RELEASE # 541953
RAPLEE PROPERTY
STANDARD OIL #30-5192
CHEVRON 30-5192
STANWOOD

GETTLER-RYAN INC.

TRANSMITTAL

November 20, 2006
G-R #387100
UST # 619125
UCP # 1644

TO: Mr. Peter Catterall
SAIC
18912 North Creek Parkway, Suite 101
Bothell, Washington 98011

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

RE: Former Chevron Service Station
#305192
9816 271st Street Northwest
Stanwood, Washington

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	November 20, 2006	Groundwater Monitoring and Sampling Report **Event of April 10, 2006** **Event of May 3, 2006** **Event of August 2, 2006** **Event of October 10, 2006**

RECEIVED
DEC 8 2006
DEPT OF ECOLOGY

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 ***December 4, 2006***, at which time the final report will be distributed to the following:

cc: Mr. Brett Hunter, Chevron Environmental Management Company, P.O. Box 6012, Room K2252, San Ramon, CA 94583
WDOE, Northwest Region, Toxics Cleanup Program, 3190 160th Avenue, SE, Bellevue, WA 98008-5452
MARK ADAMS

☐ Current Site Check List included.

Enclosure

trans/305192-BH

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.

November 20, 2006
Job #387100

Mr. Brett Hunter
Chevron Environmental Management Company
P.O. Box 6012, Room K2252
San Ramon, CA 94583

RE: **Event of April 10, 2006**
Event of May 3, 2006
Event of August 2, 2006
Event of October 10, 2006
Groundwater Monitoring & Sampling Report
Former Chevron Service Station #305192
9816 271st Street Northwest
Stanwood, Washington

Dear Mr. Hunter:

This report documents the groundwater monitoring and sampling events 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 any wells. Static water level data and groundwater elevations are presented in Table 1. Separate Phase Hydrocarbon Thickness/Removal Data is presented in Table 2. Potentiometric Maps are included as Figures 1, 2 and 3.

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 filtering the water 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

State of Washington
Hydrogeologist
829
Licensed Geologist
Robert A. Lauritzen

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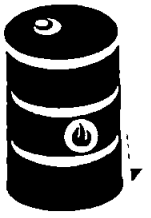
Figure 1:	Potentiometric Map – April 10, 2006
Figure 2:	Potentiometric Map – August 2, 2006
Figure 3	Potentiometric Map – October 10, 2006
Table 1:	Groundwater Monitoring Data and Analytical Results
Table 2:	Groundwater Analytical Results
Table 3:	Field Measurements
Attachments:	Standard Operating Procedure - Groundwater Sampling
	Field Data Sheets
	Chain of Custody Document and Laboratory Analytical Reports

GETTLER-RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#:	**Chevron #305192** Date: 4-10-06
Address:	**9816 271St Street Nw**
City/St.:	**Stanwood,WA**
Status of Site:	Empty Lot

DRUMS: Please list below ALL DRUMS @ site: i.e., drum description, condition, labeling, contents, location of drum:

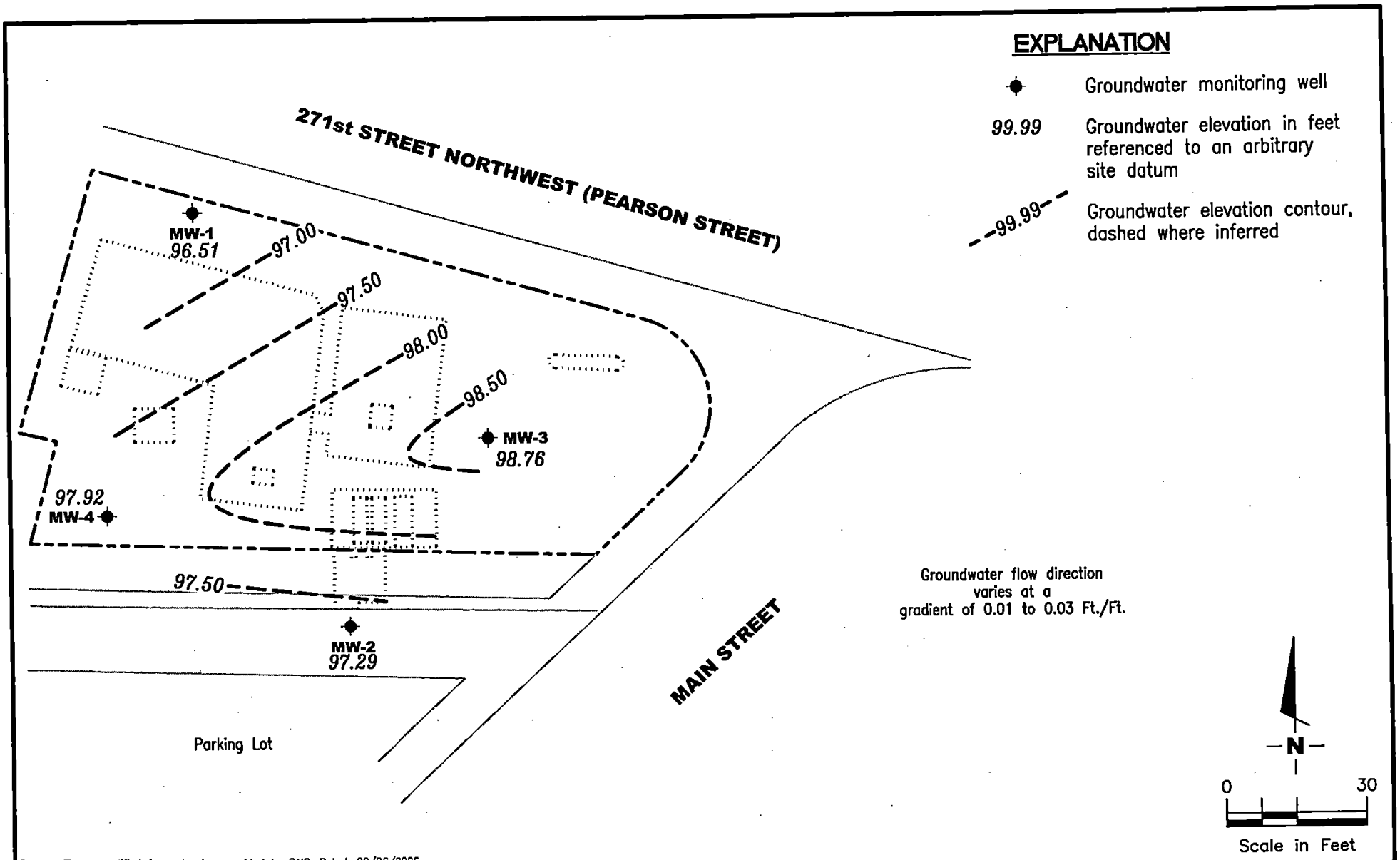


#	Description	Condition	Labeling	Contents	Location
	NO DRUMS				

WELLS: Please check the condition of ALL WELLS @ site: i.e., well box condition, well plug, well lock, etc.:

Well ID	Well Box	Bolts	Well Plug	Well Lock	Other
MW-1	OK	OK	OK	OK	
MW-2	↓	↓	↓	↓	
MW-3	↓	↓	↓	↓	
MW-4	↓	↓	↓	↓	

Additional Comments/Observations:



Source: Figure modified from drawing provided by SAIC, Dated: 02/06/2006.

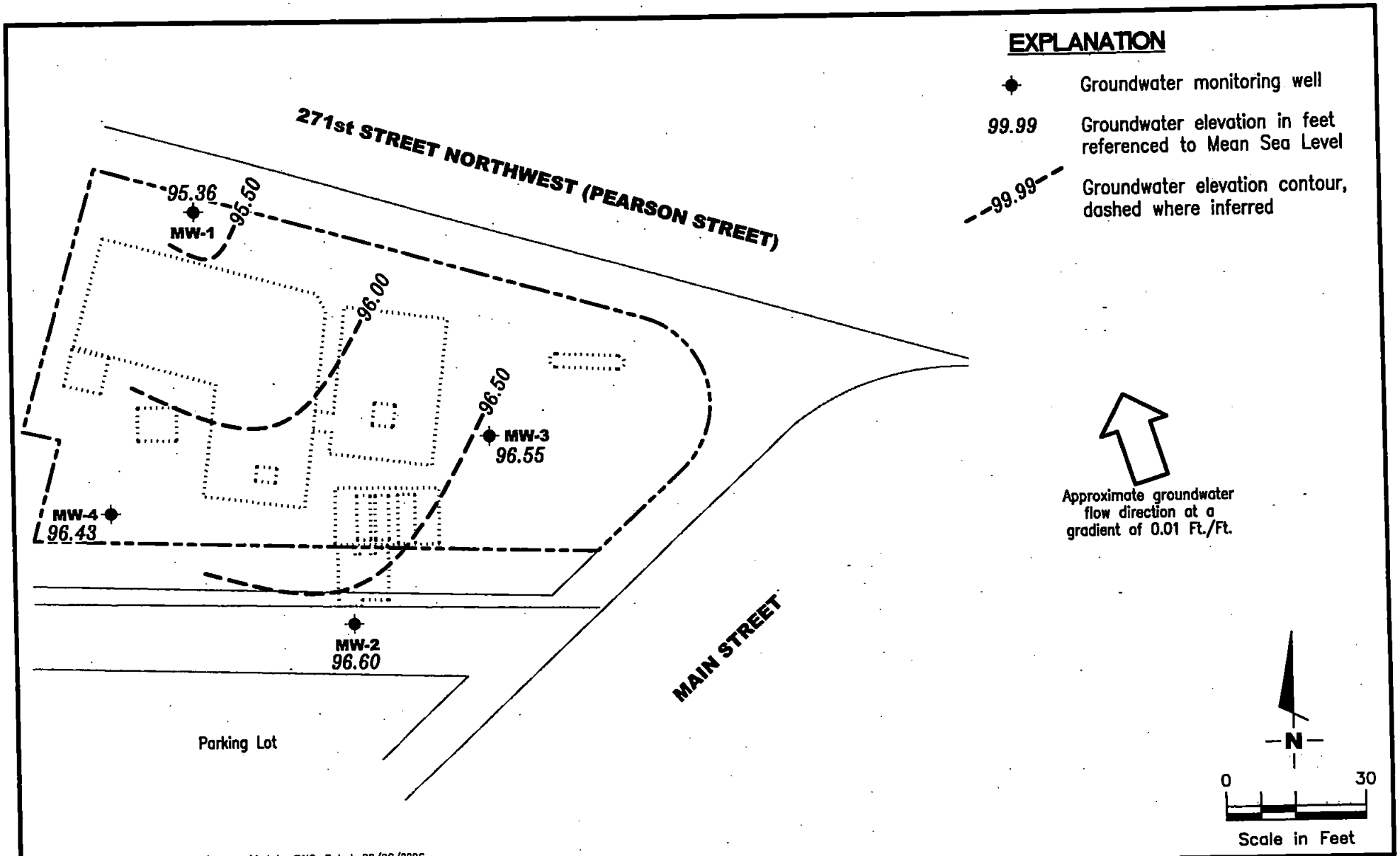
GETTLER - RYAN INC.
6747 Sierra Court, Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Former Chevron Service Station #305192
9816 271st Street Northwest
Stanwood, Washington

