



GETTLER-RYAN INC.

October 19, 2005
Job #386794

Mr. Dana Thurman
ChevronTexaco Company
P.O. Box 6012, Room K2236
San Ramon, CA 94583

RE: Event of September 16, 2005
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-8795
16010 Redmond Way
Redmond, Washington

Dear Mr. Thurman:

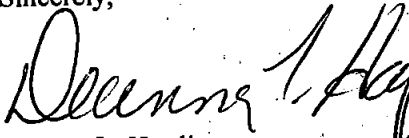
This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

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. Purge water was treated by filtration through granular activated carbon and was subsequently discharged. 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,

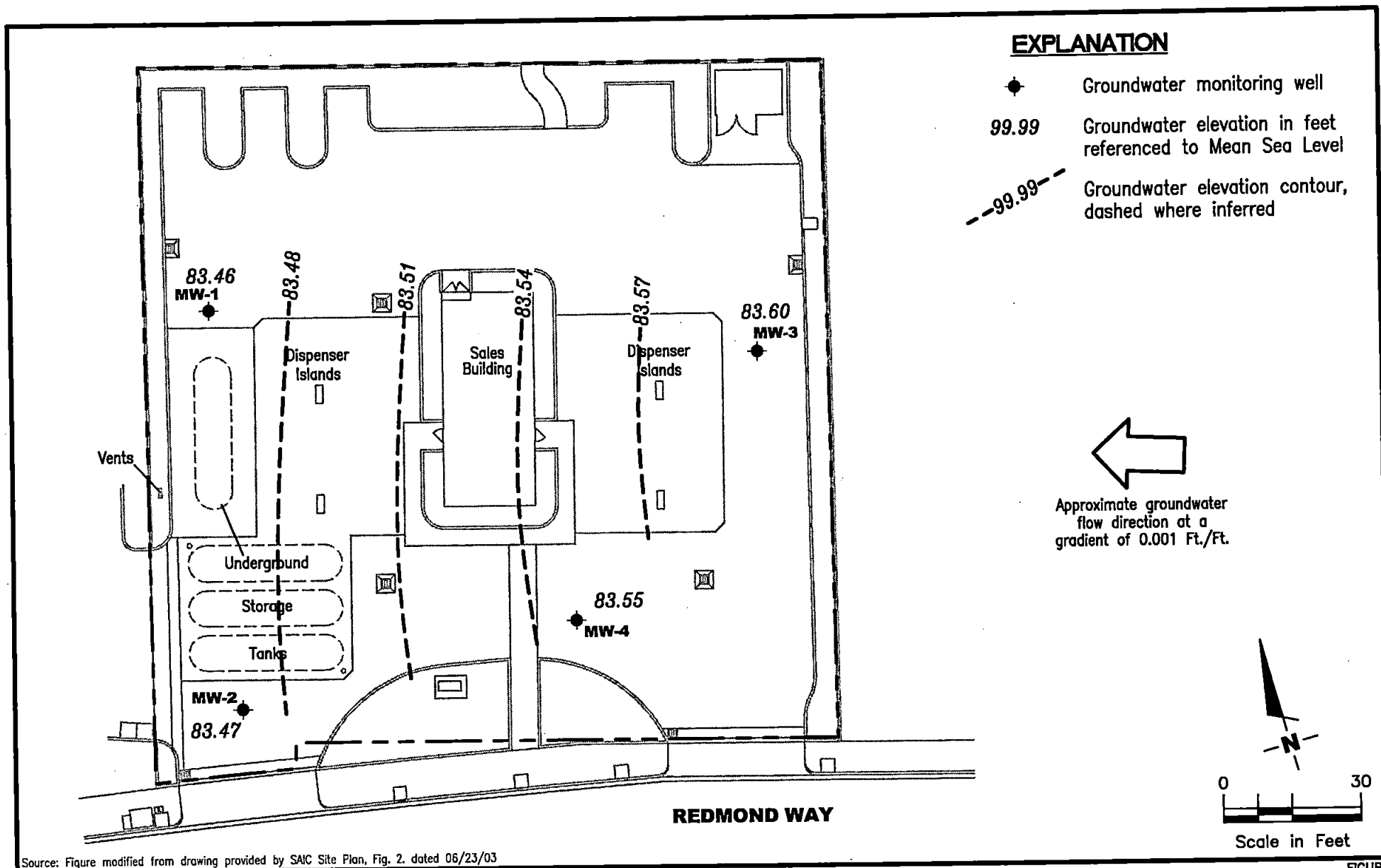

Deanna L. Harding
Project Coordinator




Robert A. Lauritzen
Senior Geologist, L.G. No. 829

Robert A. Lauritzen

Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Field Measurements
Table 3: Groundwater Analytical Results - PAH
Table 4: Groundwater Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Report



GETTLER - RYAN INC.

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POTENTIOMETRIC MAP
Chevron Service Station #9-8795
16010 Redmond Way
Redmond, Washington

FIGURE

1

PROJECT NUMBER
386794

REVIEWED BY

DATE
September 16, 2005

REVISED DATE

FILE NAME: P:\Enviro\Chevron\9-8795\Q05-9-8795.dwg | Layout Tab: Pot3-SEP

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-8795
16010 Redmond Way
Redmond, 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)	T. LEAD (ppb)
MW-1												
08/13/03 ¹	99.39	16.67	82.72	<76 ²	<95 ²	<50	1.3	<0.5	<0.5	<1.5	<2.5	--
12/19/03	99.39	12.69	86.70	--	--	--	4.1	<0.5	<0.5	<1.5	--	--
03/27/04	99.39	14.19	85.20	<250 ²	440 ²	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/14/04	99.39	15.61	83.78	<800 ²	<1,000 ²	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/04/04	99.39	14.86	84.53	<250 ²	<250 ²	<50	5.2	<0.5	<0.5	<1.5	<2.5	--
