release 375266
Chevron 9-9609
Marysville

GETTLER-RYAN INC.
TRANSMITTAL

October 19, 2004
G-R #386696

RECEIVED
NOV 12 2004
DEPT OF ECOLOGY

TO: Ms. Jessica Jenkins
Secor International, Inc.
7730 SW Mohawk Street
Tualatin, Oregon 97062

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

RE: Chevron Service Station
#9-9609
1206 4th Street
Marysville, Washington
MTI: 99609.01

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	October 18, 2004	Groundwater Monitoring and Sampling Report **Event of September 15, 2004**

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 ***November 5, 2004***, at which time the final report will be distributed to the following:

cc: Mr. John Wiefeld, WDOE, Northwest Region, 3190 160th Avenue, SE, Bellevue, WA 98008-5452
Ms. Madelaine Montilla, Secor International Inc, 2301 Leghorn Street, Mountain View CA, 94043

☐ Current Site Check List included.

Enclosure

entered
CP
11-15-04

trans/9-9609-KS

6747 Sierra Court, Suite J • **Dublin**, CA 94568 • (925) 551-7555 • Fax (925) 551-7888
3140 Gold Camp Drive, Suite 170 • **Rancho Cordova**, CA 95670 • (916) 631-1300 • Fax (916) 631-1317
1364 N. McDowell Blvd., Suite B2 • **Petaluma**, CA 94954 • (707) 789-3255 • Fax (707) 789-3218

GETTLER-RYAN INC.

October 18, 2004
Job #386696

Ms. Karen Streich
ChevronTexaco Company
P.O. Box 6012, Room K2256
San Ramon, CA 94583

RE: Event of September 15, 2004
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-9609
1206 4th Street
Marysville, Washington

Dear Ms. Streich:

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 and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. 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

Robert A. Lauritzen
Senior Geologist

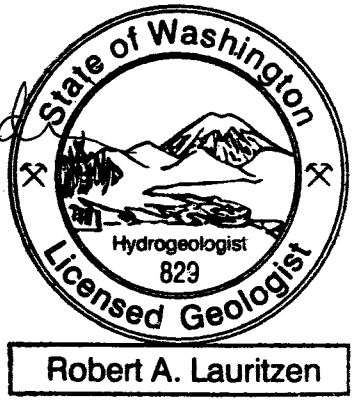
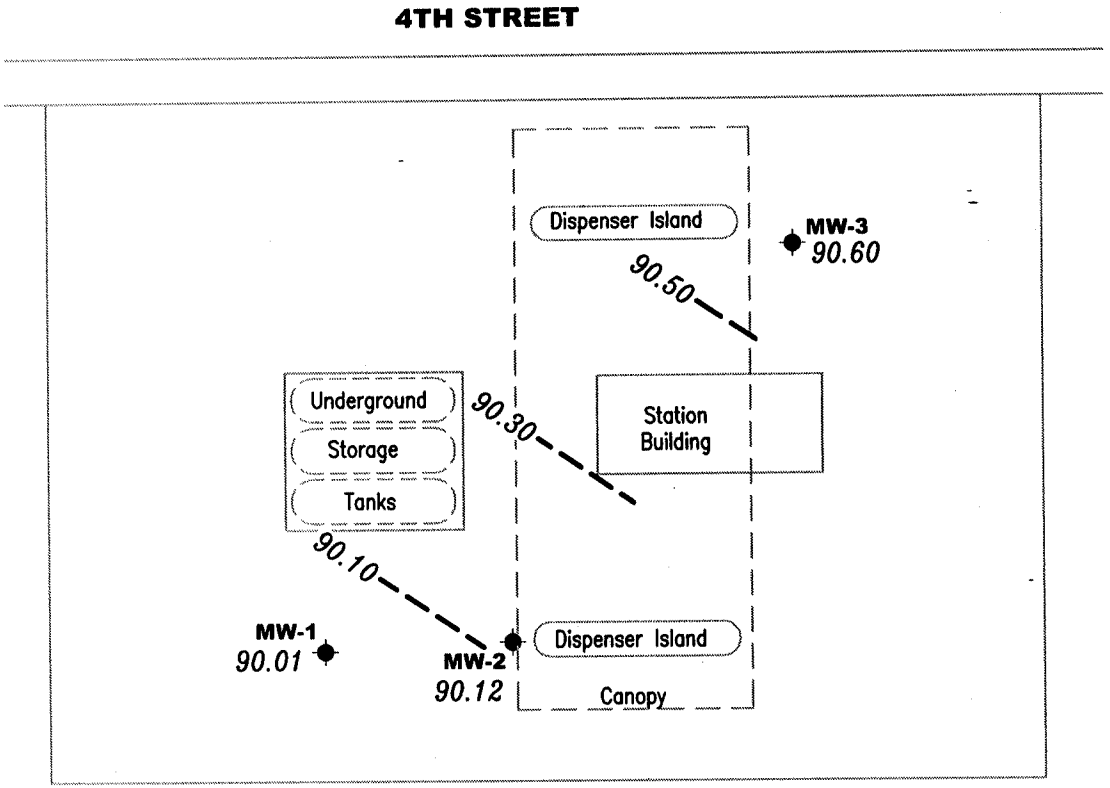


Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



EXPLANATION

- Groundwater monitoring well
- 99.99 — Groundwater elevation in feet referenced to an arbitrary datum
- 99.99 — Groundwater elevation contour, dashed where inferred.
- Approximate groundwater flow direction at a gradient of 0.005 Ft./Ft.

N

0 40

Scale in Feet

Source: Figure modified from drawing provided by Delta.

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

POTENTIOMETRIC MAP
Chevron Service Station #9-9609
1206 4th Street
Marysville, Washington

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386696		September 15, 2004	

FILE NAME: P:\Enviro\Chevron\9-9609\004-9-9609.dwg | Layout Tab: Pot3

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9609

1206 4th Street

Marysville, Washington

WELL ID/ DATE		TOC* (ft.)	DTW (ft.)	GWE (ft.)	TPH-D (ppb)	TPH-O (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	D. Lead (ppm)
MW-1													
12/01/00		99.83	10.00	89.83	--	--	--	--	--	--	--	--	--
12/12/00		99.83	9.94	89.89	ND[2]	ND[2]	ND	ND	ND	ND	ND	ND	0.0121
03/15/01		99.83	9.50	90.33	--	--	ND	ND	ND	ND	1.25	--	--
06/17/01		99.83	8.14	91.69	--	--	<50.0	1.49	<0.500	<0.500	<1.00	--	--
09/20/01		99.83	9.83	90.00	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
12/03/01		99.83	9.18	90.65	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00	--
06/12/02		99.83	10.64	89.19	--	--	--	--	--	--	--	--	--
12/06/02		99.83	10.25	89.58	--	--	--	--	--	--	--	--	--
06/04/03		99.83	9.34	90.49	--	--	--	--	--	--	--	--	--
12/17/03		99.83	9.41	90.42	--	--	--	--	--	--	--	--	--
06/11/04	NP	99.83	9.22	90.61	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/15/04	**NP**	**99.83**	**9.82**	**90.01**	--	--	**<50**	**11**	**<0.5**	**<0.5**	**<1.5**	**<2.5**	--
MW-2													
12/01/00		100.28	9.60	90.68	--	--	--	--	--	--	--	--	--
12/12/00		100.28	10.31	89.97	ND[2]	ND[2]	12,700	38.0	51.4	719	2,530	ND[1]	0.00109
03/15/01		100.28	9.85	90.43	--	--	3,360	19.8	5.10	166	627	[1]ND/ND[3]	--
06/17/01		100.28	9.51	90.77	--	--	972	9.10	1.62	75.0	165	<5.00/<5.00[3]	--
09/20/01		100.28	10.21	90.07	--	--	977	8.31	2.12	127	152	4.36/<5.00[3]	--
12/03/01		100.28	9.53	90.75	--	--	660	3.96	1.37	60.8	160	<1.00/<5.00[3]	--
06/12/02	NP	100.28	9.28	91.00	--	--	59	<0.50	<0.50	<0.50	<1.5	<2.5	--
12/06/02	NP	100.28	10.78	89.50	--	--	<48	<0.50	<0.50	<0.50	1.8	<2.5	--
06/04/03	NP	100.28	9.83	90.45	--	--	<50	2.2	<0.5	<0.5	<1.5	<2.5	--
12/17/03	NP	100.28	9.90	90.38	--	--	<50	<0.5	1.1	0.6	<1.5	<2.5	--
06/11/04	NP	100.28	9.46	90.82	--	--	<50	<0.5	<0.5	2.1	<1.5	<2.5	--
09/15/04	**NP**	**100.28**	**10.16**	**90.12**	--	--	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**<2.5**	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9609
1206 4th Street
Marysville, Washington

