



GETTLER-RYAN INC.

TRANSMITTAL

LUST 5830'19 # Seattle Housing Authority maint. Parking Lot
SIT 2.3.1

January 24, 2002
G-R #386750

TO: Mr. Matt Miller
Delta Environmental Consultants, Inc.
1200-112th Avenue N. E., Suite C-146,
Bellevue, Washington 98004-3769

RECEIVED

FEB 19 2002

DEPT OF ECOLOGY

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

RE: Former Chevron Service Station
#209335
1225 North 45th Street
Seattle, Washington

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	January 15, 2002	Groundwater Monitoring and Sampling Report Event of June 25, 2001 Event of September 24, 2001 Event of December 13, 2001

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 *February 8, 2002*. at which time the final report will be distributed to the following:

cc: Mr. Brett Hunter, Chevron Products Company, P.O. Box 6004, San Ramon, CA 94583
Mr. John Wietfeld, WDOE Northwest Region, 3190 160th Avenue S.E., Bellevue, WA 98008
Mr. Larry Hard, Seattle Housing Authority, 120 Sixth Avenue North, Seattle, WA 98109-5003

Current Site Check List included.

CM
ENTERED
2/2/02

Enclosure

trans/209335-BH



GETTLER-RYAN INC.

January 15, 2002
Job #386750

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

RE: Event of June 25, 2001
Event of September 24, 2001
Event of December 13, 2001
Groundwater Monitoring & Sampling Report
Former Chevron Service Station #209335
1225 North 45th Street
Seattle, 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 present in one well (MW-5). 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, 3 and 5.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). Purge water was treated by filtration through granular activated carbon and was subsequently discharged. The field data sheets are attached. The samples were analyzed by a certified laboratory. Analytical results are presented in Table 1 and Concentration Maps are included as Figures 2, 4 and 6. 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.

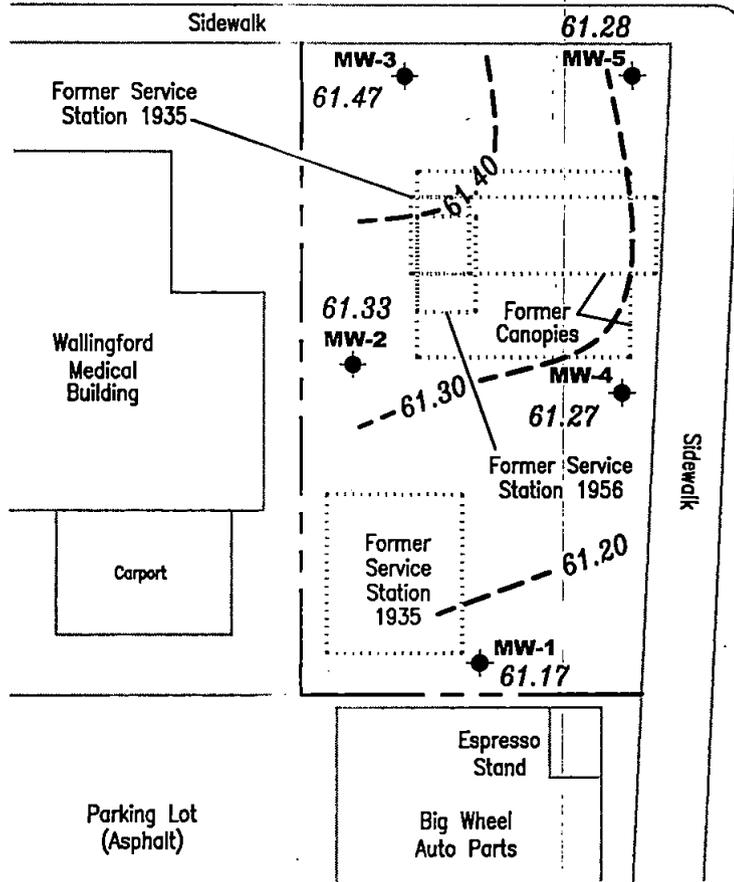
Sincerely,

Deanna L. Harding
Project Coordinator

Hagop Kevork
Professional Engineer

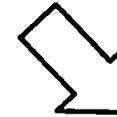
Figure 1: Potentiometric Map - June 25, 2001
Figure 2: Concentration Map - June 25, 2001
Figure 3: Potentiometric Map - September 24, 2001
Figure 4: Concentration Map - September 24, 2001
Figure 5: Potentiometric Map - December 13, 2001
Figure 6: Concentration Map - December 13, 2001
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Separate Phase Hydrocarbon Thickness/Removal Data
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

NORTH 45TH STREET

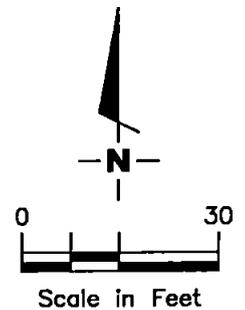


EXPLANATION

- ◆ Groundwater monitoring well
- 99.99 Groundwater elevation in feet referenced to an arbitrary datum
- - 99.99 - - Groundwater elevation contour, dashed where inferred.



Approximate groundwater flow direction at a gradient of 0.003 to 0.005 Ft./Ft.



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

GR GETTLER - RYAN INC.
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 Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
 Former Chevron Service Station #209335
 1225 North 45th Street
 Seattle, Washington

FIGURE
1

PROJECT NUMBER
386750

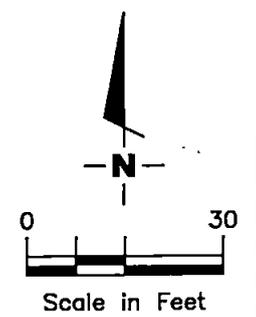
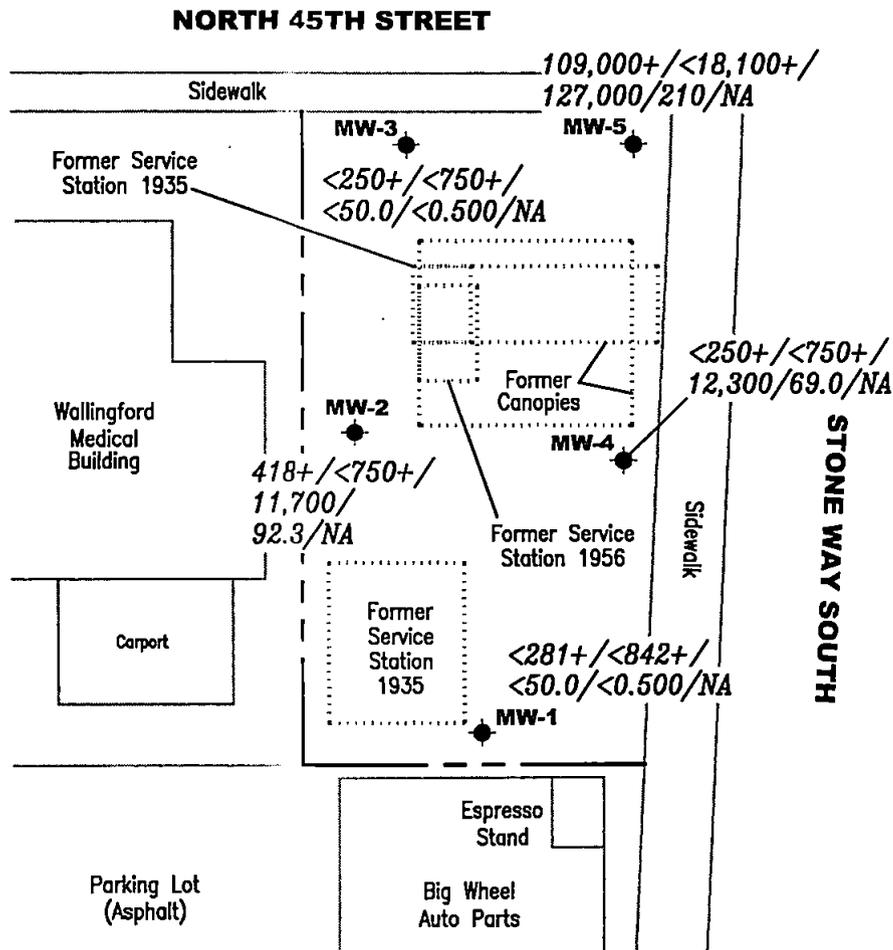
REVIEWED BY

DATE
 June 25, 2001

REVISED DATE

EXPLANATION

- ◆ Groundwater monitoring well
- A/B/C/
D/E Total Petroleum Hydrocarbons (TPH) as Diesel/TPH as Oil/TPH as Gasoline/Benzene/MTBE concentrations in ppb
- NA Not Analyzed
- + w/silica gel clean up



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

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CONCENTRATION MAP
 Former Chevron Service Station #209335
 1225 North 45th Street
 Seattle, Washington