11/23/04	99.39	14.88	84.51	<250 ²	<250 ²	<50	4.1	<0.5	<0.5	<1.5	<2.5	--
03/05/05	99.39	14.86	84.53	<79 ²	<98 ²	<48	<2.0	<0.5	<0.5	<1.5	<2.5	--
07/13/05 ³	99.39	14.84	84.55	<82 ²	<100 ²	<48	<0.5	<0.5	<0.5	<0.5	<0.5	13.5
09/16/05 ³	99.39	15.93	83.46	<80 ²	<100 ²	<48	<0.5	<0.5	<0.5	<0.5	<0.5	20.8
MW-2												
08/13/03 ¹	98.60	15.88	82.72	<160 ²	<200 ²	<50	0.8	<0.5	<0.5	<1.5	<2.5	--
12/19/03	98.60	11.89	86.71	--	--	--	18	2.6	<0.5	7.8	--	--
03/27/04	98.60	13.37	85.23	<250 ²	<250 ²	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/14/04	98.60	14.82	83.78	<250 ²	<250 ²	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/04/04	98.60	15.68	82.92	<250 ²	<250 ²	<50	15	<0.5	<0.5	<1.5	<2.5	--
11/23/04	98.60	14.07	84.53	<250 ²	<250 ²	<50	31	1.5	<0.5	<1.5	<2.5	--
03/05/05	98.60	14.04	84.56	<79 ²	<99 ²	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--
07/13/05 ³	98.60	14.04	84.56	<80 ²	<100 ²	<48	<0.5	<0.5	<0.5	<0.5	<0.5	6.5
09/16/05 ³	98.60	15.13	83.47	<80 ²	<100 ²	<48	40	<0.5	<0.5	<0.5	<0.5	41.2
MW-3												
08/13/03 ¹	99.99	17.15	82.84	<76 ²	<95 ²	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/19/03	99.99	13.06	86.93	--	--	--	--	--	--	--	--	--
03/27/04	99.99	14.56	85.43	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/14/04	99.99	16.08	83.91	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/04/04	99.99	16.15	83.84	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/23/04	99.99	15.32	84.67	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/05/05	99.99	15.22	84.77	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--
07/13/05 ³	99.99	15.23	84.76	<80 ²	<100 ²	<48	<0.5	<0.5	<0.5	<0.5	<0.5	-- ⁴
09/16/05 ³	99.99	16.39	83.60	<80 ²	<100 ²	<48	<0.5	<0.5	<0.5	<0.5	<0.5	46.4