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
387100		April 10, 2006	

FILE NAME: P:\Enviro\Chevron\30-5192\Q06-305192.dwg | Layout Tab: Pot2



Source: Figure modified from drawing provided by SAIC, Dated: 02/06/2006.

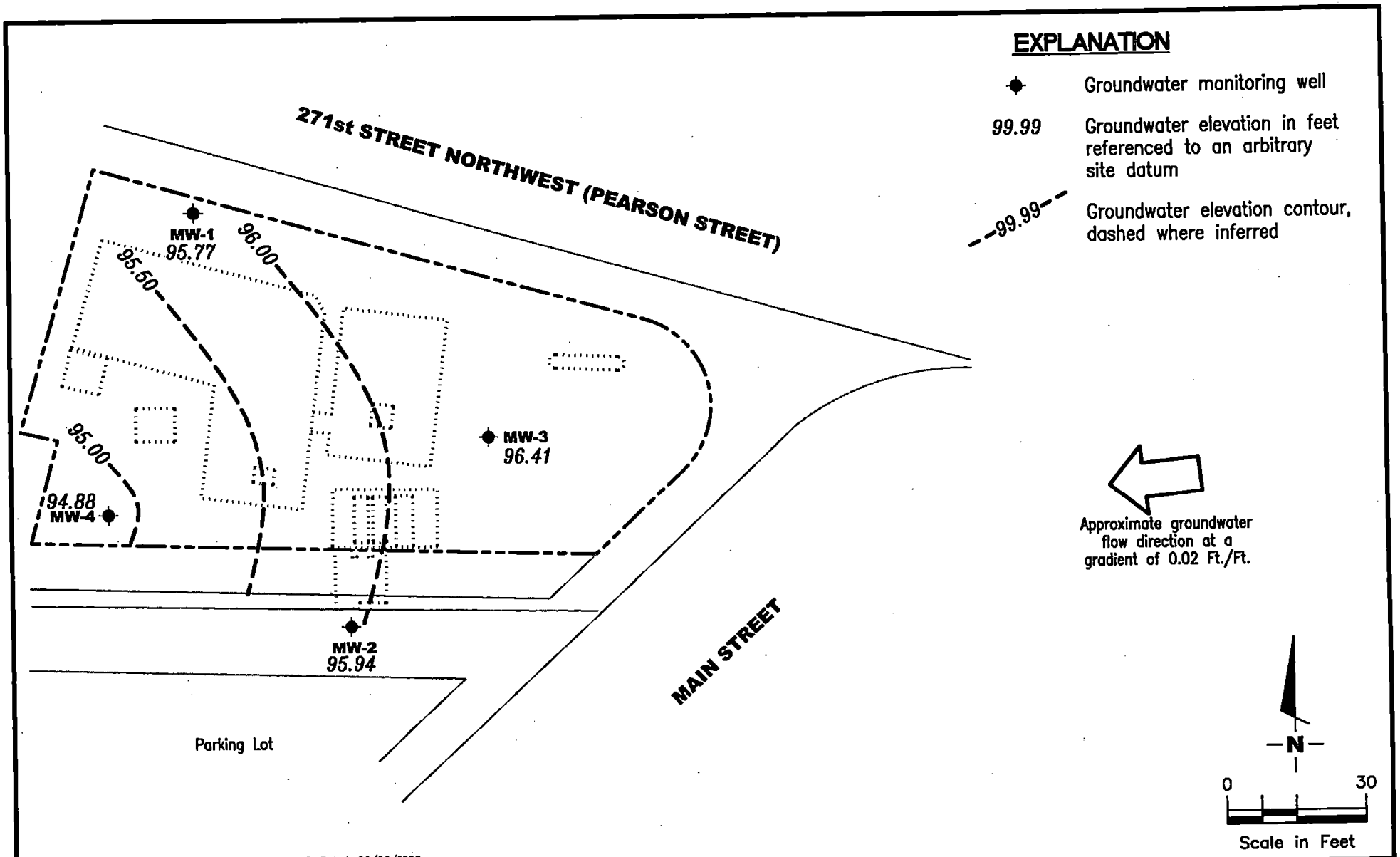
FIGURE 2

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

POTENTIOMETRIC MAP
Former Chevron Service Station #305192
9816 271st Street Northwest
Stanwood, Washington

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
387100		August 2, 2006	

FILE NAME: P:\Enviro\Chevron\30-5192\Q06-305192.dwg | Layout Tab: Pot3



Source: Figure modified from drawing provided by SAIC, Dated: 02/06/2006.

FIGURE 3

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

POTENTIOMETRIC MAP
Former Chevron Service Station #305192
9816 271st Street Northwest
Stanwood, Washington

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
387100		October 10, 2006	

FILE NAME: P:\Enviro\Chevron\305192\Q06-305192.dwg | Layout Tab: Pot4

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #305192

9816 271st Street Northwest

Stanwood, 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 (ppb)
MW-1													
04/10/06		98.32	1.81	96.51	--	--	--	--	--	--	--	--	--
05/03/06		98.32	--	--	310[1]	120[1]	<240	<2.5	<2.5	4.7	11	<13	<0.87
08/02/06	PER	98.32	2.96	95.36	260[1]	330[1]	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--
10/10/06	PER	98.32	2.55	95.77	150[1]	<100[1]	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--
MW-2													
04/10/06		99.58	2.29	97.29	--	--	--	--	--	--	--	--	--
05/03/06		99.58	--	--	1,400[1]	560[1]	<240	13	<2.5	<2.5	<7.5	<13	<0.87
08/02/06	PER	99.58	2.98	96.60	2,000[1]	1,800[1]	220	20	<0.5	<0.5	1.6	<2.5	--
10/10/06	PER	99.58	3.64	95.94	1,400[1]	790[1]	<240	16	<2.5	<2.5	<7.5	<13	--
MW-3													
04/10/06		99.16	0.40	98.76	--	--	--	--	--	--	--	--	--
05/03/06		99.16	--	--	580[1]	240[1]	<240	<2.5	<2.5	<2.5	<7.5	<13	<0.87
08/02/06	PER	99.16	2.61	96.55	350[1]	380[1]	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--
10/10/06	PER	99.16	2.75	96.41	310[1]	140[1]	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--
MW-4													
04/10/06		100.00	2.08	97.92	--	--	--	--	--	--	--	--	--
05/03/06		100.00	--	--	7,900[1]	<1,000[1]	<240	<2.5	<2.5	<2.5	<7.5	<13	<0.87
08/02/06	PER	99.16	3.57	95.59	7,300[1]	<1,000[1]	73	<0.5	<0.5	<0.5	2.8	<2.5	--
10/10/06	PER	99.16	4.28	94.88	7,900[1]	2,200[1]	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--
TRIP BLANK													
QA													
05/03/06		--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/02/06		--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--
10/10/06		--	--	--	--	--	<48	<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	48	0.5	0.5	0.5	1.5	2.5	0.001
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 7421

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #305192

9816 271st Street Northwest

Stanwood, 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
D. LEAD = Dissolved Lead

(ppb) = Parts per billion
-- = Not Measured/Not Analyzed
PER = Peristaltic Pump used for Purging
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 are expressed in feet relative to an arbitrary datum.

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

Table 2

Groundwater Analytical Results

Former Chevron Service Station #305192

9816 271st Street Northwest

Stanwood, Washington

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	FULL SCAN EPA 8260 (ppb)
MW-4	05/03/06	<500	<50	<5	<5	<5	<5	<5 - <60

EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
(ppb) = Parts per billion

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

Table 3

Field Measurements

Former Chevron Service Station #305192
9816 271st Street Northwest
Stanwood, Washington

WELL ID	DATE	Time (2400 hr.)	pH	Conductivity (µmhos/cm)	Temperature (°C/F°)	Turbidity (NTU)
MW-1	08/02/06	1055	6.72	401	(15.4/--)	93
MW-2	08/02/06	1017	6.49	430	(15.2/--)	371
		1025	6.47	421	(15.1/--)	78
MW-3	08/02/06	957	6.56	412	(15.5/--)	83
MW-4	08/02/06	920	6.76	433	(15.6/--)	176
		926	6.73	429	(15.5/--)	72

EXPLANATIONS:

pH = Potential Hydrogen Ions
(µmhos/cm) = Micromhos per cubic centimeter
(°C/F°) = Degrees Celsius/ Fahrenheit
(NTU) = Nephelometric Turbidity Unit
-- = Not Measured

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.