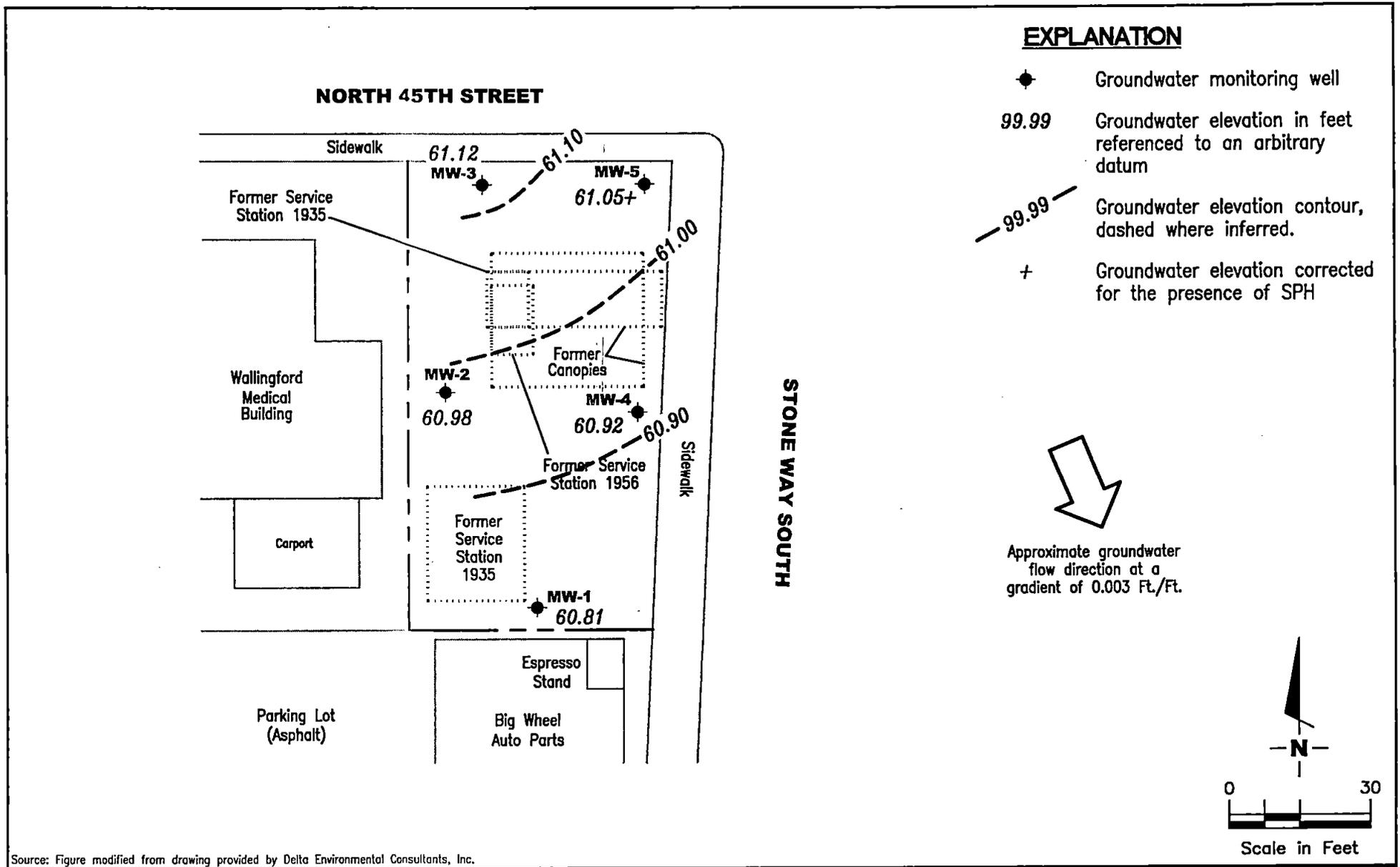
FIGURE
2

PROJECT NUMBER
386750

REVIEWED BY

DATE
 June 25, 2001

REVISED DATE



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POTENTIOMETRIC MAP
 Former Chevron Service Station #209335
 1225 North 45th Street
 Seattle, Washington

FIGURE
3

PROJECT NUMBER
386750

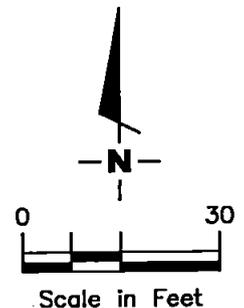
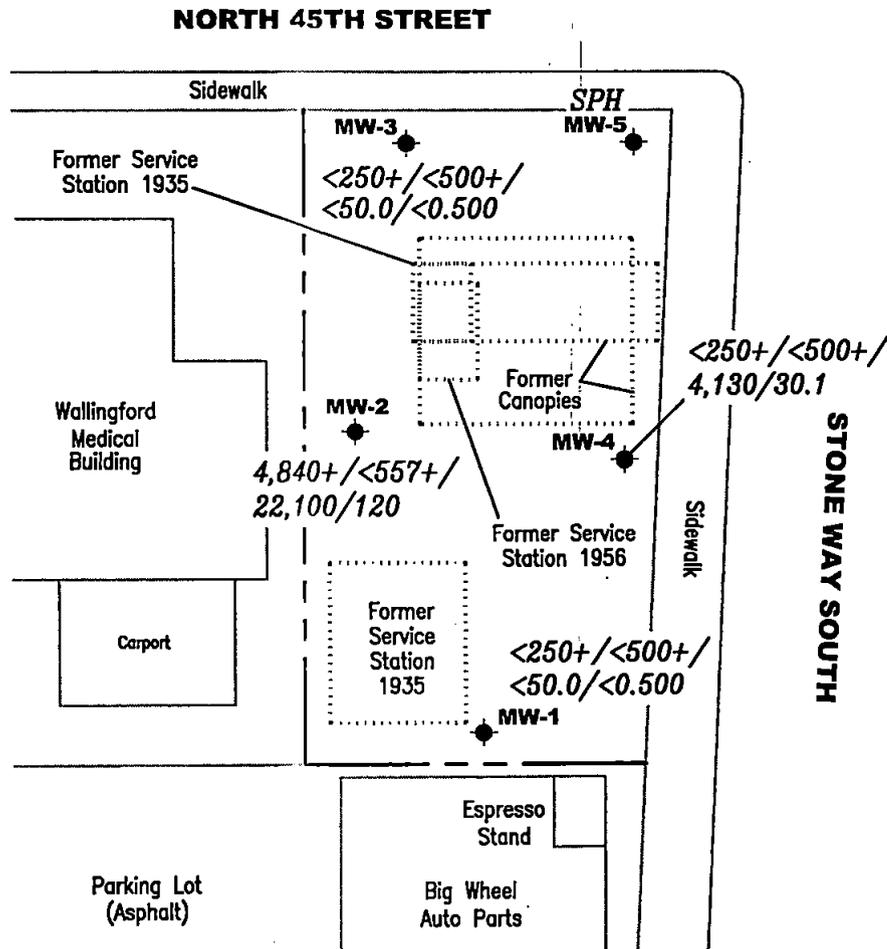
REVIEWED BY

DATE
 September 24, 2001

REVISED DATE

EXPLANATION

- ◆ Groundwater monitoring well
- A/B/
C/D Total Petroleum Hydrocarbons (TPH) as Diesel/TPH as Oil/TPH as Gasoline/Benzene concentrations in ppb
- + w/silica gel clean up
- SPH Separate Phase Hydrocarbons



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

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CONCENTRATION MAP
 Former Chevron Service Station #209335
 1225 North 45th Street
 Seattle, Washington

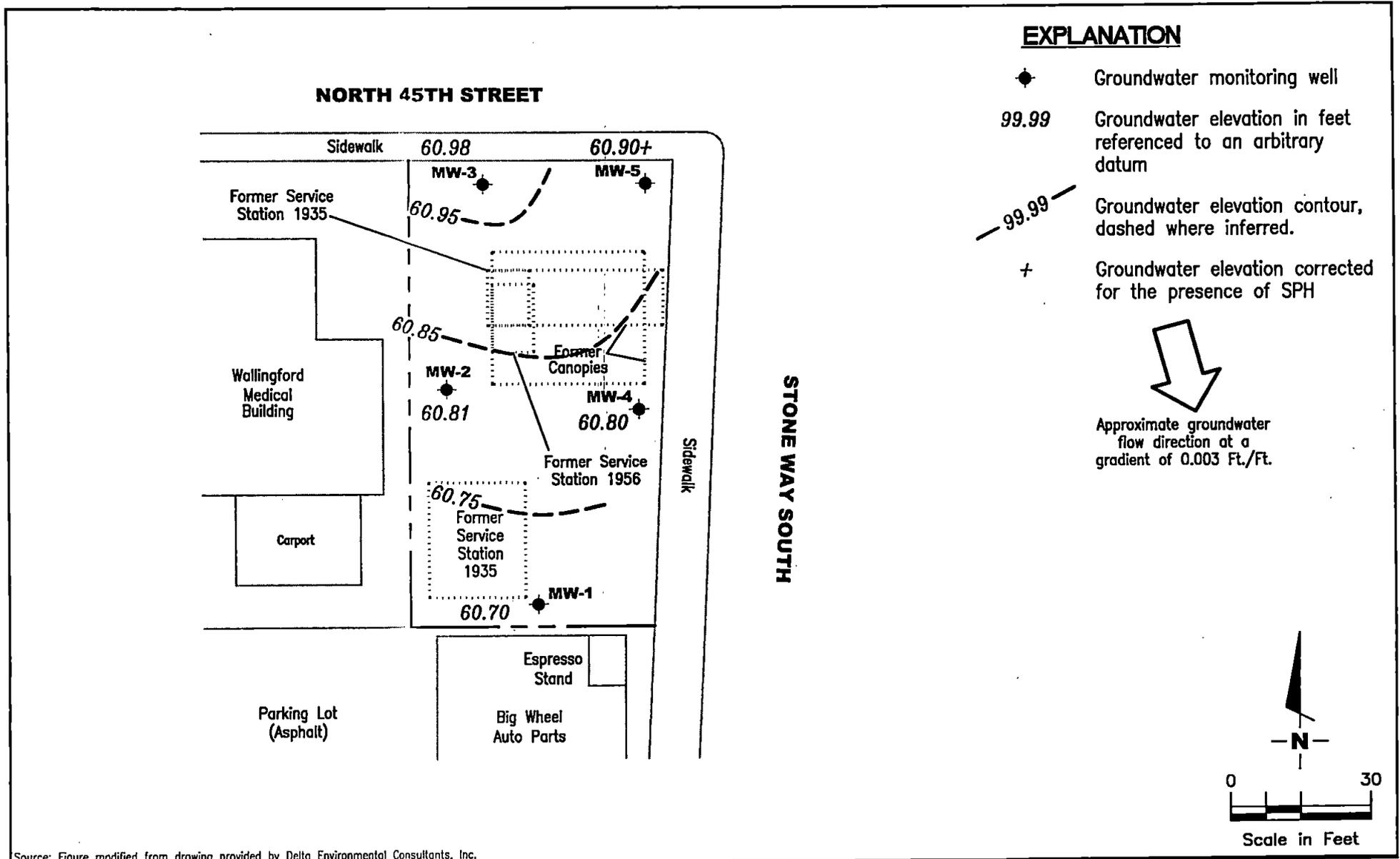
FIGURE
4

PROJECT NUMBER
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REVIEWED BY

DATE
 September 24, 2001

REVISED DATE



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POTENTIOMETRIC MAP
 Former Chevron Service Station #209335
 1225 North 45th Street
 Seattle, Washington