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-8795
16010 Redmond Way
Redmond, 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)	T. LEAD (ppb)
MW-4												
08/13/03 ¹	99.68	16.88	82.80	<76 ²	<95 ²	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/19/03	99.68	12.79	86.89	--	--	--	--	--	--	--	--	--
03/27/04	99.68	14.31	85.37	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/14/04	99.68	15.78	83.90	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/04/04	99.68	15.86	83.82	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/23/04	99.68	15.02	84.66	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/05/05	99.68	14.98	84.70	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--
07/13/05 ³	99.68	15.00	84.68	<80 ²	<100 ²	<48	<0.5	<0.5	<0.5	<0.5	<0.5	14.2
09/16/05 ³	99.68	16.13	83.55	<400 ²	<500 ²	<48	<0.5	<0.5	<0.5	<0.5	<0.5	23.1

TRIP BLANK

QA

12/19/03	--	--	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
03/27/04	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/14/04	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/04/04	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/23/04	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/05/05	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--
07/13/05 ³	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/16/05 ³	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<0.5	<0.5	--

	TPH-D	TPH-O	TPH-G	B	T	E	X	MTBE	T. LEAD
Standard Laboratory Reporting Limits:	250	250	50	0.5	0.5	0.5	1.5	2.5	1.0
MTCA Method A Cleanup Levels:	500	500	800/1,000	5	1,000	700	1,000	20	15
Current Method:	NWTPH-D + Extended		NWTPH-G and EPA 8021B						EPA 7421

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-8795
16010 Redmond Way
Redmond, Washington

EXPLANATIONS:

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

T. LEAD = Total Lead

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

QA = Quality Assurance/Trip Blank

MTCA = Model Toxics Control Act Cleanup Regulations

[WAC 173-340-720(2)(a)(I), as amended 02/01].

* TOC elevation are expressed in feet relative to an arbitrary datum.

¹ Data provided by SAIC.

² TPH-D and TPH-O with silica gel cleanup.

³ BTEX and MTBE by EPA Method 8260B.

⁴ Laboratory report indicates due to a laboratory error, the lead analysis was not performed on this sample.

Table 2
Field Measurements
Chevron Service Station #9-8795
16010 Redmond Way
Redmond, Washington

WELL ID	DATE	DO (mg/L)	ORP (mV)
MW-1	07/13/05	2.9	58
	09/16/05	2.6	57
MW-2	07/13/05	3.6	72
	09/16/05	3.3	79
MW-3	07/13/05	3.8	78
	09/16/05	3.7	86
MW-4	07/13/05	4.0	98
	09/16/05	3.8	102

EXPLANATIONS:

DO = Dissolved Oxygen

(mg/L) = Milligrams per liter

ORP = Oxidation Reduction Potential

(mV) = Millivolts

Table 3
Groundwater Analytical Results - PAH
Chevron Service Station #9-8795
16010 Redmond Way
Redmond, Washington

WELL ID/ DATE	Naphthalene (ppb)	Acenaphthylene (ppb)	Acenaphthene (ppb)	Fluorene (ppb)	Phenanthrene (ppb)	Anthracene (ppb)	Fluoranthene (ppb)	Pyrene (ppb)	Benzo (a) anthracene (ppb)	Chrysene (ppb)	Benzo (b) fluoranthene (ppb)	Benzo (k) fluoranthene (ppb)	Benzo (a) pyrene (ppb)	Indeno (1,2,3-cd) pyrene (ppb)	Dibenz (a,h) anthracene (ppb)	Benzo (g,h,i) perylene (ppb)
MW-1																
07/13/05	<0.01	<0.02	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02
MW-2																
07/13/05	<0.01	<0.02	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02
MW-3																
07/13/05	<0.01	<0.02	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02
MW-4																
07/13/05	<0.01	<0.02	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02