FORMER CHEVRON SERVICE STATION
Site #305192
Stanwood, Washington

MONITORING EVENT
OF APRIL 10, 2006

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #305192
Site Address: 9816 271St Street Nw
City: Stanwood,WA

Job Number: 387100
Event Date: 4-10-06 / 5-3-06 (inclusive)
Sampler: Ben W. Newton

Well ID: MW-1
Well Diameter: 1.5 in.
Total Depth: 14.08 ft.
Depth to Water: 1.81 ft.
12.27 xVF .1 = 1.2 x3 (case volume) = Estimated Purge Volume: 3.5 gal.

Date Monitored: 4-10-06
Well Condition:

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

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Other: Peristaltic X

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
Other: Peristaltic X

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): 1010
Sample Time/Date: 1030 / 5-3-06
Purging Flow Rate: gpm.
Did well de-water? No

Weather Conditions: Rainy
Water Color: clear
Odor: no
Sediment Description:
If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1014	1.2	6.33	329	14.8		
1018	2.4	6.36	324	14.2		
1022	3.5	6.34	321	14.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx(8015M)/BTEX/MTBE(8021)
MW-1	1 x amber	YES	HCL	LANCASTER	NWTPH-Dw/sgc/TPH-LO
MW-1	1 x poly	YES	NP	LANCASTER	DISSOLVED LEAD(6010)
MW-1	x voa vial	YES	HCL	LANCASTER	FULL SCAN(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #305192
Site Address: 9816 271St Street Nw
City: Stanwood,WA

Job Number: 387100 5-3-06
Event Date: 4-10-06 (inclusive)
Sampler: Ben W. Newton

Well ID MW-2
Well Diameter 1.5 in.
Total Depth 14.21 ft.
Depth to Water 2.29 ft.
11.92 xVF .1 = 1 x3 (case volume) = Estimated Purge Volume: 3 gal.

Date Monitored: 4-10-06 Well Condition:

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

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Other: Peristaltic X

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
Other: Peristaltic X

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): 1040 Weather Conditions: Rainy
Sample Time/Date: 1100 / 5-3-06 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)
1043	1	7.01	249	14.9		
1046	2	6.94	246	14.6		
1049	3	6.92	243	14.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx(8015M)/BTEX/MTBE(8021)
MW-2	1 x amber	YES	HCL	LANCASTER	NWTPH-Dw/sgc/TPH-LO
MW-2	1 x poly	YES	NP	LANCASTER	DISSOLVED LEAD(6010)
	x voa vial	YES	HCL	LANCASTER	FULL SCAN(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #305192
Site Address: 9816 271St Street Nw
City: Stanwood,WA

Job Number: 387100
Event Date: 4-10-06 / 15-3-06 (inclusive)
Sampler: Ben W. Newton

Well ID: MW-3
Date Monitored: 4-10-06
Well Condition:

Well Diameter: 1.5 in.
Total Depth: 13.65 ft.
Depth to Water: 10.40 ft.
13.25 xVF .1 = 1.3 x3 (case volume) = Estimated Purge Volume: 4 gal.

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

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Other: peristaltic X

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
Other: peristaltic X

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): 1110
Sample Time/Date: 1130 / 15-3-06
Purging Flow Rate: gpm.
Did well de-water? NO

Weather Conditions: Rain
Water Color: Clear
Odor: NO
Sediment Description:
If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1115	1.3	6.47	313	14.2		
1120	2.6	6.46	327	14.1		
1125	4	6.42	324	13.9		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx(8015M)/BTEX/MTBE(8021)
MW-3	1 x amber	YES	HCL	LANCASTER	NWTPH-Dw/sgc/TPH-LO
MW-3	1 x poly	YES	NP	LANCASTER	DISSOLVED LEAD(6010)
	x voa vial	YES	HCL	LANCASTER	FULL SCAN(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #305192
Site Address: 9816 271St Street Nw
City: Stanwood,WA

Job Number: 387100 15-3-06
Event Date: 4-10-06 (inclusive)
Sampler: Ben W. Newton

Well ID: MW-4
Date Monitored: 4-10-06
Well Condition: O.K.

Well Diameter: 1.5 in.
Total Depth: 13.83 ft.
Depth to Water: 2.08 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

11.75 xVF 1 = 1 x3 (case volume) = Estimated Purge Volume: 3 gal.

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Other: peristaltic X

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
Other: Peristaltic X

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): 1140 Weather Conditions: Rain
Sample Time/Date: 1200 / 15-3-06 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)
1143	1	6.73	339	14.0		
1146	2	6.72	332	13.7		
1149	3	6.68	330	13.6		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx(8015M)/BTEX/MTBE(8021)
MW-4	1 x amber	YES	HCL	LANCASTER	NWTPH-Dw/sgc/TPH-LO
MW-4	1 x poly	YES	NP	LANCASTER	DISSOLVED LEAD(6010)
MW-4	3 x voa vial	YES	HCL	LANCASTER	FULL SCAN(8260)

COMMENTS:

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

FORMER CHEVRON SERVICE STATION
Site #305192
Stanwood, Washington

SAMPLING EVENT
OF MAY 3, 2006

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 11260 Sample #: 4765317-25 SCR#:

C# 988414

Facility #: SS#305192-OML G-R#387100
Site Address: 9816 271st Street NW, STANWOOD, WA
Chevron PM: BH Lead Consultant: SAICPC
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 W. Newton
Service Order #: ☐ Non SAR:

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 highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy s on highest hit
☐ Run ____ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (Potable ☐ NPDES ☐)	Matrix: Oil ☐ Air ☐	Total Number of Containers	Analyses Requested / Preservation Codes: BTEX + MTBE 8260 ☐ 8021	TPH 8015	TPH 8015 MOD DRO (Silica Gel Cleanup)	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐	Dissolved lead 6010/7000
QA	5-3-06	—	X			X		2	X	X					
MW-1	5-3-06	1030	X			X		5	X	X	X	X			X
MW-2	5-3-06	1100	X			X		5	X	X	X	X			X
MW-3	5-3-06	1130	X			X		5	X	X	X	X			X
MW-4	5-3-06	1200	X			X		8	X	X	X	X			X

Comments / Remarks
8260 Full list on MW-4 only per C. Hansen, LF 5/5/06

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 | EDF/EDD
Type VI (Raw Data) | ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by: Ben Newton	5-4-06	1400	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	5/5/06	0905
Temperature Upon Receipt 4 coolers C° 3.2-4.2			Custody Seals Intact? Yes No	--	-

3460 Rev. 7/30/01

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.

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:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 988414. Samples arrived at the laboratory on Friday, May 05, 2006. The PO# for this group is 0015007062 and the release number is HUNTER.

Client Description	Lancaster Labs Number
QA Water Sample	4765317
MW-1 Grab Water Sample	4765318
MW-1 Filtered Grab Water Sample	4765319
MW-2 Grab Water Sample	4765320
MW-2 Filtered Grab Water Sample	4765321
MW-3 Grab Water Sample	4765322
MW-3 Filtered Grab Water Sample	4765323
MW-4 Grab Water Sample	4765324
MW-4 Filtered Grab Water Sample	4765325

ELECTRONIC COPY TO SAIC c/o Gettler-Ryan Attn: Cheryl Hansen

Lancaster Laboratories

Analysis Report

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

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4765317

QA Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:05/03/2006

Submitted: 05/05/2006 09:05
Reported: 05/19/2006 at 14:20
Discard: 06/19/2006

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

NWSQA

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.	48.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	05/09/2006 03:38	Steven A Skiles	1
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	05/09/2006 03:38	Steven A Skiles	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/09/2006 03:38	Steven A Skiles	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4765318

MW-1 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:05/03/2006 10:30 by BN

Account Number: 11260

Submitted: 05/05/2006 09:05
Reported: 05/19/2006 at 14:20
Discard: 06/19/2006

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

NWS01

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.	2.5	ug/l	5
02164	Toluene	108-88-3	N.D.	2.5	ug/l	5
02166	Ethylbenzene	100-41-4	4.7	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	11.	7.5	ug/l	5
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	13.	ug/l	5
	Due to excessive foaming of the sample, normal reporting limits were not attained.					
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	310.	80.	ug/l	1
02096	Heavy Range Organics	n.a.	120.	100.	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	240.	ug/l	5
	Due to excessive foaming of the sample, normal reporting limits were not attained.					

