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August 24, 2009

Ms. Olivia Skance Chevron Environmental Management Company 6111 Bollinger Canyon Road, Suite 3636 San Ramon, California, 94583-5186

Subject:

Second Quarter 2009 Groundwater Monitoring Report

Former Chevron Service Station No. 209335

1225 North 45th Street Seattle, Washington

Dear Ms. Skance:

Science Applications International Corporation (SAIC), on behalf of Chevron Environmental Management Company (Chevron), has prepared this letter summarizing the latest groundwater monitoring and sampling results from the above referenced property in Seattle, Washington. The second quarterly 2009 groundwater monitoring and sampling event was conducted by Gettler-Ryan Inc. (G-R) in two parts on June 16 and July 1, 2009.

Groundwater elevation and analytical data; along with field data sheets and a laboratory analytical report are presented in the Gettler-Ryan, Inc. Groundwater Monitoring and Sampling Report, included as Attachment A.

1.0 FIELD ACTIVITIES

Depth-to-groundwater measurements were collected from four of the five monitoring wells present at the Site. Each monitoring well was also checked for the presence of separate-phase hydrocarbon (SPH). SPH was encountered in monitoring well MW-7 and confirmed by bailer, however SPH thickness could not determined, due to an equipment malfunction.

At the time of this monitoring event, groundwater elevations ranged from 170.08 feet Mean Sea Level (MSL) in well MW-9 to 168.57 feet MSL in well MW-10, and had increased an average of 4.02 feet since the previous sampling event in May 2007. Groundwater flow at the time of this event was toward the southeast at a gradient of approximately 0.04 feet per foot (ft/ft). Figure 1 of the enclosed Attachment depicts groundwater flow direction, groundwater elevations and well locations.

Groundwater samples were collected from each of the five monitoring wells at the Site and submitted to Lancaster Laboratories for the following analyses:

- Gasoline-range hydrocarbons by Washington State Department of Ecology (WDOE) Method NWTPH-Gx:
- Diesel- and heavy oil-range hydrocarbons by WDOE Method NWTPH-Dx with silica-gel cleanup;

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- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) by United States Environmental Protection Agency (USEPA) Method 8260; and
- Dissolved Lead by Method USEPA 6020.

2.0 GROUNDWATER ANALYTICAL RESULTS

Diesel-range hydrocarbons was detected exceeding the laboratory reporting limits in monitoring wells MW-6 and MW-8 at concentrations of 270 $\mu g/L$ and 390 $\mu g/L$, which are below the Model Toxics Control Act (MTCA) Method A CUL of 500 $\mu g/L$ for this constitute. Dissolved lead was detected in MW-6 at concentrations of 22.9 micrograms per Liter ($\mu g/L$), which exceeds the respective MTCA Method A Cleanup Level (CUL). None of the groundwater monitoring wells sampled contained gasoline, diesel- or heavy oil-range hydrocarbons, benzene, toluene, ethylbenzene or xylenes at concentrations exceeding the respective MTCA Method A CULs. Groundwater analytical results are summarized in Table 1 of the attached G-R report.

3.0 DISCUSSION

Groundwater has not been sampled at the Site since May of 2007. Additional sampling information will be required before groundwater elevation patterns and analytical trends can be evaluated. Groundwater monitoring and sampling will continue to be performed on a semi-annually basis, with the next sampling event planned for December 2009.

Please contact the undersigned if you have any questions or comments about the information provided herein at (425) 482-3321 or at catterallp@saic.com.

Sincerely.

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

Peter Catterall Project Manager

Enclosures:

Attachment A: Gettler-Ryan Inc., Groundwater Monitoring and Sampling Report, Event of June 16 and July 1, 2009, Chevron Service Station #20-9335, 1225 North 45th Street, Seattle, Washington

cc: WDOE, Northwest Regional Office, Toxic Cleanup Program

Mr. Larry Hard, Seattle Housing Authority

File

Accession # 16102.20090807.001

Attachment A: Gettler Ryan Groundwater Monitoring Report, Event of June 16, 2009, Chevron Service Station #20-9335, 1225 North 45th Street, Seattle, Washington

GETTLER-RYAN INC.

TRANSMITTAL

August 5, 2009 G-R #386750

TO:

Mr. Peter H. Catterall

SAIC

18912 North Creek Parkway, Suite 101

Bothell, WA 98011

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
5	July 30, 2009	Groundwater Monitoring and Sampling Report Event of June 16, 2009 Special Event of July 1, 2009

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced report for <u>your use</u> <u>and distribution to the following:</u>

Ms. Olivia Skance, Chevron Environmental Management Company, 6111 Bollinger Canyon Rd., Room 3636, San Ramon, CA 94583

Mr. Russ Olsen, WDOE Northwest Regional Office, Voluntary Cleanup Program, 3190 160th Avenue S.E., Bellevue, WA 98008

Ms. Veronica Redstone, Housing Resources Group, 1651 Bellevue Avenue, Seattle, WA 98122-2014 Mr. Larry Hard, Seattle Housing Authority, 120 Sixth Avenue North, Seattle, WA 98109-5003

Current Site Check List included.

Enclosure

		CHEVRON -	SITE CHEC	CK LIST		<u> </u>
	Facility#:	Chevron #209335	·	Date: /	2-16e	
	Address:	1225 N. 45Th Street		<u> </u>	2 (4	
•	City/St.:	Seattle, WA			· · · · · · · · · · · · · · · · · · ·	
	Status of Site:	APARTMENT B	UTLDING	<u></u>		
DRUMS:	Please list belo	ow ALL DRUMS @ site: i.e., o	drum description	/ condition	labeling co	ontonte
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i	Well ID	Well Box	Bolts	Well Plug	Well Lock	Other
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7	Additional Comm	nents/Observations:				
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		CHEVRON	- SITE CHE	CK LIST		
	Facility#:	Chevron #209335		Date:	7-1-09	
	Address:	1225 N. 45Th Street		<u></u> <u>-</u>		
	City/St.:	Seattle, WA				
	Status of Site:	APARTMENT RUT	DING (CARAG	2.E	
DRUMS:	Please list bel location of dru	PPARTMENT RUI ow ALL DRUMS @ site: i.e., o m:	drum description	, condition	, labeling, co	ontents,
	#	Description	Condition	Labeling	Contents	Location
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		DRoms			 	
WELLS:	etc.:	the condition of ALL WELLS (@ site: i.e., well	box condit	ion, well plug	g, well lock,
	Well ID	Well Box	Bolts	Well Plug	Well Lock	Other
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	MW-7					
	MW-9		- V		V	
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July 30, 2009 Job #386750

Ms. Olivia Skance Chevron Environmental Management Company 6111 Bollinger Canyon Road, Room 3636 San Ramon CA, 94583

RE: Event of June 16, 2009

Special Event of July 1, 2009

Groundwater Monitoring & Sampling Report Former Chevron Service Station #209335 1225 North 45th Street Seattle, Washington

Dear Ms. Skance:

This report documents the most recent 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 (1) well, MW-7. Static water level data and groundwater elevations are presented in Table 1. Separate Phase Hydrocarbon Thickness/Removal Data is presented in Table 2. A Potentiometric Map is included as Figures 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure -Groundwater Sampling (attached). The field data sheets are attached. The samples were analyzed by a certified laboratory. Analytical results are presented in Table 1. 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.

Douglas J. Lee

Figure 1:

Senior Geologist, L.G. No. 2660

Potentiometric Map

Table 1: Groundwater Monitoring Data and Analytical Results Separate Phase Hydrocarbon Thickness/Removal Data Table 2:

Standard Operating Procedure - Groundwater Sampling Attachments:

Field Data Sheets

Chain of Custody Document and Laboratory Analytical Reports

Douglas J. Lee

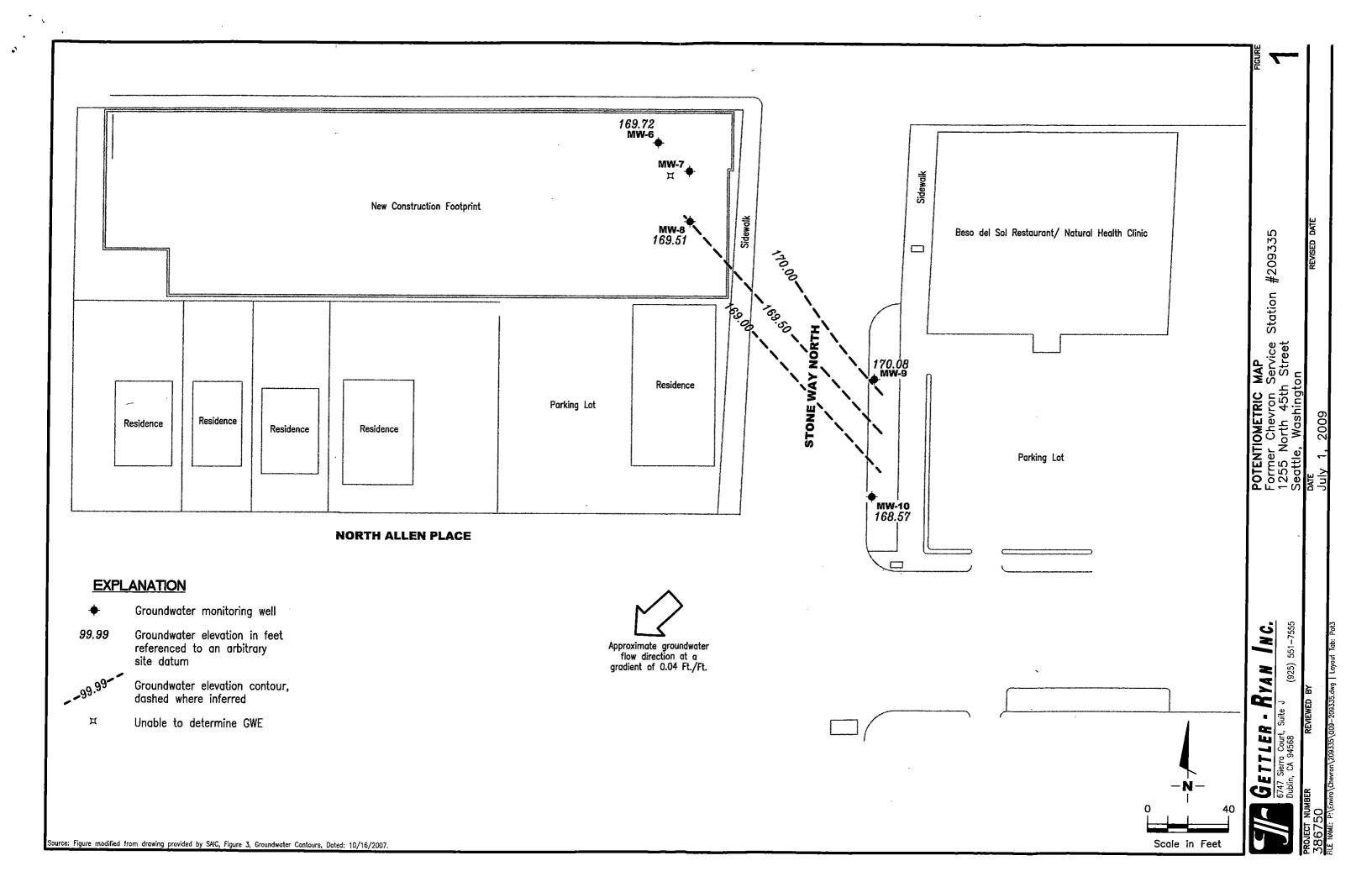


Table 1
Groundwater Monitoring Data and Analytical Results

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WELL ID/		TOC*		DTW	SPHT	GWE	TPH-DRO:	TPH-HRO	TPH-GRO	В	T	L	X	MTBE	D. Lead
DATE		(ft.)	(fi.)	(ft.)	(11)	(ft.)	(µg/L)	(μg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)	(µg/L)	(µg/L)	(mg/L)
MW-1											<u></u>	(6-8)/	1287-9	(PS/P)	(alg/L)
10/11/001		97.95		34.50		63.45									
12/16/00		97.95		35.91	0.00	62.04	$ND^{2,3}$	$ND^{2,3}$	 74.4	 ND					
03/26/01		97.95		36.54	0.00	61.41	ND^3	ND ³	74.4 ND	ND	ND	ND	ND	ND	ND^4
06/25/01		97.95		36.78	0.00	61.17	<281 ³	<842 ³		ND	ND	ND	ND	ND	
09/24/01		97.95		37.14	0.00	60.81	<250 ^{3,8}	<500 ^{3,8}	<50.0 <50.0	<0.500	<0.500	< 0.500	<1.00		
12/13/01		97.95		37.25	0.00	60.70	$<250^3$	$<500^{3}$	<\$0.0 <80.0	<0.500	<0.500	< 0.500	<1.00		
03/08/02	NP	97.95		36.79	0.00	61.16	$<250^3$	<750 ³	<50.0	<0.500	<0.500	< 0.500	<1.00		
05/29/02		97.95		36.44	0.00	61.51	SAMPLED S			<0.50	< 0.50	< 0.50	<1.5		
09/16/02	NP	97.95		36.71	0.00	61.24	<250 ³	<250 ³	<50	-0.50					
12/05/02		97.95		37.09	0.00	60.86	SAMPLED S			<0.50	<0.50	<0.50	<1.5		
03/04/03	NP	97.95		37.26	0.00	60.69	<250 ³	<250 ³							
06/03/03		97.95		37.09	0.00	60.86	SAMPLED S		100	< 0.50	<0.50	< 0.50	<3.0		
10/27/03		97.95		37.42	0.00	60.53									
03/31/04		97.95		37.12	0.00	60.83	<800 ³	<1,000 ³	INSUFFICIENT						
06/28/04		97.95		37.14	0.00	60.83	SAMPLED S	,	<50	<0.5	<0.5	< 0.5	<1.5		
09/29/04		97.95		37.50	0.00	60.45									
01/04/05		97.95		37.61	0.00	60.34	SAMPLED S		INSUFFICIENT	WATER		~=			
ABANDONE				0,,01	0.00	00.54	SAMIFLED S.	CIVII-AININUA	ULLY						
MW-2															
10/11/001		98.70		34.50		64.20									
12/16/00		98.70		36.46	0.00	62.24	1,000 ³	ND^3	28,100						
03/26/01		98.70		37.12	0.00	61.58	1,180 ^{3,5}	ND^3	28,100 17,000	283	2,560	693	4,020	ND^2	0.00194 ⁴
06/25/01		98.70		37.37	0.00	61.33	418 ^{3,5}	<750 ³	•	143	1,450	378	2,180	² ND/ND ⁶	
09/24/01		98.70		37.72	0.00	60.98	4,840 ^{3,7,8}	<557 ^{3,8}	11,700	92.3	547	181	1,010		
12/13/01		98.70		37.89	0.00	60.81	5,540 ^{3,5}	<500 ³	22,100	120	1,380	658	4,100		
03/08/02		98.70	37.24	38.00	0.76	61.31***	•		84,000 THE PRESENC	185	3,960	1,590	9,950		
05/29/02		98.70	36.81	37.54	0.73	61.74***	NOT SAMPL	ים שטע עם יים אונים מש	THE PRESENC	E OF SPH					
09/16/02		98.70	37.19	37.61	0.42	61.43***									
10/15/02		98.70	37.24	37.68	0.44	61.37***	NOT SAMPL	טו שטע עם	THE PRESENC	E OF SPH					
11/22/02		98.70	37.12	37.63	0.51	61.48***	 								
12/05/02		98.70	37.51	38.10	0.59	61.07***			THE DECES						
01/28/03		98.70	36.77	37.33	0.56	61.82***	NOI SAMPL	רם אחת עם	THE PRESENC						
02/13/03		98.70	37.44	38.02	0.58	61.14***									
03/04/03						RKED OVER	 Weii								
					TODD I M	CATA O A EV	WELL								

Table 1
Groundwater Monitoring Data and Analytical Results

WELL ID/	TOC*	DTP	DTW	SPHT	GWE	TPH-DRO	TPH-HRO		В		i de la companya de l	· · · · · · · · · · · · · · · · · · ·	MTBE	
DATE	(ft.)	(fL)	(ft)	(ft.)	(ft.)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	Λ (μg/L)	MIIBE.	D. Lead
MW-2 (cont)						<u></u>			y a - y	(5-87	War.		(µg/L)	(mg/L)
04/21/03	98.70	37.21	37.78	0.57	61.38***									
05/08/03	98.70	37.43	37.94	0.51	61.17***	-								
06/03/03	98.70	37.37	37.91	0.54	61.22***	NOT SAMP	LED DUE TO	 THE DDEEDA						
07/06/03	98.70	36.96	37.51	0.55	61.63***	NOT SAME	CED DUE TO	THE PRESER	ICE OF SPH					
08/18/03	98.70	37.49	38.02	0.53	61.10***									
10/27/03	98.70	37.54	39.98	2.44	60.67**	NOT SAMP	LED DUE TO	TUE DECEN	 ICE OF CDII					
11/17/03	98.70	37.10	37.58	0.48	61.50**	1101 BAWI	LED DUE TO		NCE OF SPH					
12/31/03	98.70	36.18	38.19	2.01	62.12**							 .		
02/09/04	98.70	37.00	37.49	0.49	61.60**		~-							
03/04/04	98.70	35.85	37.06	1.21	62.61**									
03/31/04	98.70	37.32	39.05	1.73	61.03**	NOT SAMD	LED DUE TO	THE DECEN	IOE OE OBLI					
06/28/04	98.70	37.32	39.05	1.73	61.03**		LED DUE TO							
09/11/04	98.70	37.65	39.10	1.45	60.76**	NOI SAMI								
09/29/04	98.70	37.71	39.39	1.68	60.65**	NOT CAND	 LED DUE TO:	THE DRESEN	IOE OF CRIX					
11/22/04	98.70	36.89	38.16	1.00	61.56**	NOT SAMP	LED DUE TO	THE PRESEN						
01/04/05	98.70	37.88	39.80	1.92	60.44**	NOT CAMD	 (ED DIJE TO :	THE DATED						
01/14/05	98.70	37.49	39.02	1.53	60.90**	NOI SAMP	LED DUE TO	THE PRESEN						
ABANDONED		27.15	37.02	1.33	00.50									
MW-3														
10/11/00 ¹	98.76		24.00	Į.										
12/16/00			34.00		64.76	2								
03/26/01	98.76		36.39	0.00	62.37	ND_{3}^{3}	ND^3	ND	ND	0.612	ND	1.95	ND	ND^4
06/25/01	98.76		37.05	0.00	61.71	ND^3	ND^3	ND	ND	ND	ND	ND	ND	
09/24/01	98.76		37.29	0.00	61.47	<250 ³	<750 ³	<50.0	< 0.500	< 0.500	< 0.500	<1.00		
12/13/01	98.76		37.64	0.00	61.12	<250 ^{3,8}	<500 ^{3,8}	<50.0	< 0.500	< 0.500	< 0.500	<1.00		
03/08/02 · NI	98.76		37.78	0.00	60.98	<250 ³	<500 ³	<80.0	< 0.500	<0.500	< 0.500	<1.00		
05/29/02 NI			37.28	0.00	61.48	$<250^{3}$	<750 ³	320	< 0.50	0.64	2.1	15		
09/16/02 NI	98.76		36.92	0.00	61.84		SEMI-ANNUA							
12/05/02 NE			37.21	0.00	61.55	$<250^3$	$<250^3$	<50	< 0.50	< 0.50	< 0.50	<1.5		
	98.76		37.58	0.00	61.18		SEMI-ANNUA	LLY						
03/04/03 NE 06/03/03	, , , , ,		37.79	0.00	60.97	$<250^3$	$<250^3$	<50	< 0.50	< 0.50	< 0.50	<1.5		
	98.76		37.68	0.00	61.08		SEMI-ANNUA	LLY						
			38.00	0.00	60.76	$<250^{3}$	<250 ³	<50	<0.5	< 0.5	<0.5	<1.5	<u></u>	
03/31/04 NF	98.76		37.65	0.00	61.11	<800 ³	<1,000 ³	<50	< 0.5	<0.5	<0.5	<1.5	·	

Table 1
Groundwater Monitoring Data and Analytical Results

Table 1		 						Scattle, wa	simgion						•
WELL ID	<i>t</i>	TOC*	DTP	DTW	SPHT	GWE	TPH-DRO	TPH-HRO	TPH-GRO	В	T	E	X	MTBE	D. Lead
DATE		(ft.)	(fi.)	(ft)	(ft.)	(fi.)	(μg/L)	(µg/L)	(μg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)	(μg/L)	(mg/L)
MW-3 (co	nt)											V-8:/	······································	····(#8/47	(#18/2/
06/28/04		98.76		37.68	0.00	61.08	SAMPLEDS	SEMI-ANNUA	IIV						
09/29/04	NP	98.76		38.01	0.00	60.75	<250 ³	<250 ³	<50	 -0.5		.0.5			
01/04/05		98.76		38.19	0.00	60.57		SEMI-ANNUA		<0.5	<0.5	<0.5	<1.5		
ABANDO	NED					00127	S. HVII EED L	DEMI-MINION	uct i						
MW-4															
10/11/00 ¹		98.52		35.00		63.52									
12/16/00		98.52		36.35	0.00	62.17	$ND^{2,3}$	$ND^{2,3}$	58,200	326	 5 500			2	
03/26/01		98.52		37.00	0.00	61.52	266 ^{3,5}	ND^3	27,200		5,520	1,430	8,520	ND^2	0.0123 ⁴
06/25/01		98.52		37.25	0.00	61.27	$<250^3$	$<750^{3}$	12,300	178	2,160	785	4,160	² ND/ND ⁶	
09/24/01		98.52		37.60	0.00	60.92	<250 ^{3,8}	<500 ^{3,8}	· ·	69.0	654	416	1,910		
12/13/01		98.52		37.72	0.00	60.80	$<250^3$	<500 ³	4,130	30.1	154	197	684		
03/08/02	NP	98.52		38.36	0.00	60.16	$<250^3$	<750 ³	5,490	30.3	175	177	679		
05/29/02	NP	98.52		36.86	0.00	61.66	$<250^3$	$<750^3$	9,000	<50	150	170	710		
08/07/02		98.52		36.92	0.00	61.60			6,700	22	150	190	780		
09/16/02	NP	98.52		37.16	0.00	61.36	<250 ³	<250 ³							
12/05/02	NP	98.52		37.53	0.00	60.99	$<250^3$	<250	7,500	46	230	240	630		
03/04/03		98.52	36.68	36.71	0.03	61.83***			14,000	73	400	540	1,500		
06/03/03		98.52	36.59	36.63	0.03	61.92***	NOT SAMPL	ED DUE TO	THE PRESENC	CE OF SPH					
07/06/03		98.52	36.90	36.93	0.04	61.61***		ED DOE 10	THE PRESENC	CE OF SPH					
08/18/03		98.52	36.76	36.80	0.03	61.75***									
10/27/03	NP	98.52		37.96	0.04	60.56	 -4003	-5003							
11/17/03	- 1.	98.52	36.34	36.37	0.00	62.17**	<400 ³	. <500 ³	2,200	. 16	55	76	170		
12/31/03		98.52	50.54	.36.88	0.03										
02/09/04		98.52	36.14	36.17	0.00	61.64									
03/04/04		98.52		36.74	0.03	62.37**									
03/31/04	NP	98.52		37.59	0.00	61.78									·
06/28/04	NP	98.52		37.54		60.93	<250 ³	<250 ³	3,900	14	96	110	340		
09/11/04	141	98.52	37.78	37.34 37.81	0.00	60.98	<250 ³	$<250^3$	1,600	8.5	15	59	110		
09/29/04	NP	98.52			0.03	60.73**		3							
11/22/04	141	98.52 98.52		37.86	0.00	60.66	<250 ³	<250 ³	1,500	18	40	76	170		
01/04/05	NP	98.52		36.81	0.00	61.71									
01/14/05	141	98.52		38.11	0.00	60.41	$1,600^3$	$<250^3$	1,600	10	13	60	110		<u></u>
ABANDON	VED	90.JZ		37.58	0.00	60.94									
TANKE INC.	مونده														