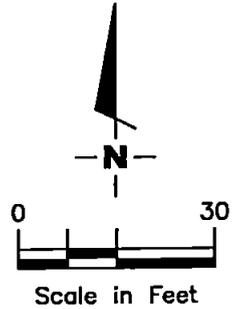
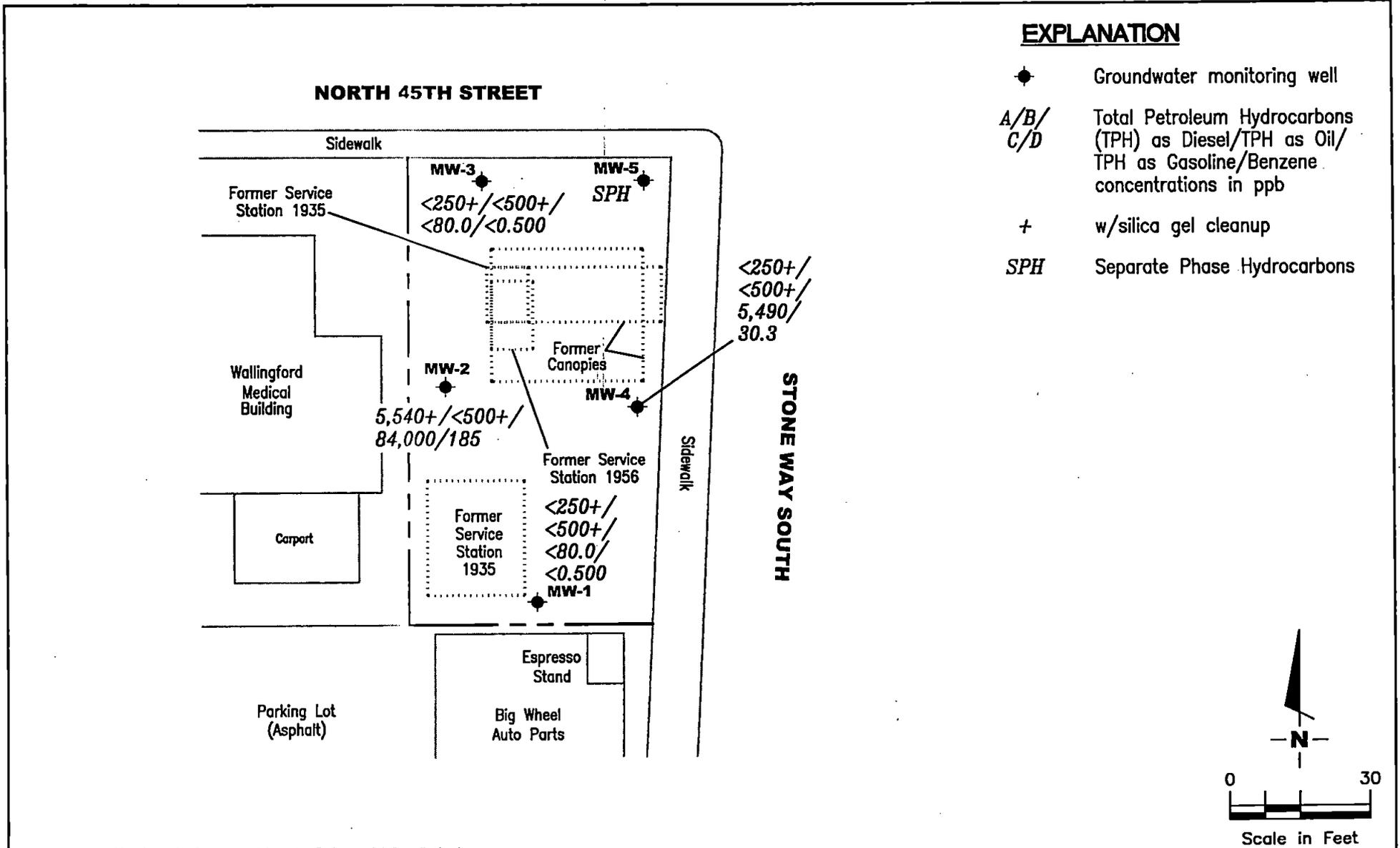
FIGURE
5

PROJECT NUMBER
386750

REVIEWED BY

DATE
 December 13, 2001

REVISED DATE



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

GETTLER - RYAN INC.
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 Dublin, CA 94568 (925) 551-7555

CONCENTRATION MAP
 Former Chevron Service Station #209335
 1225 North 45th Street
 Seattle, Washington

FIGURE
6

PROJECT NUMBER
386750

REVIEWED BY

DATE
 December 13, 2001

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station # 209335
1225 North 45th Street
Seattle, Washington

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-O (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	D. Lead (ppm)
MW-1													
97.95	10/11/00 ¹	34.50	63.45	--	--	--	--	--	--	--	--	--	--
	12/16/00	35.91	62.04	0.00	ND ^{2,3}	ND ^{2,3}	74.4	ND	ND	ND	ND	ND	ND ⁴
	03/26/01	36.54	61.41	0.00	ND ³	ND ³	ND	ND	ND	ND	ND	ND	--
	06/25/01	36.78	61.17	0.00	<281 ³	<842 ³	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
	09/24/01	37.14	60.81	0.00	<250 ^{3,8}	<500 ^{3,8}	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
	12/13/01	37.25	60.70	0.00	<250 ³	<500 ³	<80.0	<0.500	<0.500	<0.500	<1.00	--	--
MW-2													
98.70	10/11/00 ¹	34.50	64.20	--	--	--	--	--	--	--	--	--	--
	12/16/00	36.46	62.24	0.00	1,000 ³	ND ³	28,100	283	2,560	693	4,020	ND ²	0.00194 ⁴
	03/26/01	37.12	61.58	0.00	1,180 ^{3,5}	ND ³	17,000	143	1,450	378	2,180	² ND/ND ⁶	--
	06/25/01	37.37	61.33	0.00	418 ^{3,5}	<750 ³	11,700	92.3	547	181	1,010	--	--
	09/24/01	37.72	60.98	0.00	4,840 ^{3,7,8}	<557 ^{3,8}	22,100	120	1,380	658	4,100	--	--
	12/13/01	37.89	60.81	0.00	5,540 ^{3,5}	<500 ³	84,000	185	3,960	1,590	9,950	--	--
MW-3													
98.76	10/11/00 ¹	34.00	64.76	--	--	--	--	--	--	--	--	--	--
	12/16/00	36.39	62.37	0.00	ND ³	ND ³	ND	ND	0.612	ND	1.95	ND	ND ⁴
	03/26/01	37.05	61.71	0.00	ND ³	ND ³	ND	ND	ND	ND	ND	ND	--
	06/25/01	37.29	61.47	0.00	<250 ³	<750 ³	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
	09/24/01	37.64	61.12	0.00	<250 ^{3,8}	<500 ^{3,8}	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
	12/13/01	37.78	60.98	0.00	<250 ³	<500 ³	<80.0	<0.500	<0.500	<0.500	<1.00	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station # 209335
1225 North 45th Street
Seattle, Washington

WELL ID/ IOC* (ft.)	DATE	DTW (ft.)	GWE (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-O (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	D. Lead (ppm)	
MW-4														
98.52	10/11/00 ¹	35.00	63.52	--	--	--	--	--	--	--	--	--	--	
	12/16/00	36.35	62.17	0.00	ND ^{2,3}	ND ^{2,3}	58,200	326	5,520	1,430	8,520	ND ²	0.0123 ⁴	
	03/26/01	37.00	61.52	0.00	266 ^{3,5}	ND ³	27,200	178	2,160	785	4,160	² ND/ND ⁶	--	
	06/25/01	37.25	61.27	0.00	<250 ³	<750 ³	12,300	69.0	654	416	1,910	--	--	
	09/24/01	37.60	60.92	0.00	<250 ^{3,8}	<500 ^{3,8}	4,130	30.1	154	197	684	--	--	
	12/13/01	37.72	60.80	0.00	<250 ³	<500 ³	5,490	30.3	175	177	679	--	--	
MW-5														
99.42	10/11/00 ¹	34.50	64.92	--	--	--	--	--	--	--	--	--	--	
	12/16/00	37.18	62.24	0.00	5,080 ³	ND ³	146,000	ND ²	15,100	4,160	24,100	ND ²	0.0200 ⁴	
	03/26/01	37.91	61.51	0.00	77,900 ^{3,5}	ND ³	149,000	256	10,600	4,000	24,200	² ND/ND ⁶	--	
	06/25/01	38.14	61.28	0.00	109,000 ³	<18,100 ³	127,000	210	9,580	3,730	21,500	--	--	
	09/24/01	38.40	61.05**	0.04	NOT SAMPLED DUE TO THE PRESENCE OF SPH						--	--	--	--
	12/13/01	38.55	60.90**	0.04	NOT SAMPLED DUE TO THE PRESENCE OF SPH						--	--	--	--
Trip Blank														
TB-LB	12/16/00	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	
	03/26/01	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	
	06/25/01	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	
	09/24/01	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	
	12/13/01	--	--	--	--	--	<80.0	<0.500	<0.500	<0.500	<1.00	--	--	

	TPH-D	TPH-O	TPH-G	B	T	E	X	MTBE	D. Lead
Standard Laboratory Reporting Limits:	250	750	50.0	0.500	0.500	0.500	1.00	--	0.00100
MTCA Method A Cleanup Levels:	1,000	1,000	1,000	5.0	40	30	20	--	--
Current Method:	WTPH-D + Extended			NWTPH-G and EPA 8021					EPA 6020

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station # 209335
1225 North 45th Street
Seattle, Washington

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to December 16, 2000, were compiled from reports prepared by Delta Environmental Consultants Inc.

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

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

** Groundwater elevation corrected for the presence of SPH; correction factor = [(TOC - DTW) + (SPHT x 0.80)]

¹ Data provided by Delta Environmental Consultants, Inc.

² Detection limit raised. Refer to analytical reports.

³ TPH-D and TPH-O with silica-gel cleanup.

⁴ Filtered at the laboratory.

⁵ Laboratory report indicates results in the diesel organics range are primarily due to overlap from a gasoline range product.

⁶ MTBE by EPA Method 8260.

⁷ Laboratory report indicates the sample chromatographic pattern does not resemble the fuel standard used for quantitation.

⁸ Laboratory report indicates the sample was prepared outside of the method established holding time.

Table 2
Separate Phase Hydrocarbon Thickness/Removal Data
Former Chevron Service Station #209335
1225 North 45th Street
Seattle, Washington

WELL ID	DATE	DTW (ft.)	SPH THICKNESS (ft.)	AMOUNT BAILED (SPH + WATER) (gallons)
MW-5	09/24/01	38.40	0.04	0.00
	12/13/01	38.55	0.04	0.00

EXPLANATIONS:

DTW = Depth to Water

(ft.) = Feet

SPH = Separate Phase Hydrocarbons

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize. Purge water is treated by filtering the water through granular activated carbon and is subsequently discharged to the ground surface at the site.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used for all samples. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

FORMER CHEVRON SERVICE STATION #209335
Seattle, Washington

MONITORING & SAMPLING
EVENT OF JUNE 25, 2001

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility: Farmer Chem Wash #209335 Job#: 386750
 Address: 1225 North 45th St Date: 6-25-07
 City: Seattle, WA Sampler: BWN

Well ID: MW 1 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)
 Total Depth: 38.85 ft.
 Depth to Water: 36.78 ft.

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

2.07 x VF .17 = .35 X 3 (case volume) = Estimated Purge Volume: 1 (gal.)

Purge Equipment: Disposable Bailer Sampling Equipment: Disposable Bailer
Bailer Bailer
Stack Pressure Bailer
Suction Grab Sample
Grundfos Other: _____
Other: _____

Starting Time: 16:00 Weather Conditions: Sunny
 Sampling Time: 16:10 Water Color: tan Odor: no
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>16:25</u>	<u>1</u>	<u>6.91</u>	<u>207</u>	<u>19.9</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW 1</u>	<u>3 VAAVIAL</u>	<u>Y</u>	<u>HL</u>	<u>NCA</u>	<u>Gas/BTEX</u>
<u>MW 1</u>	<u>1 Amber L</u>		<u>↓</u>	<u>↓</u>	<u>TPH/PAH + Ext w/SG</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility: Farmer Chem #209335 Job#: 386750
 Address: 1225 North 45th St Date: 6-25-01
 City: Seattle, WA Sampler: BWN

Well ID: MW 2 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)
 Total Depth: 41.62 ft.
 Depth to Water: 37.37 ft.

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

4.25 x VF .17 = .7 X 3 (case volume) = Estimated Purge Volume: 2 (gal.)