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	05/10/2006 03:33	Steven A Skiles	5
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	05/11/2006 14:43	Matthew E Barton	1
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	05/10/2006 03:33	Steven A Skiles	5
01146	GC VOA Water Prep	SW-846 5030B	2	05/10/2006 03:33	Steven A Skiles	5
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	05/11/2006 03:00	Sherry L Morrow	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4765318

MW-1 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:05/03/2006 10:30 by BN

Submitted: 05/05/2006 09:05
Reported: 05/19/2006 at 14:20
Discard: 06/19/2006

NWS01

Account Number: 11260

Chevron
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Analysis Report

Lancaster Laboratories Sample No. WW 4765319

MW-1 Filtered Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:05/03/2006 10:30 by BN

Submitted: 05/05/2006 09:05
Reported: 05/19/2006 at 14:20
Discard: 06/19/2006

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	N.D.	0.87	ug/l	1

State of Washington Lab Certification No. C259
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	05/12/2006 14:32	Jennifer L Moyer	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	05/10/2006 19:22	James L Mertz	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4765320

MW-2 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected: 05/03/2006 11:00 by BN

Account Number: 11260

Submitted: 05/05/2006 09:05
Reported: 05/19/2006 at 14:20
Discard: 06/19/2006

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

NWS02

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	13.	2.5	ug/l	5
02164	Toluene	108-88-3	N.D.	2.5	ug/l	5
02166	Ethylbenzene	100-41-4	N.D.	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	N.D.	7.5	ug/l	5
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	13.	ug/l	5
	Due to excessive foaming of the sample, normal reporting limits were not attained.					
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	1,400.	77.	ug/l	1
02096	Heavy Range Organics	n.a.	560.	96.	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	240.	ug/l	5
	Due to excessive foaming of the sample, normal reporting limits were not attained.					

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	05/10/2006 04:05	Steven A Skiles	5
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	05/11/2006 15:31	Matthew E Barton	1
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	05/10/2006 04:05	Steven A Skiles	5
01146	GC VOA Water Prep	SW-846 5030B	2	05/10/2006 04:05	Steven A Skiles	5
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	05/11/2006 03:00	Sherry L Morrow	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4765320

MW-2 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:05/03/2006 11:00 by BN

Submitted: 05/05/2006 09:05
Reported: 05/19/2006 at 14:20
Discard: 06/19/2006

NWS02

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4765321

MW-2 Filtered Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected: 05/03/2006 11:00 by BN

Submitted: 05/05/2006 09:05
Reported: 05/19/2006 at 14:20
Discard: 06/19/2006

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	N.D.	0.87	ug/l	1

State of Washington Lab Certification No. C259
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	05/12/2006 14:37	Jennifer L Moyer	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	05/10/2006 19:22	James L Mertz	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4765322

MW-3 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:05/03/2006 11:30 by BN

Account Number: 11260

Submitted: 05/05/2006 09:05
Reported: 05/19/2006 at 14:20
Discard: 06/19/2006

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

NWS03

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.	2.5	ug/l	5
02164	Toluene	108-88-3	N.D.	2.5	ug/l	5
02166	Ethylbenzene	100-41-4	N.D.	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	N.D.	7.5	ug/l	5
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	13.	ug/l	5
	Due to excessive foaming of the sample, normal reporting limits were not attained.					
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	580.	84.	ug/l	1
02096	Heavy Range Organics	n.a.	240.	110.	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	240.	ug/l	5
	Due to excessive foaming of the sample, normal reporting limits were not attained.					

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	05/10/2006 04:38	Steven A Skiles	5
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	05/11/2006 15:55	Matthew E Barton	1
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	05/10/2006 04:38	Steven A Skiles	5
01146	GC VOA Water Prep	SW-846 5030B	2	05/10/2006 04:38	Steven A Skiles	5
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	05/11/2006 03:00	Sherry L Morrow	1

Lancaster Laboratories Sample No. WW 4765322

MW-3 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:05/03/2006 11:30 by BN

Submitted: 05/05/2006 09:05
Reported: 05/19/2006 at 14:20
Discard: 06/19/2006

NWS03

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4765323

MW-3 Filtered Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:05/03/2006 11:30 by BN

Submitted: 05/05/2006 09:05
Reported: 05/19/2006 at 14:20
Discard: 06/19/2006

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	N.D.	0.87	ug/l	1

State of Washington Lab Certification No. C259
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	05/12/2006 14:42	Jennifer L Moyer	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	05/10/2006 19:22	James L Mertz	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4765324

MW-4 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:05/03/2006 12:00 by BN

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 05/05/2006 09:05
Reported: 05/19/2006 at 14:20
Discard: 06/19/2006

NWS04

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.	2.5	ug/l	5
02164	Toluene	108-88-3	N.D.	2.5	ug/l	5
02166	Ethylbenzene	100-41-4	N.D.	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	N.D.	7.5	ug/l	5
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	13.	ug/l	5
	Due to excessive foaming of the sample, normal reporting limits were not attained.					
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	7,900.	830.	ug/l	10
02096	Heavy Range Organics	n.a.	N.D.	1,000.	ug/l	10
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	240.	ug/l	5
	Due to excessive foaming of the sample, normal reporting limits were not attained.					
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	N.D.	20.	ug/l	10
05385	Chloromethane	74-87-3	N.D.	10.	ug/l	10
05386	Vinyl Chloride	75-01-4	N.D.	10.	ug/l	10
05387	Bromomethane	74-83-9	N.D.	10.	ug/l	10
05388	Chloroethane	75-00-3	N.D.	10.	ug/l	10
05389	Trichlorofluoromethane	75-69-4	N.D.	20.	ug/l	10
05390	1,1-Dichloroethene	75-35-4	N.D.	8.	ug/l	10
05391	Methylene Chloride	75-09-2	N.D.	20.	ug/l	10
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	8.	ug/l	10
05393	1,1-Dichloroethane	75-34-3	N.D.	10.	ug/l	10
05394	2,2-Dichloropropane	594-20-7	N.D.	10.	ug/l	10
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	8.	ug/l	10
05396	Chloroform	67-66-3	N.D.	8.	ug/l	10
05397	Bromochloromethane	74-97-5	N.D.	10.	ug/l	10
05398	1,1,1-Trichloroethane	71-55-6	N.D.	8.	ug/l	10
05399	Carbon Tetrachloride	56-23-5	N.D.	10.	ug/l	10
05400	1,1-Dichloropropene	563-58-6	N.D.	10.	ug/l	10

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Analysis Report

Lancaster Laboratories Sample No. WW 4765324

MW-4 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:05/03/2006 12:00 by BN

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 05/05/2006 09:05
Reported: 05/19/2006 at 14:20
Discard: 06/19/2006

NWS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05401	Benzene	71-43-2	N.D.	5.	ug/l	10
05402	1,2-Dichloroethane	107-06-2	N.D.	5.	ug/l	10
05403	Trichloroethene	79-01-6	N.D.	10.	ug/l	10
05404	1,2-Dichloropropane	78-87-5	N.D.	10.	ug/l	10
05405	Dibromomethane	74-95-3	N.D.	10.	ug/l	10
05406	Bromodichloromethane	75-27-4	N.D.	10.	ug/l	10
05407	Toluene	108-88-3	N.D.	5.	ug/l	10
05408	1,1,2-Trichloroethane	79-00-5	N.D.	8.	ug/l	10
05409	Tetrachloroethene	127-18-4	N.D.	8.	ug/l	10
05410	1,3-Dichloropropane	142-28-9	N.D.	10.	ug/l	10
05411	Dibromochloromethane	124-48-1	N.D.	10.	ug/l	10
05412	1,2-Dibromoethane	106-93-4	N.D.	5.	ug/l	10
05413	Chlorobenzene	108-90-7	N.D.	8.	ug/l	10
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	10.	ug/l	10
05415	Ethylbenzene	100-41-4	N.D.	5.	ug/l	10
05416	m+p-Xylene	1330-20-7	N.D.	5.	ug/l	10
05417	o-Xylene	95-47-6	N.D.	5.	ug/l	10
05418	Styrene	100-42-5	N.D.	10.	ug/l	10
05419	Bromoform	75-25-2	N.D.	10.	ug/l	10
05420	Isopropylbenzene	98-82-8	N.D.	10.	ug/l	10
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	10.	ug/l	10
05422	Bromobenzene	108-86-1	N.D.	10.	ug/l	10
05423	1,2,3-Trichloropropane	96-18-4	N.D.	10.	ug/l	10
05424	n-Propylbenzene	103-65-1	N.D.	10.	ug/l	10
05425	2-Chlorotoluene	95-49-8	N.D.	10.	ug/l	10
05426	1,3,5-Trimethylbenzene	108-67-8	N.D.	10.	ug/l	10
05427	4-Chlorotoluene	106-43-4	N.D.	10.	ug/l	10
05428	tert-Butylbenzene	98-06-6	N.D.	10.	ug/l	10
05429	1,2,4-Trimethylbenzene	95-63-6	N.D.	10.	ug/l	10
05430	sec-Butylbenzene	135-98-8	N.D.	10.	ug/l	10
05431	p-Isopropyltoluene	99-87-6	N.D.	10.	ug/l	10
05432	1,3-Dichlorobenzene	541-73-1	N.D.	10.	ug/l	10
05433	1,4-Dichlorobenzene	106-46-7	N.D.	10.	ug/l	10
05434	n-Butylbenzene	104-51-8	N.D.	10.	ug/l	10
05435	1,2-Dichlorobenzene	95-50-1	N.D.	10.	ug/l	10
05436	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	20.	ug/l	10
05437	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	ug/l	10
05438	Hexachlorobutadiene	87-68-3	N.D.	20.	ug/l	10
05439	Naphthalene	91-20-3	N.D.	10.	ug/l	10
05440	1,2,3-Trichlorobenzene	87-61-6	N.D.	10.	ug/l	10

08202 EPA SW 846/8260 - Water

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4765324

MW-4 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:05/03/2006 12:00 by BN

Account Number: 11260

Submitted: 05/05/2006 09:05
Reported: 05/19/2006 at 14:20
Discard: 06/19/2006

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

NWS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01587	Ethanol	64-17-5	N.D.	500.	ug/l	10
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	ug/l	10
02011	di-Isopropyl ether	108-20-3	N.D.	5.	ug/l	10
02013	Ethyl t-butyl ether	637-92-3	N.D.	5.	ug/l	10
02014	t-Amyl methyl ether	994-05-8	N.D.	5.	ug/l	10
02015	t-Butyl alcohol	75-65-0	N.D.	50.	ug/l	10
06302	Acetone	67-64-1	N.D.	60.	ug/l	10
06303	Carbon Disulfide	75-15-0	N.D.	10.	ug/l	10
06305	2-Butanone	78-93-3	N.D.	30.	ug/l	10
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	10.	ug/l	10
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	10.	ug/l	10
06308	4-Methyl-2-pentanone	108-10-1	N.D.	30.	ug/l	10
06309	2-Hexanone	591-78-6	N.D.	30.	ug/l	10
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	20.	ug/l	10
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
08203	Freon 113	76-13-1	N.D.	20.	ug/l	10

The reporting limits for the GC/MS volatile compounds were raised due to sample foaming.