Table 1
Groundwater Monitoring Data and Analytical Results

					•		Scattle, wa	Simplon						
WELL ID/	TOC*	DTP	DTW	SPHT	GWE	TPH-DRO	TPH-HRO	TPH-GRO	::::: B	\mathbf{T}	i e e e e e e e e e e e e e e e e e e e	X.	MTBE	D. Lead.
DATE	(ft)	(ft.)	(ft.)	(fi.)	(ft.)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(ug/L)	(mg/L)
MW-5														(0.18)
10/11/00 ¹	99.42		34.50		64.92									
12/16/00	99.42		37.18	0.00	62.24	5,080 ³	ND^3	146,000	ND ²	15,100	4.160			
03/26/01	99.42		37.91	0.00	61.51	77,900 ^{3,5}	ND ³	149,000	256	10,600	4,160	24,100	ND ²	0.0200 ⁴
06/25/01	99.42		38.14	0.00	61.28	109,000 ³	$<18,100^3$	127,000	210	9,580	4,000	24,200	² ND/ND ⁶	
09/24/01	99.42	38.40	38.44	0.04	61.01***	•		THE PRESENC		9,360	3,730	21,500		
12/13/01	99.42	38.55	38.59	0.04	60.86***			THE PRESENC						
03/08/02	99.42	37.96	38.46	0.50	61.36***			THE PRESENC						
05/29/02	99.42	37.60	38.05	0.45	61.73***			THE PRESENC						
08/07/02	99.42	37.73	38.12	0.39	61.61***	NOI SAIVIL	ED DOE 10	THE FRESENC	LE OF SPH					
09/16/02	99.42	38.00	38.39	0.39	61.34***	NOT SAMDI	בה חנוב דה מום חם	THE PRESENC	TE OF CRIT					
10/15/02	99.42	38.09	38.47	0.38	61.25***	NOI SAMIL	ED DUE TO	THE PRESENC	LE OF SPH					
11/22/02	99.42	37.84	38.26	0.42	61.50***									
12/05/02	99.42	38.42	38.78	0.42	60.93***	NOT SAMPI	ED DIE TO	 THE PRESENC						
01/28/03	99.42	37.88	38.24	0.36	61.47***	NOT SAIVIFL	טו שטע עם	THE PRESENC	LE OF SPH					
02/13/03	99.42	38.33	38.68	0.35	61.02***									
03/04/03	99.42	37.54	37.89	0.35	61.81***	NOT CAMPI	 ED DUE TO	 THE DDECENIA						
04/21/03	99.42	37.96	38.29	0.33	61.39***	NOT SAMPL	טו שטע עש	THE PRESENC	E OF SPH					
05/08/03	99.42	38.50	38.82	0.33	60.86***									
06/03/03	99.42	37.42	37.76	0.32	61.93***	NOT CANDI	 ED DIE 30	 						
07/06/03	99.42	37.77	38.11	0.34	61.58***		ED DUE IU	THE PRESENC	E OF SPH					
08/18/03	99.42	38.54	38.86	0.34	60.82***									
10/27/03	99.42		Y/OBSTRU											
11/17/03	99.42	37.87	38.17	0.30	61.49**									
12/31/03	99.42	WELL DRY			01.49									
02/09/04	99.42	WELL DRY			-									
03/04/04	99.42	WELL DRY												
03/31/04	99.42	WELL DR												
06/28/04	99.42	WELL DRY												
09/11/04	99.42	WELL DRY					. 							
09/29/04	99.42	WELL DRY												
11/22/04	99.42	WELL DRY												
01/04/05	99.42	WELL DRY												
01/14/05	99.42	WELL DRY												
ABANDONED	· · -	DK	ODDINO											

Table 1
Groundwater Monitoring Data and Analytical Results

F							Beattle, wa	Simigron						
WELL ID/	TOC*		DTW	SPHT	GWE	TPH-DRO	TPH-HRO	TPH-GRO	В	T	E	X	MTBE	D. Lead
DATE	(ft.)	(ft)	(fi.)	(ft.)	(fi.)	(μg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)	(μg/L)	(μg/L)	(µg/L)	(mg/L)
MW-6					_							12-8-25	(#8:47	·····(4:6/. // /
02/09/06	197.18		36.74	0.00	160.44	680	98	1500	-0.5			_		
05/03/07	197.18		36.74	0.00	160.44	1000			<0.5	0.7	1.2	37		
06/16/09		INACCE			100.44		130	380	29	1	4	30		
07/01/09 N			27.46	0.00	169.72	270 ³	 <70 ³							
			27.40	0.00	109.72	270	0</td <td><50</td> <td><0.5</td> <td><0.5</td> <td><0.5</td> <td><1.5</td> <td></td> <td>22.9</td>	<50	<0.5	<0.5	<0.5	<1.5		22.9
MW-7			•											
02/09/06	197.42	37.87	38.17	0.30	159.49**	- -								
05/03/07	197.42		27.80	0.00	169.62**									
06/16/09		INACCE												
07/01/09 ⁹	197.42		_10	10	10	NOT CAMPI	 (ED DIII							
07701707	177.42	21,39	_			NUI SAMIPI	LED DUE TO	THE PRESE	NCE OF SPH					
MW-8														
02/09/06	197.35		36.74	0.00	160.61	280	<96	440	<0.5	1.1	2.2	0.0		
05/03/07	197.35		36.74	0.00	160.61	940	<200	2600	<0.5	1.1	3.3	28		
06/16/09	197.35	INACCE								<0.5	<0.5	<0.5		
07/01/09 NE			27.84	0.00	169.51	390 ³	<700 ³	430	 -0.5			_		
				0100	107.51	570	~700	430	<0.5	<0.5	<0.5	2.2		3.5
MW-9														
05/03/07	208.11		36.74	0.00	171.37	<400	<500	<50	<0.5	<0.5	4	10		
06/16/09	208.11		38.72	0.00	169.39			< 50			4	18		
07/01/09 NF			38.03	0.00	170.08	<31 ³	<71 ³		<0.5	<0.5	<0.5	<1.5		19.3
				3.00	170.00	V1	-/1			<u></u>	_			
MW-10														
05/03/07	207.29		36.74	0.00	170.55	<0.5	<0.5	<0.5	<0.5	<0.5	-0.5	-0.5		
06/16/09	207.29	INACCES	SSIBLE			_		-			<0.5	<0.5		
07/01/09 NP			38.72	0.00	168.57	<30 ³	<69 ³	<50	 -0.5					_
				*****	100.57	20	-0)	~30	<0.5	<0.5	<0.5	<1.5		10.9
TRIP BLANK														
12/16/00					· 			ND	ND	ND	NIP	3.15		
03/26/01								ND	ND		ND	ND	ND	
06/25/01								<50.0	<0.500	ND	ND	ND	ND	
200225	wla#20/26							~50.0	~0.500	< 0.500	<0.500	<1.00		

Table 1 Groundwater Monitoring Data and Analytical Results

WELL ID/	TOC*	DTP	DTW	SPHT	GWE	TPH-DRO	TPH-HRO	TPH-GRO	В	30000 1 00000	1000 100 100 100 100 100 100 100 100 10	X	MTBE	D. Lead
DATE	(ft.)	(ft.)	(ft)	(ft.)	(ft.)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/ L)	(μg/L)	(µg/L)	(µg/L)	(mg/L)
TRIP BLANK	(cont)											<u> </u>	<u>v.a7,.,</u>	
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		
03/08/02								<50	< 0.50	< 0.50	<0.50	<1.5		
05/29/02								<50	< 0.50	< 0.50	<0.50	<1.5		
09/16/02								<50	< 0.50	< 0.50	<0.50	<1.5		
12/05/02								<50	< 0.50	< 0.50	<0.50	<1.5		
03/04/03								<50	< 0.50	< 0.50	<0.50	<1.5		
10/27/03								<50	<0.5	< 0.5	< 0.5	<1.5		
QA														
03/31/04								<50	< 0.5	< 0.5	< 0.5	<1.5		
06/28/04								<50	<0.5	< 0.5	<0.5	<1.5		
09/29/04								<50	<0.5	< 0.5	< 0.5	<1.5		
01/04/05								<50	< 0.5	< 0.5	<0.5	<1.5		
06/16/09					-	_	-	<50	<0.5	<0.5	<0.5	<1.5		
07/01/09						-		<50	<0.5	<0.5	<0.5	<1.5		

		TPH-HRO	TPH-GRO	В	T	E	X	MTBE	D. Lead
Standard Laboratory Reporting Limits:			50	0.5	0.5	0.5	1.5	_	0.00100
MTCA Method A Cleanup Levels:		500	800/1,000	5	1,000	700	1,000	20	
Current Method:	NWTPH-Dx	+ Extended		N	WTPH-Gx 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. Groundwater monitoring data and laboratory analytical results for February 9, 2006, and May 3, 2007 events were compiled from reports prepared by SAIC.

TOC = Top of Casing	DRO = Diesel Range Organics	D. Lead = Dissolved Lead
(ft.) = Feet	HRO = Heavy Range Organics	
DTP = Depth to Product	GRO = Gasoline Range Organics	ND = Not Detected
DTW = Depth to Water	B = Benzene	NP = No Purge
GWE = Groundwater Elevation		= Not Measured/Not Analyzed
SPH = Separate Phase Hydrocarbon	T = Toluene	QA = Quality Assurance/Trip Blank
	E = Ethylbenzene	MTCA = Model Toxics Control Act Cleanup Regulations
SPHT = Separate Phase Hydrocarbon Thickness	X = Xylenes	[WAC 173-340-720(2)(a)(I), as amended 02/01].

TPH = Total Petroleum Hydrocarbons MTBE = Methyl Tertiary Butyl Ether

- * TOC elevations provided by SAIC. TOC elevations are referenced to mean sea level.
 TOC elevations have been provided by Delta Environmental Consultants, Inc. referenced to an assumed datum in feet.
- ** GWE has been corrected for the presence of SPH; correction factor = [(TOC DTW) + (SPHT x 0.80)]
- *** GWE has been corrected for the presence of SPH; correction factor = [(TOC DTP SPHT) + (SPHT x 0.80)]; Historical data has been altered to correct error in original reporting of depth to product as depth to water.
- Data provided by Delta Environmental Consultants, Inc.
- Detection limit raised. Refer to analytical reports.
- Analyzed with silica-gel cleanup.
- Filtered at the laboratory.
- Laboratory report indicates results in the diesel organics range are primarily due to overlap from a gasoline range product.
- MTBE by EPA Method 8260.
- Laboratory report indicates the sample chromatographic pattern does not resemble the fuel standard used for quantitation.
- Laboratory report indicates the sample was prepared outside of the method established holding time.
- 9 Skimmer in well.
- Interface probe could not detect this type of LNAPL, unable to gauge hydrocarbon thickness. From visual confirmation estimate thickness to be approximately 1.5 feet.