EXPLANATIONS:

PAH = Polynuclear Aromatic Compounds
(ppb) = Parts per billion

ANALYTICAL METHOD:

Selected PAH by 8270 SIM

Table 4
Groundwater Analytical Results
Chevron Service Station #9-8795
16010 Redmond Way
Redmond, Washington

WELL ID	DATE	METHANOL (ppb)	ETHANOL (ppb)	ETBE (ppb)	TAME (ppb)	TBA (ppb)	1,2-DCA (ppb)	EDB (ppb)	BOD (ppb)	COD (ppb)
MW-1	07/13/05	<200	<50	<0.5	<0.5	<5	<0.5	<0.5	<2,000	77,100
MW-2	07/13/05	<200	<50	<0.5	<0.5	<5	<0.5	<0.5	<1,500	72,100
MW-3	07/13/05	<200	<50	<0.5	<0.5	<5	<0.5	<0.5	--	--
MW-4	07/13/05	<200	<50	<0.5	<0.5	<5	<0.5	<0.5	--	--

EXPLANATIONS:

ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
TBA = Tertiary butyl alcohol
1,2-DCA = 1,2 Dichloroethane
EDB = 1,2-Dibromoethane
BOD = Biochemical Oxygen Demand
COD = Chemical Oxygen Demand
(ppb) = Parts per billion
-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method SW-846 8015B Modified for Methanol and Ethanol
EPA Method 8260 for Oxygenate Compounds
EPA Method 405.1 for BOD
EPA Method 410.4 for COD

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 #9-8795

Job Number: 386794

Site Address: 16010 Redmond Way

Event Date: 9-16-05 (inclusive)

City: Redmond, WA

Sampler: BWN

Well ID

MW-1

Date Monitored: 9-16-05

Well Condition: OK

Well Diameter

2 in.

Total Depth

19.96 ft.

Depth to Water

15.93 ft.

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

xVF .17 = .68 x3 (case volume) = Estimated Purge Volume: 2 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 / Absorbent Sock (circle one)
Amt Removed from Skimmer: _____ gal
Amt Removed from Well: _____ gal
Water Removed: _____
Product Transferred to: _____

Start Time (purge): 1015

Weather Conditions: Sunny

Sample Time/Date: 1030 9-16-05

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 (μ mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1018</u>	<u>1</u>	<u>6.70</u>	<u>398</u>	<u>14.0</u>	<u>2.6</u>	<u>57</u>
<u>1022</u>	<u>2</u>	<u>6.68</u>	<u>395</u>	<u>13.9</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3</u> x vva vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE(8015/8260)
<u>MW-1</u>	<u>2</u> x amber	YES	HCL	LANCASTER	NWTPH-Dx
<u>MW-1</u>	<u>1</u> x poly	YES	HN03	LANCASTER	TOTAL LEAD

COMMENTS: _____

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-8795
Site Address: 16010 Redmond Way
City: Redmond, WA

Job Number: 386794
Event Date: 9-16-05 (inclusive)
Sampler: BWN

Well ID: MW - 2
Well Diameter: 2 in.
Total Depth: 19.97 ft.
Depth to Water: 15.13 ft.
4.84 xVF .17 = .82 x3 (case volume) = Estimated Purge Volume: 2.5 gal.

