Brett Hunter Chevron EMC Portfolio Chevron Service Station No. 352300 First Quarter 2010 Groundwater Monitoring and Sampling Report

June 17, 2010

Mr. Brett Hunter Chevron Environmental Management Company 6111 Bollinger Canyon Road, Suite 3628 San Ramon, California, 94583

Subject: First Quarter 2010 Groundwater Monitoring and Sampling Report

Chevron Service Station No. 352300 State Route 274, Tekoa, Washington

Dear Mr. Hunter:

The Benham Companies LLC (Benham), a Science Applications International Corporation (SAIC) company is pleased to submit the first quarter 2010 groundwater monitoring report for activities completed at the above-referenced site. Groundwater monitoring and sampling was conducted by Gettler-Ryan, Inc. on March 8, 2010. The Gettler-Ryan Groundwater Monitoring and Sampling Report is presented as Attachment A. Benham is performing environmental services under contract to Chevron Environmental Management Company (Chevron).

FIRST QUARTER 2010 GROUNDWATER MONITORING ACTIVITIES

On March 8, 2010, the depth to groundwater was measured in Wells MW-1 through MW-7.

Groundwater Elevation, Flow Direction and Gradient

The groundwater elevation ranged from 2,489.11 (MW-4) to 2,490.89 (MW-7) feet above mean sea level. Groundwater flow is to the north at a gradient of approximately 0.01 to 0.02 ft/ft.

Groundwater Monitoring Well Analytical Test Results

Once the depth to groundwater was measured at the wells, the wells were purged using Low-Flow (minimal drawdown) technique as discussed in USEPA Ground Water Issue, publication number EPA/540/S-95/504 April 1996 ("Low-Flow Minimal Drawdown Ground-Water Sampling Procedures"), followed by collection of groundwater samples from Wells MW-1, MW-2, and MW-4 through MW-6. A duplicate sample was collected from MW-7 and labeled DUP. A sample was not collected from MW-3 due to an

obstruction in the well casing. All samples were collected in accordance with the sampling procedures described in Attachment A, and shipped under chain-of-custody protocol to Lancaster Laboratories, Inc. in Lancaster, Pennsylvania. Groundwater samples were submitted for the following analyses:

- Diesel- and heavy oil-range hydrocarbons by Washington State Department of Ecology Method NWTPH-Dx with silica gel clean-up;
- Gasoline-range hydrocarbons by Washington State Department of Ecology (WDOE) Method, NWTPH-Gx;
- Volitile Organic Compounds (VOCs) including benzene, toluene, ethylbenzene, total xylenes (BTEX), and naphthalene using EPA Method 8260.
- Dissolved lead using EPA Method 6020;
- Polynuclear aromatic hydrocarbons (PAHs) using EPA Method 8270C SIM; and

Table A. First Quarter 2010 Groundwater Analytical Results

Well ID	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Total Xylenes (μg/L)	TPHGx (μg/L)	TPHDx (μg/L)
MW-1	< 0.5	<0.5	<0.5	<0.5	<50	87
MW-2	< 0.5	<0.5	<0.5	<0.5	1,000	880
MW-3			No Sample Colle	cted		
MW-4	3	<0.5	14	16	2,700	830
MW-5	<0.5	<0.5	<0.5	<0.5	71	450
MW-6	<0.5	<0.5	<0.5	<0.5	<50	58
MW-7	<0.5	<0.5	<0.5	<0.5	<50	110*

Note: $\mu g/L$ = micrograms per liter. *Value of duplicate sample used.

Groundwater surface elevation contours, summaries of groundwater surface elevations and analytical results, groundwater monitoring and sampling procedures, a copy of the analytical report, and chain-of-custody documentation are attached in Gettler Ryan's "Groundwater Monitoring and Sampling Report Event of March 8, 2010," dated April 6, 2010.

Please call Ronald Santos at (208) 429-3772 if you have any questions regarding the contents of this letter.

Sincerely,

THE BENHAM COMPANIES, LLC

Chris Wildt

Environmental Scientist

Konald Santos Project Manager

Dennis M. Terzian

Dennis Terzian, LG

Sr. Project Manager

Enclosures:

Attachment A: Gettler-Ryan "Groundwater Monitoring and Sampling Report"

cc: Keith K. Holliday, Washington Dept of Ecology

Project File





GETTLER-RYAN INC.



TRANSMITTAL

April 13, 2010 G-R #385853

TO:

Mr. Ronald Santos

SAIC

405 South 8th Street, Suite 301

Boise, Idaho 83702

FROM:

Deanna L. Harding

Project Coordinator Gettler-Ryan Inc.

6747 Sierra Court, Suite J Dublin, California 94568 RE: Chevron Facility #352300

(Former Standard Oil Bulk Plant

#1001152) State Route 274 Tekoa, Washington

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	April 6, 2010	Groundwater Monitoring and Sampling Report Event of March 8, 2010

COMMENTS:

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

Mr. Brett Hunter, Chevron EMC, 6111 Bollinger Canyon Rd., Room 3628, San Ramon, CA 94583

☑ Current Site Check List included.

Enclosure trans/352300-BH

		CHEVRON - SI	TE C	CHE	CK	LIST			
	Facility#:	Chevron #352300			Dat	e: 7	8-10		
	Address:	State Route 274		_		<u>~. </u>	0710		
	City/St.:	Tekoa,WA				-		-	 -
	Status of Site		<u> </u>	•					
RUMS:	Please list be location of dr	elow ALL DRUMS @ site: i.e., drum	desc	ription	ı, cor	ndition	, labeling,	conte	nts,
_	#	Description	Con	dition	Lat	eling	Content	s L	.ocatio
		110							
		700							
		Deums							
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ELLS:	Please check etc.:	the condition of ALL WELLS @ sit	te: i.e	., well	box	condit	ion, well p	olug, w	ell loc
	Well ID	Well Box	Во	olts	Wel	l Plug	Well Loc	k	Other
1	MW-1	OK	0	7	2	X	OK	_	
	MW-2	OK	,				i		
igwedge	MW-3	OBSTRUCTION IN CASING					- -	 	
•	MW-4	OK							
	MW-5							 	
	MW-6		۲.	,	-(1	7	 	
	MW-7		/		$\neg A$		V	+	
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_	Additional Con	nments/Observations:							



April 6, 2010 Job #385853

Mr. Brett Hunter Chevron Environmental Management Company 6111 Bollinger Canyon Road, Room 3628 San Ramon, CA 94583

RE: Event of March 8, 2010

Groundwater Monitoring & Sampling Report Chevron Facility #352300 (Former Standard Oil Bulk Plant #1001152) State Route 274

Tekoa, Washington

Dear Mr. Hunter:

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

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the wells. Static water level data and groundwater elevations are presented in Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. Purge water was treated by filtering the water through granular activated carbon and was subsequently discharged. The chain of custody document and laboratory analytical reports are attached.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

Deanna L. Harding
Project Coordinator

Douglas J. Lee Senior Geologist, L.G. No. 2660

Douglas J. Lee

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Figure 1: Pote

Potentiometric Map

Table 1:

Groundwater Monitoring Data and Analytical Results

Table 2:

Groundwater Analytical Results - PAHs

Table 3:

Groundwater Analytical Results - VOCs

Attachments:

Standard Operating Procedure - Groundwater Sampling

Field Data Sheets

Chain of Custody Document and Laboratory Analytical Reports

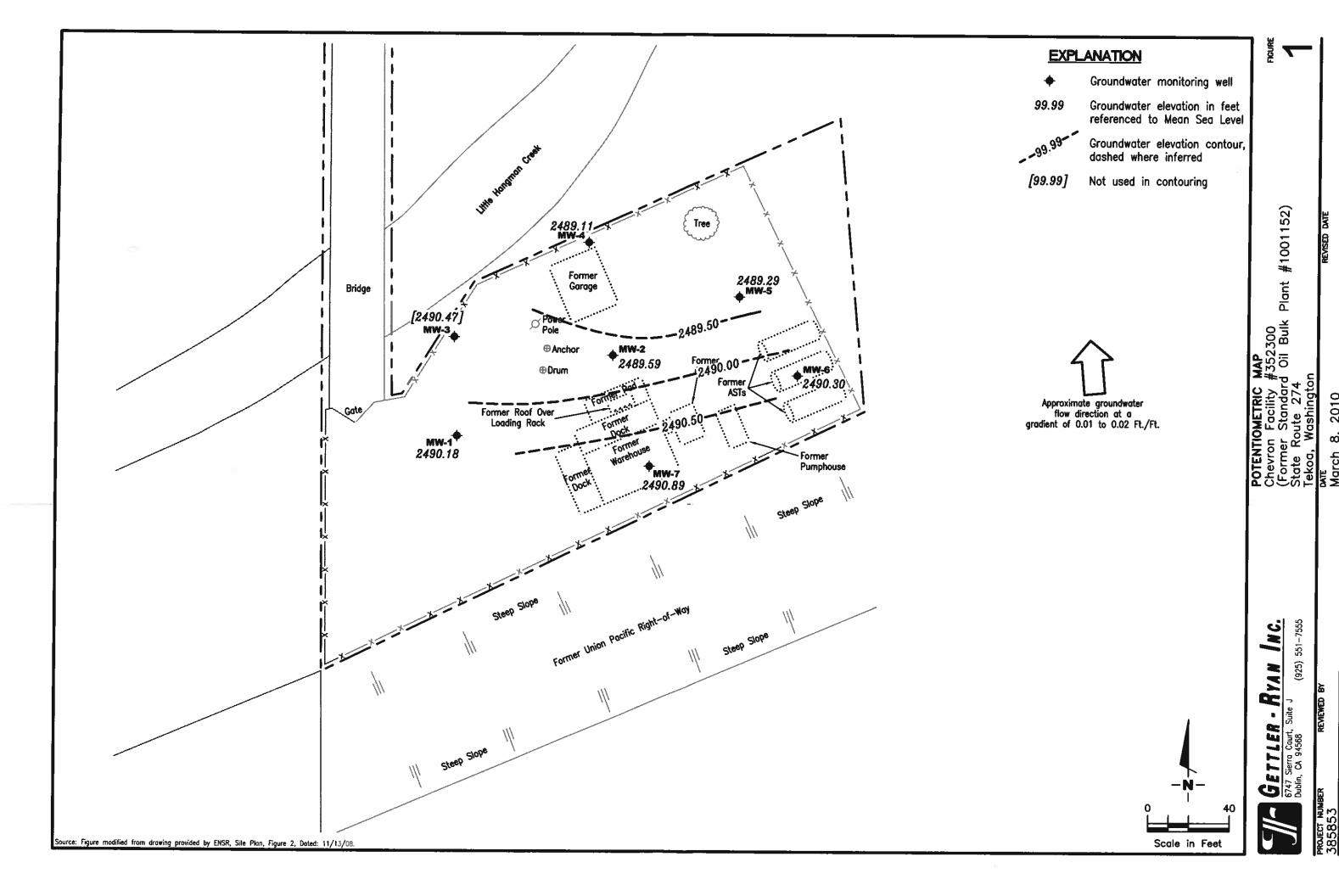


Table 1 Groundwater Monitoring Data and Analytical Results

Chevron Service Station #352300

(Former Standard Oil Bulk Plant #1001152)