Table 2 Separate Phase Hydrocarbon Thickness/Removal Data

****				SPH	AMOUNT BAILED
WELL ID	DATE	DTP (fi.)	DTW (ft.)	THICKNESS (ft.)	(SPH + WATER) (gallons)
MW-2	03/08/02	37.24	38.00	0.76	2.00
	05/29/02	36.81	37.54	0.73	2.00
	09/16/02	37.19	37.61	0.42	2.00
	10/15/02	37.24	37.68	0.44	2.00
	11/22/02	37.12	37.63	0.51	2.00
	12/05/02	37.51	38.10	0.59	2.00
	01/28/03	36.77	37.33	0.56	2.00
	02/13/03	37.44	38.02	0.58	2.00
	03/04/03	INACCESSIBLE - VE	HICLE PARKED OVE	ER WELL	
	04/21/03	37.21	37.78	0.57	2.00
	05/08/03	37.43	37.94	0.51	2.00
	06/03/03	37.37	37.91	0.54	2.00
	07/06/03	36.96	37.51	0.55	2.00
	08/18/03	37.49	38.02	0.53	2.00
•	10/27/03	37.54	39.98	2.44	2.00
	11/17/03	37.10	37.58	0.48	2.00
	12/31/03	36.18	38.19	2.01	2.00
	02/09/04	37.00	37.49	0.49	2.00
	03/04/04	35.85	37.06	1.21	2.00
	03/31/04	37.32	39.05	1.73	0.00
	06/28/04	37.32	39.05	1.73	2.00
	09/11/04	37.65	39.10	1.45	0.00
	09/29/04	37.71	39.39	1.68	2.00
	1.1/22/04	36.89	38.16	1.27	2.00
	01/04/05	37.88	39.80	1.92	2.00
	01/14/05	37.49	39.02	1.53	2.00
	ABANDONED	•			
MW-4	03/04/03	36.68	36.71	0.03	0.33
	06/03/03	36.59	36.63	0.04	0.33
	07/06/03	36.90	36.93	0.03	0.33
	08/18/03	36.76	36.80	0.04	0.33
	10/27/03		37.96	0.00	0.00
	11/17/03	36.34	36.37	0.03	0.33
	12/31/03		36.88	0.00	0.00
	02/09/04	36.14	36.17	0.03	0.33
	03/04/04		36.74	0.00	0.00
	03/31/04		37.59	0.00	0.00
	06/28/04		37.54	0.00	0.00
	09/11/04	37.78	37.81	0.03	0.00
	09/29/04		37.86	0.00	. 0.00
	11/22/04		36.81	0.00	0.00
	01/04/05		38:11	0.00	0.00
	01/14/05		37.58	0.00	0.00
	ABANDONED			,	
MW-5	09/24/01	38.40	38.44	0.04	0.00
	12/13/01	38.55	38.59	0.04	0.00
	03/08/02	37.96	38.46	0.50	2.00
	05/29/02	37.60	38.05	0.45	2.00

Table 2 Separate Phase Hydrocarbon Thickness/Removal Data

WELL ID	DATE	DTP (fi.)	DTW (ft.)	SPH THICKNESS (ft.)	AMOUNT BAILED (SPH + WATER) (gallons)
MW-5 (cont)	08/07/02	37.73	38.12	0.39	2.00
	09/16/02	38.00	38.39	0.39	2.00
	10/15/02	38.09	38.47	0.38	2.00
	11/22/02	37.84	38.26	0.42	2.00
	12/05/02	38.42	38.78	0.36	2.00
	01/28/03	37.88	38.24	0.36	2.00
	02/13/03	38.33	38.68	0.35	2.00
	03/04/03	37.54	37.89	0.35	2.00
	04/21/03	37.96	38.29	0.33	2.00
	05/08/03	38.50	38.82	0.32	2.00
	06/03/03	37.42	37.76	0.34	2.00
	07/06/03	37.77	38.11	0.34	2.00
	08/18/03	38.54	38.86	0.32	2.00
	10/27/03	WELL DRY/OBSTRUCTED			
	11/17/03	37.87	38.17	0.30	2.00
	12/31/03	WELL DRY/OBSTRUCTED			
	02/09/04	WELL DRY/OBSTRUCTED			
	03/04/04	WELL DRY/OBSTRUCTED			70
	03/31/04	WELL DRY/OBSTRUCTED			
	06/28/04	WELL DRY/OBSTRUCTED			
	09/11/04	WELL DRY/OBSTRUCTED			
	09/29/04	WELL DRY/OBSTRUCTED			
	11/22/04	WELL DRY/OBSTRUCTED			
	01/04/05	WELL DRY/OBSTRUCTED			
	01/14/05	WELL DRY/OBSTRUCTED			
	ABANDONED				
MW-7	06/16/09	INACCESSIBLE			
•	07/01/09	27.39	1	1	0.00

Table 2

Separate Phase Hydrocarbon Thickness/Removal Data

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

EXPLANATIONS:

DTP = Depth to Product

DTW = Depth to Water

(ft.) = Feet

SPH = Separate Phase Hydrocarbons

-- = Not Measured/Not Analyzed

Note: Historical data has been altered to correct error in original reporting of depth to product as depth to water.

Interface probe could not detect this type of LNAPL, unable to gauge hydrocarbon thickness. From visual confirmation estimate thickness to be approximately 1.5 feet.

FORMER CHEVRON SERVICE STATION #209335 Seattle, Washington

FIRST SEMI-ANNUAL
MONITORING & SAMPLING
EVENT OF
JUNE 16, 2009



Client/Facility#:	Chevron #209335	<u> </u>	Job Number:	386750	
Site Address:	1225 N. 45Th Stre	eet	Event Date:	6-16	(inclusive)
City:	Seattle, WA		Sampler:	11.1	(,
Well ID	MW- (p	•	Date Monitored:		
Well Diameter	2 in.	Volu	me 3/4"= 0.	.02 1"= 0.04 2"= 0.17	3"= 0.38
Total Depth	38/38 ft.		or (VF) 4"= 0.		12"= 5.80
Depth to Water	— ft. [Check if water colur	nn is less then 0.5	50 ft.	
	xVF			= Estimated Purge Volume:	gal.
Depth to Water	w/ 80% Recharge [(Heigh	nt of Water Column x 0.20)	+ DTW]:		
				Time Started:	(2400 hrs)
Purge Equipment:	/	Sampling Equipment	•	Depth to Product:	(2400 hrs)
Disposable Bailer		Disposable Bailer		Depth to Water:	ft
Stainless Steel Baile	er	Pressure Bailer		Hydrocarbon Thicknes	s:ft
Stack Pump		Discrete Bailer	/	Visual Confirmation/De	escription:
Suction Pump Grundfos	-/	Peristaltic Pump		Skimmer / Absorbant S	Sock (circle one)
	/	QED Bladder Pump	-/	Amt Removed from Sk	immer:gal
Peristaltic Pump QED Bladder Pump		Other:	/	Amt Removed from W	ell:gal
•		,	_	Water Removed:	l
Other:				Product Transferred to	· · · · · · · · · · · · · · · · · · ·
Start Time (purge Sample Time/Da Approx. Flow Ra Did well de-water Time (2400 br-)	te: gpm.	Weather Co Water Color Sediment D Volu Conductivity (µmhos/cm - µS)	escription: me: Temperature (F)	_Odor: Y / N	RP
SAMPLE ID	(#) CONTAINER REFE	IG. PRESERV. TYPE	LABORATORY	ANALYSE	:S
MW-	x voa vial YE		LANCASTER	NW(TPH-Gx/BTEX(8021)	
<u></u>	x 1 liter ambers YES	- 	LANCASTER	NWTPH-Dx w/sgc	
l/	x 500ml poly YES	HNO3	LANCASTER	TOTAL LEAD (ICP/MS, 6020)	
- 4		\forall	 		
<u> </u>			 		
					
COMMENTS:	UNABLE	TO ACCES	<u> </u>		
			-	,	
Add/Replaced L	.ock: #	add/Replaced Plug:		Add/Replaced Bolt:	



Client/Facility#:	Chevron #2	09335		Job	Number:	386750		
Site Address:	1225 N. 45T	h Street		—— Ever	nt Date:	6-16		(inclusive)
City:	Seattle, WA			Sam		/		(\(\text{\text{totasive}}\)
								
Well ID	MW- 7	,		Date Me	onitored:	·	-	
Well Diameter	2 ir	— า.	ſ	Volume	3/4"= 0.02		01 0 47	<u> </u>
Total Depth	41,67 #			Factor (VF)	4"= 0.66		2"= 0.17 6"= 1.50	3"= 0.38 12"= 5.80
Depth to Water	ft		ا heck if water	column is less	then 0.50	ft.		
	-	xVF		x3 cas			e Volume:	C ∩al
Depth to Water	w/ 80% Recharge	— € [(Height of V	Vater Column x	0.20) + DTW]:		_		gui.
						Time Sta		(2400 hrs)
Purge Equipment:			ampling Equip		•	Depth to	Product:	(2400 hrs)
Disposable Bailer			isposable Bailer			Depth to	Water:	ft
Stainless Steel Baile	»r		ressure Bailer				rbon Thicknes	
Stack Pump			iscrete Bailer				onfirmation/De	
Suction Pump	/		eristaltic Pump	/		<u></u>	- / Ab 1'	
Grundfos			ED Bladder Pun	np /		Amt Ren	r / Absorbant &	Sock (circle one) immer: gal
Peristaltic Pump	-/	0	ther:			Amt Ren	noved from W	ell:gal
QED Bladder Pump	/		•	•			emoved:	ya:
Other:						Product ⁻	Transferred to	:
						<u> </u>		
Start Time (purge				er Conditions	: <u> </u>			
Sample Time/Da			Water 0			Odor: Y / I	N	
Approx. Flow Ra		gpm.	Sedime	nt Description	n:			
Did well de-water	r?/ff	yes, Time:	· · · · · ·	Volume:	g	al. DTW @	Sampling:	
Time	Value			_				
(2400 hr.)	Volume ,∕gal.)	pН	Conductivity			0. 0.	OF (
(= ,	/s/		(priniparent - p			(mg/L)	(m	v)
	/			_/			- —	
				. -				
								
SAMPLE ID	(#) CONTAINER	REFRIG.	ABORATOR PRESERV. T			 		
MW-	x yoa vial	YEŞ	HCL		RATORY ASTER N	WTPH-Gx/BT	ANALYSE	S
	x 1 liter ambers	YES	HCL			WATPH-Dx w/s		
-	x 500ml poly	YES	HNO3			OTAL LEAD (I		
		/	<u></u>		, to I E I .		51 7410 0020)	
-								
l.	P) A / A			0=0/0	ــــــــــــــــــــــــــــــــــــــ			
COMMENTS: _	UNA	300	10 %	CCC>	<u> </u>			
 								
		 ;						
Add/Replaced L	ock:	Add/F	Replaced Plug	g:	Δ	Add/Replace	d Bolt	
•					– ′			 _