Date Monitored: 9-16-05

Well Condition: OK

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

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer ☒
Pressure Bailer ☐
Discrete Bailer ☐
Other: ☐

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

Start Time (purge): 945 Weather Conditions: Sunny
Sample Time/Date: 1000 9-16-05 Water Color: Clear Odor: Slight
Purging Flow Rate: _____ gpm. Sediment Description: _____
Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>948</u>	<u>1</u>	<u>6.80</u>	<u>414</u>	<u>13.9</u>	<u>3.3</u>	<u>79</u>
<u>952</u>	<u>2.5</u>	<u>6.73</u>	<u>408</u>	<u>13.8</u>		

LABORATORY INFORMATION

LABORATORY INFORMATION					ANALYSES
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	
<u>MW - 2</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE(8015/8260)
<u>MW - 2</u>	<u>2</u> x amber	YES	HCL	LANCASTER	NWTPH-Dx
<u>MW - 2</u>	<u>1</u> x poly	YES	HN03	LANCASTER	TOTAL LEAD

COMMENTS: _____

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-8795Job Number: 386794Site Address: 16010 Redmond WayEvent Date: 9-16-05

(inclusive)

City: Redmond, WASampler: BWNWell ID: MW-3Date Monitored: 9-16-05Well Condition: OKWell Diameter: 2 in.Total Depth: 20.12 ft.Depth to Water: 16.39 ft.

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

3.73 xVF .17 = .63 x3 (case volume) = Estimated Purge Volume: 2 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 / Absorbent Sock (circle one)
Amt Removed from Skimmer: _____ gal
Amt Removed from Well: _____ gal
Water Removed: _____
Product Transferred to: _____

Start Time (purge): 845 Weather Conditions: sunny
Sample Time/Date: 900 19-16-05 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)
<u>848</u>	<u>1</u>	<u>7.14</u>	<u>394</u>	<u>14.2</u>	<u>3.7</u>	<u>86</u>
<u>852</u>	<u>2</u>	<u>7.12</u>	<u>393</u>	<u>14.1</u>		

LABORATORY INFORMATION

LABORATORY INFORMATION					ANALYSES
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	
<u>MW-3</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE(8015/8260)
<u>MW-3</u>	<u>2</u> x amber	YES	HCL	LANCASTER	NWTPH-Dx
<u>MW-3</u>	<u>1</u> x poly	YES	HN03	LANCASTER	TOTAL LEAD

COMMENTS: _____

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-8795

Job Number: 386794

Site Address: 16010 Redmond Way

Event Date: 9-16-05

(inclusive)

City: Redmond, WA

Sampler: BWN

Well ID: MW - 4

Date Monitored: 9-16-05

Well Condition: OK

Well Diameter: 2 in.

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

Total Depth: 20.06 ft.

Depth to Water: 16.13 ft.

3.93 x VF 1.7 = .67 x3 (case volume) = Estimated Purge Volume: 2 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 / Absorbent / Sock (circle one)
Amt Removed from Skimmer: _____ gal
Amt Removed from Well: _____ gal
Water Removed: _____ gal
Product Transferred to: _____

Start Time (purge): 915

Weather Conditions: Sunny

Sample Time/Date: 930 19-16-05

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)
<u>918</u>	<u>1</u>	<u>6.59</u>	<u>430</u>	<u>13.9</u>	<u>3.8</u>	<u>102</u>
<u>922</u>	<u>2</u>	<u>6.56</u>	<u>412</u>	<u>13.8</u>		

LABORATORY INFORMATION

LABORATORY INFORMATION					ANALYSES
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	
<u>MW - 4</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE(8015/8260)
<u>MW - 4</u>	<u>2</u> x amber	YES	HCL	LANCASTER	NWTPH-Dx
<u>MW - 4</u>	<u>1</u> x poly	YES	HN03	LANCASTER	TOTAL LEAD

COMMENTS: _____

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____

Chevron Northwest Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only
 Acct. # 10904 Sample #: 4608135-39

SCR#:

Group# 9100257

MTI Project #: 61H-2094

Facility #: SS#9-8795 G-R#386794
 Site Address: 16010 Redmond Way, REDMOND, WA
 Chevron PM: MTI Lead Consultant: CAMBRIABE
 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		Total Number of Containers	Analyses Requested									
							Soil	Water	Oil	NPDES	8260 full scan	8260 full scan	TPH	TPH D	TPH D	TPH D	TPH D	TPH D	TPH D
QA			9/16/05		X		X	X	X	X	X	X	X	X	X	X	X	X	X
MW-1				1030	X		X	X	X	X	X	X	X	X	X	X	X	X	X
MW-2				1000	X		X	X	X	X	X	X	X	X	X	X	X	X	X
MW-3				900	X		X	X	X	X	X	X	X	X	X	X	X	X	X
MW-4				930	X		X	X	X	X	X	X	X	X	X	X	X	X	X

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

☒ 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
WIP (RWQCB) Standard Format
 Disk _____ Other: _____

EDF/EDD

Relinquished by: Ben Newton

Date 9-21-05 Time 1400

Received by:

Date Time

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 Sealed 3.4°-4.7°

Custody Seals Intact?

Yes No

LF 9/23/05

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3468 Rev. 8/6/01



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Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco c/o Cambria
Suite 12
4111 Citrus Avenue
Rocklin CA 95677
916-630-1855

Prepared by:

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

RECEIVED

GETTLER-RYAN INC.
GENERAL CONTRACTORS

SAMPLE GROUP

The sample group for this submittal is 960257. Samples arrived at the laboratory on Thursday, September 22, 2005. The PO# for this group is 99011184 and the release number is MTI.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
QA Water Sample	4608135
MW-1 Grab Water Sample	4608136
MW-2 Grab Water Sample	4608137
MW-3 Grab Water Sample	4608138
MW-4 Grab Water Sample	4608139

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO
ELECTRONIC
COPY TO

Cambria C/O Gettler- Ryan
Gettler-Ryan

Attn: Deanna L. Harding
Attn: Michael Sharaeff



Analysis Report

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Questions? Contact your Client Services Representative
Lynn M Frederiksen at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads "Susan M. Goshert".

Susan M. Goshert
Group Leader



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4608135

QA Water Sample
Facility# 98795 Job# 386794 MTI# 61H-2094
16010 Redmond Way - Redmond, WA
Collected: 09/16/2005

Account Number: 10904

ChevronTexaco c/o Cambria
Suite 12
4111 Citrus Avenue.
Rocklin CA 95677

Submitted: 09/22/2005 09:05
Reported: 10/04/2005 at 21:34
Discard: 11/04/2005

QARED SDG#: CVR96-01TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08273	TPH by NWTPH-Gx waters					
01645	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of Washington Lab Certification No. C259

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08273	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	09/26/2005 11:04	Martha L Seidel	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	09/28/2005 02:51	Dawn M Harle	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/26/2005 11:04	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/28/2005 02:51	Dawn M Harle	n.a.



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4608136

MW-1 Grab Water Sample
Facility# 98795 Job# 386794 MTI# 61H-2094
16010 Redmond Way - Redmond, WA
Collected: 09/16/2005 10:30 by BN

Account Number: 10904

ChevronTexaco c/o Cambria
Suite 12
4111 Citrus Avenue
Rocklin CA 95677

Submitted: 09/22/2005 09:05
Reported: 10/04/2005 at 21:34
Discard: 11/04/2005

M1RED SDG#: CVR96-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	20.8	0.87	ug/l	1
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	80.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	100.	ug/l	1
08273	TPH by NWTPH-Gx waters					
01645	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of Washington Lab Certification No. C259

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	09/30/2005 14:47	Jessica L Boyd	1
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	09/27/2005 19:36	Matthew E Barton	1
08273	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	09/26/2005 12:09	Martha L Seidel	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	09/28/2005 03:14	Dawn M Harle	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/26/2005 12:09	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/28/2005 03:14	Dawn M Harle	n.a.
02135	Extraction - DRO Water Special	NWTPH-Dx, ECY 97-602, 6/97	1	09/23/2005 12:00	Olivia Arosemena	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	09/25/2005 17:25	Mirit S Shenouda	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4608137