State Route 274

Tekoa, Washington

							Tekoa, Washir	ngton						
					TPH-	TPH-	TPH-							
WELL ID/ DATE		TOC*	DTW (fl.)	GWE (fl.)	DRO (µg/L)	HRO (µg/L)	GRO	В	T (µg/L)	E	X	MTBE	D. LEAD	T. LEAD
la constitución de la constituci	andananici		0-7	0-7	The co	(PE/L)	(µg/L)	(µg/L)	(Hg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)
MW-1	LED	2404.50		2400.46				a a1						
11/10/08	LFP	2494.59	6.13	2488.46		<73	1401	0.61	<0.5	<0.5	<1.0	<0.5	< 0.050	2.8
02/09/09	LFP	2494.59	3.24	2491.35		<66	82¹	<0.5	<0.5	<0.5	<1.0	<0.5	< 0.050	0.361
03/08/10	LFP	2494.59	4.41	2490.18	87	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.15	57.4
MW-2														
11/10/08	LFP	2495.26	6.74	2488.52	2,500	420	2,400	0.9^{1}	<0.5	21	4.8 ¹	<0.5	2	2
02/09/09		2495.26	INACCESS		-,				••	_				
03/08/10	LFP	2495.26	5.67	2489.59	880	<71	1,000	<0.5	<0.5	0.6	0.7	<0.5	<0.050	9.5
MW-3														
11/10/08	LFP	2493.95	6.40	2487.55	400	100 ¹	170¹	<0.5	<0.7	<0.8	<1.6	<0.5	< 0.050	54.2
02/09/09		2493.95	INACCESS											
03/08/10		2493.95	3.48		WELL OBS		-	_	_	_	-		••	-
		24,00,0	5.70	2470.47	WELL OBS	INCCIED			-	_	-	-		π.
MW-4														
11/10/08	LFP	2494.10	6.53	2487.57	360	77¹	230 ¹	11	<0.5	< 0.5	<1.0	< 0.5	< 0.050	57.7
02/09/09		2494.10	INACCESS	SIBLE							••	••		
03/08/10	LFP	2494.10	4.99	2489.11	830	<68	2,700	3	<0.5	14	16	<0.5	0.14	53.0
MW-5														
11/10/08	LFP	2495.16	6.63	2488.53	1,700	1,600	240¹	0.61	<0.5	<0.5	<1.0	<0.5	2	2
02/09/09	LFP	2495.16	0.92	2494.24	180	230 ¹	<50	<0.5	<0.5	<0.5	<1.0	<0.5	0.093 ¹	1.6
03/08/10	LFP	2495.16	5.87	2489.29	450	<700 ³	71	<0.5	<0.5	<0.5	<0.5	<0.5		
		2475.10	J.G /	E407.67	430	-100	/1	~0.5	~0.5	~0.3	~0. 3	~ 0.5	0.074	194
MW-6														
11/10/08	LFP	2496.04	5.66	2490.38	570	140 ¹	<50	<0.5	< 0.5	< 0.5	<1.0	< 0.5	2	649
02/09/09		2496.04	INACCESS	SIBLE										
03/08/10	LFP	2496.04	5.74	2490.30	58	<69	<50	<0.5	< 0.5	<0.5	<0.5	<0.5	< 0.050	39.3

Table 1 Groundwater Monitoring Data and Analytical Results

Chevron Service Station #352300

(Former Standard Oil Bulk Plant #1001152)

State Route 274

Tekoa, Washington

					TPH-	TPH-	TPH-							
WELL ID	/	TOC*	DTW	GWE	DRO	HRO	GRO	В	7	E	X	MTBE	D. LEAD	T. LEAD
DATE		(%)	(ft.)	(fL)	(μg/L)	(μg/L)	(µg/L)	(µg/L)	(jeg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)	(μg/L)
MW-7														
11/10/08	LFP	2495.66	5.12	2490.54	2,500	400	4,400	21	21	25	49	< 0.5	0.0631	95.2
02/09/09		2495.66	INACCESS	IBLE					_	_	_		-	
03/08/10	LFP	2495.66	4.77	2490.89	56	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.059	18.1
03/08/10	LFP (D)	2495.66	-	-	110	110	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050	21.9
TRIP BLA	NK													
QA														
11/10/08			**				<50	< 0.5	<0.5	<0.5	< 0.5			
02/09/09			-	-		-	<50	<0.5	<0.5	<0.5	< 0.5	-		
03/08/10			-	-			<50	<0.5	<0.5	<0.5	<0.5	-		-

Constituent:	TPH-DRO	_TPH-HRO	TPH-GRO	В	T	E	X	MTBE	D. LEAD	T. LEAD
Standard Laboratory Reporting Limits:			_	0.5	0.5	0.5	0.5	0.5	0.050	0.050
MTCA Method A Cleanup Levels:	500	500	800/1,000	5	1,000	700	1,000	20		15
Current Method:	NWTPH-D:	Extended	NWTPH-Gx		EP	A Method 8			EPA 6020	EPA 6020

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #352300 (Former Standard Oil Bulk Plant #1001152) State Route 274

Tekoa, Washington

EXPLANATIONS:

TOC = Top of Casing
(ft.) = Feet
DTW = Depth to Water

GWE = Groundwater Elevation
TPH = Total Petroleum Hydrocarbons

TPH = Total Petroleum Hydrocarbons
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
HRO = Heavy Range Organics

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes

MTBE = Methyl Tertiary Butyl Ether
D. LEAD = Dissolved Lead
T. LEAD = Total Lead

 $(\mu g/L)$ = Micrograms per liter

MTCA = Model Toxics Control Act Cleanup Regulations [WAC 173-340-720(2)(a)(I), as amended 02/01].

LFP = Low Flow Purge

(D) = Duplicate

-- = Not Measured/Not Analyzed

QA = Quality Assurance/Trip Blank

ANALYTICAL METHODS:

TPH-DRO and TPH-HRO w/silica gel by ECY 97-602 NWTPH-Dx modified

TPH-GRO by ECY 97-602 NWTPH-Gx modified

BTEX and MTBE by EPA Method 8260.

Total Lead and Dissolved Lead by SW-846-6020

- * TOC elevations were provided on August 14, 2008 by Statewide Land Surveying Inc. Vertical Datum is NAVD88.
- Laboratory report indicates estimated value.
- Not sampled due to insufficient water.
- Laboratory report indicates due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Table 2

Groundwater Analytical Results - PAHs

Chevron Service Station #352300 (Former Standard Oil Bulk Plant #1001152)

State Route 274
Tekoa Washington

							Tekoa,	Washingt	on ************************************							10010010010
WELL ID/	Acebsphthene (pg/L)	Acenaphthylene (ug/L)	Anthracene (pgA.)	Benzo (2) Anthracene (148/1.)	Benzū (a) Pyrene (#g/L)	Benzo (6) Fluaranthene (4g/L)	Benza (g,h,i) Perylene (pg/L)	Benzo (k) Fluaranthene (14g/L)	Chrysene (pg/L)	Dibenz (a,h) Anthracene (µg/L)	FL.UORANTHENE (#g/L)	Fluorene (µg/L)	Indeno (1.2,3-cd) Pyrene (pg/L)	Naphthalene (118/L)	Phenanthrene (ug/L)	Pyrene (pg/L)
MW-1	<u> </u>	1			<u> </u>					con weeper.				ere M artina	tururu ndu beratupuru	
11/10/08 ²	< 0.011	< 0.011	< 0.011	< 0.011	<0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.12 ³	< 0.011	< 0.011
02/09/09	< 0.010	< 0.010	< 0.010	< 0.010	<0.010	<0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
03/08/10	<0.0099	0.12	0.14	0.18	0.32	0.51	0.33	0.22	0.23	0.084	0.42	<0.0099	0.34	0.028	0.29	0.33
MW-2																
11/10/08 ²	0.041^{1}	< 0.011	0.049^{1}	< 0.011	<0.011	< 0.011	< 0.011	< 0.011	0.0131	< 0.011	0.020^{1}	0.058	< 0.011	12	0.0181	0.016 ¹
02/09/09	INACCES	SSIBLE					50 	_	**							
03/08/10	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.11	<0.10	10	<0.10	<0.10
MW-3																
11/10/08 ²	0.013^{1}	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.173	0.0141	< 0.011
02/09/09	INACCES	SSIBLE		_						-	_		-		-	
03/08/10 ⁶	-		-	-	-	-	-	-	-	-		-	-	-	-	-
MW-4																
11/10/08 ²	< 0.011	<0.011	0.016 ¹	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	<0.011	< 0.011	0.089	0.0171	< 0.011
02/09/09	INACCES	SSIBLE				••						-0.011		0.00 <i>)</i>	_	-
03/08/10	0.13	<0.0254	0.035	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	0.015	0.23	<0.0095	4.5	0.079	0.012

Table 2 Groundwater Analytical Results - PAHs

Chevron Service Station #352300 (Former Standard Oil Bulk Plant #1001152)

State Route 274

Tekoa, Washington ndeno (1,2,3-cd) Pyrene FLUORANTHENE cenaphthylene Acebaphthene (pg/L) (res/L) Pyrene (ug/L) (1/8m) (Mg/L) WELL ID/ DATE MW-5 11/10/082 0.044 0.31 0.29 0.63 1.2 2.0 0.64 0.62 0.92 0.20 1.5 0.064 0.67 0.29 0.98 1.2 02/09/09 0.0131 0.037^{1} 0.018^{1} < 0.010 0.0111 0.0141 0.021^{1} 0.014 0.0131 0.024^{1} 0.017 < 0.010 0.0171 < 0.010 0.020 < 0.010 03/08/105 <0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 0.025 < 0.0095 < 0.0095 MW-6 11/10/08² 0.044^{1} < 0.011 0.055 0.0291 0.12 0.13 0.090 0.057 0.020^{1} 0.079 0.21 0.020^{1} 0.076 0.12 0.15 0.20 02/09/09 **INACCESSIBLE** --03/08/105 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 0.25 < 0.10 < 0.10 MW-7 < 0.0404 0.0411 11/10/08 0.18 < 0.010 < 0.010 <0.010 < 0.010 < 0.010 < 0.010 < 0.010 0.010^{1} 0.33 < 0.010 6.7 0.057 0.014 02/09/09 **INACCESSIBLE** 03/08/10 < 0.0095 < 0.0095 0.015 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 0.042 < 0.0095 <0.0095 03/08/10 (D) <0.0095 <0.0095 0.015 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 < 0.0095 0.063 < 0.0095 < 0.0095

Table 2

Groundwater Analytical Results - PAHs

Chevron Service Station #352300 (Former Standard Oil Bulk Plant #1001152) State Route 274 Tekoa, Washington

EXPLANATIONS

ANALYTICAL METHODS: PAHs by EPA Method 8270C

 $(\mu g/L)$ = Micrograms per liter

PAHs = Polynuclear Aromatic Hydrocarbons

(D) = Duplicate

- Laboratory report indicates estimated value.
- Laboratory report indicates due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.
- Laboratory report indicates due to the presence of an interferent near the retention time of naphthalene, the reporting limit was raised. This was due to the fact that the interferent had a significant abundance of ions at or near the mass of naphthalene.
- Laboratory report indicates due to the presence of an interferent near the retention time of acenaphthylene, the reporting limit was raised. This was due to the fact that the interferent had a significant abundance of ions at or near the mass of acenaphthylene.
- Laboratory report indicates due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.
- Obstruction in well.