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

Sampling Equipment: Disposable Bailer
 Bailer
 Pressure Bailer
 Grab Sample
 Other: _____

Starting Time: 16:20 Weather Conditions: Sunny
 Sampling Time: 16:40 Water Color: gray Odor: yes
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>16:27</u>	<u>1</u>	<u>6.83</u>	<u>196</u>	<u>20.2</u>			
<u>16:33</u>	<u>2</u>	<u>6.76</u>	<u>193</u>	<u>20.0</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW 2</u>	<u>3 VOAMIAL</u>	<u>Y</u>	<u>HCl</u>	<u>NCA</u>	<u>Gas/BTEX</u>
<u>MW 2</u>	<u>1 Amber 2</u>		<u>↓</u>	<u>↓</u>	<u>TPH/2D+EA w/SG</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility: Farmer Chevron #209335 Job#: 386750
 Address: 1225 North 45th St Date: 6-25-01
 City: Seattle, WA Sampler: BWN

Well ID: MW3 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
 Total Depth: 41.80 ft.
 Depth to Water: 37.29 ft.

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

4.51 X VF .17 = .76 X 3 (case volume) = Estimated Purge Volume: 2 (gal.)

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

Sampling Equipment: Disposable Bailer
 Bailer
 Pressure Bailer
 Grab Sample
 Other: _____

Starting Time: 16:50 Weather Conditions: Sunny
 Sampling Time: 17:05 Water Color: tan Odor: no
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>16:55</u>	<u>1</u>	<u>6.89</u>	<u>206</u>	<u>20.0</u>			
<u>17:00</u>	<u>2</u>	<u>6.91</u>	<u>203</u>	<u>19.6</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW3</u>	<u>3 VERTICAL</u>	<u>Y</u>	<u>ALI</u>	<u>NCA</u>	<u>Gas/BTEX</u>
<u>MW3</u>	<u>1 Amber L</u>		<u>↓</u>	<u>↓</u>	<u>TPH(A)+Ext W/SG</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility: Farmer Chevron #209335 Job#: 386750
 Address: 1225 North 45th St Date: 6-25-01
 City: Seattle, WA Sampler: BWN

Well ID: MW 4 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)
 Total Depth: 41.60 ft. Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
 Depth to Water: 37.25 ft. 6" = 1.50 12" = 5.80
4.35 x VF .17 = .7 X 3 (case volume) = Estimated Purge Volume: 2 (gal.)

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

Sampling Equipment: Disposable Bailer
 Bailer
 Pressure Bailer
 Grab Sample
 Other: _____

Starting Time: 17:15 Weather Conditions: Sunny
 Sampling Time: 17:30 Water Color: gray Odor: yes
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>17:20</u>	<u>1</u>	<u>6.86</u>	<u>371</u>	<u>18.9</u>			
<u>17:28</u>	<u>2</u>	<u>6.87</u>	<u>362</u>	<u>18.6</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW 4</u>	<u>3 VORTEAL</u>	<u>Y</u>	<u>ACU</u>	<u>NZA</u>	<u>GAS/STER</u>
<u>MW 4</u>	<u>1 Amber 2</u>		<u>↓</u>	<u>↓</u>	<u>TPH(LD)+EPA W/36</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility: Farmer Chem #209335 Job#: 386750
 Address: 1225 North 45th St Date: 6-25-01
 City: Seattle, WA Sampler: BWN

Well ID: MW 5 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)
 Total Depth: 39.21 ft.
 Depth to Water: 38.14 ft.

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

1.07 x VF .17 = .18 x 3 (case volume) = Estimated Purge Volume: .5 (gal.)

Purge Equipment: Disposable Bailer
 Bailer
 Stack
 Suction
 Grundfos
 Other: _____
 Sampling Equipment: Disposable Bailer
 Bailer
 Pressure Bailer
 Grab Sample
 Other: _____

Starting Time: 17:40 Weather Conditions: sunny
 Sampling Time: 17:50 Water Color: gray Odor: gas
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>17:45</u>	<u>.5</u>	<u>7.33</u>	<u>687</u>	<u>20.1</u>			

LABORATORY INFORMATION					ANALYSES
SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	
<u>MW 5</u>	<u>3 VOXIAL</u>	<u>Y</u>	<u>HCl</u>	<u>NCA</u>	<u>Gas/BTEX</u>
<u>MW 6</u>	<u>1 Amber L</u>		<u>↓</u>	<u>↓</u>	<u>TPH (DI) + Expt W/S</u>

COMMENTS: _____

fax copy of Lab Report and COC to Chevron Contact: No B1F0675 Chain-of-Custody-Report

Chevron Products Co.
P.O. BOX 6004
Pomona, CA 94583
Tel (925)842-8370

Chevron Facility Number #20-9335
Facility Address 1225 N. 45TH ST., SEATTLE, WA
Consultant Project Number 386750
Consultant Name Gettler-Ryan Inc
Address 6747 Sierra Court, Suite G, Dublin, CA 94568
Project Contact (Name) Deanna L. Harding
(Phone) 925-551-7555 (Fax Number) 925-551-7899

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

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	State Method: <input type="checkbox"/> CA <input type="checkbox"/> OR <input checked="" type="checkbox"/> WA <input type="checkbox"/> NW Series <input type="checkbox"/> CO <input type="checkbox"/> UT													Remarks
					BTEX/MTBE/TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Organics (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5520)	Metals (Cd, Cr, Pb, Zn, Ni) (CAP or AA)	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HClD	TPH-D Extended w/ silica gel	
TS LB	1	W	HCl	6:25:01		X												B1F0675-01
MW 1	4			16:10		X												-02
MW 2	4			16:40		X												-03
MW 3	4			17:05		X												-04
MW 4	4			17:30		X												-05
MW 5	4			17:50		X												-06
Samples were not @ 2-6C Upon Receipt																		

Relinquished By (Signature) <u>Ben Newton</u>	Organization <u>GR Inc</u>	Date/Time <u>6-26-01 10:30</u>	Received By (Signature)	Organization	Date/Time	Iced Y/N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days 7-6 w/o As Contracted
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>Deanna L. Harding</u>	Organization	Date/Time <u>6/26/01</u>	Iced <u>Y/N</u>	



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Gettler-Ryan Inc. - Dublin
6747 Sierra Court Suite G
Dublin CA, 94568

Project: Chevron #20-9335
Project Number: 386750
Project Manager: Deanna Harding

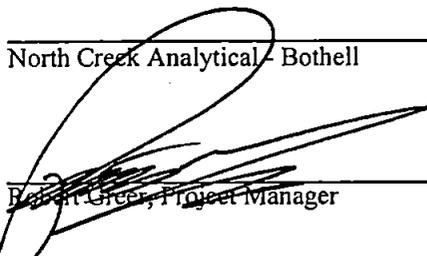
Reported:
07/16/01 16:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB LB	B1F0675-01	Water	06/25/01 12:00	06/26/01 10:30
MW 1	B1F0675-02	Water	06/25/01 16:10	06/26/01 10:30
MW 2	B1F0675-03	Water	06/25/01 16:40	06/26/01 10:30
MW 3	B1F0675-04	Water	06/25/01 17:05	06/26/01 10:30
MW 4	B1F0675-05	Water	06/25/01 17:30	06/26/01 10:30
MW 5	B1F0675-06	Water	06/25/01 17:50	06/26/01 10:30

North Creek Analytical - Bothell

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Gettler-Ryan Inc. - Dublin
 6747 Sierra Court Suite G
 Dublin CA, 94568

Project: Chevron #20-9335
 Project Number: 386750
 Project Manager: Deanna Harding

Reported:
 07/16/01 16:01

**Diesel Hydrocarbons (C12-C24) and Heavy Oil (C24-C36 by WTPH-D (extended) with Silica Gel Clean-up
 North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 1 (B1F0675-02) Water Sampled: 06/25/01 16:10 Received: 06/26/01 10:30									
Diesel Range Hydrocarbons	ND	0.281	mg/l	1	1F29011	06/29/01	07/13/01	WTPH-D	
Heavy Oil Range Hydrocarbons	ND	0.842	"	"	"	"	"	"	
Surrogate: 2-FBP	73.0 %	50-150			"	"	"	"	
Surrogate: Octacosane	69.9 %	50-150			"	"	"	"	
MW 2 (B1F0675-03) Water Sampled: 06/25/01 16:40 Received: 06/26/01 10:30									
Diesel Range Hydrocarbons	0.418	0.250	mg/l	1	1F29011	06/29/01	07/13/01	WTPH-D	D-08
Heavy Oil Range Hydrocarbons	ND	0.750	"	"	"	"	"	"	
Surrogate: 2-FBP	65.1 %	50-150			"	"	"	"	
Surrogate: Octacosane	66.4 %	50-150			"	"	"	"	
MW 3 (B1F0675-04) Water Sampled: 06/25/01 17:05 Received: 06/26/01 10:30									
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	1F29011	06/29/01	07/13/01	WTPH-D	
Heavy Oil Range Hydrocarbons	ND	0.750	"	"	"	"	"	"	
Surrogate: 2-FBP	69.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	65.2 %	50-150			"	"	"	"	
MW 4 (B1F0675-05) Water Sampled: 06/25/01 17:30 Received: 06/26/01 10:30									
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	1F29011	06/29/01	07/13/01	WTPH-D	
Heavy Oil Range Hydrocarbons	ND	0.750	"	"	"	"	"	"	
Surrogate: 2-FBP	62.9 %	50-150			"	"	"	"	
Surrogate: Octacosane	65.7 %	50-150			"	"	"	"	
MW 5 (B1F0675-06) Water Sampled: 06/25/01 17:50 Received: 06/26/01 10:30									
Diesel Range Hydrocarbons	109	6.03	mg/l	21	1F29011	06/29/01	07/13/01	WTPH-D	
Heavy Oil Range Hydrocarbons	ND	18.1	"	"	"	"	"	"	
Surrogate: 2-FBP	%	50-150			"	"	"	"	S-05
Surrogate: Octacosane	79.3 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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Gettler-Ryan Inc. - Dublin 6747 Sierra Court Suite G Dublin CA, 94568	Project: Chevron #20-9335 Project Number: 386750 Project Manager: Deanna Harding	Reported: 07/16/01 16:01
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Gasoline Hydrocarbons by NWTPH-Gx and BTEX by EPA Method 8021B
North Creek Analytical - Spokane

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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TB LB (B1F0675-01) Water **Sampled: 06/25/01 12:00** **Received: 06/26/01 10:30**

Benzene	ND	0.500	ug/l	1	1070096	07/06/01	07/06/01	NWTPH-G/8021B	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	1.00	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50.0	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	98.0 %	50-150			"	"	"	"	
Surrogate: 4-BFB (PID)	109 %	53-142			"	"	"	"	

MW 1 (B1F0675-02) Water **Sampled: 06/25/01 16:10** **Received: 06/26/01 10:30**

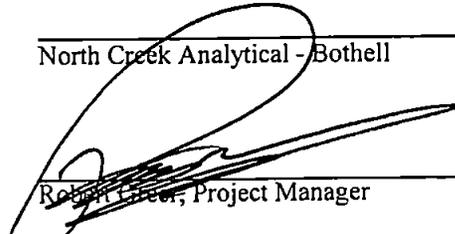
Benzene	ND	0.500	ug/l	1	1070096	07/06/01	07/06/01	NWTPH-G/8021B	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	1.00	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50.0	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	98.0 %	50-150			"	"	"	"	
Surrogate: 4-BFB (PID)	109 %	53-142			"	"	"	"	