Client/Facility#:	Chevron #2	09335		Job	Number:	386750		
Site Address:	1225 N. 45T	h Street		 Ever	nt Date:	6-16		— (inclusive)
City:	Seattle, WA	·		Sam		/		(IIIoldalVC)
·					pior.			_
Well ID	ww- 🗸	•		Date M	onitored:	6-16		
Well Diameter	2 i	 1.		Volume				
Total Depth	41-63 f	 i.		Factor (VF)	3/4"= 0.0 4"= 0.6		2"= 0.17 3"= 1 6"= 1.50 12"= 1	
Depth to Water	f		ا Check if water	column is less	then 0.50			
	c	xVF				Estimated Purge	Volume:	gal.
Depth to Water	w/ 80% Recharg	— € [(Height of \	Water Column x	0.20) + DTW]:				
Barrera Marie Carrera and		_				Time Sta	rted: mpleted:	(2400 hrs)
Purge Equipment:			Sampling Equip				Product:	
Disposable Bailer		/	Disposable Bailer	r <u></u>		Depth to	Water:	ft
Stainless Steel Baile	er —		ressure Bailer				bon Thickness:	ft
Stack Pump	/	_	Discrete Bailer			Visual Co	onfirmation/Descrip	tion:
Suction Pump Grundfos			eristaltic Pump			Skimmor	/ Absorbant Sock (
Peristaltic Pump			ED Bladder Pur	^{mp} /		Amt Rem	oved from Skimme	circle one) r: nal
QED Bladder Pump	/	U)ther:	/		Amt Rem	oved from Well;	gal
Other:		•	. /			Water Re	moved:	
Other						Product	ransferred to:	
Start Time /surse								
Start Time (purge				er Conditions	·		<u> </u>	
Sample Time/Da			_	Color:		Odor: Y / N	·	
Approx. Flow Ra		gpm.	1	ent Description				·
Did well de-water	r	yes, Time:	· / -	Volume:	9	gal. DTW @	Sampling:	
Time	Volume		Conductivity	v Tempe	erature	D .O.	ORP	
(2400 hr.)	(gal.)	pH /	(µmhos/cm - į		F	(mg/L)	(mV)	
•		/						
	/							
								_
		`						-
		·	4505450					
SAMPLE ID	(#) CONTAINER	REFRIG.	_ABORATOF		ATION RATORY	· ·	ANALYSES	
MW-	x voa vial	YES	HCL			NWTPH-Gx/BTE		
	x 1 liter ambers	YES	HCL			NWTPH-Dx w/sg		
	x 500ml poly	YES	NO3	LANC	ASTER	TOTAL LEAD (IC	P/MS 6020)	
ļ 					\longrightarrow			
							-	
COMMENTS	() 1 1 1	PATE C	TO ACC	CECS				
COMMENTS:	UNIK	u.	10 114	(C)				
			· .	-			<u> </u>	
			·					
Add/Replaced L	.ock:	Add/F	Replaced Plu	g:	,	Add/Replaced	f Bolt:	



Client/Facility#:	: Chevron #2	09335		Job Number	: 386750		
Site Address:	1225 N. 45T	h Street		Event Date:	6-16		 (inclusive)
City:	Seattle, WA			 Sampler:	111		_ (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
							_
Well ID	MW- 9			Date Monitored	: 6-11		
Well Diameter	2 ii	 n.	[Ve	olume 3/4"= 0		211-047 211-04	<u>.</u>
Total Depth	41,57 f	 t.		ictor (VF) 4"= 0		2"= 0.17	
Depth to Water	38.72 f		Check if water col	umn is less then 0.5	50 ft.		
Depth to Water	<u> 2-85</u> w/ 80% Recharge	_xVF <i>_ /</i>	Water Column v 0.2	$\frac{1}{2}$ x3 case volume $\frac{1}{2}$ 0) + DTW]: $\frac{39}{4}$	= Estimated Purge \	/olume: LZ	gal.
		- I(moight of	TVALOR CORGINAL X 0.2	.0) · [5] VV]	Time Starte	ed:	(2400 hrs)
Purge Equipment:		;	Sampling Equipme	nt:	Time Comp	oleted:	(2400 hrs)
Disposable Bailer	X_	i	Disposable Bailer		Depth to M	roduct: /ater:	ft
Stainless Steel Baile	er	I	Pressure Bailer			on Thickness:	ft ft
Stack Pump		1	Discrete Bailer			firmation/Descriptio	
Suction Pump		F	Peristaltic Pump		 _		
Grundfos			QED Bladder Pump		Skimmer / /	Absorbant Sock (cir	cle one)
Peristaltic Pump		(Other:		Amt Remov	red from Skimmer:_ red from Well:	gal
QED Bladder Pump Other:					Water Rem	oved:	gar
Other					Product Tra	nsferred to:	
Start Time /	14130	 -			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/	
Start Time (purge		7 77		Conditions:	DYMW)	<u> </u>	
Sample Time/Da	_ <u></u>			or: <u>Cleer</u>	_Odor: Y 🕼		
Approx. Flow Ra		gpm.		Description:	ine	<u> </u>	
Did well de-wate	er? <u>16</u> If	yes, Time	:: Vo	lume:	gal. DTW @ Sa	ampling: 🔼	, 84
Time	Volume		Conductivity	: Temperature	D.O.	ORP	
(2400 hr.)	(gal.)	рH	(µmhos/cm (µS)	(© / F)	(mg/L)	(mV)	
1434	0.5	696	71/-	15 4	, ,	(,,,,	
1428	- 	Co GU	-3.60	15			
1442	1125	8.90	374	15-51			
							
							
SAMPLE ID	(#) CONTAINER	REFRIG.	LABORATORY		· · · · · · · · · · · · · · · · · · ·		
MW- 9'	x voa vial	YES	PRESERV. TYP	E LABORATORY LANCASTER	NWTPH-Gx/BTEX	ANALYSES	
	Z x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc		
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (ICP	/MS 6020)	
	·						
 _		<u> </u>	 		ļ		
							
COMMENTS:					'	·	
························		 -					
							
A 1100							
Add/Replaced L	.ock:	Add/l	Replaced Plug:		Add/Replaced B	Bolt: _	



Client/Facility#:	Chevron #209	9335		Job Number	: 386750	
Site Address:	1225 N. 45Th	Street		Event Date:	Co-16	(inclusive)
City:	Seattle, WA			Sampler:	44/	(molderve)
					Joce	
Well ID	MW- (0			Date Monitored	fant F	
Well Diameter	2 in.		<u> </u>			
Total Depth	35-94 ft.		Volum	ne 3/4"≂ 0 r (VF) 4"= 0		
Depth to Water		П o-				1.50 12"= 5.80
Depth to water	ft.		ck if water colum			
Depth to Water	w/ 80% Recharge				= Estimated Purge Volu	
Dunna Fausiana t		_			Time Started:_	(2400 hrs) d:(2400 hrs)
Purge Equipment:			pling Equipment:	,	Depth to Produ	ct:ft
Disposable Bailer	/-		osable Bailer		Depth to Water	:
Stainless Steel Baile	r <u>/-</u>		sure Bailer		Hydrocarbon T	nickness: ft
Stack Pump	/		rete Bailer		Visual Confirma	ation/Description:
Suction Pump	/		staltic Pump		Skimmer / Aha	orbant Sock (circle one)
Grundfos			Bladder Pump	/	Amt Removed	from Skimmer: gal
Peristaltic Pump		Othe	r:	<u>/</u>	Amt Removed	rom Well: gal
QED Bladder Pump					Water Remove	d:
Other:	·				Product Transfe	erred to:
Start Time (purge Sample Time/Da Approx. Flow Ra Did well de-water Time (2400 hr.)	te: / te:	LAI	Weather Colors Water Colors Sediment De Volun Conductivity umhos/cm - µS)	escription: me: Température (C / F)	_Odor: Y / Ngal. D\W @ Sam	oling:
SAMPLE ID	(#) CONTAINER	REFRIG. I	PRESERV. TYPE	LABORATORY	AN	ALYSES
MW-	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(802	1)
	x 1 liter ambers x 500ml poly	YES YES	HCL	LANCASTER	NWTPH-Dx w/sgc	0000
 	A Sportii poly	150	HNO3	LANCASTER	TOTAL LEAD (ICP/MS	6020)
			/	 		
	7			<u> </u>	T	
COMMENTS:	INACCE	SSIBL	E- Bol	t head	S rusted	
		<u> </u>				
Add/Replaced L	ock:	Add/Rep	placed Plug:		Add/Replaced Boli	:

FORMER CHEVRON SERVICE STATION #209335 Seattle, Washington

SPECIAL EVENT OF JULY 1, 2009



Client/Facility#:	Chevron #20933	<u> </u>	Job Number:		
Site Address:	1225 N. 45Th St	reet	Event Date:	7-1	(inclusive)
City:	Seattle, WA		Sampler:	m	(
·					
Well ID	MW-6	1	Date Monitored:	7-1	
Well Diameter	2 in.	Volum	e 3/4"= 0.0		3"= 0.38
Total Depth	38,35 ft.	Factor			12"= 5.80
Depth to Water	27,46 ft.	Check if water colum	n is less then 0.5	0 ft.	
	xVF			Estimated Purge Volume:	gal.
Depth to Water	w/ 80% Recharge [(Hei	ght of Water Column x 0.20) -	DTW]:	Time Started:	(0.400.1)
Purge Equipment:		Sampling Equipment:		Time Completed:	(2400 hrs) (2400 hrs)
Disposable Bailer		Disposable Bailer		Depth to Product:	ft
Stainless Steel Baile		Pressure Bailer		Depth to Water:	ft
Stack Pump	" 	Discrete Bailer		Hydrocarbon Thicknes	
Suction Pump		Peristaltic Pump	-/	Visual Confirmation/De	escription:
Grundfos		QED Bladder Pump	/	Skimmer / Absorbant 8	Sock (circle one)
Peristaltic Pump		Other:	/	Amt Removed from Sk	immer: gal
QED Bladder Pump		<u> </u>	/	Amt Removed from W	ell:gal
Other:			(Water Removed: Product Transferred to	,
				Trodes Humblemed to	·
Start Time (purge	e):	Weather Cor	ditions:	SUNNY	
Sample Time/Da		Water Color:	~ / -		
Approx. Flow Ra	- , -	-		Odor: Y / (N)	
			· —		
Did well de-wate	r? If yes,	Time: Volun	ne:	gal. DTW @ Sampling:	21-46
Time	Volume ph	Conductivity	Temperature	D.O. OF	₹P
(2400 hr.)	(gal.)	' (μmhos/cm -μS)	(© / F)	(mg/L) (m	V)
_	<u> </u>				
	·				
/	· - 			\sim	 _
					 ·
		LABORATORY IN	FORMATION		
SAMPLE ID		RIG. PRESERV. TYPE	LABORATORY	ANALYSE	S
MW- 😥	o. A voca vicil	ES HCL	LANCASTER LANCASTER	NWTPH-Gx/BTEX(8021)	·
		ES HNO3	LANCASTER	NWTPH-Dx w/sgc TOTAL LEAD (ICP/MS 6020)	
		1 11100	BUILDAGIER	101712 22713 (1017140 0020)	
	<u>-</u>				
COMMENTS:					
				- <u>-</u> -	· –
<u> </u>		<u> </u>			
Add/Replaced L	_ock:	Add/Replaced Plug:		Add/Replaced Bolt:	