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	05/10/2006 05:10	Steven A Skiles	5
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	05/16/2006 12:49	Matthew E Barton	10
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	05/10/2006 05:10	Steven A Skiles	5
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/16/2006 14:45	Parker D Lindstrom	10
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	05/16/2006 14:45	Parker D Lindstrom	10
01146	GC VOA Water Prep	SW-846 5030B	2	05/10/2006 05:10	Steven A Skiles	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/16/2006 14:45	Parker D Lindstrom	10
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	05/11/2006 03:00	Sherry L Morrow	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4765325

MW-4 Filtered Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:05/03/2006 12:00 by BN

Account Number: 11260

Submitted: 05/05/2006 09:05
Reported: 05/19/2006 at 14:20
Discard: 06/19/2006

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	N.D.	0.87	ug/l	1

State of Washington Lab Certification No. C259
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	05/12/2006 14:46	Jennifer L Moyer	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	05/10/2006 19:22	James L Mertz	1

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Chevron
Reported: 05/19/06 at 02:20 PM

Group Number: 988414

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: 06128A07A	Sample number(s): 4765317							
TPH by NWTPH-Gx waters	N.D.	48.	ug/l	92	93	70-130	1	30
Benzene	N.D.	0.5	ug/l	95	95	86-119	0	30
Toluene	N.D.	0.5	ug/l	97	96	82-119	0	30
Ethylbenzene	N.D.	0.5	ug/l	96	96	81-119	0	30
Total Xylenes	N.D.	1.5	ug/l	97	98	82-120	0	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	101	101	82-124	0	30
Batch number: 06129A07	Sample number(s): 4765318,4765320,4765322,4765324							
TPH by NWTPH-Gx waters	N.D.	48.	ug/l	89	94	70-130	5	30
Benzene	N.D.	0.5	ug/l	93	95	86-119	2	30
Toluene	N.D.	0.5	ug/l	95	96	82-119	1	30
Ethylbenzene	N.D.	0.5	ug/l	95	96	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	96	97	82-120	0	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	103	104	82-124	0	30
Batch number: 061300008A	Sample number(s): 4765318,4765320,4765322,4765324							
Diesel Range Organics	N.D.	0.080	mg/l	74	70	51-113	5	20
Heavy Range Organics	N.D.	0.10	mg/l					
Batch number: 061305704004	Sample number(s): 4765319,4765321,4765323,4765325							
Lead (furnace method)	N.D.	0.00087	mg/l	87		80-120		
Batch number: W061361AA	Sample number(s): 4765324							
Ethanol	N.D.	50.	ug/l	114		35-168		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	108		73-119		
di-Isopropyl ether	N.D.	0.5	ug/l	108		67-130		
Ethyl t-butyl ether	N.D.	0.5	ug/l	107		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	106		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	116		69-127		
Dichlorodifluoromethane	N.D.	2.	ug/l	112		39-160		
Chloromethane	N.D.	1.	ug/l	105		56-134		
Vinyl Chloride	N.D.	1.	ug/l	104		62-123		
Bromomethane	N.D.	1.	ug/l	105		47-129		
Chloroethane	N.D.	1.	ug/l	104		57-125		
Trichlorofluoromethane	N.D.	2.	ug/l	112		67-136		
1,1-Dichloroethene	N.D.	0.8	ug/l	109		79-130		
Methylene Chloride	N.D.	2.	ug/l	110		85-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	109		83-117		
1,1-Dichloroethane	N.D.	1.	ug/l	108		83-127		
2,2-Dichloropropane	N.D.	1.	ug/l	109		74-130		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	113		84-117		
Chloroform	N.D.	0.8	ug/l	112		86-124		
Bromochloromethane	N.D.	1.	ug/l	109		73-126		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	111		83-127		
Carbon Tetrachloride	N.D.	1.	ug/l	115		77-130		
1,1-Dichloropropene	N.D.	1.	ug/l	110		84-116		

*- 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: Chevron
Reported: 05/19/06 at 02:20 PM

Group Number: 988414

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Benzene	N.D.	0.5	ug/l	111		85-117		
1,2-Dichloroethane	N.D.	0.5	ug/l	115		77-132		
Trichloroethene	N.D.	1.	ug/l	104		87-117		
1,2-Dichloropropane	N.D.	1.	ug/l	110		80-117		
Dibromomethane	N.D.	1.	ug/l	111		87-117		
Bromodichloromethane	N.D.	1.	ug/l	111		83-121		
Toluene	N.D.	0.5	ug/l	104		85-115		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	104		86-113		
Tetrachloroethene	N.D.	0.8	ug/l	100		74-125		
1,3-Dichloropropane	N.D.	1.	ug/l	103		84-119		
Dibromochloromethane	N.D.	1.	ug/l	105		78-119		
1,2-Dibromoethane	N.D.	0.5	ug/l	105		81-114		
Chlorobenzene	N.D.	0.8	ug/l	103		85-115		
1,1,1,2-Tetrachloroethane	N.D.	1.	ug/l	104		83-114		
Ethylbenzene	N.D.	0.5	ug/l	106		82-119		
m+p-Xylene	N.D.	0.5	ug/l	107		83-113		
o-Xylene	N.D.	0.5	ug/l	104		83-113		
Styrene	N.D.	1.	ug/l	100		82-111		
Bromoform	N.D.	1.	ug/l	105		69-118		
Isopropylbenzene	N.D.	1.	ug/l	103		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	102		72-119		
Bromobenzene	N.D.	1.	ug/l	100		82-110		
1,2,3-Trichloropropane	N.D.	1.	ug/l	101		78-117		
n-Propylbenzene	N.D.	1.	ug/l	101		78-119		
2-Chlorotoluene	N.D.	1.	ug/l	99		78-115		
1,3,5-Trimethylbenzene	N.D.	1.	ug/l	101		78-116		
4-Chlorotoluene	N.D.	1.	ug/l	98		80-112		
tert-Butylbenzene	N.D.	1.	ug/l	100		74-114		
1,2,4-Trimethylbenzene	N.D.	1.	ug/l	102		78-117		
sec-Butylbenzene	N.D.	1.	ug/l	99		72-120		
p-Isopropyltoluene	N.D.	1.	ug/l	99		72-118		
1,3-Dichlorobenzene	N.D.	1.	ug/l	99		81-114		
1,4-Dichlorobenzene	N.D.	1.	ug/l	99		84-116		
n-Butylbenzene	N.D.	1.	ug/l	96		69-128		
1,2-Dichlorobenzene	N.D.	1.	ug/l	98		81-112		
1,2-Dibromo-3-chloropropane	N.D.	2.	ug/l	104		55-127		
1,2,4-Trichlorobenzene	N.D.	1.	ug/l	96		65-114		
Hexachlorobutadiene	N.D.	2.	ug/l	94		56-120		
Naphthalene	N.D.	1.	ug/l	101		61-116		
1,2,3-Trichlorobenzene	N.D.	1.	ug/l	98		67-114		
Acetone	N.D.	6.	ug/l	159		21-226		
Carbon Disulfide	N.D.	1.	ug/l	105		63-133		
2-Butanone	N.D.	3.	ug/l	129		52-163		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	101		79-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	108		78-114		
4-Methyl-2-pentanone	N.D.	3.	ug/l	109		70-130		
2-Hexanone	N.D.	3.	ug/l	110		61-140		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	88		73-122		
Freon 113	N.D.	2.	ug/l	102		64-134		