MW 2 (B1F0675-03) Water **Sampled: 06/25/01 16:40** **Received: 06/26/01 10:30**

Benzene	92.3	2.50	ug/l	5	1070096	07/06/01	07/06/01	NWTPH-G/8021B	
Toluene	547	2.50	"	"	"	"	"	"	
Ethylbenzene	181	2.50	"	"	"	"	"	"	
Xylenes (total)	1010	5.00	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	11700	250	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	162 %	50-150			"	"	"	"	S-02
Surrogate: 4-BFB (PID)	107 %	53-142			"	"	"	"	

North Creek Analytical - Bothell

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Gettler-Ryan Inc. - Dublin
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 Dublin CA, 94568

Project: Chevron #20-9335
 Project Number: 386750
 Project Manager: Deanna Harding

Reported:
 07/16/01 16:01

Gasoline Hydrocarbons by NWTPH-Gx and BTEX by EPA Method 8021B
North Creek Analytical - Spokane

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 3 (B1F0675-04) Water Sampled: 06/25/01 17:05 Received: 06/26/01 10:30									
Benzene	ND	0.500	ug/l	1	1070096	07/06/01	07/06/01	NWTPH-G/8021B	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	1.00	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50.0	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	103 %	50-150			"	"	"	"	
Surrogate: 4-BFB (PID)	113 %	53-142			"	"	"	"	
MW 4 (B1F0675-05) Water Sampled: 06/25/01 17:30 Received: 06/26/01 10:30									
Benzene	69.0	5.00	ug/l	10	1070096	07/06/01	07/06/01	NWTPH-G/8021B	
Toluene	654	5.00	"	"	"	"	"	"	
Ethylbenzene	416	5.00	"	"	"	"	"	"	
Xylenes (total)	1910	10.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	12300	500	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	129 %	50-150			"	"	"	"	
Surrogate: 4-BFB (PID)	122 %	53-142			"	"	"	"	
MW 5 (B1F0675-06) Water Sampled: 06/25/01 17:50 Received: 06/26/01 10:30									
Benzene	210	25.0	ug/l	50	1070096	07/06/01	07/06/01	NWTPH-G/8021B	
Toluene	9580	25.0	"	"	"	"	"	"	
Ethylbenzene	3730	25.0	"	"	"	"	"	"	
Xylenes (total)	21500	50.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	127000	2500	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	157 %	50-150			"	"	"	"	S-02
Surrogate: 4-BFB (PID)	132 %	53-142			"	"	"	"	

North Creek Analytical - Bothell

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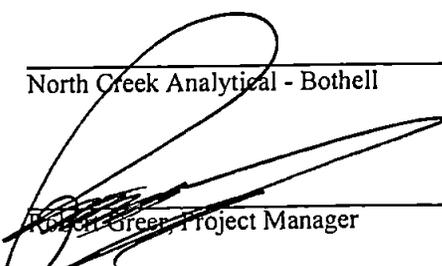
Gettler-Ryan Inc. - Dublin 6747 Sierra Court Suite G Dublin CA, 94568	Project: Chevron #20-9335 Project Number: 386750 Project Manager: Deanna Harding	Reported: 07/16/01 16:01
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**Diesel Hydrocarbons (C12-C24) and Heavy Oil (C24-C36 by WTPH-D (extended) with Silica Gel Clean-up -
 Quality Control
 North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limit	RPD	RPD Limit	Notes
Batch 1F29011: Prepared 06/29/01 Using EPA 3520C/600 Series										
Blank (1F29011-BLK1)										
Diesel Range Hydrocarbons	ND	0.250	mg/l							
Heavy Oil Range Hydrocarbons	ND	0.750	"							
Surrogate: 2-FBP	0.220		"	0.320		68.8	50-150			
Surrogate: Octacosane	0.210		"	0.320		65.6	50-150			
LCS (1F29011-BS1)										
Diesel Range Hydrocarbons	1.31	0.250	mg/l	2.00		65.5	50-150			
Surrogate: 2-FBP	0.205		"	0.320		64.1	50-150			
LCS Dup (1F29011-BSD1)										
Diesel Range Hydrocarbons	1.63	0.250	mg/l	2.00		81.5	50-150	21.8	50	
Surrogate: 2-FBP	0.245		"	0.320		76.6	50-150			

North Creek Analytical - Bothell

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Gettler-Ryan Inc. - Dublin
 6747 Sierra Court Suite G
 Dublin CA, 94568

Project: Chevron #20-9335
 Project Number: 386750
 Project Manager: Deanna Harding

Reported:
 07/16/01 16:01

**Gasoline Hydrocarbons by NWTPH-Gx and BTEX by EPA Method 8021B - Quality Control
 North Creek Analytical - Spokane**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1070096: Prepared 07/06/01 Using EPA 5030B

Blank (1070096-BLK1)

Benzene	ND	0.500	ug/l							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	1.00	"							
Gasoline Range Hydrocarbons	ND	50.0	"							
Surrogate: 4-BFB (FID)	25.4		"	25.0		102	50-150			
Surrogate: 4-BFB (PID)	26.6		"	25.0		106	53-142			

LCS (1070096-BS1)

Gasoline Range Hydrocarbons	953	50.0	ug/l	1000		95.3	85-115			
Surrogate: 4-BFB (FID)	32.7		"	25.0		131	50-150			

LCS (1070096-BS2)

Benzene	9.02	0.500	ug/l	10.0		90.2	85-115			
Toluene	9.04	0.500	"	10.0		90.4	85-115			
Ethylbenzene	8.59	0.500	"	10.0		85.9	85-115			
Xylenes (total)	27.4	1.00	"	30.0		91.3	85-115			
Surrogate: 4-BFB (PID)	27.7		"	25.0		111	53-142			

Duplicate (1070096-DUP1)

Source: S107033-02

Benzene	ND	0.500	ug/l		ND				50	
Toluene	ND	0.500	"		ND				50	
Ethylbenzene	ND	0.500	"		ND				50	
Xylenes (total)	ND	1.00	"		ND				50	
Gasoline Range Hydrocarbons	ND	50.0	"		ND				50	
Surrogate: 4-BFB (FID)	24.3		"	25.0		97.2	50-150			
Surrogate: 4-BFB (PID)	27.6		"	25.0		110	53-142			

North Creek Analytical - Bothell

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Gettler-Ryan Inc. - Dublin
 6747 Sierra Court Suite G
 Dublin CA, 94568

Project: Chevron #20-9335
 Project Number: 386750
 Project Manager: Deanna Harding

Reported:
 07/16/01 16:01

**Gasoline Hydrocarbons by NWTPH-Gx and BTEX by EPA Method 8021B - Quality Control
 North Creek Analytical - Spokane**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1070096: Prepared 07/06/01 Using EPA 5030B										
Duplicate (1070096-DUP2)					Source: S107032-05					
Benzene	42.3	0.500	ug/l		43.8			3.48	50	
Toluene	1.38	0.500	"		1.35			2.20	50	
Ethylbenzene	1.65	0.500	"		1.60			3.08	50	
Xylenes (total)	2.11	1.00	"		2.06			2.40	50	
Gasoline Range Hydrocarbons	591	50.0	"		604			2.18	50	
Surrogate: 4-BFB (FID)	36.0		"	25.0		144	50-150			
Surrogate: 4-BFB (PID)	29.3		"	25.0		117	53-142			
Matrix Spike (1070096-MS1)					Source: S107033-02					
Gasoline Range Hydrocarbons	917	50.0	ug/l	1000	ND	91.7	70-130			
Surrogate: 4-BFB (FID)	31.0		"	25.0		124	50-150			
Matrix Spike (1070096-MS2)					Source: S107033-02					
Benzene	8.13	0.500	ug/l	10.0	ND	81.3	54-143			
Toluene	8.67	0.500	"	10.0	ND	86.7	48-145			
Ethylbenzene	8.44	0.500	"	10.0	ND	84.4	49-142			
Xylenes (total)	26.1	1.00	"	30.0	ND	87.0	55-140			
Surrogate: 4-BFB (PID)	27.5		"	25.0		110	53-142			

North Creek Analytical - Bothell

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 Environmental Laboratory Network

Page 7 of 8



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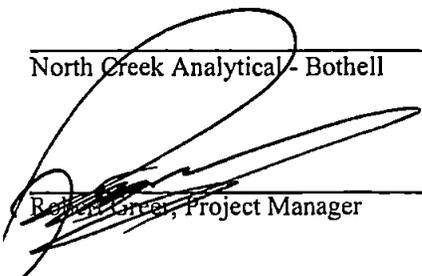
Gettler-Ryan Inc. - Dublin 6747 Sierra Court Suite G Dublin CA, 94568	Project: Chevron #20-9335 Project Number: 386750 Project Manager: Deanna Harding	Reported: 07/16/01 16:01
---	--	-----------------------------

Notes and Definitions

- D-08 Results in the diesel organics range are primarily due to overlap from a gasoline range product.
- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
- S-05 Due to interference from coeluting organic compounds with the primary surrogate, results of the secondary surrogate have been used to control the analysis.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

North Creek Analytical - Bothell

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Environmental Laboratory Network

FORMER CHEVRON SERVICE STATION #209335
Seattle, Washington

MONITORING & SAMPLING
EVENT OF SEPTEMBER 24, 2001

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility: Farmers Choice #209335 Job#: 386750
 Address: 1225 North 45th St Date: 9-24-07
 City: Seattle, WA Sampler: BWN

Well ID: MW1 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)
 Total Depth: 38.85 ft.
 Depth to Water: 37.14 ft.

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

1.71 x VF 1.7 = .3 x 3 (case volume) = Estimated Purge Volume: 1 (gal.)

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

Sampling Equipment: Disposable Bailer
 Bailer
 Pressure Bailer
 Grab Sample
 Other: _____

Starting Time: 1300 Weather Conditions: cloudy
 Sampling Time: 1310 Water Color: clear Odor: no
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1305</u>	<u>1</u>	<u>6.76</u>	<u>371</u>	<u>66.9</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW1</u>	<u>3 VOA/PAL</u>	<u>Y</u>	<u>H4</u>	<u>NLA</u>	<u>Gas/BTEX</u>
<u>MW1</u>	<u>1 Amber 2</u>		<u>U</u>	<u>U</u>	<u>TPH/ID + Ext W/SG</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility: Farmer Chevron #209335 Job#: 386750
 Address: 1225 North 45th St Date: 9-24-01
 City: Seattle, WA Sampler: BWN

Well ID: MW3 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Thickness: Ø Amount Bailed: Ø (Gallons)
 Total Depth: 41.82 ft. Volume Factor (VF):
 Depth to Water: 37.64 ft.

