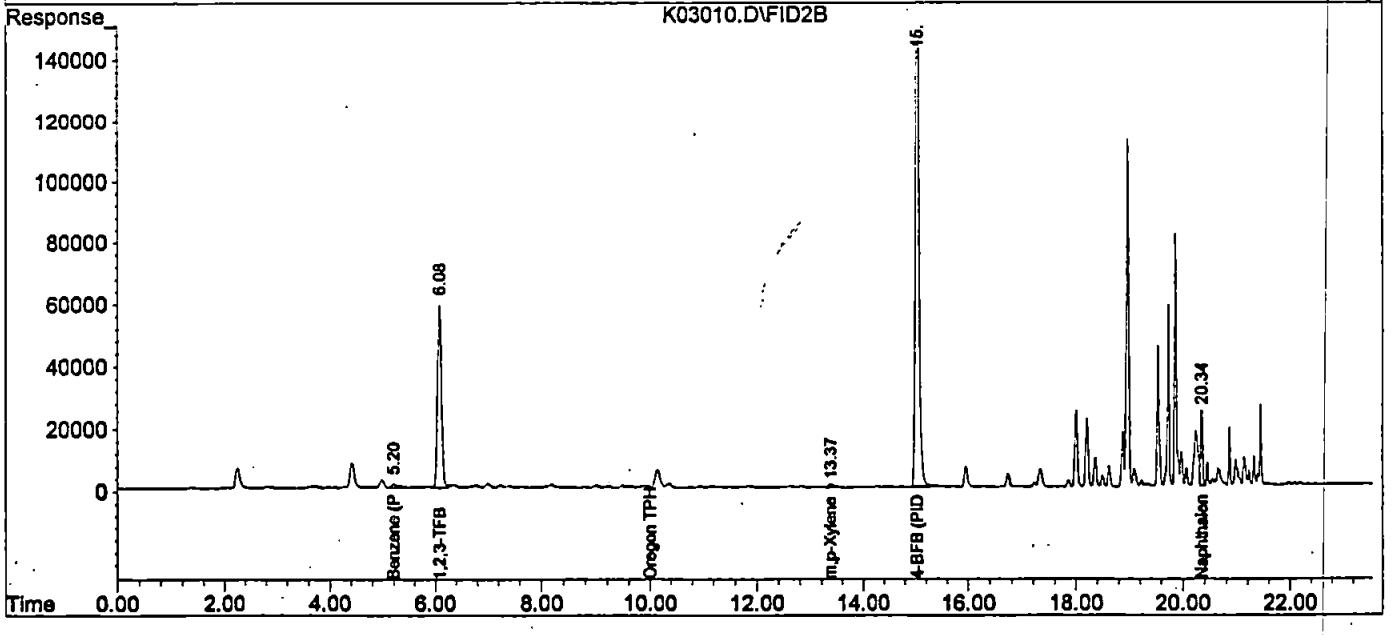
Data File : C:\HPCHEM\4\DATA\K03010.D\FID1A.CH Vial: 10
Acq On : 3 Nov 1998 12:25 pm Operator: la
Sample : b810610-03 R1 Inst : GC #8
Misc : 5 mL Multiplr: 1.00
IntFile : SURR.E

Data File : C:\HPCHEM\4\DATA\K03010.D\FID2B.CH Vial: 10
Acq On : 3 Nov 98 12:25 pm Operator: la
Sample : b810610-03 R1 Inst : GC #8
Misc : 5 mL Multiplr: 1.00
IntFile : SURR2.E
Quant Time: Nov 3 13:20 1998 Quant Results File: TPHG0908.RES

Quant Method : C:\HPCHEM\4\METHODS\TPHG0908.M (Chemstation Integrator)
Title : TPH-G Water Method
Last Update : Mon Nov 02 14:46:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : TPHG0908.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