Sample Matrix Quality Control

*- 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: Chevron

Group Number: 988414

Reported: 05/19/06 at 02:20 PM

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 06128A07A	Sample number(s): 4765317 UNSPK: P765262, P765263								
TPH by NWTPH-Gx waters	97		63-154						
Benzene	60*		78-131						
Toluene	80		78-129						
Ethylbenzene	73*		75-133						
Total Xylenes	94		84-131						
Methyl tert-Butyl Ether	95		70-134						
Batch number: 06129A07	Sample number(s): 4765318,4765320,4765322,4765324 UNSPK: P765264, P767272								
TPH by NWTPH-Gx waters	97		63-154						
Benzene	102		78-131						
Toluene	105		78-129						
Ethylbenzene	106		75-133						
Total Xylenes	108		84-131						
Methyl tert-Butyl Ether	109		70-134						
Batch number: 061305704004	Sample number(s): 4765319,4765321,4765323,4765325 UNSPK: P767671 BKG: P767671								
Lead (furnace method)	89	90	80-120	2	20	N.D.	N.D.	8 (1)	20
Batch number: W061361AA	Sample number(s): 4765324 UNSPK: P766091								
Ethanol	88	100	34-161	12	30				
Methyl Tertiary Butyl Ether	116	122	69-127	2	30				
di-Isopropyl ether	113	115	75-130	1	30				
Ethyl t-butyl ether	112	111	78-119	1	30				
t-Amyl methyl ether	110	110	72-125	0	30				
t-Butyl alcohol	108	120	64-130	10	30				
Dichlorodifluoromethane	139	136	43-200	2	30				
Chloromethane	121	113	59-148	7	30				
Vinyl Chloride	117	117	67-142	0	30				
Bromomethane	111	110	52-141	1	30				
Chloroethane	112	112	63-142	0	30				
Trichlorofluoromethane	132	130	75-163	1	30				
1,1-Dichloroethene	122	124	87-145	2	30				
Methylene Chloride	113	114	79-133	1	30				
trans-1,2-Dichloroethene	120	119	82-133	1	30				
1,1-Dichloroethane	117	119	85-135	2	30				
2,2-Dichloropropane	118	117	79-146	1	30				
cis-1,2-Dichloroethene	119	117	83-126	2	30				
Chloroform	118	118	82-131	1	30				
Bromochloromethane	114	113	71-134	1	30				
1,1,1-Trichloroethane	123	122	81-142	1	30				
Carbon Tetrachloride	129	127	79-155	1	30				
1,1-Dichloropropene	123	122	86-134	1	30				
Benzene	118	119	83-128	1	30				
1,2-Dichloroethane	118	118	70-143	0	30				
Trichloroethene	114	113	83-136	1	30				
1,2-Dichloropropane	117	115	83-129	2	30				
Dibromomethane	113	115	82-128	1	30				
Bromodichloromethane	117	117	80-129	0	30				
Toluene	113	113	83-127	0	30				
1,1,2-Trichloroethane	106	106	77-125	0	30				
Tetrachloroethene	107	108	78-133	1	30				
1,3-Dichloropropane	107	106	82-121	1	30				
Dibromochloromethane	108	108	82-119	0	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: Chevron
Reported: 05/19/06 at 02:20 PM

Group Number: 988414

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,2-Dibromoethane	106	106	78-120	0	30				
Chlorobenzene	108	109	83-120	1	30				
1,1,1,2-Tetrachloroethane	110	109	83-119	0	30				
Ethylbenzene	111	112	82-129	1	30				
m+p-Xylene	111	111	82-130	0	30				
o-Xylene	109	109	82-130	0	30				
Styrene	99	101	76-126	1	30				
Bromoform	105	106	64-119	0	30				
Isopropylbenzene	111	111	81-130	0	30				
1,1,2,2-Tetrachloroethane	104	105	69-128	1	30				
Bromobenzene	104	107	83-121	3	30				
1,2,3-Trichloropropane	103	105	73-125	2	30				
n-Propylbenzene	109	111	74-138	2	30				
2-Chlorotoluene	104	106	78-121	2	30				
1,3,5-Trimethylbenzene	106	108	77-124	2	30				
4-Chlorotoluene	105	106	81-123	1	30				
tert-Butylbenzene	107	109	76-128	2	30				
1,2,4-Trimethylbenzene	105	106	80-125	1	30				
sec-Butylbenzene	107	109	73-129	2	30				
p-Isopropyltoluene	106	108	72-128	2	30				
1,3-Dichlorobenzene	104	106	79-123	2	30				
1,4-Dichlorobenzene	104	104	81-122	0	30				
n-Butylbenzene	103	104	67-141	1	30				
1,2-Dichlorobenzene	102	103	82-117	1	30				
1,2-Dibromo-3-chloropropane	102	104	52-137	2	30				
1,2,4-Trichlorobenzene	97	99	60-121	2	30				
Hexachlorobutadiene	99	101	51-135	2	30				
Naphthalene	99	101	50-124	2	30				
1,2,3-Trichlorobenzene	100	101	58-122	1	30				
Acetone	109	107	48-143	2	30				
Carbon Disulfide	114	115	67-150	1	30				
2-Butanone	112	111	57-137	1	30				
trans-1,3-Dichloropropene	105	105	77-123	0	30				
cis-1,3-Dichloropropene	108	109	80-126	1	30				
4-Methyl-2-pentanone	112	113	68-133	1	30				
2-Hexanone	107	108	60-135	1	30				
2-Chloroethyl Vinyl Ether	0*	0*	1-172	0	30				
Freon 113	125	123	74-129	1	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH by NWTPH-Gx waters
Batch number: 06128A07A

	Trifluorotoluene-P	Trifluorotoluene-F
4765317	114	95
Blank	114	96

*- 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: Chevron
Reported: 05/19/06 at 02:20 PM

Group Number: 988414

Surrogate Quality Control

LCS	115	103
LCSD	115	102
MS	126	99
Limits:	69-129	63-135

Analysis Name: TPH by NWTPH-Gx waters
Batch number: 06129A07

	Trifluorotoluene-P	Trifluorotoluene-F
4765318	114	96
4765320	114	95
4765322	113	94
4765324	113	94
Blank	114	96
LCS	115	101
LCSD	114	103
MS	114	106
Limits:	69-129	63-135

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel
Batch number: 061300008A

	Orthoterphenyl
4765318	99
4765320	73
4765322	109
4765324	115
Blank	87
LCS	95
LCSD	92
Limits:	52-141

Analysis Name: EPA SW846/8260 (water)
Batch number: W061361AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4765324	89	87	84	84
Blank	90	87	84	83
LCS	88	88	87	90
MS	89	89	87	90
MSD	89	88	87	90
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.

Lancaster Laboratories
Explanation of Symbols and Abbreviations

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

N.D.	none detected
TNTC	Too Numerous To Count
IU	International Units
umhos/cm	micromhos/cm
C	degrees Celsius
Cal	(diet) calories
meq	milliequivalents
g	gram(s)
ug	microgram(s)
ml	milliliter(s)
m3	cubic meter(s)

BMQL	Below Minimum Quantitation Level
MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units
NTU	nephelometric turbidity units
F	degrees Fahrenheit
lb.	pound(s)
kg	kilogram(s)
mg	milligram(s)
l	liter(s)
ul	microliter(s)
fib >5 um/ml	fibers greater than 5 microns in length per ml

< 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

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.

U.S. EPA 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 quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
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 amount 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.

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.

FORMER CHEVRON SERVICE STATION
Site #305192
Stanwood, Washington

MONITORING & SAMPLING
EVENT OF AUGUST 2, 2006

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #305192 Job Number: 387100
Site Address: 9816 271St Street Nw Event Date: 8-2-06 (inclusive)
City: Stanwood,WA Sampler: BWN

Well ID MW-1 Date Monitored: 8-2-06 Well Condition: ok
Well Diameter 1.5 in.
Total Depth 14.08 ft.
Depth to Water 2.96 ft.
11.12 xVF .1 = 1 x3 (case volume) = Estimated Purge Volume: 3 gal.

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

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Other: Peristaltic

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
Other: Peristaltic

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): 1045 Weather Conditions: Sunny
Sample Time/Date: 1106 / 8-2-06 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)	Turbidity
1055	1	6.72	401	15.4			93

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx(8015M)/BTEX/MTBE(8021)
MW-1	2 x amber	YES	HCL	LANCASTER	NWTPH-Dw/sgc/TPH-LO
	x poly	YES	NP	LANCASTER	DISSOLVED LEAD(6010)
	x voa vial	YES	HCL	LANCASTER	FULL SCAN(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #305192
Site Address: 9816 271St Street Nw
City: Stanwood,WA

Job Number: 387100
Event Date: 8-2-06 (inclusive)
Sampler: BWN

Well ID MW-2
Well Diameter 1.5 in.
Total Depth 14.21 ft.
Depth to Water 2.98 ft.
11.23 xVF 1 = 1 x3 (case volume) = Estimated Purge Volume: 3 gal.

Date Monitored: 8-2-06 Well Condition: OK

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

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Other: Peristaltic

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
Other: Peristaltic

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): 1010 Weather Conditions: Sunny
Sample Time/Date: 1033 / 8/2/06 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)	Turb.
1017	1	6.49	430	15.2			371
1025	2	6.47	421	15.1			78

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx(8015M)/BTEX/MTBE(8021)
MW-2	2 x amber	YES	HCL	LANCASTER	NWTPH-Dw/sgc/TPH-LO
	x poly	YES	NP	LANCASTER	DISSOLVED LEAD(6010)
	x voa vial	YES	HCL	LANCASTER	FULL SCAN(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #305192 Job Number: 387100
Site Address: 9816 271St Street Nw Event Date: 8-2-06 (inclusive)
City: Stanwood,WA Sampler: BWN

Well ID MW-3 Date Monitored: 8-2-06 Well Condition: OK
Well Diameter 1.5 in.
Total Depth 13.65 ft.
Depth to Water 2.61 ft.
11.04 xVF .1 = 1 x3 (case volume) = Estimated Purge Volume: 3 gal.

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

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Other: Peristaltic

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
Other: Peristaltic

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): 950 Weather Conditions: Sunny
Sample Time/Date: 1004 / 8-02-06 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 (µmhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)	Turb:
957	1	6.56	412	15.5			83

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx(8015M)/BTEX/MTBE(8021)
MW-3	2 x amber	YES	HCL	LANCASTER	NWTPH-Dw/sgc/TPH-LO
	x poly	YES	NP	LANCASTER	DISSOLVED LEAD(6010)
	x voa vial	YES	HCL	LANCASTER	FULL SCAN(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #305192 Job Number: 387100
Site Address: 9816 271St Street Nw Event Date: 8-2-06 (inclusive)
City: Stanwood,WA Sampler: BWN

Well ID MW-4 Date Monitored: 8-2-06 Well Condition: OK
Well Diameter 2 in.
Total Depth 13.83 ft.
Depth to Water 3.57 ft.
10.26 xVF 1 = 1 x3 (case volume) = Estimated Purge Volume: 3 gal.