2" = 0.17	3" = 0.38	4" = 0.66
6" = 1.50	12" = 5.80	

4.18 X VF 17 = 7 X 3 (case volume) = Estimated Purge Volume: 2 (gal.)

Purge Equipment: Disposable Bailer
 Stack
 Suction
 Grundfos
 Other: _____
 Sampling Equipment: Disposable Bailer
 Bailer
 Pressure Bailer
 Grab Sample
 Other: _____

Starting Time: 1340 Weather Conditions: cloudy
 Sampling Time: 1355 Water Color: Clear Odor: no
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1343</u>	<u>1</u>	<u>6.33</u>	<u>250</u>	<u>16.1</u>			
<u>1346</u>	<u>2</u>	<u>6.37</u>	<u>246</u>	<u>15.9</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW3</u>	<u>3 VIALS</u>	<u>Y</u>	<u>HCl</u>	<u>NCA</u>	<u>6.05/BTEX</u>
<u>MW3</u>	<u>1 Amber L</u>		<u>Ø</u>	<u>Ø</u>	<u>TPH/CD+EA W/SL</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility: Farmers Chew Barn #209335 Job#: 386750
 Address: 1225 North 45th St Date: 9-24-01
 City: Seattle, WA Sampler: BWN

Well ID: MW 4 Well Condition: BK
 Well Diameter: 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)
 Total Depth: 41.60 ft.
 Depth to Water: 37.60 ft.

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

4.00 X VF .17 = .68 X 3 (case volume) = Estimated Purge Volume: 2 (gal.)

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

Sampling Equipment: Disposable Bailer
 Bailer
 Pressure Bailer
 Grab Sample
 Other: _____

Starting Time: 1405 Weather Conditions: cloudy
 Sampling Time: 1415 Water Color: tan Odor: no
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1408</u>	<u>1</u>	<u>6.41</u>	<u>254</u>	<u>16.2</u>			
<u>1411</u>	<u>2</u>	<u>6.32</u>	<u>249</u>	<u>16.0</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW 4</u>	<u>3 VOA/VIAL</u>	<u>Y</u>	<u>HCl</u>	<u>NCA</u>	<u>Gas/BTEX/mTBC</u>
<u>MW 4</u>	<u>1 Amber L</u>		<u>W</u>	<u>W</u>	<u>TPH(W) + EXT W/SZ</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility: Farmer Chevron #209335 Job#: 386750
 Address: 1225 North 45th St Date: 9-24-01
 City: Seattle, WA Sampler: BWN

Well ID: MW 5 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Thickness: .04 (feet) Amount Bailed (Gallons): 0
 Total Depth: 39.21 ft. Volume Factor (VF):
 Depth to Water: 38.40 ft.
 2" = 0.17 3" = 0.38 4" = 0.66
 6" = 1.50 12" = 5.80

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

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

Starting Time: _____ Weather Conditions: _____
 Sampling Time: _____ Water Color: _____ Odor: _____
 Purging Flow Rate: _____ gpm Sediment Description: _____
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#)-CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
		Y			

COMMENTS: No overpak onsite to bail SPH / Not sampled due to SPH

Chevron Facility Number #20-9335
 Facility Address 1225 N. 45TH ST., SEATTLE, WA
 Consultant Project Number 386750
 Consultant Name Gettler-Ryan Inc
 Address 6747 Sierra Court, Suite G, Dublin, CA 94568
 Project Contact (Name) Deanna L. Harding
 (Phone) 925-551-7555 (Fax Number) 925-551-7899

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

State Method: CA OR WA NW Series CO UT

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	State Method: <input type="checkbox"/> CA <input type="checkbox"/> OR <input checked="" type="checkbox"/> WA <input type="checkbox"/> NW Series <input type="checkbox"/> CO <input type="checkbox"/> UT													Remarks	
					BTEX/MTBE/TPH GAS (8020 + 8015)	TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5520)	Metals (ICAP of AA) Cd, Cr, Pb, Zn, Ni	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HClD	NW TPH-D Extended w/ Silica gel		Lab Sample No.
TB HB	1	W	HCl	9-24-01	X														BTJ0043-01
MW 1	4			1310	X														02
MW 2	4			1330	X														03
MW 3	4			1355	X														04
MW 4	4			1415	X														05

Relinquished By (Signature) <u>Ben Newton</u>	Organization <u>GR Inc</u>	Date/Time <u>9-26-01 1055</u>	Received By (Signature)	Organization	Date/Time	Iced Y/N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted <u>W/O</u>
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N	
Relinquished By (Signature)	Organization	Date/Time	Received for Laboratory By (Signature) <u>Shirley K...</u>	Date/Time <u>9/28/01 10:55</u>	Iced Y/N <u>A 70</u>		



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Gettler-Ryan Inc. - Dublin
 6747 Sierra Ct, Suite G
 Dublin CA/USA, 94568

Project: Chevron #20-9335
 Project Number: 386750
 Project Manager: Deanna Harding

Reported:
 10/15/01 12:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB LB	B1J0043-01	Water	09/24/01 12:00	09/28/01 10:55
MW 1	B1J0043-02	Water	09/24/01 13:10	09/28/01 10:55
MW 2	B1J0043-03	Water	09/24/01 13:30	09/28/01 10:55
MW 3	B1J0043-04	Water	09/24/01 13:55	09/28/01 10:55
MW 4	B1J0043-05	Water	09/24/01 14:15	09/28/01 10:55

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 6747 Sierra Ct, Suite G
 Dublin CA/USA, 94568

Project: Chevron #20-9335
 Project Number: 386750
 Project Manager: Deanna Harding

Reported:
 10/15/01 12:22

Volatile Petroleum Products and BTEX by NWTPH-Gx and EPA 8021B
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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TB LB (B1J0043-01) Water Sampled: 09/24/01 12:00 Received: 09/28/01 10:55

Gasoline Range Hydrocarbons	ND	50.0	ug/l	1	1J06003	10/06/01	10/06/01	NWTPH-Gx/8021B	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	1.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	104 %	62-139			"	"	"	"	
Surrogate: 4-BFB (PID)	101 %	62-125			"	"	"	"	

MW 1 (B1J0043-02) Water Sampled: 09/24/01 13:10 Received: 09/28/01 10:55

Gasoline Range Hydrocarbons	ND	50.0	ug/l	1	1J06003	10/06/01	10/06/01	NWTPH-Gx/8021B	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	1.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	102 %	62-139			"	"	"	"	
Surrogate: 4-BFB (PID)	100 %	62-125			"	"	"	"	

MW 2 (B1J0043-03) Water Sampled: 09/24/01 13:30 Received: 09/28/01 10:55

Gasoline Range Hydrocarbons	22100	2500	ug/l	50	1J06003	10/06/01	10/06/01	NWTPH-Gx/8021B	
Benzene	120	25.0	"	"	"	"	"	"	
Toluene	1380	25.0	"	"	"	"	"	"	
Ethylbenzene	658	25.0	"	"	"	"	"	"	
Xylenes (total)	4100	50.0	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	112 %	62-139			"	"	"	"	
Surrogate: 4-BFB (PID)	104 %	62-125			"	"	"	"	

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Gettler-Ryan Inc. - Dublin
 6747 Sierra Ct, Suite G
 Dublin CA/USA, 94568

Project: Chevron #20-9335
 Project Number: 386750
 Project Manager: Deanna Harding

Reported:
 10/15/01 12:22

Volatile Petroleum Products and BTEX by NWTPH-Gx and EPA 8021B
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 3 (B1J0043-04) Water Sampled: 09/24/01 13:55 Received: 09/28/01 10:55									
Gasoline Range Hydrocarbons	ND	50.0	ug/l	1	1J06003	10/06/01	10/06/01	NWTPH-Gx/8021B	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	1.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	103 %	62-139			"	"	"	"	
Surrogate: 4-BFB (PID)	99.8 %	62-125			"	"	"	"	
MW 4 (B1J0043-05) Water Sampled: 09/24/01 14:15 Received: 09/28/01 10:55									
Gasoline Range Hydrocarbons	4130	500	ug/l	10	1J06003	10/06/01	10/06/01	NWTPH-Gx/8021B	
Benzene	30.1	5.00	"	"	"	"	"	"	
Toluene	154	5.00	"	"	"	"	"	"	
Ethylbenzene	197	5.00	"	"	"	"	"	"	
Xylenes (total)	684	10.0	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	111 %	62-139			"	"	"	"	
Surrogate: 4-BFB (PID)	105 %	62-125			"	"	"	"	

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Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin CA/USA, 94568	Project: Chevron #20-9335 Project Number: 386750 Project Manager: Deanna Harding	Reported: 10/15/01 12:22
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**Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
 North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 1 (B1J0043-02) Water Sampled: 09/24/01 13:10 Received: 09/28/01 10:55 Q-29									
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	1J02053	10/02/01	10/14/01	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	
Surrogate: 2-FBP	79.8 %	50-150			"	"	"	"	
Surrogate: Octacosane	77.5 %	50-150			"	"	"	"	
MW 2 (B1J0043-03) Water Sampled: 09/24/01 13:30 Received: 09/28/01 10:55 Q-29									
Diesel Range Hydrocarbons	4.84	0.278	mg/l	1	1J02053	10/02/01	10/14/01	NWTPH-Dx	D-06
Lube Oil Range Hydrocarbons	ND	0.557	"	"	"	"	"	"	
Surrogate: 2-FBP	77.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	74.7 %	50-150			"	"	"	"	
MW 3 (B1J0043-04) Water Sampled: 09/24/01 13:55 Received: 09/28/01 10:55 Q-29									
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	1J02053	10/02/01	10/14/01	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	
Surrogate: 2-FBP	79.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	79.5 %	50-150			"	"	"	"	
MW 4 (B1J0043-05) Water Sampled: 09/24/01 14:15 Received: 09/28/01 10:55 Q-29									
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	1J02053	10/02/01	10/14/01	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	
Surrogate: 2-FBP	82.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	79.3 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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Gettler-Ryan Inc. - Dublin
 6747 Sierra Ct, Suite G
 Dublin CA/USA, 94568

Project: Chevron #20-9335
 Project Number: 386750
 Project Manager: Deanna Harding

Reported:
 10/15/01 12:22

**Volatile Petroleum Products and BTEX by NWTPH-Gx and EPA 8021B - Quality Control
 North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1J06003: Prepared 10/06/01 Using EPA 5030B (P/T)

Blank (1J06003-BLK1)

Gasoline Range Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	1.00	"							
<i>Surrogate: 4-BFB (FID)</i>	48.4		"	48.0		101	62-139			
<i>Surrogate: 4-BFB (PID)</i>	48.5		"	48.0		101	62-125			

LCS (1J06003-BS1)

Gasoline Range Hydrocarbons	516	50.0	ug/l	500		103	80-120			
Benzene	5.86	0.500	"	6.01		97.5	80-120			
Toluene	33.0	0.500	"	36.1		91.4	80-120			
Ethylbenzene	8.94	0.500	"	8.37		107	80-120			
Xylenes (total)	42.8	1.00	"	42.0		102	80-120			
<i>Surrogate: 4-BFB (FID)</i>	53.9		"	48.0		112	62-139			
<i>Surrogate: 4-BFB (PID)</i>	45.7		"	48.0		95.2	62-125			