Client/Facility#:	Chevron #20	9335		Job	Number:	386750		
Site Address:	1225 N. 45Th	Street		Eve	nt Date:	ラー/		(inclusive)
City:	Site Address: City: Seattle, WA Well ID Well Diameter Total Depth Depth to Water w/ 80% Recharge [(Height of Water Column Purge Equipment: Disposable Bailer Disposable Ba				pler:	mi		
	Site Address: City: Seattle, WA Well ID WW-7 Well Diameter Total Depth Depth to Water w/ 80% Recharge [(Height of Water Column Purge Equipment: Disposable Bailer Stank Pump Discrete Bailer Stank Pump Discrete Bailer Disposable Bailer Stank Pump Discrete Bailer Disposable Bail				·			
Well ID		<u>'</u>		Date M	onitored:	7-1		
Well Diameter	2 in	<u>.</u>		Volume	3/4"= 0.02	1"= 0.04	2"= 0.17 3"=	0.38
Total Depth	41.62 ft.	-		Factor (VF)	4"= 0.66		6"= 1.50 12"=	·
Depth to Water	ft.		Check if water	column is les	s then 0.50	ft.		
.		. —		x3 cas	se volume = E	Estimated Purg	je Volume:	gal.
Depth to Water v	w/ 80% Recharge	(Height of	Water Column x	0.20) + DTW]:		- Time Ct	and and the form	
Purge Equipment:			Sampling Fauin	mont.		Time St	arred:	(2400 hrs) (2400 hrs)
Disposable Bailer						Depth to	Product: 27	-39 ft
Stainless Steel Bailer	/						Water:	ft
Stack Pump		1	Discrete Bailer				onfirmation/Descrip	
Suction Pump			Peristaltic Pump			1 GK	AY	
						Amt Ren	Absorbant Sock noved from Skimme	(circle one)
•	/	(Other:	/-		Amt Ren	noved from Well:	er: gal
Other:				C			emoved: - Transferred to:	-
	l l					- Troduct	Transierred to	
Start Time (purge)):		\/\eathc	er Conditions				
						Odor: Y /	M	
•	·	gpm.	1	nt Description		ouoi. I I		
			1	•		al DTW @	Sampling:	
		, ,	1			an. D. VV @	Camping	
		рН	Conductivity		erature	D.O.	ORP	
(2 100 11)	(gui.)		(Milliosyciii - L		/ F > \	(mg/L)	(fiv)	
 -	/					/	-/	_
								
							-	
								
SAMPLEID	(#) CONTAINER	REFRIG			ATION RATORY		ANALYOFO	
MW-			+			WTPH-Gx/BTI	ANALYSES EX(8021)	
			HCL			WTPH-Dx w/s		
/	x 500ml poly	YES	HNO3	LANC	ASTER T	OTAL LEAD (I	CP/MS 6020)	
								
- J								
COMMENTS: _	SX:in	wher	ina	e11	Inte	erforn	arabo	could
not lete	ict this	i i		LA) AP	<u> </u>	rable.	probe	00
nydrocart	on thick	ress	Fom	VISual	Contir	mation	~ e3+i	Late-
Add/Replaced Lo	ock;	Add/				dd/Replace		
				i			a Doit	
11100000)	10 be	App C	dximate	19 1.5	tee	t -		



Client/Facility#:	Chevron #2	09335		Job Number:	: 386750	
Site Address:	1225 N. 45T	h Street		Event Date:	7-1	(inclusive)
City:	Seattle, WA			Sampler:	m	()
Well ID	MW- 8	_		Date Monitored	: 71	
Well Diameter	2 ir	— 1.	Volum	ne 3/4"= 0.	.02 1"= 0.04 2"= 0.17	3"= 0.38
Total Depth	41,63 #	- -		or (VF) 4"= 0.		2"= 5.80
Depth to Water	27,84 ft		Check if water colun	nn is less then 0.5	50 ft.	
	F	xVF	<u> </u>	x3 case volume	= Estimated Purge Volume:	gal.
Depth to Water	w/ 80% Recharge	(Height of	Water Column x 0.20)	+ DTW]:		
D P		_			Time Started:	(2400 hrs) (2400 hrs)
Purge Equipment:	,		Sampling Equipment:		Depth to Product:	
Disposable Bailer Stainless Steel Baile	,		Disposable Bailer Pressure Bailer		Depth to Water:	ft
Stack Pump	' 		Piscrete Bailer		Hydrocarbon Thickness	
Suction Pump			Peristaltic Pump		Visual Confirmation/Des	scription;
Grundfos			ED Bladder Pump		Skimmer / Absorbant Sc	ock (circle one)
Peristaltic Pump		C	Other:		Amt Removed from Skii Amt Removed from We	mmer:gal
QED Bladder Pump					Water Removed:	yaı
Other:		•			Product Transferred to:	
Start Time (purge			Weather Co		SUNNY	
Sample Time/Da			Water Color		_Odor: Y /(N)	
Approx. Flow Rat		gpm.	Sediment De	· —	lone	
Did well de-water	r? AD If	yes, Time	: Volu	me:	gal. DTW @ Sampling:	27,84
Time	Volume	рН	Conductivity	Temperature	D.O. ORI	P
(2400 hr.)	(gal.)	рΠ	(μmhos/cm - μS)	(C / F)	(mg/L) (mV	
	<u> </u>	-\-			1	
						 -
						
			LABORATORY IN	IFORMATION	<u> </u>	
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY		5
MW- 8	2 x 1 liter ambers	YES YES	HCL HCL	LANCASTER LANCASTER	NWTPH-Gx/BTEX(8021)	
 	/ x 500ml poly	YES	HNO3	LANCASTER	NWTPH-Dx w/sgc TOTAL LEAD (ICP/MS 6020)	
			7.1105	LANGASTER	TOTAL ELAD (ICI MIG 0020)	
<u> </u>		-	<u> </u>			
COMMENTS:		-				<u></u>
Add/Replaced L	ock:	Add/l	Replaced Plug		Add/Panlaced Polt:	



Cilent/Facility#;	Chevron #2	109335		Job Numbe	er: 386750	
Site Address:	1225 N. 45T	h Street		Event Date:	7-1-09	(inclusive)
City:	Seattle, WA	· · · · · · · · · · · · · · · · · · ·		– Sampler:		(Inclusive)
·		·		_ Camplel.	m	
Well ID	MW- 9			Date Monitored	d: 7-1-09	
Well Diameter		 n.				
Total Depth	111 8	 it.	1	lume 3/4"= (ctor (VF) 4"= (3"= 0.38
Depth to Water			Check if water colu			12"= 5.80
Dopin to vide:						
Depth to Water v	W/ 80% Rechard	_	Water Column x 0.20	X3 case volume	e = Estimated Purge Volume:	gal.
	W 00% Recharg	e ((neight of	vvaler Column x 0.20	J) + DTVV]:	Time Ctested	(2400 hrs)
Purge Equipment:			Sampling Equipmer	nt:	Time Completed:	(2400 hrs)
Disposable Bailer	,		Disposable Bailer		Depth to Product:	ft
Stainless Steel Bailer	, ———		Pressure Bailer		Depth to Water:	ft
Stack Pump			Discrete Bailer		. Hydrocarbon Thickness	
Suction Pump	7		Peristaltic Pump		Visual Confirmation/De	scription:
Grundfos	7		QED Bladder Pump		Skimmer / Absorbant S	ock (circle one)
Peristaltic Pump	7		Other:		Amt Removed from Ski	mmer: gal
QED Bladder Pump					Amt Removed from We	ll:gal
Other:					Water Removed: Product Transferred to:	
					Troduct Francicited to.	
Start Time (purge)	. ~		Weather C	onditions:	SUNNY	
Sample Time/Dat	4 1 4	7-1-09		or: Clebr		
Approx. Flow Rate					Odor: Y / W	
Did well de-water		gpm.		Description:	rose	
Did well de-water	? <u>_^0</u>	yes, lime	: Vol	ume:	_gal. DTW @ Sampling: _.	38/03
Time	Volume		Conductivity	Temperature	D.O. OR	-
(2400 hr.)	(gal.)	pН	(μmhos/cm - μS)	(C / F)	D.O. ORI (mg/L) (mV	
					(0) . (())	<i>,</i> —
						
					/	
			/	/		
			LABORATORY I	NFORMATION		
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE			
MW- 9	x vea vial 2 x 1 liter ambers	YES YES	HCL	LANCASTER	NWTPH-GWBTEX(8021)	
	× 590ml poly		HCL	LANCASTER	NWTPH-Dx w/sgc	
	A coulin poly	YES	HNO3	LANCASTER	TOTAL LEAD (ICPIMS 6020)	
			<u> </u>	 	 	
					 	
COMMENTS: /	VO キロ	RGC	SAMPLE.	TAKEN	·	
	, , , , , v	70	11:11-4 VIV	KINDIN		
						
A -1-1/D			·-			
Add/Replaced Lo	CK:	Add/F	Replaced Plug: _		Add/Replaced Bolt:	



Client/Facility#	: <u>Cnevron #209</u>	335	Job Number	r: 386750	
Site Address:	1225 N. 45Th	Street	Event Date:	7-1	(inclusive)
City:	Seattle, WA		Sampler:		 `
			Sampler.	m	
Well ID	MW- 10		Date Monitored	· 7.1	
Well Diameter	2 in.	Γ-			
Total Depth	35,91 ft.		lume 3/4"= 0 ctor (VF) 4"= 0		
Depth to Water					12"= 5.80
Deptil to Water	- 	- -	umn is less then 0.		
Denth to Water		F=	x3 case volume	= Estimated Purge Volume:	gal.
Deptil to water	w 60% Recharge (i	leight of Water Column x 0.2	0) + DTW]: <u>_</u>	Time - Ote 4 1	(2400 hrs)
Purge Equipment:	,	Sampling Equipme	nt:	Time Completed:_	(2400 hrs)
Disposable Bailer		Disposable Bailer	···· X	Depth to Product:_	ft
Stainless Steel Baile	er ———	Pressure Bailer		Depth to Water:	ft
Stack Pump		Discrete Bailer		Hydrocarbon Thick Visual Confirmation	iness:ft
Suction Pump		Peristaltic Pump		visual Collinmation	T/Description:
Grundfos		QED Bladder Pump		Skimmer / Absorba	int Sock (circle one)
Peristaltic Pump		Other:		Amt Removed from	Skimmer:gal
QED Bladder Pump				Amt Removed from	ı Well:gal
Other:				Product Transferre	d to:
				<u> </u>	
Start Time (purge Sample Time/Da Approx. Flow Ra Did well de-wate Time (2400 hr.)	ate: 1210 / 7- ate:gp er?0 If yes	m. Sediment I s, Time:Vol pH Conductivity (μmhos/cm - μS)	Description: Ume: Temperature (C / F)	Nove	g: <u>38.72</u> ORP (mV)
SAMPLE ID	(#) CONTAINER R	LABORATORY I			
MW-	x voa viai	FRIG. PRESERV. TYPE YES HCL	LANCASTER	NWTPH-Gx/BTEX(8021)	YSES
		YES HCL	LANCASTER	NWTPH-Dx w/sgc	
		YES HNO3	LANCASTER	TOTAL LEAD (ICP/MS 602	20)
				(10.71.000	
COMMENTS:	NO PURC	ik			
Add/Replaced L	_ock:	Add/Replaced Plug: _		Add/Replaced Bolt:	