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

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Other: Peristaltic

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
Other: Peristaltic

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): 911 Weather Conditions: Sunny
Sample Time/Date: 932 / 8-2-06 Water Color: Gray 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)	Turb.
920	1	6.76	433	15.6			176
926	2	6.73	429	15.5			72

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx(8015M)/BTEX/MTBE(8021)
MW-4	2 x amber	YES	HCL	LANCASTER	NWTPH-Dw/sgc/TPH-LO
	x poly	YES	NP	LANCASTER	DISSOLVED LEAD(6010)
	x voa vial	YES	HCL	LANCASTER	FULL SCAN(8260)

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. #: 11260 Sample #: 483237276 SCR#: C# 1000228

Analyses Requested

Preservation Codes

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

Facility #: SS#305192-OML G-R#387100
Site Address: 9816 271st Street NW, STANWOOD, WA
Chevron PM: BH Lead Consultant: SAICPC
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	Potable	NPDES	Total Number of Containers	BTEX + MTBE 8021	8260	Naphth	8260 full scan	Oxygenates	TPH G	TPH D	Extended Rng. Silica Gel Cleanup	Lead Total	Diss.	Method	VPH/EPH	NWTPH H HCID	quantification
QA	8-2-06	—	X			X					2	X					X								
MW-1		1106	X			X					5	X					X	X							
MW-2		1033	X			X					5	X					X	X							
MW-3		1004	X			X					5	X					X	X							
MW-4		932	X			X					5	X					X	X							

Comments / Remarks

- ☐ 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

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) **EDF/EDD**
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk ____ Other.

	Date	Time		Date	Time
Relinquished by: Ben Newton	8-3-06	1400	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	8/4/06	0935
Temperature Upon Receipt 2.5-5.0 C°			Custody Seals Intact? Yes No		

3468 Rev. 8/6/01

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:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1000228. Samples arrived at the laboratory on Friday, August 04, 2006. The PO# for this group is 0015007062 and the release number is HUNTER.

Client Description	Lancaster Labs Number
QA Water Sample	4832372
MW-1 Grab Water Sample	4832373
MW-2 Grab Water Sample	4832374
MW-3 Grab Water Sample	4832375
MW-4 Grab Water Sample	4832376

ELECTRONIC COPY TO SAIC c/o Gettler-Ryan Attn: Cheryl Hansen

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
Lynn M Frederiksen at (717) 656-2300

Respectfully Submitted,

Elizabeth A. Smith
Senior Specialist

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 4832372

QA Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:08/02/2006

Submitted: 08/04/2006 09:35
Reported: 08/15/2006 at 13:14
Discard: 09/15/2006

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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.	48.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	08/08/2006 03:31	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	08/08/2006 03:31	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/08/2006 03:31	Martha L Seidel	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4832373

MW-1 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:08/02/2006 11:06 by BN

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 08/04/2006 09:35
Reported: 08/15/2006 at 13:14
Discard: 09/15/2006

STN01

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
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	260.	79.	ug/l	1
02096	Heavy Range Organics	n.a.	330.	98.	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	08/08/2006 11:08	Martha L Seidel	1
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	08/11/2006 02:54	Matthew E Barton	1
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	08/08/2006 11:08	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/08/2006 11:08	Martha L Seidel	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	08/10/2006 06:00	Tracy L Schickel	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4832374

MW-2 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:08/02/2006 10:33 by BN

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 08/04/2006 09:35
Reported: 08/15/2006 at 13:14
Discard: 09/15/2006

STN02

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	20.	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	1.6	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	2,000.	87.	ug/l	1
02096	Heavy Range Organics	n.a.	1,800.	110.	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	220.	48.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	08/08/2006 11:41	Martha L Seidel	1
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	08/11/2006 03:13	Matthew E Barton	1
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	08/08/2006 11:41	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/08/2006 11:41	Martha L Seidel	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	08/10/2006 06:00	Tracy L Schickel	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4832375

MW-3 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:08/02/2006 10:04 by BN

Account Number: 11260

Submitted: 08/04/2006 09:35
Reported: 08/15/2006 at 13:14
Discard: 09/15/2006

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

STN03

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
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	350.	79.	ug/l	1
02096	Heavy Range Organics	n.a.	380.	99.	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	08/08/2006 12:14	Martha L Seidel	1
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	08/11/2006 03:51	Matthew E Barton	1
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	08/08/2006 12:14	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/08/2006 12:14	Martha L Seidel	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	08/10/2006 06:00	Tracy L Schickel	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4832376

MW-4 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st Street NW - Stanwood, WA
Collected:08/02/2006 09:32 by BN

Account Number: 11260

Submitted: 08/04/2006 09:35
Reported: 08/15/2006 at 13:14
Discard: 09/15/2006

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

STN04

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	2.8	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	7,300.	820.	ug/l	10
02096	Heavy Range Organics	n.a.	1,000.	1,000.	ug/l	10
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	73.	48.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	08/08/2006 12:47	Martha L Seidel	1
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	08/14/2006 10:52	Matthew E Barton	10
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	08/08/2006 12:47	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/08/2006 12:47	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	2	08/08/2006 12:47	Martha L Seidel	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	08/10/2006 06:00	Tracy L Schickel	1

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Analysis Report

Quality Control Summary

Client Name: Chevron
Group Number: 1000228
Reported: 08/15/06 at 01:14 PM

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: 06219A51A	Sample number(s): 4832372-4832376							
TPH by NWTPH-Gx waters	N.D.	48.	ug/l	98	99	70-130	1	30
Benzene	N.D.	0.5	ug/l	88	86	86-119	3	30
Toluene	N.D.	0.5	ug/l	95	90	82-119	5	30
Ethylbenzene	N.D.	0.5	ug/l	98	93	81-119	5	30
Total Xylenes	N.D.	1.5	ug/l	102	97	82-120	5	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	97	94	82-124	4	30
Batch number: 062210019A	Sample number(s): 4832373-4832376							
Diesel Range Organics	N.D.	0.080	mg/l	76	78	51-113	2	20
Heavy Range Organics	N.D.	0.10	mg/l					

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 06219A51A	Sample number(s): 4832372-4832376 UNSPK: P832448, P832449								
TPH by NWTPH-Gx waters	100	100	63-154	0	30				
Benzene	98	95	78-131	3	20				
Toluene	99	100	78-129	1	30				
Ethylbenzene	101	104	75-133	3	30				
Total Xylenes	104	106	84-131	3	30				
Methyl tert-Butyl Ether	99	99	70-134	0	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX, MTBE
Batch number: 06219A51A

	Trifluorotoluene-P	Trifluorotoluene-F
4832372	99	85
4832373	95	84
4832374	103	89
4832375	95	86
4832376	96	85
Blank	98	84

*- 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

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Analysis Report

Quality Control Summary

Client Name: Chevron
Reported: 08/15/06 at 01:14 PM

Group Number: 1000228

Surrogate Quality Control

LCS	99	85
LCSD	99	84
MS	95	86
MSD	99	86
Limits:	69-129	63-135

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel
Batch number: 062210019A

	Orthoterphenyl
4832373	104
4832374	109
4832375	101
4832376	138
Blank	97
LCS	112
LCSD	112
Limits:	50-150

*- 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
Explanation of Symbols and Abbreviations

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

N.D.	none detected
TNTC	Too Numerous To Count
IU	International Units
umhos/cm	micromhos/cm
C	degrees Celsius
Cal	(diet) calories
meq	milliequivalents
g	gram(s)
ug	microgram(s)
ml	milliliter(s)
m3	cubic meter(s)

BMQL	Below Minimum Quantitation Level
MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units
NTU	nephelometric turbidity units
F	degrees Fahrenheit
lb.	pound(s)
kg	kilogram(s)
mg	milligram(s)
l	liter(s)
ul	microliter(s)
fib >5 um/ml	fibers greater than 5 microns in length per ml

< 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

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.

U.S. EPA 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 quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
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 amount 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.

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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FORMER CHEVRON SERVICE STATION
Site #305192
Stanwood, Washington

MONITORING & SAMPLING
EVENT OF OCTOBER 10, 2006

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #305192 Job Number: 387100
Site Address: 9816 271St Street Nw Event Date: 10-10-06 (inclusive)
City: Stanwood,WA Sampler: BWN

Well ID MW-1 Date Monitored: 10-10 Well Condition: OK
Well Diameter 1.5 in.
Total Depth 14.08 ft.
Depth to Water 2-55 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: Peristaltic

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
Other: Peristaltic

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): 1345 Weather Conditions: Sunny
Sample Time/Date: 1404 / 10-10 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)
1349	.5	6.48	442	15.2		
1354	1	6.43	436	15.1		
1400	1.5	6.42	431	15.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX/MTBE(8021)
MW-1	2 x ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #305192 Job Number: 387100
Site Address: 9816 271St Street Nw Event Date: 10-10-06 (inclusive)
City: Stanwood,WA Sampler: BWN

Well ID MW-2 Date Monitored: 10-10 Well Condition: ok
Well Diameter 1.5 in.
Total Depth 14.21 ft.
Depth to Water 3.64 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: Peristaltic

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
Other: Peristaltic

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): 1243 Weather Conditions: Sunny
Sample Time/Date: 1302 / 10-10 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)
1248	.5	6.47	438	15.1		
1253	1	6.46	433	14.9		
1258	1.5	6.43	429	14.8		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX/MTBE(8021)
MW-2	2 x ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #305192 Job Number: 387100
Site Address: 9816 271St Street Nw Event Date: 10-10-06 (inclusive)
City: Stanwood,WA Sampler: BWN