LCS Dup (1J06003-BSD1)

Gasoline Range Hydrocarbons	515	50.0	ug/l	500		103	80-120	0.194	25	
Benzene	5.90	0.500	"	6.01		98.2	80-120	0.680	40	
Toluene	33.3	0.500	"	36.1		92.2	80-120	0.905	40	
Ethylbenzene	8.86	0.500	"	8.37		106	80-120	0.899	40	
Xylenes (total)	43.1	1.00	"	42.0		103	80-120	0.698	40	
<i>Surrogate: 4-BFB (FID)</i>	53.2		"	48.0		111	62-139			
<i>Surrogate: 4-BFB (PID)</i>	45.8		"	48.0		95.4	62-125			

Matrix Spike (1J06003-MS1)

Source: B110611-67

Gasoline Range Hydrocarbons	527	50.0	ug/l	500	ND	100	70-130			
Benzene	6.89	0.500	"	6.01	1.23	94.2	80-120			
Toluene	37.0	0.500	"	36.1	4.70	89.5	75-117			
Ethylbenzene	9.53	0.500	"	8.37	0.676	106	80-120			
Xylenes (total)	45.3	1.00	"	42.0	3.45	99.6	80-120			
<i>Surrogate: 4-BFB (FID)</i>	53.8		"	48.0		112	62-139			
<i>Surrogate: 4-BFB (PID)</i>	45.1		"	48.0		94.0	62-125			

North Creek Analytical - Bothell

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Robert Greer, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



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Gettler-Ryan Inc. - Dublin
 6747 Sierra Ct, Suite G
 Dublin CA/USA, 94568

Project: Chevron #20-9335
 Project Number: 386750
 Project Manager: Deanna Harding

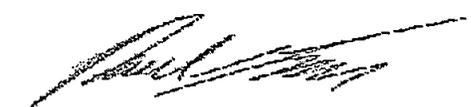
Reported:
 10/15/01 12:22

Volatile Petroleum Products and BTEX by NWTPH-Gx and EPA 8021B - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J06003: Prepared 10/06/01 Using EPA 5030B (P/T)										
Matrix Spike Dup (1J06003-MSD1)					Source: B110611-67					
Gasoline Range Hydrocarbons	527	50.0	ug/l	500	ND	100	70-130	0.00	25	
Benzene	6.87	0.500	"	6.01	1.23	93.8	80-120	0.291	40	
Toluene	37.2	0.500	"	36.1	4.70	90.0	75-117	0.539	40	
Ethylbenzene	9.50	0.500	"	8.37	0.676	105	80-120	0.315	40	
Xylenes (total)	45.5	1.00	"	42.0	3.45	100	80-120	0.441	40	
Surrogate: 4-BFB (FID)	53.1		"	48.0		111	62-139			
Surrogate: 4-BFB (PID)	47.6		"	48.0		99.2	62-125			

North Creek Analytical - Bothell

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Gettler-Ryan Inc. - Dublin
 6747 Sierra Ct, Suite G
 Dublin CA/USA, 94568

Project: Chevron #20-9335
 Project Number: 386750
 Project Manager: Deanna Harding

Reported:
 10/15/01 12:22

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1J02053: Prepared 10/02/01 Using EPA 3520C

Blank (1J02053-BLK1)

Diesel Range Hydrocarbons	ND	0.250	mg/l							
Lube Oil Range Hydrocarbons	ND	0.500	"							
Surrogate: 2-FBP	0.293		"	0.320		91.6	50-150			
Surrogate: Octacosane	0.289		"	0.320		90.3	50-150			

LCS (1J02053-BS1)

Diesel Range Hydrocarbons	1.61	0.250	mg/l	2.00		80.5	50-150			
Surrogate: 2-FBP	0.233		"	0.320		72.8	50-150			

LCS Dup (1J02053-BSD1)

Diesel Range Hydrocarbons	1.75	0.250	mg/l	2.00		87.5	50-150	8.33	50	
Surrogate: 2-FBP	0.268		"	0.320		83.8	50-150			

North Creek Analytical - Bothell

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Gettler-Ryan Inc. - Dublin
6747 Sierra Ct, Suite G
Dublin CA/USA, 94568

Project: Chevron #20-9335
Project Number: 386750
Project Manager: Deanna Harding

Reported:
10/15/01 12:22

Notes and Definitions

- D-06 The sample chromatographic pattern does not resemble the fuel standard used for quantitation.
- Q-29 This sample was prepared outside of the method established holding time.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

North Creek Analytical - Bothell

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Environmental Laboratory Network

Page 8 of 8

FORMER CHEVRON SERVICE STATION #209335
Seattle, Washington

MONITORING & SAMPLING
EVENT OF DECEMBER 13, 2001

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility: Farmer Clean Wash #209335 Job#: 386750
 Address: 1225 North 45th St Date: 12-13-01
 City: Seattle, WA Sampler: BWN

Well ID: MW 1 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)
 Total Depth: 38.85 ft. Volume Factor (VF):
 Depth to Water: 37.25 ft.
 2" = 0.17 3" = 0.38 4" = 0.66
 6" = 1.50 12" = 5.80

1.6 x VF .17 = .27 X 3 (case volume) = Estimated Purge Volume: 1 (gal.)

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

Sampling Equipment: Disposable Bailer
 Bailer
 Pressure Bailer
 Grab Sample
 Other: _____

Starting Time: 900 Weather Conditions: Rain
 Sampling Time: 910 Water Color: Clear Odor: no
 Purgng Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? NO If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>905</u>	<u>1</u>	<u>7.14</u>	<u>302</u>	<u>9.9</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW 1</u>	<u>3 VOAVIAL</u>	<u>Y</u>	<u>HC</u>	<u>NCA</u>	<u>GS/BTEX</u>
<u>MW 1</u>	<u>1 Amber L</u>	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>	<u>TPH(CD)+Ext w/ SC</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility: Farmer Chem #209335 Job#: 386750
 Address: 1225 North 45th St Date: 12-13-07
 City: Seattle, WA Sampler: BWN

Well ID: MW 2 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)
 Total Depth: 41.62 ft. Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
 Depth to Water: 37.89 ft. 6" = 1.50 12" = 5.80

3.73 x VF 17 = 63 X 3 (case volume) = Estimated Purge Volume: 2 (gal.)

Purge Equipment: Disposable Bailer Bailer Stack Suction Grundfos Other: _____
 Sampling Equipment: Disposable Bailer Bailer Pressure Bailer Grab Sample Other: _____

Starting Time: 1010 Weather Conditions: Rain
 Sampling Time: 1025 Water Color: clear Odor: yes
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1013	1	7.09	263	9.8			
1016	2	7.02	252	9.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW 2	3 VOAVIAL	Y	HCl	NLA	GW3/BTEX
MW 2	1 Amber L	↓	↓	↓	+PH(D) + FA w/3C

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility: Farmer Chevron #209335 Job#: 386750
 Address: 1225 North 45th St Date: 12-13-01
 City: Seattle, WA Sampler: BWN

Well ID: MW 3 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Thickness: Ø Amount Bailed (Gallons): Ø
 Total Depth: 41.82 ft. Volume Factor (VF):
 Depth to Water: 37.78 ft. 2" = 0.17 3" = 0.38 4" = 0.66
6" = 1.50 12" = 5.80

4.04 X VF .17 = .68 X 3 (case volume) = Estimated Purge Volume: 2 (gal.)

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

Sampling Equipment: Disposable Bailer
 Bailer
 Pressure Bailer
 Grab Sample
 Other: _____

Starting Time: 920 Weather Conditions: Rain
 Sampling Time: 935 Water Color: clear Odor: no
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
923	1	7.16	263	9.9			
926	2	7.09	256	9.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW 3	3 VOXIAL	Y	HCl	NCA	Gas/BTEX
MW 3	1 Amber L	↓	↓	↓	TPH (D) + EXT W/SG

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility: Farmer Clean Wash #209335 Job#: 386750
 Address: 1225 North 45th St Date: 12-13-07
 City: Seattle, WA Sampler: BWN

Well ID: MW 4 Well Condition: ok
 Well Diameter: 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (Gallons): 0
 Total Depth: 41.60 ft. Volume Factor (VF): 2" = 0.17, 3" = 0.38, 4" = 0.66
 Depth to Water: 37.72 ft. 6" = 1.50, 12" = 5.80

3.88 x VF 17 = .66 x 3 (case volume) = Estimated Purge Volume: 2 (gal.)

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

Starting Time: 945 Weather Conditions: Rain
 Sampling Time: 1000 Water Color: clear Odor: Slight
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
948	1	7.34	192	10.0			
951	2	7.26	186	9.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW 4	3 VORVIAL	Y	HCl	NCA	Gas/BTEX
MW 4	1 Amber L	↓	↓	↓	TPH(D) EXT w/SG

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility # Farmer Chevron #209335 Job#: 386750
 Address: 1225 North 45th St Date: 12-13-01
 City: Seattle, WA Sampler: BWN

Well ID MW 5 Well Condition: OK
 Well Diameter 2 in. Hydrocarbon Thickness: 1.04 (feet) Amount Bailed 5 (Gallons)
 Total Depth 39.21 ft. Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
 Depth to Water 38.55 ft. 6" = 1.50 12" = 5.80

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

Purge Equipment: Disposable Bailer Bailer Stack Suction Grundfos Other: _____
 Sampling Equipment: Disposable Bailer Bailer Pressure Bailer Grab Sample Other: _____

Starting Time: _____ Weather Conditions: _____
 Sampling Time: _____ Water Color: _____ Odor: _____
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
		Y			

COMMENTS: No overpate driven onsite to bail product into

Fax copy of Lab Report and COC to Chevron Contact: No **BILD 368** Chain-of-Custody-Record

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

Chevron Facility Number #20-9335
Facility Address 1225 N. 45TH ST., SEATTLE, WA
Consultant Project Number 386750
Consultant Name Gettler-Ryan Inc
Address 6747 Sierra Court, Suite G, Dublin, CA 94568
Project Contact (Name) Deanna L. Harding
(Phone) 925-551-7555 (Fax Number) 925-551-7899

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

State Method: CA OR WA NW Series CO UT

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	State Method: <input type="checkbox"/> CA <input type="checkbox"/> OR <input checked="" type="checkbox"/> WA <input type="checkbox"/> NW Series <input type="checkbox"/> CO <input type="checkbox"/> UT													Remarks	
					BTEX/MTBE/TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Organics (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (8320)	Metals (VAP or AA) Cd,Cr,Pb,Zn,Mn	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HClD	Non-TPH TPH-0 Extended <i>analyzed</i>		Lab Sample No.
TB 1B	1	W	NCI	12-13-01	X														BILD368-01
MW 1	4			910	X														02
MW 2	4			1025	X														03
MW 3	4			935	X														04
MW 4	4	↓	↓	1000	X														05

Relinquished By (Signature) <u>Ben Newton</u>	Organization <u>GR Inc</u>	Date/Time <u>12-14-01 7:25</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>NCA</u>	Date/Time <u>12/14/01</u>	Iced Y/N
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	Iced Y/N