Chevron Northwest Region Analysis Request/Chain of Custody

1121-0

For Lancaster Laboratories use only



vvnere quality is a science.					ACC	л. н. : 11	Ø1	Q	LS	ampl	8 #:_	2	7	<u> بی ز</u>	760	\mathcal{O} -	ه) -	SCR				
							Г			-	Analy	/805	Req	uest	вd		_	Gro	OIU	* //	49	180
Facility #: SS#209335-OML G-R#38	6750			T	Matrix		T				Pres	ervaj	lon	Code	25				_ <u> </u>	ative Co		
Site Address: 1225 N. 45th Street, SEA	ITLE, WA									FL	A	N		\Box	\Box			H=HC		T = Th		
Chevron PM: OS Lead	Consultant: S/	AICDW		┝			复				1	0209						N=HN S≃H ₂ S		B = Na O = O		
Consultant/Office: G-R, Inc., 6747 Sierra C	ourt, Suite J, D	ublin, CA	 94568		ES ES	ners	Z U				₽			5			1	☐ J value				
Consultant Prj. Mgr.: Deanna Ł. Harding (d					☐ Potable ☐ NPDES	ontai					d Ring.	☐ Method		□quantification				☐ Must r	meet lo	west det	ection	i timits
Consultant Phone # 925-551-7555		25-551-789	99	l		Ų	Ä				Extended Silica Gel			ag a		İ				260 con	-	as
Sampler Mike Lombon		<u> </u>	-	\mathbf{I}		E E	802		ates	ی	l⊓ोख	iğ l		- 4				8021 MT ☐ Confin			•	ene
Service Order #:	on SAR:		Sign Fig.			칠		E SS	Oxygenates	¥	¥ 4	la X	_	오				Confin	m high	est hit by	8260	ا د
ample Identification Date Time Collected Collected			Gomposite	Sail	Water	Oil ☐ Air ☐ Total Number of Containers	BTEX + 100 8021 X 8260 Naphth	8260 full scan	Ö,	WW TPH GK	WIMPH &	ead Tol	<i>VРН/Е</i> РН	NWTPH H HC(D				Confin	ох	y s on hij	jhest	hit
QA	6-14	. 7	₹	T	X	2	לו	\ <u></u>	<u> </u>	Ž	7	7	} 	Z		╁	+	☐ Run_				
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2425 New Holland Pike, PO Box 12425, Lancasier, PA 17605-2425 -717-656-2300 Fax:717-656-2681 - www.lancasterlabs.com

ANALYTICAL RESULTS

RECEIVED

Prepared for:

Chevron 6001 Bollinger Canyon Road L4310 San Ramon CA 94583 JUN 2 9 2003

GETTLER-RYAN INC.

GENERAL CONTRACTORS

925-842-8582

Prepared by:

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

• 06 0000

June 26, 2009

SAMPLE GROUP

The sample group for this submittal is 1149809. Samples arrived at the laboratory on Thursday, June 18, 2009. The PO# for this group is 0015040041 and the release number is SKANCE.

Client Description
QA Water Sample
MW-9 Grab Water Sample

<u>Lancaster Labs Number</u> 5702960 5702961

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Chronicle.

ELECTRONIC COPY TO

SAIC c/o Gettler-Ryan

Attn: Cheryl Hansen



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Questions? Contact your Client Services Representative Jill M Parker at (717) 656-2300

Respectfully Submitted,

Julie A. Slaughenhoupt Senior Specialist



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Page 1 of 1

Lancaster Laboratories Sample No. WW 5702960

Group No. 1149809

WA

QA Water Sample

Collected: 06/16/2009

Account Number: 11260

Submitted: 06/18/2009 09:45

Reported: 06/26/2009 at 16:21

Discard: 07/27/2009

Chevron

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

45-QA

CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
les	ug/1	ug/l	
n.a.	N.D.	50	1
les	ug/l	ug/1	
71-43-2	N.D.	0.5	
100-41-4	N.D.	0.5	ī
108-88-3	N.D.	0.5	1
1330-20-7	N.D.	1.5	ī
	Les n.a. les 71-43-2 100-41-4 108-88-3	CAS Number Result Les ug/1 n.a. N.D. Les ug/1 71-43-2 N.D. 100-41-4 N.D. 108-88-3 N.D.	As Received Method Detection Limit Les ug/1 ug/1 n.a. N.D. 50 Les ug/1 ug/1 71-43-2 N.D. 0.5 100-41-4 N.D. 0.5 108-88-3 N.D. 0.5

General Sample Comments

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.

Labora	torv	Chroni	cle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH	1- 1	09171A53A	06/20/2009 13:32	Carrie E Miller	Factor 1
_	BTEX GC VOA Water Prep	SW-846 8021B SW-846 5030B	1 1	09171A53A 09171A53A	06/20/2009 13:32 06/20/2009 13:32	Carrie E Miller Carrie E Miller	1 1



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by ML

Page 1 of 1

Lancaster Laboratories Sample No. WW 5702961

Group No. 1149809

WA

MW-9 Grab Water Sample

Collected: 06/16/2009 15:00

ACC

Account Number: 11260

Submitted: 06/18/2009 09:45

Reported: 06/26/2009 at 16:21

3 05/25/2009 at 16:2

Discard: 07/27/2009

Chevron

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

45-M9

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
ECY 97	-602 NWTPH-Gx	GC Volatil	es	ug/l	ug/l	
08274	NWTPH-Gx water C7-	C12 ·	n.a.	N.D.	50	1
SW-846	8021B	GC Volatil	es	ug/1	ug/l	
05879	Benzene		71-43-2	N.D.	0.5	1
05879	Ethylbenzene		100-41-4	N.D.	0.5	1
05879	Toluene		108-88-3	N.D.	0.5	1
05879	Total Xylenes		1330-20-7	N.D.	1.5	ĺ
SW-846	6020	Metals		ug/l	ug/l	
06035	Lead		7439-92-1	19.3	0.050	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH	- 1	09171A53A	06/20/2009 15:58	Carrie E Miller	Factor 1
05879 01146 06035 06050	GC VOA Water Prep	SW-846 8021B SW-846 5030B SW-846 6020 SW-846 3010A modified	1	09171A53A 09171A53A 091746050002A 091746050002	06/20/2009 15:58 06/20/2009 15:58 06/26/2009 09:15 06/24/2009 14:26	Carrie E Miller Carrie E Miller David K Beck James L Mertz	1 1 1



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Page 1 of 2

Quality Control Summary

Client Name: Chevron

Group Number: 1149809

Reported: 06/26/09 at 04:21 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 <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS <u>%REC</u>	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 09171A53A	Sample numbe	er(s): 570	2960-5702	961				
Benzene Ethylbenzene NWTPH-Gx water C7-C12 Toluene Total Xylenes	N.D. N.D. N.D. N.D. N.D.	0.5 0.5 50. 0.5 1.5	ug/l ug/l ug/l ug/l ug/l	105 105 100 105 107	110 110 109 105 110	80-120 80-120 75-135 80-120 80-120	5 9 0 3	30 30 30 30 30
Batch number: 091746050002A Lead	Sample numbe	er(s): 570 0.050	2961 ug/l	99		90-115		

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 <u>%rec</u>	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD <u>Max</u>
Batch number: 09171A53A Benzene Ethylbenzene NWTPH-Gx water C7-C12 Toluene Total Xylenes	Sample: 110 110 100 110 115	number(s)	: 5702960 70-152 75-133 48-140 78-129 67-155	-570296	1 UNSPI	K: P702607,	P702956		
Batch number: 091746050002A Lead	Sample 1	number(s) 102	: 5702961 75-125	UNSPK: 1	P70406 20	6 BKG: P704 0.27	066 0.27	1 (1)	20

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
Batch number: 09171A53A
Trifluoroto

	TITITUOTOCOTUENE-F	Tritiuorotoluene-P	
5702960	84	87	
5702961	85	87	
Blank	85	87	
LCS	86	88	
LCSD	91	88	

*- Outside of specification

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



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Page 2 of 2

Quality Control Summary

Client Name: Chevron

Group Number: 1149809

Reported: 06/26/09 at 04:21 PM

Surrogate Quality Control

MS

85

88

Limits: 63-135

69-129

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked 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	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
С	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	íb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	Ī	liter(s)
ml	milliliter(s)	uí	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml

- less than The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.
- > greater than
- 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

Inorganic Qualifiers

Α	TIC is a possible aldol-condensation product	В	Value is <crdl, but="" th="" ≥idl<=""></crdl,>
В	Analyte was also detected in the blank	E	Estimated due to interference
С	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quatitated on a diluted sample	N	Spike amount not within control limits
E	Concentration exceeds the calibration range of	S	Method of standard additions (MSA) used
	the instrument		for calculation
J	Estimated value	U	Compound was not detected
N	Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
Р	Concentration difference between primary and	*	Duplicate analysis not within control limits
	confirmation columns >25%	+	Correlation coefficient for MSA <0.995
U	Compound was not detected		10,000
X,Y,Z	Defined in case narrative		

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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Chevron Northwest Region Analysis Request/Chain of Custody

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ANALYTICAL RESULTS

Prepared for:

RECEIVED

Chevron 6001 Bollinger Canyon Road L4310 San Ramon CA 94583

JUL 1 6 2009

925-842-8582

GETTLER-RYAN INC. GENERAL CONTRACTORS

Prepared by:

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

July 15, 2009

SAMPLE GROUP

The sample group for this submittal is 1152073. Samples arrived at the laboratory on Friday, July 03, 2009. The PO# for this group is 0015040041 and the release number is SKANCE.

Client Description	Lancaster Labs Number
QA Water Sample	5716074
MW-6 Grab Water Sample	5716075
MW-8 Grab Water Sample	5716076
MW-9 Grab Water Sample	5716077
MW-10 Grab Water Sample	5716078

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC

SAIC c/o Gettler-Ryan

Attn: Cheryl Hansen

COPY TO



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 - 717-658-2300 Fax: 717-656-2661 - www.lancasterlabs.com

Questions? Contact your Client Services Representative Jill M Parker at (717) 656-2300

Respectfully Submitted,

May E Juney
Max E. Snavely
Senior Specialist



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Page 1 of 1

Lancaster Laboratories Sample No. WW 5716074

Group No. 1152073

WA

QA Water Sample

Collected: 07/01/2009

Account Number: 11260

Submitted: 07/03/2009 09:00

Reported: 07/15/2009 at 10:52

5/2009 at 10.52

Discard: 08/15/2009

Chevron

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

CAT No. Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
ECY 97-602 NWTPH-Gx GC Volati	les	ug/l	ug/l	
08274 NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
SW-846 8021B GC Volatil	les	ug/l	ug/l	
05879 Benzene	71-43-2	N.D.	0.5	1
05879 Ethylbenzene	100-41-4	N.D.	0.5	ī
05879 Toluene	108-88-3	N.D.	0.5	1
05879 Total Xylenes	1330-20-7	N.D.	1.5	i

General Sample Comments

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.