WELL ID/ DATE		TOC* (ft.)	DTW (ft.)	GWE (ft.)	TPH-D (ppb)	TPH-O (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	D. Lead (ppm)
MW-3													
12/01/00		100.57	9.80	90.77	--	--	--	--	--	--	--	--	--
12/12/00		100.57	10.12	90.45	ND[2]	ND[2]	ND	ND	ND	ND	ND	ND	0.0165
03/15/01		100.57	9.67	90.90	--	--	ND	ND	ND	ND	ND	--	--
06/17/01		100.57	9.33	91.24	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
09/20/01		100.57	9.95	90.62	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
12/03/01		100.57	9.32	91.25	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00	--
06/12/02		100.57	9.09	91.48	--	--	--	--	--	--	--	--	--
12/06/02		100.57	10.40	90.17	--	--	--	--	--	--	--	--	--
06/04/03		100.57	9.46	91.11	--	--	--	--	--	--	--	--	--
12/17/03		100.57	9.54	91.03	--	--	--	--	--	--	--	--	--
06/11/04	NP	100.57	9.38	91.19	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/15/04	**NP**	**100.57**	**9.97**	**90.60**	--	--	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**<2.5**	--
TRIP BLANK													
03/15/01		--	--	--	--	--	ND	ND	ND	ND	ND	ND	--
06/17/01		--	--	--	--	--	97.6	<0.500	0.596	<0.500	1.85	<5.00	--
09/20/01		--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
12/03/01		--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00	--
QA													
06/12/02		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
12/06/02		--	--	--	--	--	<48	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/04/03[4]		--	--	--	--	--	--	--	--	--	--	--	--
12/17/03		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/11/04		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/15/04		--	--	--	--	--	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**<2.5**	--

	TPH-D	TPH-O	TPH-G	B	T	E	X	MTBE	D. Lead
Standard Laboratory Reporting Limits:	**250**	**250**	**50**	**0.5**	**0.5**	**0.5**	**1.5**	**2.5**	**0.00100**
MTCA Method A Cleanup Levels:	**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	--
Current Method:	**NWTPH-D + Extended**		**NWTPH-G and EPA 8021B**						**EPA 6020**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9609
1206 4th Street
Marysville, Washington

EXPLANATIONS:

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

TOC = Top of Casing
(ft.) = Feet
DTW = Depth to Water
GWE = Groundwater Elevation
TPH-D = Total Petroleum Hydrocarbons as Diesel
TPH-O = Total Petroleum Hydrocarbons as Oil
TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether
D. Lead = Dissolved Lead
(ppb) = Parts per billion

(ppm) = Parts per million
ND = Not Detected
-- = Not Measured/Not Analyzed
NP = No purge
QA = Quality Assurance/Trip Blank
MTCA = Model Toxics Control Act Cleanup Regulations
[WAC 173-340-720(2)(a)(I), as amended 02/01].

* 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.
2 TPH-D and TPH-O with silica gel cleanup.
3 MTBE by EPA Method 8260.
4 Laboratory indicates they did not receive the QA samples.

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, temperature, pH and electrical conductivity are measured. 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. The measurements are taken 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.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9609 Job Number: 386696
Site Address: 1206 4Th Street Event Date: 9-15-04 (inclusive)
City: Marysville, WA Sampler: Ben Newton

Well ID MW - 1 Date Monitored: 9-15-04 Well Condition: Flanges Stripped
Well Diameter (2) 4 in.
Total Depth 19.61 ft.
Depth to Water 9.82 ft.

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

____ xVF ____ = ____ x3 (case volume) = Estimated Purge Volume: ____ gal.

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: ____ 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): 1500 Weather Conditions: Rain
Sample Time/Date: 1515 / 9-15-04 Water Color: Clear Odor: no
Purging Flow Rate: ____ gpm. Sediment Description: ____
Did well de-water? no If yes, Time: ____ Volume: ____ gal.