Turn Around Time (Circle Choice)

24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

W/O
2.9



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Gettler-Ryan Inc. - Dublin
 6747 Sierra Ct, Suite G
 Dublin CA/USA, 94568

Project: Chevron #20-9335
 Project Number: 386750
 Project Manager: Deanna Harding

Amended Report
 Issued: 01/14/02 13:42

ANALYTICAL REPORT FOR SAMPLES - Amended

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB LB	B1L0368-01	Water	12/13/01 12:00	12/14/01 18:25
MW1	B1L0368-02	Water	12/13/01 09:10	12/14/01 18:25
MW2	B1L0368-03	Water	12/13/01 10:25	12/14/01 18:25
MW3	B1L0368-04	Water	12/13/01 09:35	12/14/01 18:25
MW4	B1L0368-05	Water	12/13/01 10:00	12/14/01 18:25

RECEIVED

JAN 18 2002

GETTLER-RYAN INC.
GENERAL CONTRACTORS

North Creek Analytical - Bothell

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Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin CA/USA, 94568	Project: Chevron #20-9335 Project Number: 386750 Project Manager: Deanna Harding	Amended Report Issued: 01/14/02 13:42
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**Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
 North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW1 (B1L0368-02) Water Sampled: 12/13/01 09:10 Received: 12/14/01 18:25									
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	1L19021	12/19/01	12/27/01	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	
Surrogate: 2-FBP	109 %	50-150			"	"	"	"	
Surrogate: Octacosane	115 %	50-150			"	"	"	"	
MW2 (B1L0368-03) Water Sampled: 12/13/01 10:25 Received: 12/14/01 18:25									
Diesel Range Hydrocarbons	5.54	0.250	mg/l	1	1L19021	12/19/01	12/27/01	NWTPH-Dx	D-08
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	
Surrogate: 2-FBP	109 %	50-150			"	"	"	"	
Surrogate: Octacosane	106 %	50-150			"	"	"	"	
MW3 (B1L0368-04) Water Sampled: 12/13/01 09:35 Received: 12/14/01 18:25									
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	1L19021	12/19/01	12/27/01	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	
Surrogate: 2-FBP	75.0 %	50-150			"	"	"	"	
Surrogate: Octacosane	80.8 %	50-150			"	"	"	"	
MW4 (B1L0368-05) Water Sampled: 12/13/01 10:00 Received: 12/14/01 18:25									
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	1L19021	12/19/01	12/27/01	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	
Surrogate: 2-FBP	86.9 %	50-150			"	"	"	"	
Surrogate: Octacosane	92.7 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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 Environmental Laboratory Network**



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Gettler-Ryan Inc. - Dublin
 6747 Sierra Ct, Suite G
 Dublin CA/USA, 94568

Project: Chevron #20-9335
 Project Number: 386750
 Project Manager: Deanna Harding

Amended Report
 Issued: 01/14/02 13:42

Gasoline Hydrocarbons per NW TPH-Gx Method and BTEX per EPA Method 8021B
North Creek Analytical - Portland

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
TB LB (B1L0368-01) Water Sampled: 12/13/01 12:00 Received: 12/14/01 18:25										
Benzene	ND	0.500		ug/l	1	1120894	12/27/01	12/27/01	NW-G, 8021B	
Toluene	ND	0.500		"	"	"	"	"	"	
Ethylbenzene	ND	0.500		"	"	"	"	"	"	
Xylenes (total)	ND	1.00		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	80.0		"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	107 %	50-150				"	"	"	"	
Surrogate: 4-BFB (PID)	88.2 %	75-120				"	"	"	"	
MW1 (B1L0368-02) Water Sampled: 12/13/01 09:10 Received: 12/14/01 18:25										
Benzene	ND	0.500		ug/l	1	1120894	12/27/01	12/27/01	NW-G, 8021B	
Toluene	ND	0.500		"	"	"	"	"	"	
Ethylbenzene	ND	0.500		"	"	"	"	"	"	
Xylenes (total)	ND	1.00		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	80.0		"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	104 %	50-150				"	"	"	"	
Surrogate: 4-BFB (PID)	83.2 %	75-120				"	"	"	"	
MW2 (B1L0368-03) Water Sampled: 12/13/01 10:25 Received: 12/14/01 18:25										
Benzene	185	50.0		ug/l	100	1120894	12/27/01	12/27/01	NW-G, 8021B	
Toluene	3960	50.0		"	"	"	"	"	"	
Ethylbenzene	1590	50.0		"	"	"	"	"	"	
Xylenes (total)	9950	100		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	84000	8000		"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	111 %	50-150				"	"	"	"	
Surrogate: 4-BFB (PID)	91.8 %	75-120				"	"	"	"	

North Creek Analytical - Bothell

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Robert Greer, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



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Gettler-Ryan Inc. - Dublin
 6747 Sierra Ct, Suite G
 Dublin CA/USA, 94568

Project: Chevron #20-9335
 Project Number: 386750
 Project Manager: Deanna Harding

Amended Report
 Issued: 01/14/02 13:42

Gasoline Hydrocarbons per NW TPH-Gx Method and BTEX per EPA Method 8021B
North Creek Analytical - Portland

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

MW3 (B1L0368-04) Water Sampled: 12/13/01 09:35 Received: 12/14/01 18:25

Benzene	ND	0.500		ug/l	1	1120894	12/27/01	12/27/01	NW-G, 8021B	
Toluene	ND	0.500		"	"	"	"	"	"	
Ethylbenzene	ND	0.500		"	"	"	"	"	"	
Xylenes (total)	ND	1.00		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	80.0		"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	102 %	50-150				"	"	"	"	
Surrogate: 4-BFB (PID)	84.4 %	75-120				"	"	"	"	

MW4 (B1L0368-05RE1) Water Sampled: 12/13/01 10:00 Received: 12/14/01 18:25

Benzene	30.3	2.50		ug/l	5	1120895	12/27/01	12/27/01	NW-G, 8021B	
Toluene	175	2.50		"	"	"	"	"	"	
Ethylbenzene	177	2.50		"	"	"	"	"	"	
Xylenes (total)	679	5.00		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	5490	400		"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	115 %	50-150				"	"	"	"	
Surrogate: 4-BFB (PID)	96.4 %	75-120				"	"	"	"	

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Gettler-Ryan Inc. - Dublin
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 Dublin CA/USA, 94568

Project: Chevron #20-9335
 Project Number: 386750
 Project Manager: Deanna Harding

Amended Report
 Issued: 01/14/02 13:42

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1L19021: Prepared 12/19/01 Using EPA 3520C

Blank (1L19021-BLK1)

Diesel Range Hydrocarbons	ND	0.250	mg/l							
Lube Oil Range Hydrocarbons	ND	0.500	"							
Surrogate: 2-FBP	0.270		"	0.320		84.4	50-150			
Surrogate: Octacosane	0.289		"	0.320		90.3	50-150			

LCS (1L19021-BS1)

Diesel Range Hydrocarbons	1.41	0.250	mg/l	2.00		70.5	50-150			
Surrogate: 2-FBP	0.285		"	0.320		89.1	50-150			

LCS Dup (1L19021-BSD1)

Diesel Range Hydrocarbons	1.32	0.250	mg/l	2.00		66.0	50-150	6.59	50	
Surrogate: 2-FBP	0.260		"	0.320		81.2	50-150			

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Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin CA/USA, 94568	Project: Chevron #20-9335 Project Number: 386750 Project Manager: Deanna Harding	Amended Report Issued: 01/14/02 13:42
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**Gasoline Hydrocarbons per NW TPH-Gx Method and BTEX per EPA Method 8021B - Quality Control
 North Creek Analytical - Portland**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1120894: Prepared 12/27/01 Using EPA 5030B

Blank (1120894-BLK1)

Benzene	ND	0.500	ug/l							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	1.00	"							
Gasoline Range Hydrocarbons	ND	80.0	"							
Surrogate: 4-BFB (FID)	49.3		"	50.0		98.6	50-150			
Surrogate: 4-BFB (PID)	41.9		"	50.0		83.8	75-120			

LCS (1120894-BS1)

Gasoline Range Hydrocarbons	1350	80.0	ug/l	1250		108	70-130			
Surrogate: 4-BFB (FID)	61.2		"	50.0		122	50-150			

LCS (1120894-BS2)

Benzene	21.9	0.500	ug/l	20.0		110	70-130			
Toluene	20.6	0.500	"	20.0		103	70-130			
Ethylbenzene	20.4	0.500	"	20.0		102	70-130			
Xylenes (total)	60.5	1.00	"	60.0		101	70-130			
Surrogate: 4-BFB (PID)	47.9		"	50.0		95.8	75-120			

LCS Dup (1120894-BSD2)

Benzene	20.6	0.500	ug/l	20.0		103	70-130	6.12	15	
Toluene	19.7	0.500	"	20.0		98.5	70-130	4.47	15	
Ethylbenzene	19.5	0.500	"	20.0		97.5	70-130	4.51	15	
Xylenes (total)	57.9	1.00	"	60.0		96.5	70-130	4.39	15	
Surrogate: 4-BFB (PID)	46.0		"	50.0		92.0	75-120			

Duplicate (1120894-DUP1)

Source: P1L0688-09

Gasoline Range Hydrocarbons	ND	80.0	ug/l		ND				50	
Surrogate: 4-BFB (FID)	53.3		"	50.0		107	50-150			

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Gettler-Ryan Inc. - Dublin
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Project: Chevron #20-9335
 Project Number: 386750
 Project Manager: Deanna Harding

Amended Report
 Issued: 01/14/02 13:42

Gasoline Hydrocarbons per NW TPH-Gx Method and BTEX per EPA Method 8021B - Quality Control
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1120894: Prepared 12/27/01 Using EPA 5030B										
Duplicate (1120894-DUP2) Source: PIL0688-10										
Gasoline Range Hydrocarbons	ND	80.0	ug/l		ND				50	
Surrogate: 4-BFB (FID)	51.7		"	50.0		103	50-150			
Batch 1120895: Prepared 12/27/01 Using EPA 5030B										
Blank (1120895-BLK1)										
Benzene	ND	0.500	ug/l							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	1.00	"							
Gasoline Range Hydrocarbons	ND	80.0	"							
Surrogate: 4-BFB (FID)	56.1		"	50.0		112	50-150			
Surrogate: 4-BFB (PID)	48.6		"	50.0		97.2	75-120			
LCS (1120895-BS1)										
Gasoline Range Hydrocarbons	1400	80.0	ug/l	1250		112	70-130			
Surrogate: 4-BFB (FID)	71.1		"	50.0		142	50-150			
LCS (1120895-BS2)										
Benzene	22.4	0.500	ug/l	20.0		112	70-130			
Toluene	20.3	0.500	"	20.0		102	70-130			
Ethylbenzene	20.7	0.500	"	20.0		104	70-130			
Xylenes (total)	60.8	1.00	"	60.0		101	70-130			
Surrogate: 4-BFB (PID)	49.2		"	50.0		98.4	75-120			

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Notes and Definitions

- D-08 Results in the diesel organics range are primarily due to overlap from a gasoline range product.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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