Table 3 Groundwater Monitoring Data and Analytical Results - VOCs

Chevron Service Station #352300

(Former Standard Oil Bulk Plant #1001152)

State Route 274

Tekoa, Washington

MW-1 11/10/08 ¹								le	koa, Wash	ungton								
MW-1 11/10/08 ¹	1. T. T. C. C. C. E. E. T. F. A. A. A. A. A.	Bromodichloromethane (μg/L)	n-Batylbenzene (<i>ug/L)</i>	sec-Butylbenzenz (pg.L)	tert-Butylbeazene (µg/L)	Chloroform (µg/L)	1,1-Dichloroethene (µg/L)	cis 1,2-Dichlaroethene $(\mu g T)$	bans-1,2-Dichloroethene (48/L)	Isoprapylbenzene (µg.L.)	p-Isapropyltoluene (ug/L)	Napbthalene (4g/L)	n-Propythenzene (11g/L.)	Fefrachlorvethene (#g/L)	(.1.1.Trichloroethane (#g/L)	Trichloroethene (4g/L)	1.2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (<i>Hg/L</i>)
11/10/08 ¹	MW-1																	
02/09/09		<1	<1	<1	<1	<0.8	< 0.8	<0.8	<0.8	<1	<1	<1	<1	<0.8	<0.8	<1	<1	<1
MW-2 11/10/08	02/09/09	<1	<1	<1	<1													<1
11/10/08	03/08/10	<1	<1	<1	<1	<0.8	<0.8		<0.8	<1	<1	<1	<1					<1
11/10/08	MW-2																	
02/09/09		<1	2 ²	7	<1	<0.8	<0.8	<0.8	<0.8	17	10	16	22	<0.8	<0.8	<1	130	39
MW-3 11/10/08³ <1 <1 1² <1 <0.8 <0.8 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <1 <0.8 <1 <1 <1 <0.8 <1 <1 <1 <0.8 <1 <1 <1 <1 <1 <0.8 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	02/09/09	INACCE																
11/10/08 ³ <1 <1 1 ² <1 <0.8 <0.8 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <1 <1 <0.02/09/09	-03/08/10	<1	1	5	<1	<0.8	<0.8	<0.8	<0.8	8	3	4		<0.8				<1
11/10/08 ³ <1 <1 1 ² <1 <0.8 <0.8 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <1 <1 <0.02/09/09	MW-3																	
02/09/09 INACCESSIBLE		<1	<1	I ²	<1	< 0.8	< 0.8	<0.8	<0.8	<1	<1	<1	<1	<0.8	<0.8	<1	<1	<1
MW-4 11/10/08 <1 <1 <1 <1 <0.8 <0.8 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <1 <1 <1 <0.8 <1 <1 <1 <0.8 <1 <1 <1 <0.8 <1 <1 <1 <0.8 <1 <1 <1 <0.8 <1 <1 <1 <1 <0.8 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	02/09/09	INACCE			536.25													
11/10/08 <1 <1 <1 <1 <0.8 <0.8 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <0.8 <0.8 <1 <1 <0.8 <0.8 <0.8 <1 <1 <0.8 <0.8 <0.8 <0.8 <0.8 <0.8 <0.8 <0.8	03/08/10 ⁷			77.0	7	-	-	-	-	-	-	-	-	-	-	-	-	-
11/10/08 <1 <1 <1 <1 <0.8 <0.8 <0.8 <0.8 <1 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <1 <0.8 <0.8 <1 <1 <0.8 <0.8 <1 <1 <0.8 <0.8 <0.8 <1 <1 <0.8 <0.8 <0.8 <0.8 <0.8 <0.8 <0.8 <0.8	MW-4																	
02/09/09 INACCESSIBLE		<1	<1	<1	<1	<0.8	<0.8	<0.8	<0.8	<1	<1	<1	<1	<0.8	< 0.8	<1	<1	<1
0.000	02/09/09	INACCE	SSIBLE		-							19097						
2 10 1 0.0 0.0 0.0 22 3 4 24 0.8 0.8 1 69 10	03/08/10	<1	2	10	<1	<0.8	<0.8	<0.8	<0.8	22	5	4	24	<0.8	<0.8	<1	69	10

Table 3 Groundwater Monitoring Data and Analytical Results - VOCs

Chevron Service Station #352300 (Former Standard Oil Bulk Plant #1001152)

State Route 274

Tekoa, Washington

									KUA, W ASI									
WELL ID/ DATE		Bromodichioromethane (µg/L)	n-Butylbenzene (ug/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (4g/L)	Chloroform (pg/L)	1,1-Dichloroetbene (µg/L)	cis-1,2-Dichlaroetheng (µg/L)	trans-1,2-Dichloroethene (µg/L)	Isoprapylbenzene (#&7.)	p-Isopropyitolusne (418/1.)	Naphthalene (ug/L)	n-Propylbenzene (4g/L)	Fefrachlorsethene (48/L)	(,1,1-Trichloroethane (pgL)	Trichloroethene (µg/L)	$(\mu_S L)$.	1,3,5 Trimethylbenzene (µg/L)
MW-5										····								
11/10/08		<1	<1	<1	<1	<0.8	<0.8	<0.8	<0.8	<1	<1	<1	<1	< 0.8	< 0.8	<1	<1	<1
02/09/09		<1	<1	<1	<1	< 0.8	<0.8	< 0.8	<0.8	<1	<1	<1	<1	< 0.8	< 0.8	<1	<1	<1
03/08/10 ⁵		<1	<1	<1	<1	<0.8	<0.8	<0.8	<0.8	<1	<1	<1	<1	<0.8	<0.8	<1	<1	<1
MW-6																		
11/10/08		<1	<1	<1	<1	<0.8	<0.8	<0.8	<0.8	<1	<1	<1	<1	<0.8	<0.8	<1	<1	<1
02/09/09		INACCE	SSIBLE															
03/08/106		<1	<1	<1	<1	<0.8	<0.8	<0.8	<0.8	<1	<1	<1	<1	<0.8	<0.8	<1	<1	<i< td=""></i<>
MW-7																		
11/10/084		<1	5	11	12	<0.8	<0.8	<0.8	<0.8	29	13	12	38	<0.8	<0.8	<1	150	59
02/09/09		INACCES	SSIBLE															
03/08/10		<1	<1	<1	<1	<0.8	<0.8	<0.8	<0.8	<1	<1	<1	<1	<0.8	<0.8	<1	<1	<1
03/08/10	(D)	<1	<1	<1	<1	<0.8	<0.8	<0.8	<0.8	<1	<1	<1	<1	<0.8	<0.8	<1	<1	<1

Table 3

Groundwater Monitoring Data and Analytical Results - VOCs

Chevron Service Station #352300 (Former Standard Oil Bulk Plant #1001152) State Route 274 Tekoa, Washington

EXPLANATIONS

ANALYTICAL METHODS:

VOCs by EPA Method 8260B

 $(\mu g/L)$ = Micrograms per liter

VOC = Volatile Organic Compounds

(D) = Duplicate

♦ All other VOCs by EPA Method 8260B were less than the reporting limit unless noted.

- Laboratory report indicates Carbon Disulfide was detected at 1 μg/L (estimated value).
- Laboratory report indicates estimated value.
- Laboratory report indicates Carbon Disulfide was detected at 2 μg/L (estimated value).
- ⁴ Laboratory report indicates 1,2 Dichloroethane was detected at 4 μg/L and Acetone was detected at 23 μg/L.
- Laboratory report indicates Carbon Disulfide was detected at 2 μg/L.
- Laboratory report indicates Carbon Disulfide was detected at 1 μg/L.
- Obstruction in well.

Standard Operating Procedure, Low-Flow Purging and Sampling

Gettler-Ryan Inc. field personnel adhere to the following Standard Operating Procedure (SOP) for the collection and handling of representative groundwater samples using the Low-Flow (Minimal-Drawdown) Purging technique. This SOP incorporates purging and sampling methods discussed in U.S. EPA, Ground Water Issue, Publication Number EPA/540/S-95/504, April 1996 by Puls, R.W. and M.J. Barcelona - "Low-Flow (Minimal-Drawdown) Ground-Water Sampling Procedures."

A QED Well WizardTM (or equivalent) bladder pump or Peristaltic Pump will be used to purge and sample selected wells as outlined in the scope-of-work. An in-line flow cell or other multi-parameter meter is used to collect water quality indicating parameters during purging.

Initial Pump Discharge Test Procedures

In each well, the Static Water Level (SWL) is measured prior to the installation of the pump or tubing in the well. In addition, the presence or absence of separate-phase hydrocarbons (SPH) is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot. The SWL measurement and SPH thickness, if any, will be recorded on the field data sheet.

The bladder pump or suction inlet tubing of the peristaltic pump is then positioned with its inlet located within the screened interval of the well. After pump installation, the SWL is allowed to recover to its original level. The pump is then started at a discharge rate between 100 ml to 300 ml per minute without the in-line flow cell connected. The water level is monitored continuously for any change from the original measurement and the discharge rate is adjusted until an optimum discharge rate (ODR) is determined. The goal for the ODR is to produce a stable drawdown of less than 0.1 meter; however the total drawdown from the initial SWL should not exceed 25% of the distance between pump inlet location and the top of the well screen. If the in-line flow cell is to be used, purging is discontinued once the ODR is determined, and the inline flow cell is connected. Purging is then resumed and the ODR is adjusted to allow for the back pressure of the in-line flow cell.

Purging and Water Quality Parameter Measurement

Prior to sampling the well, the SWL will be re-measured and documented and purging will be re-initiated using the ODR. The discharge rate will be confirmed by volumetric discharge measurement and the ODR adjusted as necessary. When the ODR has been re-established, the SWL drawdown has stabilized within the acceptable range and at least one pump system volume (bladder volume and/or discharge tubing volume) has been purged, field measurements for temperature (T), pH, conductivity (Ec), and if required, oxygen reduction potential (ORP) and dissolved oxygen (DO) will be collected and documented on the field data sheet. Measurements should be taken every three to five minutes until parameters stabilize for three consecutive readings. The minimum parameter subset of T (\pm 10%), pH (\pm 0.1 unit), and Ec (\pm 10 uS) are required to stabilize. Additional parameters that may be required are DO (\pm 0.2 mg/l) and ORP (\pm 20 mV).

Sample Collection

When water quality parameters have stabilized, and there is no change in the SWL drawdown, groundwater sample collection may begin. Water samples are collected from the discharge tubing into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. 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. A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples. 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.