Well ID MW-3 Date Monitored: 10-10 Well Condition: ok
Well Diameter 1.5 in.
Total Depth 13.65 ft.
Depth to Water 2.75 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: Peristaltic

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
Other: Peristaltic

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): 1314 Weather Conditions: Sunny
Sample Time/Date: 1333 / 10-10 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)
1319	.5	6.47	437	15.1		
1324	1	6.46	431	15.0		
1329	1.5	6.42	429	14.8		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX/MTBE(8021)
MW-3	2 x ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #305192 Job Number: 387100
Site Address: 9816 271St Street Nw Event Date: 10-10-06 (inclusive)
City: Stanwood,WA Sampler: BWN

Well ID MW-4 Date Monitored: 10-10 Well Condition: OK
Well Diameter 1.5 in.
Total Depth 13.83 ft.
Depth to Water 4.28 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: Peristaltic

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
Other: Peristaltic

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): 1408 Weather Conditions: Sunny
Sample Time/Date: 1437 / 10-10 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)
1413	.5	6.47	430	15.1		
1418	1	6.42	426	15.0		
1425	1.5	6.43	421	14.9		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX/MTBE(8021)
↓	2 x ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

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. #: 11216D Sample #: 4389762-66 SCR#: 1009894

Analyses Requested

Preservation Codes

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

Facility #: SS#305192-OML G-R#387100
Site Address: 9816 271st Street NW, STANWOOD, WA
Chevron PM: BH Lead Consultant: SAICPC
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grdinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: Ben Newton
Service Order #: ☐ Non SAR:

☐ 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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8021 ☒ 8260 ☐ Naphth ☐	8260 full scan	Oxygenates	TPH G	TPH D ☒ Extended Rng. ☒ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method	VPH/EPH	NWTPH H HCID ☐ quantification
QA	10-10-06	—	X			X		2	X			X				
MW-1		1404	X			X		5	X			X	X			
MW-2		1302	X			X		5	X			X	X			
MW-3		1333	X			X		5	X			X	X			
MW-4		1437	X			X		5	X			X	X			

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) **EDF/EDD**
QC Summary | Type I - Full
Type VI (Raw Data) | Disk / EDD
WIP (RWQCB) | Standard Format
Disk | ____ Other

	Date	Time		Date	Time
Relinquished by: Ben Newton	10-13-06	1402	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	10/14/06	0800

Temperature Upon Receipt 25.5 C°
Custody Seals Intact? Yes No

3468 Rev. 8/8/01

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.

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:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1009894. Samples arrived at the laboratory on Saturday, October 14, 2006. The PO# for this group is 0015007062 and the release number is HUNTER.

Client Description	Lancaster Labs Number
QA Water Sample	4889762
MW-1 Grab Water Sample	4889763
MW-2 Grab Water Sample	4889764
MW-3 Grab Water Sample	4889765
MW-4 Grab Water Sample	4889766

ELECTRONIC COPY TO SAIC c/o Gettler-Ryan Attn: Cheryl Hansen

Lancaster Laboratories

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Analysis Report

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

Respectfully Submitted,

Elizabeth A. Smith
Senior Specialist

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 4889762

QA Water Sample
Facility# 305192 Job# 387100
9816 271st St NW-Stanwood, WA
Collected:10/10/2006

Submitted: 10/14/2006 10:10
Reported: 10/26/2006 at 14:38
Discard: 11/26/2006

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

STNQA

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.	48.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	10/17/2006 14:12	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	10/17/2006 14:12	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/17/2006 14:12	Martha L Seidel	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4889763

MW-1 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st St NW-Stanwood, WA
Collected:10/10/2006 14:04 by BN

Account Number: 11260

Submitted: 10/14/2006 10:10
Reported: 10/26/2006 at 14:38
Discard: 11/26/2006

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

STNM1

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
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	150.	81.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	100.	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	10/17/2006 15:50	Martha L Seidel	1
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	10/23/2006 23:41	Robert I Pusch	1
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	10/17/2006 15:50	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/17/2006 15:50	Martha L Seidel	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	10/17/2006 11:00	Mariam G Attalla	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4889764

MW-2 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st St NW-Stanwood, WA
Collected:10/10/2006 13:02 by BN

Account Number: 11260

Submitted: 10/14/2006 10:10
Reported: 10/26/2006 at 14:38
Discard: 11/26/2006

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

STNM2

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	16.	2.5	ug/l	5
02164	Toluene	108-88-3	N.D.	2.5	ug/l	5
02166	Ethylbenzene	100-41-4	N.D.	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	N.D.	7.5	ug/l	5
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	13.	ug/l	5
	Due to excessive foaming of the sample, normal reporting limits were not attained.					
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	1,400.	82.	ug/l	1
02096	Heavy Range Organics	n.a.	790.	100.	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	240.	ug/l	5
	Due to excessive foaming of the sample, normal reporting limits were not attained.					

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	10/18/2006 09:30	Martha L Seidel	5
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	10/24/2006 00:00	Robert I Pusch	1
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	10/18/2006 09:30	Martha L Seidel	5
01146	GC VOA Water Prep	SW-846 5030B	1	10/18/2006 09:30	Martha L Seidel	5
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	10/17/2006 11:00	Mariam G Attalla	1

Lancaster Laboratories Sample No. WW 4889764

MW-2 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st St NW-Stanwood, WA
Collected:10/10/2006 13:02 by BN

Submitted: 10/14/2006 10:10
Reported: 10/26/2006 at 14:38
Discard: 11/26/2006

STNM2

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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Analysis Report

Lancaster Laboratories Sample No. WW 4889765

MW-3 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st St NW-Stanwood, WA
Collected:10/10/2006 13:33 by BN

Submitted: 10/14/2006 10:10
Reported: 10/26/2006 at 14:38
Discard: 11/26/2006

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

STNM3

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
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	310.	77.	ug/l	1
02096	Heavy Range Organics	n.a.	140.	97.	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	10/17/2006 16:55	Martha L Seidel	1
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	10/24/2006 00:19	Robert I Pusch	1
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	10/17/2006 16:55	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/17/2006 16:55	Martha L Seidel	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	10/17/2006 11:00	Mariam G Attalla	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4889766

MW-4 Grab Water Sample
Facility# 305192 Job# 387100
9816 271st St NW-Stanwood, WA
Collected:10/10/2006 14:37 by BN

Account Number: 11260

Submitted: 10/14/2006 10:10
Reported: 10/26/2006 at 14:38
Discard: 11/26/2006

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

STNM4

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
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	7,900.	410.	ug/l	5
02096	Heavy Range Organics	n.a.	2,200.	510.	ug/l	5
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02159	BTEX, MTBE	SW-846 8021B	1	10/17/2006 17:32	Martha L Seidel	1
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	10/24/2006 22:07	Robert I Pusch	5
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	10/17/2006 17:32	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/17/2006 17:32	Martha L Seidel	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	10/17/2006 11:00	Mariam G Attalla	1

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Analysis Report

Quality Control Summary

Client Name: Chevron
Reported: 10/26/06 at 02:39 PM

Group Number: 1009894

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: 062890013A	Sample number(s): 4889763-4889766							
Diesel Range Organics	N.D.	0.080	mg/l	84	85	51-113	1	20
Heavy Range Organics	N.D.	0.10	mg/l					
Batch number: 06290A07A	Sample number(s): 4889762-4889766							
TPH by NWTPH-Gx waters	N.D.	48.	ug/l	93	93	70-130	0	30
Benzene	N.D.	0.5	ug/l	98	103	86-119	4	30
Toluene	N.D.	0.5	ug/l	94	98	82-119	5	30
Ethylbenzene	N.D.	0.5	ug/l	97	101	81-119	5	30
Total Xylenes	N.D.	1.5	ug/l	95	100	82-120	5	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	89	94	82-124	6	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 06290A07A	Sample number(s): 4889762-4889766 UNSPK: P889768, P889769								
TPH by NWTPH-Gx waters	64		63-154						
Benzene	108		78-131						
Toluene	105		78-129						
Ethylbenzene	107		75-133						
Total Xylenes	105		84-131						
Methyl tert-Butyl Ether	102		70-134						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel
Batch number: 062890013A

	Orthoterphenyl
4889763	92
4889764	95
4889765	97
4889766	78
Blank	96
LCS	114

*- 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.

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Analysis Report

Quality Control Summary

Client Name: Chevron
Reported: 10/26/06 at 02:39 PM

Group Number: 1009894

Surrogate Quality Control

LCSD	102	
Limits:	50-150	

Analysis Name: BTEX, MTBE
Batch number: 06290A07A

	Trifluorotoluene-P	Trifluorotoluene-F
4889762	108	97
4889763	109	98
4889764	108	97
4889765	108	97
4889766	112	96
Blank	111	96
LCS	110	106
LCSD	110	106
MS	114	101
Limits:	69-129	63-135

*- 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
Explanation of Symbols and Abbreviations

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

N.D.	none detected
TNTC	Too Numerous To Count
IU	International Units
umhos/cm	micromhos/cm
C	degrees Celsius
Cal	(diet) calories
meq	milliequivalents
g	gram(s)
ug	microgram(s)
ml	milliliter(s)
m3	cubic meter(s)
BMQL	Below Minimum Quantitation Level
MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units
NTU	nephelometric turbidity units
F	degrees Fahrenheit
lb.	pound(s)
kg	kilogram(s)
mg	milligram(s)
l	liter(s)
ul	microliter(s)
fib >5 um/ml	fibers greater than 5 microns in length per ml

< 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

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.

U.S. EPA 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 quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
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 amount 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

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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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