MW-2 Grab Water Sample
Facility# 98795 Job# 386794 MTI# 61H-2094
16010 Redmond Way - Redmond, WA
Collected: 09/16/2005 10:00 by BN

Account Number: 10904

Submitted: 09/22/2005 09:05
Reported: 10/04/2005 at 21:34
Discard: 11/04/2005

ChevronTexaco c/o Cambria
Suite 12
4111 Citrus Avenue
Rocklin CA 95677

M2RED SDG#: CVR96-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	41.2	0.87	ug/l	1
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	80.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	100.	ug/l	1
08273	TPH by NWTPH-Gx waters					
01645	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	40.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of Washington Lab Certification No. C259

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	09/30/2005 14:51	Jessica L Boyd	1
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	09/27/2005 20:25	Matthew E Barton	1
08273	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	09/26/2005 12:42	Martha L Seidel	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	09/28/2005 03:37	Dawn M Harle	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/26/2005 12:42	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/28/2005 03:37	Dawn M Harle	n.a.
02135	Extraction - DRO Water Special	NWTPH-Dx, ECY 97-602, 6/97	1	09/23/2005 12:00	Olivia Arosemena	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	09/25/2005 17:25	Mirit S Shenouda	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4608138

MW-3 Grab Water Sample
Facility# 98795 Job# 386794 MTI# 61H-2094
16010 Redmond Way - Redmond, WA
Collected: 09/16/2005 09:00 by BN

Account Number: 10904

ChevronTexaco c/o Cambria
Suite 12
4111 Citrus Avenue
Rocklin CA 95677

Submitted: 09/22/2005 09:05
Reported: 10/04/2005 at 21:34
Discard: 11/04/2005

M3RED SDG#: CVR96-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	46.4	0.87	ug/l	1
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	80.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	100.	ug/l	1
08273	TPH by NWTPH-Gx waters					
01645	TPH by NWTPH-Gx waters This sample was submitted with headspace.	n.a.	N.D.	48.	ug/l	1
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of Washington Lab Certification No. C259

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	09/30/2005 14:54	Jessica L Boyd	1
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	09/27/2005 20:50	Matthew E Barton	1
08273	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	09/26/2005 13:15	Martha L Seidel	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	09/28/2005 04:01	Dawn M Harle	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/26/2005 13:15	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/28/2005 04:01	Dawn M Harle	n.a.
02135	Extraction - DRO Water Special	NWTPH-Dx, ECY 97-602, 6/97	1	09/23/2005 12:00	Olivia Arosemena	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	09/25/2005 17:25	Mirit S Shenouda	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4608139

MW-4 Grab Water Sample
Facility# 98795 Job# 386794 MTI# 61H-2094
16010 Redmond Way - Redmond, WA
Collected: 09/16/2005 09:30 by BN

Account Number: 10904

Submitted: 09/22/2005 09:05
Reported: 10/04/2005 at 21:34
Discard: 11/04/2005

ChevronTexaco c/o Cambria
Suite 12
4111 Citrus Avenue
Rocklin CA 95677

M4RED SDG#: CVR96-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	23.1	0.87	ug/l	1
02211	TPH by NWTTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	400.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	500.	ug/l	1
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.					
08273	TPH by NWTTPH-Gx waters					
01645	TPH by NWTTPH-Gx waters	n.a.	N.D.	48.	ug/l	1
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of Washington Lab Certification No. C259

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	09/30/2005 14:58	Jessica L Boyd	1
02211	TPH by NWTTPH-Dx(water) w/SiGel	NWTTPH-Dx, ECY 97-602(modified)	1	09/28/2005 14:20	Matthew E Barton	1
08273	TPH by NWTTPH-Gx waters	NWTTPH-Gx - 8015B Mod.	1	09/26/2005 13:48	Martha L Seidel	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	09/28/2005 04:25	Dawn M Harle	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/26/2005 13:48	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/28/2005 04:25	Dawn M Harle	n.a.
02135	Extraction - DRO Water Special	NWTTPH-Dx, ECY 97-602, 6/97	1	09/23/2005 14:40	Jason A Heisey	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	09/25/2005 17:25	Mirit S Shenouda	1