Client/Facility#	: Chevron #3	52300		Job Number	385853		
Site Address:	State Route	274		Event Date:	3-8-	10	(inclusive)
City:	Tekoa,WA			Sampler:	ML		_ (1110103776)
Well ID	MW- /			Date Monitored	3-8-	10	
Well Diameter	2 ir	<u>n.</u>	Volun	ne 3/4"= 0.	02 1"= 0.04	2"= 0.17 3"= 0.3	
Total Depth	8,95 ft	<u>t.</u>	I	r (VF) 4"= 0.		6"= t.50 12"= 5.8	
Depth to Water	4,41 ft		Check if water colum	nn is less then 0.5	50 ft.		J
Depth to Water	w/ 80% Recharge	xVF 9 [(Height of \	Water Column x 0.20)	x3 case volume + DTWJ:	= Estimated Purg	e Volume:	gal.
Purge Equipment:		s	sampling Equipment:		Time Sta	arted: mpleted:	(2400 hrs)
Disposable Bailer			Disposable Bailer			Product:	(2400 hrs) ft
Stainless Steel Baile	er		Pressure Bailer			Water:	ft
Stack Pump			iscrete Bailer		Hydroca: Visual C	rbon Thickness:onfirmation/Description	ft
Suction Pump		P	eristaltic Pump	X		<u> </u>	
Grundfos		C	ED Bladder Pump		Skimmer	/ Absorbant Sock (cir noved from Skimmer:_	cle one)
Peristaltic Pump	_X_	C	Other:		Amt Rem	noved from Well:	gal
QED Bladder Pump					Water Re		
Other:					rioduci	i i ansierieu (o:	
Start Time (purg	e): 1350		Weather Co	nditions	Cloudy		
Sample Time/Da		3-8-10		: Clean-			
Approx. Flow Ra		pm.	Sediment De		_Odor: Y 10		
Did well de-wate		yes, Time:		· -	None	<u> </u>	,16
Dia Holl do Hate	"	yes, rinie.	· volui	me:	gal. DTW @	Sampling:	, 10
Time	Volume	рН	Conductivity	Temperature	Đ.O.	ORP	Gauge DTW
(2400 hr.)	(gal.)	Pit	(µmhos/cm - p	(<i>6</i>)/ F)	(mg/L)	(mV)	as parameters are recorded
1405	2-2	7.36	480	4.8			5.02
1408	2.7	7.31	486	4.9			5.11
_1411	3.1	7.32	487	4.9			5-16
SAMPLE ID	(#) CONTAINER	PEEDIG	LABORATORY IN				
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	INWTPH CVA/O	ANALYSES	
SAMPLE ID	(#) CONTAINER x voa vial x 1 liter ambers	REFRIG. YES YES	PRESERV. TYPE HCL	LANCASTER	NWTPH-Gx/VO	C's(8260)	
	x voa vial	REFRIG. YES	HCL	LABORATORY LANCASTER LANCASTER	NWTPH-Dx w/s	C's(8260) g	
	x voa vial x 1 liter ambers	YES YES	PRESERV. TYPE HCL	LANCASTER	NWTPH-Dx w/s PAH's (8270 SII	C's(8260) g M)	
	x voa vial x 1 liter ambers x 1 liter ambers	YES YES YES	HCL HCL Na2S2O3	LABORATORY LANCASTER LANCASTER LANCASTER	NWTPH-Dx w/s PAH's (8270 SII TOTAL LEAD (I	C's(8260) g M)	
	x voa vial x x 1 liter ambers x x 1 liter ambers x 500ml poly	YES YES YES YES YES	HCL HCL Na2S2O3 HNO3	LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER	NWTPH-Dx w/s PAH's (8270 SII TOTAL LEAD (I	C's(8260) 9 M) CP/MS 6020)	
	x voa vial x x 1 liter ambers x x 1 liter ambers x 500ml poly	YES YES YES YES YES	HCL HCL Na2S2O3 HNO3	LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER	NWTPH-Dx w/s PAH's (8270 SII TOTAL LEAD (I	C's(8260) 9 M) CP/MS 6020)	
MW- /	x voa vial x x 1 liter ambers x x 1 liter ambers x 500ml poly	YES YES YES YES YES	HCL HCL Na2S2O3 HNO3	LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER	NWTPH-Dx w/s PAH's (8270 SII TOTAL LEAD (I	C's(8260) 9 M) CP/MS 6020)	
MW- /	x voa vial x 1 liter ambers x 1 liter ambers x 500ml poly x 500ml poly	YES YES YES YES YES YES YES	HCL HCL Na2S2O3 HNO3	LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER	NWTPH-Dx w/s PAH's (8270 SII TOTAL LEAD (I	C's(8260) 9 M) CP/MS 6020)	

Client/Facility#	Chevron #3	52300		_ Job Number:	385853		
Site Address:	State Route	274		Event Date:	3-8-10		– (inclusive)
City:	Tekoa,WA			- Sampler:	mL		_` '
						·	- -
Well ID	NW- Z			Date Monitored:	3-8-10		
Well Diameter	2 ir). ~	Vol	ume 3/4"= 0.0		0.17 3"= 0.3	-
Total Depth	8,49 ft			tor (VF) 4"= 0.6		1.50 12"= 5.80	
Depth to Water	5.67 ft		Check if water colu	ımn is less then 0.5	iO ft.		
-		_xVF	<u> </u>	x3 case volume :	= Estimated Purge Vol	lume:	gal.
Depth to Water	w/ 80% Recharge	€ [(Height of	Water Column x 0.20)) + DTW]:		prove to	
Purge Equipment:			Sampling Equipmen		Time Started:		(2400 hrs)
Disposable Bailer			Disposable Bailer	ıL.	Time Complete	rea: luct:	(2400 hrs)
Stainless Steel Baile	er		Pressure Bailer		Depth to Wate	er	ft
Stack Pump			Discrete Bailer		Hydrocarbon		ft
Suction Pump		F	Peristaltic Pump	X		nation/Description	
Grundfos		C	ED Bladder Pump		Skimmer / Abs	sorbant Sock (cire	cle one)
Peristaitic Pump	<u> </u>	C	Other:		Amt Removed	from Skimmer:_ from Well:	gal
QED Bladder Pump					Water Remove	ed: ferred to:_	
Other:					r loudet frams	ieneu (0:	
Sample Time/Da Approx. Flow Ra Did well de-wate Time (2400 hr.) 0857 5990 0903	***	pm.			Odor: Y 1/9 MONE > gal. DTW @ San D.O. (mg/L)	orpling:	Gauge DTW as parameters are recorded 7.19 7.29 7-56
			LABORATORY	NFORMATION			
SAMPLE ID	(#) CONTAINER x voa vial	REFRIG. YES	PRESERV. TYPE			NALYSES	
	L x 1 liter ambers	YES	HCL HCL	LANCASTER LANCASTER	NWTPH-Gx/VOC's(8 NWTPH-Dx w/sg	260)	
	/ x 1 liter ambers	YES	Na2S2O3		PAH's (8270 SIM)		
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (ICP/M	IS 6020)	
	x 500ml poly	YES	NP	LANCASTER	DISSOLVED LEAD (I	CP/MS 6020)	
		·		-			
KETURNEV	LATER TO	s SAM	OLE AFTER	RECHARGO	APTER	. ,	<u>G,</u>
ONLY ABI	E TO COL	Lect 1	DNE (1) CIT	w Amber E	OC NWTPU-D	\$ PAHS	
Add/Replaced L		Add/l	Replaced Plug: _		Add/Replaced Bo		
BECAUSE	OF WELL 1	DEWA	TERING,	AND SLOW	RECHARGE.		