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW - 1	6 x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE

COMMENTS: NF

Add/Replaced Lock: ____ Add/Replaced Plug: ____ Size: ____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9609 Job Number: 386696
Site Address: 1206 4Th Street Event Date: 9-15-04 (inclusive)
City: Marysville, WA Sampler: Ben Newton

Well ID MW-2 Date Monitored: 9-15-04 Well Condition: ok
Well Diameter (2) 4 in.
Total Depth 19.16 ft.
Depth to Water 10.16 ft.

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

____ xVF ____ = ____ x3 (case volume) = Estimated Purge Volume: ____ gal.

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: ____ 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): 1530 Weather Conditions: Rain
Sample Time/Date: 1545 9-15-04 Water Color: clear Odor: no
Purging Flow Rate: ____ gpm. Sediment Description: ____
Did well de-water? no If yes, Time: ____ Volume: ____ gal.

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	6 x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE

COMMENTS: NF

Add/Replaced Lock: ____ Add/Replaced Plug: ____ Size: ____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9609 Job Number: 386696
Site Address: 1206 4Th Street Event Date: 9-15-04 (inclusive)
City: Marysville, WA Sampler: Ben Newton

Well ID MW - 3 Date Monitored: 9-15-04 Well Condition: OK
Well Diameter (2) 4 in.
Total Depth 19.76 ft.
Depth to Water 9.97 ft.

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

_____ xVF _____ = _____ x3 (case volume) = Estimated Purge Volume: _____ gal.

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: _____ 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): 1600 Weather Conditions: Rain
Sample Time/Date: 1615 9-15-04 Water Color: clear Odor: no
Purging Flow Rate: _____ gpm. Sediment Description: _____
Did well de-water? no If yes, Time: _____ Volume: _____ gal.

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW - 3	6 x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE

COMMENTS: _____

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

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 10906 Sample #: 435526-29 SCR#:

Group# 912826

Secor MTI Project #: 99609.01

Facility #: SS#9-9609 G-R#386696
Site Address: 1206 4th Street, MARYSVILLE, WA
Chevron PM: MTI Lead Consultant: SECOR,LI
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: Ben Newton
Service Order #: ☐ Non SAR:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water	Oil	Air	Total Number of Containers	Analyses Requested: BTEX + MTBE 8021	8260 full scan	Oxygenates	TPH G	TPH D	Extended Rng.	Silica Gel Cleanup	Lead Total	Diss.	Method	VPH/EPH	NWTPH HCID	quantification
QA	9-15-04	—	X			X			2	X			X									
MW-1	↓	1515	X			X			6	X			X									
MW-2		1545	X			X			6	X			X									
MW-3		1615	X			X			6	X			X									

Preservation Codes: H

Preservative Codes: H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; O = Other

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

8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☒ Confirm all hits by 8260
☐ Run ____ oxy s on highest hit
☐ Run ____ oxy s on all hits

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) | Disk / EDD | EDF/EDD
WIP (RWQCB) | Standard Format
Disk | ____ Other.

Relinquished by:	Date	Time	Received by:	Date	Time
Ben Newton	9-20-04	1400			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	Date	Time
Temperature Upon Receipt 4.5-4.6°			Custody Seals Intact? Yes No	9-21-04	0925

Lancaster Laboratories

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

Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco c/o SECOR
2301 Leghorn Street
Mountainview CA 94043

650-691-0131

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 912826. Samples arrived at the laboratory on Tuesday, September 21, 2004. The PO# for this group is 99011184 and the release number is MTI.