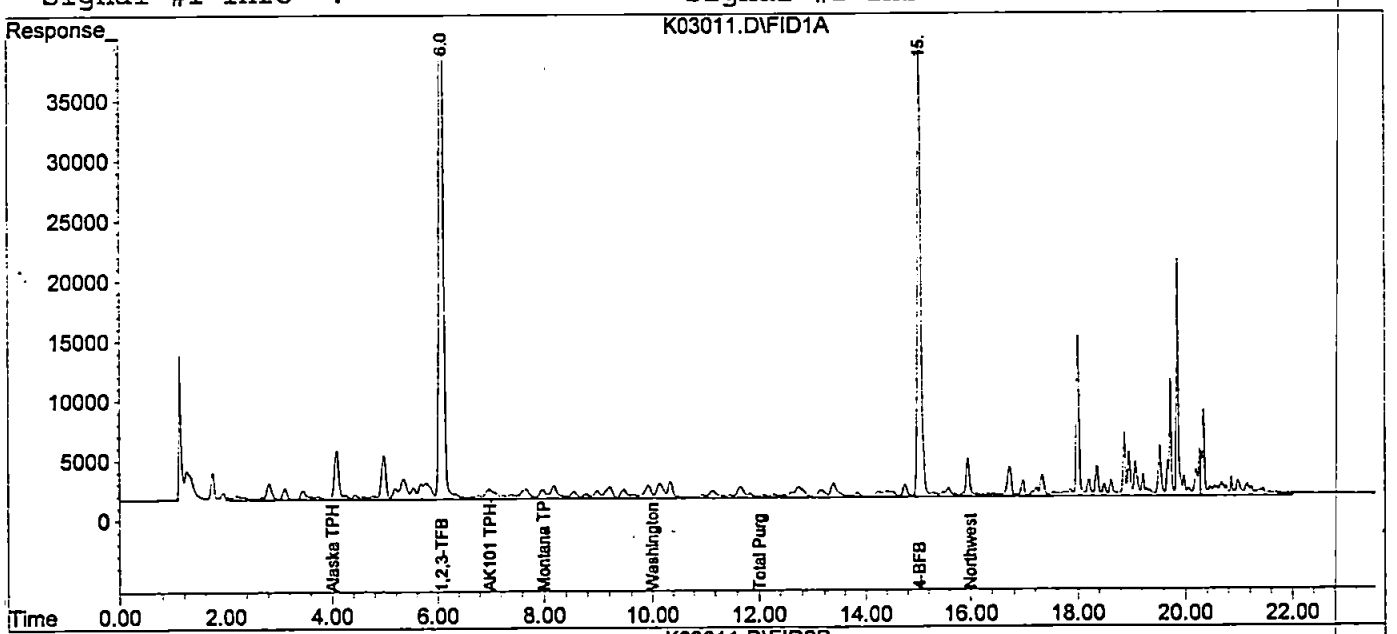


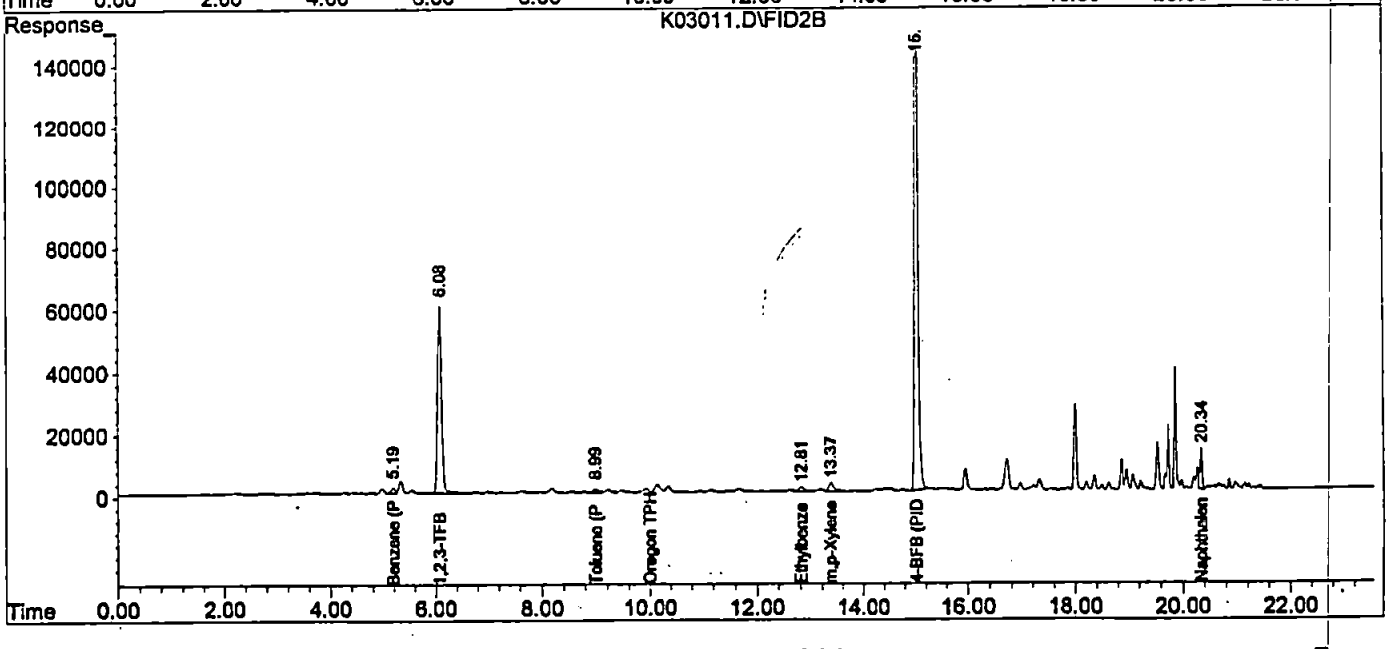
Data File : C:\HPCHEM\4\DATA\K03011.D\FID1A.CH Vial: 11
Acq On : 3 Nov 1998 12:55 pm Operator: la
Sample : b810610-04 R1 Inst : GC #8
Misc : 5 mL Multiplr: 1.00
IntFile : SURR.E