	Chevron #3	02000		Job Number:	385853		
Site Address:	State Route	274		Event Date:	3-8-10		 (inclusive)
City:	Tekoa,WA	_		Sampler:	ML	·.	
				<u> </u>	7,170		
Well ID	MW - 3			Date Monitored:	3-8-10		
Well Diameter	2 ir	_ 1.	Volum				_
Total Depth	MANA ft	4.67	Facto			"= 0.17 3"= 0. = 1.50 12"= 5.	
Depth to Water		-· —	heck if water colum	in is less then 0.50) ft.		
			==			olume:	— nai
Depth to Water	w/ 80% Recharge	— € [(Height of V	Vater Column x 0.20)	+ DTW]:			
				·	Time Starte	1 :	(2400 hrs)
Purge Equipment:	,		ampling Equipment:	/	Time Compl	eted:	(2400 hrs)
Disposable Bailer			isposable Bailer		Depth to Pro	oduct: iter:	ft
Stainless Steel Baile Stack Pump	· ——		ressure Bailer		Hydrocarbor	Thickness:	ft
Suction Pump	/-	_	iscrete Bailer		Visual Confi	mation/Descripti	on:
Grundfos	/		eristaltic Pump	<u>K</u>	Skimmer / A	bsorbant Sock (c	indo and
Peristaltic Pump			ED Bladder Pump		Amt Remove	ed from Ski m mer	: gal
QED Bladder Pump		U	ther:	/ -	Amt Remove	ed from Well:	gal
Other:	-/			/	Water Remo	vea: isferred to:	
Start Time (purge	۸.						
			Weather Cor				
Sample Time/Da	te: /		Water Color:		Odam W (81		
·			Water Color:		Odor: Y / N		
Approx. Flow Rat	te:	gpm.	Sediment De		Odor: Y / N		
Approx. Flow Rate Did well de-water	te:	gpm. yes, Time:	Sediment De	scription:	pal. DTW @ Sa	mpling:	
Did well de-water	te:		Sediment De	escription:	al. DTW @ Sa		Gauge DTW
	te:		Sediment DeVolum Conductivity	rescription:	D.O.	ORP	Gauge DTW as parameters
Did well de-water	te:If	yes, Time:	Sediment De	escription:	al. DTW @ Sa		, -
Did well de-water	te:If	yes, Time:	Sediment DeVolum Conductivity	rescription:	D.O.	ORP	as parameters
Did well de-water	te:If	yes, Time:	Sediment DeVolum Conductivity	rescription:	D.O.	ORP	as parameters
Did well de-water	te:If	yes, Time:	Sediment DeVolum Conductivity	rescription:	D.O.	ORP	as parameters
Did well de-water	te:If	yes, Time:	Sediment DeVolur Conductivity (µmhos/cm - µS)	rescription: me: Temperature (C / F)	D.O.	ORP	as parameters
Did well de-water	Volume (gal.)	yes, Time:	Sediment De Volur Conductivity (µmhos/cm - µS) ABORATORY IN	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	as parameters
Did well de-water Time (2400 hr.) SAMPLE ID	Volume (gal.) (#) CONTAGNER	yes, Time:	Sediment De Volur Conductivity (µmhos/cm - µS) ABORATORY IN PRESERV. TYPE	Temperature (C / F) FORMATION LABORATORY	D.O. (mg/L)	ORP (mV)	as parameters
Did well de-water	Volume (gal.) (#) CONTAINER x voa vial	pH REFRIG. VES	Sediment De Volur Conductivity (µmhos/cm - µS) ABORATORY IN PRESERV. TYPE HCL	Temperature (C / F) FORMATION LABORATORY LANCASTER	D.O. (mg/L)	ORP (mV)	as parameters
Did well de-water Time (2400 hr.)	Volume (gal.) (#) CONTAGNER	PH REFRIG.	Sediment De Volur Conductivity (µmhos/cm - µS) ABORATORY IN PRESERV. TYPE HCL HCL	Temperature (C / F) FORMATION LABORATORY LANCASTER LANCASTER	D.O. (mg/L) WTPH-Gx/VOC's WTPH-Dx w/sg	ORP (mV)	as parameters
Did well de-water Time (2400 hr.)	Volume (gal.) (#) CONTAINER x voa vial x 1 liter ambers	pH REFRIG. VES	Sediment De Volur Conductivity (µmhos/cm - µS) ABORATORY IN PRESERV. TYPE HCL HCL Na2S2O3	Temperature (C / F) FORMATION LABORATORY LANCASTER LANCASTER LANCASTER	D.O. (mg/L) WTPH-Gx/VOC's(WTPH-Dx w/sg	ORP (mV)	as parameters
Did well de-water Time (2400 hr.)	Volume (gal.) (#) CONTAINER x voa vlal x 1 liter ambers x 1 liter ambers	PH REFRIG. VES VES VES	Sediment De Volur Conductivity (µmhos/cm - µS) ABORATORY IN PRESERV. TYPE HCL HCL	Temperature (C / F) FORMATION LABORATORY LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER	D.O. (mg/L) WTPH-Gx/VOC's WTPH-Dx w/sg	ORP (mV)	as parameters
Did well de-water Time (2400 hr.)	(#) CONTAINER x voa vlal x 1 liter ambers x 500ml poly	PH REFRIG. VES YES YES	Sediment De Volur Conductivity (µmhos/cm - µS) ABORATORY IN PRESERV. TYPE HCL HCL Na2S2O3 HNO3	Temperature (C / F) FORMATION LABORATORY LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER	D.O. (mg/L) WYTPH-Gx/VOC's WTPH-Dx w/sg PAH's (8270 SIM)	ORP (mV)	as parameters
Time (2400 hr.) SAMPLE ID MW-	(#) CONTAINER x voa vlal x 1 liter ambers x 500ml poly	PH REFRIG. VES VES YES YES YES	ABORATORY IN PRESERV. TYPE HCL HCL Na2S2O3 HNO8 NP	Temperature (C / F) FORMATION LABORATORY LANCASTER LA	D.O. (mg/L) NWTPH-Gx/VOC's WTPH-Dx w/sg PAH's (8270 SIM) TOTAL LEAD (ICPA DISSOLVED LEAD	ORP (mV) ANALYSES (8260) MS 6020) (ICP/MS 6020)	as parameters are recorded
SAMPLE ID MW- COMMENTS:	Volume (gal.) (#) CONTAINER x voa vial x 1 liter ambers x 500ml poly x 500ml poly	PH REFRIG. VES VES VES VES VES VES	Sediment De Volur Conductivity (µmhos/cm - µS) ABORATORY IN PRESERV. TYPE HCL HCL Na2S2O3 HNO8 NP	FORMATION LABORATORY LANCASTER	D.O. (mg/L) NWTPH-Gx/VOC's WTPH-Dx w/sg PAH's (8270 SiM) TOTAL LEAD (ICP/	ORP (mV) ANALYSES (8260) MS 6020) (ICP/MS 6020)	as parameters are recorded
SAMPLE ID MW- COMMENTS:	Volume (gal.) (#) CONTAINER x voa vial x 1 liter ambers x 500ml poly x 500ml poly	PH REFRIG. VES VES VES VES VES VES	Sediment De Volur Conductivity (µmhos/cm - µS) ABORATORY IN PRESERV. TYPE HCL HCL Na2S2O3 HNO8 NP	FORMATION LABORATORY LANCASTER	D.O. (mg/L) NWTPH-Gx/VOC's WTPH-Dx w/sg PAH's (8270 SiM) TOTAL LEAD (ICP/	ORP (mV) ANALYSES (8260) MS 6020) (ICP/MS 6020)	as parameters are recorded
SAMPLE ID MW- COMMENTS: OR STRUCTS	Volume (gal.) (#) CONTAINER x voa vial x 1 liter ambers x 500ml poly x 500ml poly	PH REFRIG. VES VES VES VES VES VES	Sediment De Volur Conductivity (µmhos/cm - µS) ABORATORY IN PRESERV. TYPE HCL HCL Na2S2O3 HNO8 NP	FORMATION LABORATORY LANCASTER	D.O. (mg/L) NWTPH-Gx/VOC's WTPH-Dx w/sg PAH's (8270 SiM) TOTAL LEAD (ICP/	ORP (mV) ANALYSES (8260) MS 6020) (ICP/MS 6020)	as parameters are recorded
SAMPLE ID MW- COMMENTS: OR STRUCTS	(#) CONTAINER (#) CONTAINER x voa vlal x 1 liter ambers x 500ml poly x 500ml poly X 500ml poly	REFRIG. VES VES YES YES TON T	Sediment De Volur Conductivity (µmhos/cm - µS) ABORATORY IN PRESERV. TYPE HCL HCL Na2S2O3 HNO8 NP	FORMATION LABORATORY LANCASTER	D.O. (mg/L) NWTPH-Gx/VOC's WTPH-Dx w/sg PAH's (8270 SiM) TOTAL LEAD (ICP/	ORP (mV) ANALYSES (8260) MS 6020) (ICP/MS 6020)	as parameters are recorded FEET,



Client/Facility#	: Chevron #3	52300		Job Number	385853		
Site Address:	State Route	274		Event Date:	3-8-1	0	 (inclusive)
City:	Tekoa,WA			Sampler:	ML		(
Well ID	MW- 4			Date Monitored	3-8-1	0	
Well Diameter		<u>n.</u>	Vol	lume 3/4"= 0.		2"= 0.17 3"= 0.3	
Total Depth	10.30 ff	<u>t.</u>		otor (VF) 4"= 0.		6"= 1.50 12"= 5.8	- 1
Depth to Water	<u>4,99</u> ft		Check if water colu	umn is less then 0.5	50 ft.		
Depth to Water	w/ 80% Recharge	xVF e [(Height of	Water Column x 0.20	x3 case volume 0) + DTW]:	= Estimated Purg	e Volume:	gal.
Purge Equipment:			Sampling Equipmen		Time Sta		(2400 hrs)
Disposable Bailer			Disposable Bailer	ii.	Depth to	mpleted: Product:	(2400 hrs)
Stainless Steel Baile	er		Pressure Bailer		Depth to	Water:	
Stack Pump			Discrete Bailer		Hydrocai Vieual Co	bon Thickness:	ft
Suction Pump			Peristaltic Pump			onfirmation/Description	
Grundfos		(QED Bladder Pump		Skimmer	/ Absorbant Sock (ci	cle one)
Peristaltic Pump	X	C	Other:		Amt Rem	loved from Skimmer: loved from Well:	gal
QED Bladder Pump					Water Re	moved:	
Other:					Product	ransferred to:	
Start Time (purg			Weather C	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Cloude	1	
Sample Time/Da			Water Cold		_Odor: Y 📶	Ý	
Approx. Flow Ra		gpm.		Description:	me -		<u> </u>
Did well de-wate	r? <u>/////</u> If	yes, Time	:: Vol	ume:	gal. DTW @	Sampling:	6137
Time (2400 hr.)	Volume (gal.)	рН	Conductivity (µmhos/cm -{µS})	Temperature	D.Q. (mg/L)	ORP (mV)	Gauge DTW as parameters
1055	2-25	1.19	7.910	7.0			are recorded
1058	2.7	7.24	30%	7.0			6.76
1101	3.1	7.26	30	7.0			6.32
			LABORATORY	INFORMATION			
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE			ANALYSES	
MW- 4	x voa vial	YES	HCL.	LANCASTER	NWTPH-Gx/VO		
<u> </u>	Z x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/s	T	
 	Z x 1 liter ambers	YES	Na2S2O3	LANCASTER	PAH's (8270 SIN	<u>* </u>	
<u> </u>	x 500ml poly x 500ml poly	YES YES	HNO3 NP	LANCASTER	TOTAL LEAD (IC		
	A COURT POLY	163	INP	LANCASTER	DISSOLVED LE	AD (ICP/MS 6020)	
COMMENTS:							
Add/Replaced L	ock:		Replaced Plug:		Add/Replace		