	Danoratory Se	mbre	Analysis	Kecora	
ьod	Trial#	Batch	#	Analveis	

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH	I- 1	09183A94B	07/06/2009 21:40	Carrie E Miller	Factor 1
05879 01146	BTEX GC VOA Water Prep	SW-846 8021B SW-846 5030B	1	09183A94B 09183A94B	07/06/2009 21:40 07/06/2009 21:40	Carrie E Miller Carrie E Miller	1 1



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Page 1 of I

Lancaster Laboratories Sample No. WW 5716075

Group No. 1152073

WA

MW-6 Grab Water Sample

Facility# 209335 Job# 386750 1225 N. 45th Street - Seattle, WA

Collected: 07/01/2009 13:10

by ML

Account Number: 11260

Submitted: 07/03/2009 09:00

Reported: 07/15/2009 at 10:52

Discard: 08/15/2009

Chevron

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

45S06

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
ECY 9	7-602 NWTPH-Gx	GC Volatil	es	ug/l	ug/l	
08274	NWTPH-Gx water C7-0	212	n.a.	N.D.	50	ı
SW-84	5 8021B	GC Volatil	es	ug/l	ug/l	
05879	Benzene		71-43-2	N.D.	0.5	1
05879	Ethylbenzene		100-41-4	N.D.	0.5	1
05879	Toluene		108-88-3	N.D.	0.5	1
05879	Total Xylenes		1330-20-7	N.D.	1.5	1
ECY 97	7-602 NWTPH-Dx	GC Extract	able TPH	ug/l	ug/1	
modifi	led	w/Si Gel				
02211	DRO C12-C24 w/Si Ge	1	n.a.	270	30	•
02211	HRO C24-C40 w/Si Ge		n.a.	N.D.	70	1
SW-846	6020	Metals		ug/l	ug/l	
06035	Lead		7439-92-1	22.9	0.050	1
		•				

General Sample Comments

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.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	.me	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH	- 1	09183A94B	07/06/2009		Carrie E Miller	1
05879 01146 02211	GC VOA Water Prep	SW-846 8021B SW-846 5030B ECY 97-602 NWTPH	1 1	09183A94B 09183A94B 091940009A	07/06/2009	22:33 22:33	Carrie E Miller Carrie E Miller	1 1
	·	Dx modified	- 1	091940009A	07/14/2009	18:00	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH- Dx 06/97	- 2	091940009A	07/13/2009	15:05	Cody R Hanna	1
06035 06050	Lead ICP/MS SW-846 Water Digest	SW-846 6020 SW-846 3010A modified	1	091876050006A 091876050006	07/13/2009 07/08/2009	08:29 14:52	David K Beck James L Mertz	1 1



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Page 1 of 1

Lancaster Laboratories Sample No. WW 5716076

Group No. 1152073

WA

MW-8 Grab Water Sample

Collected: 07/01/2009 13:30

by ML

Account Number: 11260

Submitted: 07/03/2009 09:00

Reported: 07/15/2009 at 10:52

Discard: 08/15/2009

Chevron

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

45508

CAT No. Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
ECY 97-602 NWTPH-Gx	GC Volatil	es	ug/l	ug/l	
08274 NWTPH-Gx water C7	-C12	n.a.	430	50	1
SW-846 8021B	GC Volatil	es	ug/l	ug/l	
05879 Benzene		71-43-2	N.D.	0.5	1
05879 Ethylbenzene		100-41-4	N.D.	0.5	1
05879 Toluene		108-88-3	N.D.	0.5	1
05879 Total Xylenes		1330-20-7	2.2	1.5	1
ECY 97-602 NWTPH-Dx modified	GC Extracta	able TPH	ug/l	ug/l	
02211 DRO C12-C24 w/si (Gel	n.a.	390	300	_
02211 HRO C24-C40 w/Si (_	n.a.	N.D.	700	1
Due to the nature of the for analysis. The repo	e sample matrix	, a reduced a	liquot was used	700	1
SW-846 6020	Metals		ug/l	ug/l	
06035 Lead		7439-92-1	3.5	0.050	1

General Sample Comments

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.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti		Analyst	Dilution
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH	- 1	09183A94B	07/06/2009	23:00	Carrie E Miller	Factor 1
05879	BTEX	SW-846 8021B	1	09183A94B	07/06/2009	23:00	Carrie E Miller	
01146	GC VOA Water Prep	SW-846 5030B	1	09183A94B	07/06/2009	23:00		1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-		091940009A			Carrie E Miller	1
-	.,01 331	Dx modified		091940009A	07/14/2009	18:20	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH- Dx 06/97	- 2	091940009A	07/13/2009	15:05	Cody R Hanna	1
06035	Lead	SW-846 6020	1	091876050006A	07/13/2009	08:57	David K Beck	_
06050	ICP/MS SW-846 Water Digest	SW-846 3010A						1
	, J. Old Madel Digest	modified	1	091876050006	07/08/2009	14:52	James L Mertz	1



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Lancaster Laboratories Sample No. WW 5716077

Group No. 1152073

MW-9 Grab Water Sample

1225 N. 45th Street - Seattle, WA

Collected: 07/01/2009 11:50

by ML

Account Number: 11260

Submitted: 07/03/2009 09:00

Reported: 07/15/2009 at 10:52

Discard: 08/15/2009

Chevron

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

45509

CAT Analysis Name No.

02211 HRO C24-C40 w/Si Gel

CAS Number

As Received Result

As Received Method

Dilution

ECY 97-602 NWTPH-Dx

GC Extractable TPH

ug/l

Detection Limit ug/1

Factor

modified

w/Si Gel 02211 DRO C12-C24 w/Si Gel

n.a. n.a. N.D. N.D.

1 1

General Sample Comments

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.

			_	-	· -		
CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH Dx modified	- 1	091940009A	Date and Time 07/14/2009 18:41	Diane V Do	Factor 1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-	- 2	091940009A	07/13/2009 15:05	Cody R Hanna	1



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Lancaster Laboratories Sample No. WW 5716078

Group No. 1152073

WA

MW-10 Grab Water Sample

Collected: 07/01/2009 12:10

by ML

Account Number: 11260

Submitted: 07/03/2009 09:00

Reported: 07/15/2009 at 10:52

Discard: 08/15/2009

Chevron

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

45510

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
ECY 9	7-602 NWTPH-Gx	GC Volatil	es	ug/l	ug/l	
08274	NWTPH-Gx water C7-	C12	n.a.	N.D.	50	1
SW-84	6 8021B	GC Volatil	es	ug/l	ug/l	
05879	Benzene		71-43-2	N.D.	0.5	1
05879	Ethylbenzene		100-41-4	N.D.	0.5	, ,
05879	Toluene		108-88-3	N.D.	0.5	1
05879	Total Xylenes		1330-20-7	N.D.	1.5	î
ECY 97	7-602 NWTPH-Dx	GC Extract	able TPH	ug/l	ug/l	
modifi	led	w/Si Gel				
02211	DRO C12-C24 w/Si Ge	1	n:a.	N.D.	30	1
02211	HRO C24-C40 w/Si Ge	:1	n.a.	N.D.	69	1 1
SW-846	6020	Metals		ug/l	ug/l	
06035	Lead		7439-92-1	10.9	0.050	1

General Sample Comments

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.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	.me	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH Gx	- 1	09183A94B	07/06/2009		Carrie E Miller	1
05879 01146 02211	BTEX GC VOA Water Prep NWTPH-Dx water w/Si Gel	SW-846 8021B SW-846 5030B ECY 97-602 NWTPHDx modified	1 1 - 1	09183A94B 09183A94B 091890004A	07/06/2009 07/06/2009 07/09/2009		Carrie E Miller Carrie E Miller Diane V Do	1 1 1
02135 06035	Extraction - DRO Water Special Lead	ECY 97-602 NWTPH- Dx 06/97	- 1	091890004A		15:30	Timothy J Attenberger	1
06050	ICP/MS SW-846 Water Digest	SW-846 6020 SW-846 3010A modified	1	091876050006A 091876050006	07/13/2009 07/08/2009	08:58 14:52	David K Beck James L Mertz	1 1



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Quality Control Summary

Client Name: Chevron

Reported: 07/15/09 at 10:52 AM

Group Number: 1152073

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 <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS <u>%REC</u>	LCSD <u>%REC</u>	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 09183A94B	Sample numb	er(s): 571	6074-5716	076 57160	70			
Benzene Ethylbenzene	N.D. N.D.	0.5 0.5	ug/l ug/l	105	110	80-120	5	30
NWTPH-Gx water C7-C12 Toluene	N.D.	50.	ug/l	105 109	110 100	80-120 75-135	5 9	30 30
Total Xylenes	И.D. И.D.	0.5 1.5	ug/l ug/l	105 107	110 110	80-120 80-120	5 3	30 30
Batch number: 091890004A	Sample numbe	er(s): 571	.6078				J	30
DRO C12-C24 w/Si Gel HRO C24-C40 w/Si Gel	65 N.D.	30. 70.	ug/l ug/l	78	68	61-106	14	20
Batch number: 091940009A	Sample numbe	er(s): 571	6075-5716	077				
DRO C12-C24 w/Si Gel HRO C24-C40 w/Si Gel	И.D. И.D.	30. 70.	ug/l ug/l	88		61-106		
Batch number: 091876050006A Lead	Sample numbe				78			
neau .	N.D.	0.050	ug/l	105		90~115		

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

<u>Analysis Name</u>	MS <u>%rec</u>	MSD <u>%Rec</u>	MS/MSD <u>Limits</u>	<u>RPD</u>	RPD <u>MAX</u>	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 09183A94B Benzene Ethylbenzene NWTPH-Gx water C7-C12 Toluene Total Xylenes	Sample 115 111 118 115 117	number(s) 115 111 118 115 117	: 5716074 70-152 75-133 48-140 78-129 67-155	-57160° 0 0 0 0 0	76,5716 20 30 30 30 30	078 UNSPK:	P713507		
Batch number: 091940009A DRO C12-C24 w/Si Gel HRO C24-C40 w/Si Gel	Sample	number(s)	: 5716075	-571607	77 BKG	: P720396 N.D. N.D.	N.D. N.D.	0 (1) 0 (1)	20 20
Batch number: 091876050006A Lead	Sample 84	number(s) 93	: 5716075 75-125	-571607 4	76,5716 20	078 UNSPK: 22.9	5716075 BKG: 21.3	5716075 7	20

Surrogate Quality Control

*- Outside of specification

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



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Quality Control Summary

Client Name: Chevron

Group Number: 1152073

Reported: 07/15/09 at 10:52 AM

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 Batch number: 09183A94B

	Trifluorotoluene-P	Trifluorotoluene-F	
5716074	98	95	
5716075	99	86	
5716076	99	86	
5716078	99	86	
Blank	99	86	
LCS	100	94	
LCSD	99	95	
MS	100	96	
MSD	100	96	
Limits:	69-129	63-135	_

Analysis Name: NWTPH-Dx water w/Si Gel Batch number: 091890004A

Orthoterphenyl

5716078	100
Blank	99
LCS	114
LCSD	97

Limits: 50-150

Analysis Name: NWTPH-Dx water w/Si Gel Batch number: 091940009A Orthoterphenyl

5716075	123
5716076	104
5716077	116
Blank	99
DUP	102
LCS	137

Limits: 50-150

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked 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	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
บเ	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
С	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	Ĭ	liter(s)
mi	milliliter(s)	ul	microliter(s)
m3	cubic meter(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

parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. ppm 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.

Inorganic Qualifiers

parts per billion ppb

Results printed under this heading have been adjusted for moisture content. This increases the analyte weight Dry weight concentration to approximate the value present in a similar sample without moisture. basis

U.S. EPA data qualifiers:

Organic Qualifiers

Defined in case narrative

TIC is a possible aldol-condensation product В Value is <CRDL, but ≥IDL В Analyte was also detected in the blank Ε Estimated due to interference C Pesticide result confirmed by GC/MS M Duplicate injection precision not met Compound quatitated on a diluted sample D Ν Spike amount not within control limits Ε Concentration exceeds the calibration range of Method of standard additions (MSA) used S the instrument for calculation J Estimated value U Compound was not detected N Presumptive evidence of a compound (TICs only) Post digestion spike out of control limits W Concentration difference between primary and Duplicate analysis not within control limits confirmation columns >25% Correlation coefficient for MSA < 0.995 U Compound was not detected X,Y,Z

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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