Quality Control Summary

Client Name: ChevronTexaco c/o Cambria
Reported: 10/04/05 at 09:34 PM

Group Number: 960257

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: 052660003A	Sample number(s): 4608136-4608138							
Diesel Range Organics	N.D.	0.080	mg/l	76		51-113		
Heavy Range Organics	N.D.	0.10	mg/l					
Batch number: 052660010A	Sample number(s): 4608139							
Diesel Range Organics	N.D.	0.080	mg/l	83		51-113		
Heavy Range Organics	N.D.	0.10	mg/l					
Batch number: 052685704001	Sample number(s): 4608136-4608139							
Lead (furnace method)	N.D.	0.00087	mg/l	96		80-120		
Batch number: 05269A56A	Sample number(s): 4608135-4608139							
TPH by NWTPH-Gx waters	N.D.	48.	ug/l	84	85	70-130	1	30
Batch number: Z052704AA	Sample number(s): 4608135-4608139							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	90		77-127		
Benzene	N.D.	0.5	ug/l	92		85-117		
Toluene	N.D.	0.5	ug/l	97		85-115		
Ethylbenzene	N.D.	0.5	ug/l	96		82-119		
Xylene (Total)	N.D.	0.5	ug/l	97		83-113		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 052660003A	Sample number(s): 4608136-4608138								
Diesel Range Organics						N.D.	N.D.	0 (1)	20
Heavy Range Organics						N.D.	N.D.	0 (1)	20
Batch number: 052660010A	Sample number(s): 4608139								
Diesel Range Organics						N.D.	N.D.	0 (1)	20
Heavy Range Organics						N.D.	N.D.	0 (1)	20
Batch number: 052685704001	Sample number(s): 4608136-4608139								
Lead (furnace method)	83	84	80-120	1	20	N.D.	N.D.	31* (1)	20
Batch number: 05269A56A	Sample number(s): 4608135-4608139								
TPH by NWTPH-Gx waters	83		63-154						
Batch number: Z052704AA	Sample number(s): 4608135-4608139								
Methyl Tertiary Butyl Ether	96	94	69-134	2	30				

*- 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 Cambria
Reported: 10/04/05 at 09:34 PM

Group Number: 960257

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
Benzene	101	99	83-128	2	30				
Toluene	106	103	83-127	3	30				
Ethylbenzene	105	102	82-129	3	30				
Xylene (Total)	105	103	82-130	2	30				

Surrogate Quality Control

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel
Batch number: 052660003A
Orthoterphenyl

4608136 110
4608137 97
4608138 111
Blank 109
DUP 100
LCS 111

Limits: 52-141

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel
Batch number: 052660010A
Orthoterphenyl

4608139 107
Blank 105
DUP 99
LCS 109

Limits: 52-141

Analysis Name: TPH by NWTPH-Gx waters
Batch number: 05269A56A
Trifluorotoluene-F

4608135 87
4608136 85
4608137 89
4608138 88
4608139 89
Blank 88
LCS 87
LCSD 87
MS 93

Limits: 63-135

Analysis Name: BTEX+MTBE by 8260B
Batch number: Z052704AA
Dibromofluoromethane

	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4608135	99	91	99

*- 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 Cambria
Reported: 10/04/05 at 09:34 PM

Group Number: 960257

Surrogate Quality Control

4608136	99	92	90	90
4608137	97	91	93	90
4608138	99	93	90	89
4608139	100	93	91	89
Blank	99	92	98	90
LCS	96	87	99	95
MS	96	90	100	95
MSD	96	89	98	94
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

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

Explanation of Symbols and Abbreviations

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

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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

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