Data File : C:\HPCHEM\4\DATA\K03011.D\FID2B.CH Vial: 11
Acq On : 3 Nov 98 12:55 pm Operator: la
Sample : b810610-04 R1 Inst : GC #8
Misc : 5 mL Multiplr: 1.00
IntFile : SURR2.E
Quant Time: Nov 3 13:19 1998 Quant Results File: TPHG0908.RES

Quant Method : C:\HPCHEM\4\METHODS\TPHG0908.M (Chemstation Integrator)
Title : TPH-G Water Method
Last Update : Mon Nov 02 14:46:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : TPHG0908.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No B810610 **Chain-of-Custody-Re**

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

Chevron Facility Number: Former Facility #9-5257
Facility Address: 8808 271st St., NW, Stanwood, WA
Consultant Project Number: 386660.85
Consultant Name: Gettler- Ryan Inc.,
Address: 6747 Sierra Court, Suite J, Dublin, CA 94568
Project Contact (Name): Deanna L. Harding
(Phone): 925-551-7555 (Fax Number): 925-551-7899

Chevron Contact (Name): Mr. Garrick Jauregui
(Phone): 925-842-8699
Laboratory Name: NCA Bothell
Laboratory Service Order: 22-02790 (CH2O)
Laboratory Service Code:
Samples Collected by (Name): Frank Cline, Field Technician
Signature:

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 (ICAP or AA) Cd,Cr,Pb,Zn,Ni	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HCID	TPH-D Extended	Remarks / Lab Sample No.
TB-US	2	W	HCl	10/26-9E/-		X												B810610 -01
C-8	3			/1725		X												-02
C-7	3			/1735		X												-03
C-5	3			/1729		X												-04

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
[signature]	G-R Inc.	10/27-9E/0705	[signature] NWAB	NCA	10/27/11 0700	
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

10.3

GETTLER-RYAN INC.

TRANSMITTAL

December 28, 1998
G-R #:386660

LUST# 2294

TO: Mr. Ben Forson
Washington Department of Ecology
Northwest Region
3190 160th Avenue, SE
Bellevue, Washington 98008-5452

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

RE: Former Chevron SS No. 9-5257
8808 271st Street Northwest
Stanwood, Washington

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	December 11, 1998	Groundwater Monitoring and Sampling Report Fourth Quarter 1998 - Event of October 26, 1998

COMMENTS:

At the request of Chevron Products Company, we are providing you a copy of the above referenced report. The site is monitored and sampled on a quarterly basis. If you have questions please contact Mr. Garrick Jauregui, Chevron Project Manager, at (925) 842-8699.

Enclosure

cc: Mrs. Sue Johnson, 806 South Sundown Lane, Camino Island, WA 98292-8422

agency/9-5257.gj