Client/Facility#:	Chevron #3	52300		Job Number:	385853		
Site Address:	State Route	274		Event Date:	3-8-10	······································	- (inclusius)
City:	Tekoa,WA						_ (inclusive)
	Tollou,TTA			Sampler:	MC		-
Well ID	MW- 5			Date Monitored	3-8-10		
Well Diameter	2 in	_ 1.	Г				
Total Depth	#9.22 ft.	<u> </u>	I	Volume 3/4"= 0, Factor (VF) 4"= 0,		"= 0.17 3"= 0.38 = 1.50 12"= 5.80	I
Depth to Water	5 ,87 ft.			olumn is less then 0.5		- 1.30 12 - 3.60	
,		XVF		x3 case volume			
Depth to Water v	w/ 80% Recharge		Water Column v 0	.20) + DTW]:	= Esumated Purge v	olume:	_ gal.
,		, I(viol@iit oi	vale: Coldinit X V	.20) + D1VVJ	H	_1 .	
Purge Equipment:		8	Sampiing Equipm	ent:	Time Starte	a: leted:	(2400 hrs) (2400 hrs)
Disposable Bailer		C	Disposable Bailer		Depth to Pro	oduct:	ft
Stainless Steel Bailer		F	ressure Bailer		Depth to Wa		ft
Stack Pump			Discrete Bailer		Hydrocarbo	n Thickness:	ft
Suction Pump		F	Peristaltic Pump	X			
Grundfos		C	ED Bladder Pump	0	Skimmer / A	bsorbant Sock (circ	le one)
Peristattic Pump		C	Other:		Amt Remove	ed from Skimmer:_ ed from Well:	gal
QED Bladder Pump					■ Water Remo	ved:	
Other:					Product Trai	nsferred to:	
=							
Start Time (purge	44 -		Weather	Conditions:	Oudy		
Sample Time/Dat	le: 1505 /2	-8-10	181-1- 0				
•		<u> </u>	water Co	olor: Clawly	Odor: Y /(N)	ţ	
Approx. Flow Rat		gpm.			T		-
•	e: 150 m		Sedimen	t Description:	iant		36
Approx. Flow Rat Did well de-water	e: 150 ml ? _^_ If	gpm.	Sedimen	t Description:	gal. DTW @ Sa	ampling:	36
Approx. Flow Rat	e: 150 ml ?	gpm.	Sedimen Conductivity	t Description:	gal. DTW @ Sa	ampling:	Gauge DTW as parameters
Approx. Flow Rat Did well de-water	e: 150 m ? If	gpm. yes, Time	Sedimen	t Description:	gal. DTW @ Sa	ampling:	Gauge DTW as parameters are recorded
Approx. Flow Rat Did well de-water	e: 150 ml ?	gpm. yes, Time	Sedimen Conductivity	t Description:	gal. DTW @ Sa	ampling:	as parameters
Approx. Flow Rat Did well de-water	e: 150 m ? If	gpm. yes, Time	Sedimen Conductivity	t Description:	gal. DTW @ Sa	ampling:	as parameters are recorded
Approx. Flow Rat Did well de-water	e: 150 m ? If	gpm. yes, Time	Sedimen Conductivity	t Description:	gal. DTW @ Sa	ampling:	as parameters are recorded
Approx. Flow Rat Did well de-water	e: 150 m ? If	gpm. yes, Time	Sedimen Conductivity	t Description:	gal. DTW @ Sa	ampling:	as parameters are recorded
Approx. Flow Rat Did well de-water	e: 150 m ? If	ppm. yes, Time pH 7.30 7.26 7.25	Sediment V Conductivity (µmhos/cm / µs/4) 9	Temperature (C F)	gal. DTW @ Sa	ampling:	as parameters are recorded
Approx. Flow Rat Did well de-water Time (2400 hr.) 08/5 08/8 087	e: 150 m if Volume 2-25 2-7 3-(#) CONTAINER	ppm. yes, Time pH 7.30 7.26 7.25	Sediment V Conductivity (µmhos/cm / µs/4) 9	Temperature (C F) (J) (NFORMATION	gal. DTW @ Sa	ORP (mV)	as parameters are recorded
Approx. Flow Rat Did well de-water Time (2400 hr.) 08/5 08/8 082(e: 150 m 150	ppm. yes, Time pH 7.30 7.26 7.25 REFRIG. YES	Sediment V Conductivity (µmhos/cm / µs/q 48/q 48/q	Temperature (C F) (J) (NFORMATION	gal. DTW @ Sa	ORP (mV)	as parameters are recorded
Approx. Flow Rat Did well de-water Time (2400 hr.) 08/5 08/8 082(e: 150 m/ Polume 2.25 2-7 3-(#) CONTAINER	ppm. yes, Time pH 7.30 7.26 7.25 REFRIG.	Conductivity (µmhos/cm / µs/ 4 8 7 4 8 8 LABORATOR) PRESERV. TY	Temperature (C F) (NFORMATION PE LABORATORY	gal. DTW @ Sa D.O. (mg/L)	ORP (mV)	as parameters are recorded
Approx. Flow Rat Did well de-water Time (2400 hr.) 08/5 08/8 082(Volume Volume 2.25 2.7 3. (#) CONTAINER (x) x voa vlai x 1 liter ambers x 1 liter ambers	ppm. yes, Time pH 7.30 7.25 7.25 REFRIG. YES YES YES	Conductivity (µmhos/cm / µs/ 4 8 7 4 8 8 LABORATOR) PRESERV. TY HCL	Temperature (C F) (C F) (NFORMATION PE LABORATORY LANCASTER LANCASTER LANCASTER	D.O. (mg/L) NWTPH-Gx/VOC's NWTPH-Dx w/sg PAH's (8270 SIM)	ORP (mV) ANALYSES (8260)	as parameters are recorded
Approx. Flow Rat Did well de-water Time (2400 hr.) 08/5 08/8 082(Volume Volume 2 - 25 2 - 7 3 - (#) CONTAINER x voa viail x 1 liter ambers x 500ml poly	ppm. yes, Time pH 7.30 7.25 REFRIG. YES YES YES YES	Conductivity (µmhos/cm / µs/ 4 8 8 LABORATOR) PRESERV. TY HCL HCL Na2S2O3 HNO3	Temperature (C / F) VINFORMATION PE LABORATORY LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER	D.O. (mg/L) NWTPH-Gx/VOC's NWTPH-Dx w/sg PAH's (8270 SIM) TOTAL LEAD (ICP/	ORP (mV) ANALYSES (8260)	as parameters are recorded
Approx. Flow Rat Did well de-water Time (2400 hr.) 08/5 08/8 082(Volume Volume 2.25 2.7 3. (#) CONTAINER (x) x voa vlai x 1 liter ambers x 1 liter ambers	ppm. yes, Time pH 7.30 7.25 7.25 REFRIG. YES YES YES	Conductivity (µmhos/cm / µs/ 4 8 / g 4	Temperature (C F) (C F) (NFORMATION PE LABORATORY LANCASTER LANCASTER LANCASTER	D.O. (mg/L) NWTPH-Gx/VOC's NWTPH-Dx w/sg PAH's (8270 SIM)	ORP (mV) ANALYSES (8260)	as parameters are recorded
Approx. Flow Rat Did well de-water Time (2400 hr.) 08/5 08/8 082(Volume Volume 2 - 25 2 - 7 3 - (#) CONTAINER x voa viail x 1 liter ambers x 500ml poly	ppm. yes, Time pH 7.30 7.25 REFRIG. YES YES YES YES	Conductivity (µmhos/cm / µs/ 4 8 8 LABORATOR) PRESERV. TY HCL HCL Na2S2O3 HNO3	Temperature (C / F) VINFORMATION PE LABORATORY LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER	D.O. (mg/L) NWTPH-Gx/VOC's NWTPH-Dx w/sg PAH's (8270 SIM) TOTAL LEAD (ICP/	ORP (mV) ANALYSES (8260)	as parameters are recorded
Approx. Flow Rat Did well de-water Time (2400 hr.) 08/5 08/8 087 SAMPLE ID MW- 5	e: 150 m Polume 2-25 2-7 3-((#) CONTAINER	PPM. yes, Time pH 7.30 7.25 7.25 REFRIG. YES YES YES YES YES	Conductivity (µmhos/cm / µs/ 4 8 8 ABORATOR) PRESERV. TY HCL HCL Na2S2O3 HNO3 NP	Temperature (C / F) VINFORMATION PE LABORATORY LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER	D.O. (mg/L) NWTPH-Gx/VOC's NWTPH-Dx w/sg PAH's (8270 SIM) TOTAL LEAD (ICP/	ORP (mV) ANALYSES (8260) MS 6020) (ICP/MS 6020)	as parameters are recorded 8.16 8.30 8.38
Approx. Flow Rat Did well de-water Time (2400 hr.) 08/5 08/8 087 SAMPLE ID MW- 5	e: 150 m Polume 2-25 2-7 3-((#) CONTAINER	PPM. yes, Time pH 7.30 7.25 7.25 REFRIG. YES YES YES YES YES	Conductivity (µmhos/cm / µs/ 4 8 8 ABORATOR) PRESERV. TY HCL HCL Na2S2O3 HNO3 NP	Temperature (C / F) VINFORMATION PE LABORATORY LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER	D.O. (mg/L) NWTPH-Gx/VOC's NWTPH-Dx w/sg PAH's (8270 SIM) TOTAL LEAD (ICP/	ORP (mV) ANALYSES (8260) MS 6020) (ICP/MS 6020)	as parameters are recorded 8.16 8.30 8.38
Approx. Flow Rat Did well de-water Time (2400 hr.) 08/5 08/8 087 SAMPLE ID MW- 5	e: 150 m Polume 2-25 2-7 3-((#) CONTAINER	PPM. yes, Time pH 7.30 7.25 7.25 REFRIG. YES YES YES YES YES	Conductivity (µmhos/cm / µs/ 4 8 8 ABORATOR) PRESERV. TY HCL HCL Na2S2O3 HNO3 NP	Temperature (C / F) VINFORMATION PE LABORATORY LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER	D.O. (mg/L) NWTPH-Gx/VOC's NWTPH-Dx w/sg PAH's (8270 SIM) TOTAL LEAD (ICP/	ORP (mV) ANALYSES (8260) MS 6020) (ICP/MS 6020)	as parameters are recorded 8.16 8.30 8.38
Approx. Flow Rat Did well de-water Time (2400 hr.) 08/5 08/8 087 SAMPLE ID MW- 5	(#) CONTAINER (#) CONTAINER (x voa vlal x 1 liter ambers x 500ml poly x 500ml poly X 500ml poly	PPM. yes, Time pH 7.30 7.25 REFRIG. YES YES YES YES YES YES	Conductivity (µmhos/cm / µs/ 4 8 8 ABORATOR) PRESERV. TY HCL HCL Na2S2O3 HNO3 NP	Temperature (C, F) (C,	D.O. (mg/L) NWTPH-Gx/VOC's NWTPH-Dx w/sg PAH's (8270 SIM) TOTAL LEAD (ICP/	ORP (mV) ANALYSES (8260) MS 6020) (ICP/MS 6020)	as parameters are recorded 8.16 8.30 8.38



	Client/Facility#:	Chevron #3	52300		Job I	Number:	385853		
	Site Address:	State Route	274			nt Date:	3-8-10	3	 (inclusive)
	City:	Tekoa,WA			— Sam				(moldolve)
_		—					-1110		
	Well ID	MW- 6	_		Date Mo	onitored:	3-8-10		_
	Well Diameter	2 ir	<u>n.</u>	[·	Volume	3/4"= 0.02	2 1"= 0.04	2"= 0.17 3"= 0.3	
	Total Depth	9,75 ft	<u>t.</u>		Factor (VF)	4"= 0.60		6"= 1.50 12"= 5.8	
	Depth to Water	5.74 ft		Check if water c	olumn is less	then 0.50) ft.		
	Depth to Water v	w/ 80% Recharge	_XVF	Water Column v 0	x3 cas	e volume =	Estimated Purge	Volume:	gal.
		con reconding					Time Start	ed-	(2400 hrs)
	Purge Equipment:			Sampling Equipa	nent:		Time Com	pleted:	(2400 hrs)
	Disposable Bailer		į.	Disposable Bailer			Depth to P	roduct:	ft
	Stainless Steel Bailer	<u> </u>		Pressure Bailer			Hydrocarb	Vater on Thickness:	ft
	Stack Pump			Discrete Bailer		 _	Visual Con	firmation/Description	on:
	Suction Pump Grundfos			Peristaltic Pump		X	Skimmer /	Absorbant Sock (ci	role ene)
	Peristaltic Pump			QED Bladder Pum _i			Amt Remo	ved from Skimmer:	gal
	QED Bladder Pump			Other:			Amt Remo Water Rem	ved from Well:	gal
	Other:						Product To	ansferred to:	
	Start Time (purge Sample Time/Dal Approx. Flow Rat Did well de-water Time (2400 hr.)	te: 137.0 / 3 te: 150ml	3−8−10 øpm. i yes, Time	Water Co	_ Tempe	in	Odor: (1) / N Odor: (2) / N ODO: ODO: (mg/L)		Gauge DTW as parameters
	1305	7.2	7 22	729	" / i	• ,	(mg/L/	(1117)	are recorded
	1308	2.7	7 20	7.30	- 44				6.74
	1311	31	7:50	733	$-\frac{\sqrt{1-2}}{\sqrt{2}}$.			- 6.89 -
									6.86
_				1.000.					
Γ	SAMPLE ID	(#) CONTAINER	REFRIG.	LABORATORY PRESERV. TY		ATION RATORY [ANALYSES	
Ţ	MW- lp	6 x voa vial	YES	HCL			NWTPH-Gx/VOC		
L		2 x 1 liter ambers	YES	HCL			NWTPH-Dx w/sg		
F		2 x 1 liter ambers	YES	Na2S2O3			PAH's (8270 SIM)		
H		x 500ml poly	YES	HNO3			TOTAL LEAD (ICI		
þ		x 500ml poly	YES	NP	LANC	ASTER I	DISSOLVED LEA	D (ICP/MS 6020)	
								<u>_</u>	
C	OMMENTS:							· -	·
_							· 		
_						·			
	Add/Replaced Lo	ock:	Add/	Replaced Plug	:		Add/Replaced	Bolt:	