Client Description	Lancaster Labs Number
QA Water Sample	4356526
MW-1 Grab Water Sample	4356527
MW-2 Grab Water Sample	4356528
MW-3 Grab Water Sample	4356529

1 COPY TO	Secor Inter. C/O Gettler-Ryan	Attn: Deanna L. Harding
ELECTRONIC COPY TO	Gettler-Ryan	Attn: Michael Sharaeff
ELECTRONIC COPY TO	SECOR International	Attn: Madeline Montilla

Lancaster Laboratories

Analysis Report

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

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

Respectfully Submitted,

Victoria M. Martell
Chemist

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. WW 4356526

QA Water Sample
Facility# 99609 Job# 386696 MTI# 99609.01
1206 4th Street-Marysville, WA
Collected:09/15/2004

Submitted: 09/21/2004 09:25
Reported: 09/28/2004 at 16:04
Discard: 10/29/2004

Account Number: 10906

ChevronTexaco c/o SECOR
2301 Leghorn Street
Mountainview CA 94043

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	50.	ug/l	1

State of Washington Lab Certification No. C259

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	09/22/2004 05:50	Linda C Pape	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	09/22/2004 05:50	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/22/2004 05:50	Linda C Pape	n.a.

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. WW 4356527

MW-1 Grab Water Sample
Facility# 99609 Job# 386696 MTI# 99609.01
1206 4th Street-Marysville, WA
Collected:09/15/2004 15:15 by BN

Account Number: 10906

Submitted: 09/21/2004 09:25
Reported: 09/28/2004 at 16:04
Discard: 10/29/2004

ChevronTexaco c/o SECOR
2301 Leghorn Street
Mountainview CA 94043

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02159	BTEX, MTBE					
02161	Benzene	71-43-2	11.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	50.	ug/l	1

State of Washington Lab Certification No. C259

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	09/22/2004 10:35	Linda C Pape	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	09/22/2004 10:35	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/22/2004 10:35	Linda C Pape	n.a.

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. WW 4356528

MW-2 Grab Water Sample
Facility# 99609 Job# 386696 MTI# 99609.01
1206 4th Street-Marysville, WA
Collected:09/15/2004 15:45 by BN

Account Number: 10906

Submitted: 09/21/2004 09:25
Reported: 09/28/2004 at 16:04
Discard: 10/29/2004

ChevronTexaco c/o SECOR
2301 Leghorn Street
Mountainview CA 94043

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	50.	ug/l	1

State of Washington Lab Certification No. C259

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	09/22/2004 13:00	Linda C Pape	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	09/22/2004 13:00	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/22/2004 13:00	Linda C Pape	n.a.

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. WW 4356529

MW-3 Grab Water Sample
Facility# 99609 Job# 386696 MTI# 99609.01
1206 4th Street-Marysville, WA
Collected:09/15/2004 16:15 by BN

Account Number: 10906

Submitted: 09/21/2004 09:25
Reported: 09/28/2004 at 16:05
Discard: 10/29/2004

ChevronTexaco c/o SECOR
2301 Leghorn Street
Mountainview CA 94043

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	50.	ug/l	1

State of Washington Lab Certification No. C259

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	09/22/2004 13:36	Linda C Pape	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	09/22/2004 13:36	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/22/2004 13:36	Linda C Pape	n.a.

Lancaster Laboratories

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

Analysis Report

Quality Control Summary

Client Name: ChevronTexaco c/o SECOR
Reported: 09/28/04 at 04:05 PM

Group Number: 912826

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: 04265A53B	Sample number(s): 4356526-4356529							
TPH by NWTPH-Gx waters	N.D.	0.048	mg/l	90	89	70-130	2	30
Benzene	N.D.	0.5	ug/l	113	101	79-123	12	30
Toluene	N.D.	0.5	ug/l	97	98	82-119	1	30
Ethylbenzene	N.D.	0.5	ug/l	100	101	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	98	100	82-120	3	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	102	94	75-125	8	30

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: 04265A53B	Sample number(s): 4356526-4356529								
TPH by NWTPH-Gx waters	86		63-154						
Benzene	106		78-131						
Toluene	107		78-129						
Ethylbenzene	105		75-133						
Total Xylenes	102		86-132						
Methyl tert-Butyl Ether	100		70-134						

Surrogate Quality Control

Analysis Name: TPH by NWTPH-Gx waters
Batch number: 04265A53B

	Trifluorotoluene-P	Trifluorotoluene-F
4356526	93	99
4356527	98	94
4356528	96	90
4356529	95	94
Blank	97	99
LCS	100	97
LCSD	98	104
MS	93	97
Limits:	72-128	57-146

*- 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 c/o SECOR
Reported: 09/28/04 at 04:05 PM

Group Number: 912826

*- 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.

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

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 limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result is ≥ 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 ≥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.