Client/Facility#:			- -	Job Number:			_
Site Address: City:	State Route Tekoa,WA	2/4		_ Event Date:	3-8-10) 	_(inclusive)
——————————————————————————————————————	TGROA, TTA			Sampler:	ml		
Well ID	Mw- 7	_		Date Monitored:	3-8-1	0	
Well Diameter	2 ir	<u>ı.</u>	Vol	ıme 3/4"= 0.0		= 0.17 3"= 0.38	
Total Depth	10.15 f			tor (VF) 4"= 0.6		1.50 12"= 5.80	
Depth to Water	4,77 ft		Check if water colu	mn is less then 0.5	iO ft.		
		_xVF	=	_ x3 case volume :	= Estimated Purge Vo	lume:	_ gai.
Depth to Water	w/ 80% Recharge	e [(Height of	Water Column x 0.20) + DTW]:			
Purge Equipment:		9	Sampling Equipmen	†•	Time Started:	ted:	(2400 hrs)
Disposable Bailer			Disposable Bailer	••		luct:	
Stainless Steel Baile	r		Pressure Bailer	-	Depth to Wat	er:	
Stack Pump			Discrete Bailer		Hydrocarbon Visual Confir	Thickness: nation/Description	ft
Suction Pump		F	Peristaltic Pump	X		•	
Grundfos		C	QED Bladder Pump		Skimmer / Ab	sorbant Sock (circ I from Skimmer:	le one)
Peristaltic Pump	X	C	Other:		Amt Removed	l from Well;	gal
QED Bladder Pump					Water Remov	ed:	
Other:					Product Trans	ferred to:	
	00-						
Start Time (purge			Weather C	61 1. 4	10uda		
Sample Time/Da		3-8-10		r. Cloudy	Odor: O/N	light	
Approx. Flow Rat		gpm.	Sediment D		laht		
Did well de-water	? <u>~~</u> If	yes, Time	: Vol	ume:	gal. DTW @ Sar	npling: <u>S</u> ,	69
Time	Volume,	nН	Conductivity	Temperature	D.O.	ORP	Gauge DTW
Time (2400 hr.)	Volume (AA)	pH	Conductivity (µmhos/cm (µS)	Temperature	D.O. (mg/L)	ORP (mV)	as parameters
	Volume 1949: L 2-25	7.15					_
	Volume, 1945) L 2-25 2-7	рн 7,15 2,11					as parameters
	Volume 1447 1-25 1-7 3-1	pH 7,15 7,11 2,12					as parameters
	Volume, (\$4.0) \\ \[\frac{1.7}{3.\} \]	pH 7,15 2,11 2,12					as parameters
	Volume 1401 1-25 1-7 3-1	pH 7,15 7,11 2-12	(µmhos/cm (µs) 571 578 580	8.7 8.1			as parameters
(2400 hr.) O9U() O9U() O9U() SAMPLE ID	Volume 1947) L 2-25 2-7 3-(#) CONTAINER	pH 7,15 7,11 7,17 7,17		(C) F) 	(mg/L)	(mV)	as parameters
(2400 hr.) O940 O943 O946	(#) CONTAINER (x voa vial	REFRIG. YES	(µmhos/cm (µs)/ 57/ 578 580 LABORATORY I	(C) F) 8.7 8.7 8.2 NFORMATION	(mg/L)	(mV)	as parameters
(2400 hr.) O9U() O9U() O9U() SAMPLE ID	(#) CONTAINER x voa vial x 1 liter ambers	YES YES	(µmhos/cm (µS) \$71 \$78 \$80 LABORATORY I PRESERV. TYPE HCL HCL	NFORMATION LABORATORY LANCASTER LANCASTER	(mg/L) A NWTPH-Gx/VOC's(8) NWTPH-Dx w/sg	(mV)	as parameters
(2400 hr.) O9U() O9U() O9U() SAMPLE ID	(#) CONTAINER x voa vial 2 x 1 liter ambers 2 x 1 liter ambers	YES YES YES	(µmhos/cm (µS) \$ 7 \$ 7 \$ 7 \$ 80 LABORATORY PRESERV. TYPE HCL HCL Na2S2O3	NFORMATION LABORATORY LANCASTER LANCASTER LANCASTER LANCASTER	(mg/L) A NWTPH-Gx/VOC's(E NWTPH-Dx w/sg PAH's (8270 SIM)	(mV)	as parameters
(2400 hr.) O9U() O9U() O9U() SAMPLE ID	(#) CONTAINER x voa vial x 1 liter ambers x 500ml poly	YES YES YES YES YES	LABORATORY I PRESERV. TYPE HCL HCL Na2S2O3 HNO3	NFORMATION LABORATORY LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER	(mg/L) NWTPH-Gx/VOC's(8 NWTPH-Dx w/sg PAH's (8270 SIM) TOTAL LEAD (ICP/M	(mV) ANALYSES 1260)	as parameters
(2400 hr.) O9U() O9U() O9U() SAMPLE ID	(#) CONTAINER x voa vial 2 x 1 liter ambers 2 x 1 liter ambers	YES YES YES	(µmhos/cm (µS) \$ 7 \$ 7 \$ 7 \$ 80 LABORATORY PRESERV. TYPE HCL HCL Na2S2O3	NFORMATION LABORATORY LANCASTER LANCASTER LANCASTER LANCASTER	(mg/L) A NWTPH-Gx/VOC's(E NWTPH-Dx w/sg PAH's (8270 SIM)	(mV) ANALYSES 1260)	as parameters
(2400 hr.) O9U() O9U() O9U() SAMPLE ID	(#) CONTAINER x voa vial x 1 liter ambers x 1 liter ambers x 500ml poly x 500ml poly	YES YES YES YES YES YES YES	(µmhos/cm (µS) \$ 7 \$ 7 \$ 7 \$ 7 \$ 5 \$ 8 \$ 8 \$ 9 \$ 1 \$ 1 \$ 2 \$ 1	NFORMATION LABORATORY LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER	(mg/L) NWTPH-Gx/VOC's(8 NWTPH-Dx w/sg PAH's (8270 SIM) TOTAL LEAD (ICP/M	(mV) ANALYSES 1260)	as parameters
(2400 hr.) O9U() O9U() O9U() SAMPLE ID	(#) CONTAINER x voa vial x 1 liter ambers x 1 liter ambers x 500ml poly x 500ml poly	YES YES YES YES YES YES YES	(µmhos/cm (µS) \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 6 \$ 7	NFORMATION LABORATORY LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER	(mg/L) NWTPH-Gx/VOC's(E NWTPH-Dx w/sg PAH's (8270 SIM) TOTAL LEAD (ICP/N DISSOLVED LEAD (I	(mV) ANALYSES (260) IS 6020) (CP/MS 6020)	as parameters are recorded \$5, 43 \$5, 57 \$5.69
(2400 hr.) O9U() O9U() O9U() SAMPLE ID MW- 7	(#) CONTAINER x voa vial x 1 liter ambers x 1 liter ambers x 500ml poly x 500ml poly	YES YES YES YES YES YES YES	LABORATORY I PRESERV. TYPE HCL HCL Na2S2O3 HNO3	NFORMATION LABORATORY LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER	(mg/L) NWTPH-Gx/VOC's(8 NWTPH-Dx w/sg PAH's (8270 SIM) TOTAL LEAD (ICP/M	(mV) ANALYSES (260) IS 6020) (CP/MS 6020)	as parameters are recorded \$5, 43 \$5, 57 \$5.69
(2400 hr.) O9U() O9U() O9U() SAMPLE ID MW- 7	(#) CONTAINER x voa vial x 1 liter ambers x 1 liter ambers x 500ml poly x 500ml poly	YES YES YES YES YES YES YES	(µmhos/cm (µS) \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 6 \$ 7	NFORMATION LABORATORY LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER LANCASTER	(mg/L) NWTPH-Gx/VOC's(E NWTPH-Dx w/sg PAH's (8270 SIM) TOTAL LEAD (ICP/N DISSOLVED LEAD (I	(mV) ANALYSES (260) IS 6020) (CP/MS 6020)	as parameters are recorded S. 43 S. 57 S. 69

Chevron Northwest Region Analysis Request/Chain of Custody

Acct. #: 11260 Semple #: 5125124-38



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Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, E	Oublin, CA 94568	Potable	틽	A					ş		MIS	020		□l∧s			-		77
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.	com)		ğ	m 8280 2g /kaphin			a Gel Cleanup		E S		ر ا		1	Mus poss	t meet sible fr	it lowe or 826	sat deter 30 comp	ition limits	۱'
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ANALYTICAL RESULTS

Prepared for:

Chevron 6001 Bollinger Canyon Road L4310 San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425 MAR 2 6 2000

GETTLER-RYAN INC

March 25, 2010

Project: 352300

Samples arrived at the laboratory on Thursday, March 11, 2010. The PO# for this group is 0015058618 and the release number is HUNTER. The group number for this submittal is 1185702.

Client Sample Description	Lancaster Labs (LLI) #
QA Water Sample	5925124
MW-1 Grab Water Sample	5925125
MW-1 Filtered Grab Water Sample	5925126
MW-2 Grab Water Sample	5925127
MW-2 Filtered Grab Water Sample	5925128
MW-4 Grab Water Sample	5925129
MW-4 Filtered Grab Water Sample	5925130
MW-5 Grab Water Sample	5925131
MW-5 Filtered Grab Water Sample	5925132
MW-6 Grab Water Sample	5925133
MW-6 Filtered Grab Water Sample	5925134
MW-7 Grab Water Sample	5925135
MW-7 Filtered Grab Water Sample	5925136
DUP Grab Water Sample	5925137
DUP Filtered Grab Water Sample	5925138

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



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COPY TO

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

Respectfully Submitted,

Christine Dulaney Senior Specialist



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Page 1 of 1

Sample Description: QA Water Sample

LLI Sample # WW 5925124 LLI Group # 1185702

WA

Project Name: 352300

Collected: 03/08/2010

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

Chevron

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

2740A

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846 826	0B	ug/l	ug/1	
06053	Benzene		71-43-2	N.D.	0.5	1
06053	Ethylbenzene		100-41-4	N.D.	0.5	1
06053	Toluene		108-88-3	N.D.	0.5	1
06053	Xylene (Total)		1330-20-7	N.D.	0.5	ī
GC Vol	latiles	ECY 97-602	NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C1	.2	n.a.	N.D.	50	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution
01163	BTEX by 8260B GC/MS VOA Water Prep	SW-846 8260B SW-846 5030B	1	Z100763AA Z100763AA	03/18/2010 08:11 03/18/2010 08:11	Kelly E Keller Kelly E Keller	Factor 1 1
	NWTPH-Gx water C7-C12 GC VOA Water Prep	ECY 97-602 NWTPH Gx	- 1	10075A94A	03/16/2010 21:42	Marie D John	1
01110	oc von water Frep	SW-846 5030B	1	10075A94A	03/16/2010 21:42	Marie D John	1



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Page 1 of 3

Sample Description: MW-1 Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA LLI Sample # WW 5925125 LLI Group # 1185702

MA

Project Name: 352300

Discard: 04/25/2010

Collected: 03/08/2010 14:20 by ML Ac

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

6001 Bollinger Canyon Road

L4310

Chevron

San Ramon CA 94583

274T1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles SW-846	8260B	ug/1	ug/l	
10903	Acetone	67-64-1	N.D.	6	1
10903	Benzene	71-43-2	N.D.	0.5	i
10903	Bromobenzene	108-86-1	N.D.	1	1
10903	Bromochloromethane	74-97-5	N.D.	1	1
10903	Bromodichloromethane	75-27-4	N.D.	ī	1
10903	Bromoform	75-25-2	N.D.	1	i
10903	Bromomethane	74-83-9	N.D.	ī	1
10903	2-Butanone	78-93-3	N.D.	3	î
10903	n-Butylbenzene	104-51-8	N.D.	1	i
10903	sec-Butylbenzene	135-98-8	N.D.	ī	ī
10903	tert-Butylbenzene	98-06-6	N.D.	1	ī
10903	Carbon Disulfide	75-15-0	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	ī
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	Chloroform	67-66 - 3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	2-Chlorotoluene	95-49-8	N.D.	1	1
10903	4-Chlorotoluene	106-43-4	N.D.	1	1
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	ī
10903	Dibromochloromethane	124-48-1	N.D.	1	ī
10903	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10903	Dibromomethane	74-95-3	N.D.	1	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903 10903	trans-1, 2-Dichloroethene	156-60-5	N.D.	0.8	1
	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903 10903	1,3-Dichloropropane	142-28-9	N.D.	1	1
10903	2,2-Dichloropropane	594-20-7	N.D.	1	1
10903	1,1-Dichloropropene	563-58-6	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene Ethylbenzene	10061-02-6	N.D.	1	1
10903	Hexachlorobutadiene	100-41-4	N.D.	0.5	1
10903	2-Hexanone	87-68-3	N.D.	2	1
10903		591-78-6	N.D.	3	1
10903	Isopropylbenzene p-Isopropyltoluene	98-82-8	N.D.	1	1
10903	Methyl Tertiary Butyl Ether	99-87-6	N.D.	1	1
10903	4-Methyl-2-pentanone	1634-04-4	N.D.	0.5	1
10903	Methylene Chloride	108-10-1	N.D.	3	1
10903	Naphthalene	75-09-2	N.D.	2	1
10903	n-Propylbenzene	91-20-3	N.D.	1	1
20703		103-65-1	N.D.	1	1



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Page 2 of 3

Sample Description: MW-1 Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA

LLI Sample # WW 5925125 LLI Group # 1185702 WA

Project Name: 352300

Collected: 03/08/2010 14:20 by ML Account Number: 11260

Submitted: 03/11/2010 09:35 Chevron

Reported: 03/25/2010 at 10:59 6001 Bollinger Canyon Road Discard: 04/25/2010

L4310

San Ramon CA 94583

274T1

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
10903	Styrene	_	100-42-5	N.D.	•	_
10903	1,1,1,2-Tetrachlor	oethane	630-20-6	N.D.	1	1
10903	1,1,2,2-Tetrachlor		79-34-5	N.D.	1	1
10903	Tetrachloroethene		127-18-4	N.D.	0.8	1
10903	Toluene		108-88-3	N.D.	0.8	1
10903	1,2,3-Trichloroben	zene	87-61-6	N.D.	1	1
10903	1,2,4-Trichloroben	zene	120-82-1	N.D.	1	1
10903	1,1,1-Trichloroeth	ane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroeth	ane	79-00-5	N.D.	0.8	1
10903	Trichloroethene		79-01-6	N.D.	1	1
10903	Trichlorofluoromet	hane	75-69-4	N.D.	2	1
10903	1,2,3-Trichloropro	pane	96-18-4	N.D.	ĩ	1
10903	1,2,4-Trimethylben	zene	95-63-6	N.D.	î	1
10903	1,3,5-Trimethylben	zene	108-67-8	N.D.	1	1
10903	Vinyl Chloride		75-01-4	N.D.	1	1
10903	m+p-Xylene		179601-23-1	N.D.	0.5	1
10903	o-Xylene		95-47-6	N.D.	0.5	1
10903	Xylene (Total)		1330-20-7	N.D.	0.5	i
GC/MS	Semivolatiles	SW-846	8270C SIM	ug/l	ug/1	
08357	Acenaphthene		83-32-9	N.D.	0.0099	1
08357	Acenaphthylene		208-96-8	0.12	0.0099	i
08357	Anthracene		120-12-7	0.14	0.0099	1
08357	Benzo(a)anthracene		56-55-3	0.18	0.0099	î
08357	Benzo(a)pyrene		50-32-8	0.32	0.0099	ī
08357	Benzo(b) fluoranther		205-99-2	0.51	0.0099	ī
08357	Benzo(g,h,i)peryler		191-24-2	0.33	0.0099	î
08357	Benzo(k) fluoranther	ie	207-08-9	0.22	0.0099	1
08357	Chrysene		218-01-9	0.23	0.0099	ī
08357	Dibenz (a, h) anthrace	ne	53-70-3	0.084	0.0099	ī
08357	Fluoranthene		206-44-0	0.42	0.0099	ī
08357	Fluorene		86-73-7	N.D.	0.0099	ī
08357	Indeno(1,2,3-cd)pyr	ene	193-39-5	0.34	0.0099	1
08357	Naphthalene		91-20-3	0.028	0.0099	1
08357	Phenanthrene		85-01-8	0.29	0.0099	1
08357	Pyrene		129-00-0	0.33	0.0099	1
GC Vol			02 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C	12	n.a.	N.D.	50	1
	ractable TPH	ECY 97-6	02 NWTPH-Dx	ug/l	ug/l	
w/81 G	el	modified	l			
02211	DRO C12-C24 w/Si Ge	1	n.a.	87	29	
	HRO C24-C40 w/Si Ge		n.a.	N.D.	68	1
					00	1
Metals		SW-846 6	020	ug/l	ug/1	
06035	Lead		7439-92-1	57.4	- ·	
			1207-36-T	21.3	0.050	1



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Page 3 of 3

Sample Description: MW-1 Grab Water Sample

LLI Sample # WW 5925125 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 14:20 by

by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

Chevron

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

274T1

CAT No.

Analysis Name

CAS Number

As Received Result As Received Method Detection Limit

Dilution Factor

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch	Analysis Date and Ti		Analyst	Dilution
10903	Solvent Cmpd List 8260 -	SW-846 8260B	1	W100731AA				Pactor
	Water	5W-040 0200B	1	WIOU/SIAA	03/14/2010	22:10	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W100731AA	03/14/2010	22:10	Nicholas P Riehl	
08357	PAHs in waters by SIM	SW-846 8270C SIM	_					1
10470			1	10071WAB026	03/20/2010	13:04	Joseph M Gambler	1
	BNA Water Extraction (SIM)	SW-846 3510C	ŀ	10071WAB026	03/12/2010	14:45	Kelli M Barto	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH	- 1	10075A94A	03/17/2010	03:00	Marie D John	-
		Gx	-		03/11/2010	03:00	Marie D Colli	1
01146	GC VOA Water Prep	SW-846 5030B	1	10075A94A	03/17/2010	03:00	Manda B Zaba	
02211		ECY 97-602 NWTPH	-				Marie D John	1
	Dr. water w/Dr Ger		- 1	100740012A	03/17/2010	19:57	Glorines Suarez-	1
		Dx modified					Rivera	
02135	Extraction - DRO Water	ECY 97-602 NWTPH	. 1	100740012A	03/15/2010	16:15	JoElla L Rice	
	Special	Dx 06/97	-	200.1001211	03/13/2010	10:15	COLITA L RICE	T
06035	Lead	- 7						
		SW-846 6020	1	100756050001A	03/17/2010	10:05	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	100756050001	03/16/2010	19:00	Mirit S Shenouda	1
	-		_		05,10,2010	13.00	HIIIC S SHEROUGE	1



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Page 1 of 1

Sample Description: MW-1 Filtered Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA

LLI Sample # WW 5925126

LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 14:20

by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

Chevron

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

CAT No.

Analysis Name

CAS Number

As Received

As Received Method Detection Limit

Dilution Pactor

Metals Dissolved

SW-846 6020

ug/l

ug/l

06035 Lead

7439-92-1 0.15 0.050

General Sample Comments

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

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035 06050	Lead ICP/MS SW-846 Water Digest	SW-846 6020 SW-846 3020A	1 1	100756050001A 100756050001	03/17/2010 10:06 03/16/2010 19:00		1



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Page 1 of 3

Sample Description: MW-2 Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA LLI Sample # WW 5925127 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 14:35 by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Chevron

Reported: 03/25/2010 at 10:59

6001 Bollinger Canyon Road

Discard: 04/25/2010

L4310

San Ramon CA 94583

274T2

CAT No.	Analysis Name		CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/M8	Volatiles	SW-846	8260B	ug/1		ug/l	
10903	Acetone		67-64-1	N.D.		6	1
10903	Benzene	30	71-43-2	N.D.		0.5	1
10903	Bromobenzene		108-86-1	N.D.		1	1
10903	Bromochloromethane		74-97-5	N.D.		ı 1	1
10903	Bromodichloromethan	e	75-27-4	N.D.		1	1
10903	Bromoform		75-25-2	N.D.		1	1
10903	Bromomethane		74-83-9	N.D.		1	1
10903	2-Butanone		78-93-3	N.D.		3	1
10903	n-Butylbenzene		104-51-8	1		1	1
10903	sec-Butylbenzene		135-98-8	5		1	i
10903	tert-Butylbenzene		98-06-6	N.D.		ī	î
10903	Carbon Disulfide		75-15-0	N.D.		1	ī
10903	Carbon Tetrachloride	ē.	56-23-5	N.D.		1	ī
10903	Chlorobenzene		108-90-7	N.D.		0.8	1
10903	Chloroethane		75-00-3	N.D.		1 +	1
10903	Chloroform		67-66-3	N.D.	110	0.8	ī
10903	Chloromethane		74-87-3	N.D.		1	1
10903	2-Chlorotoluene		95-49-8	N.D.		1	1
10903	4-Chlorotoluene		106-43-4	N.D.		1	1
10903	1,2-Dibromo-3-chlore	propane	96-12-8	N.D.		2	1
10903	Dibromochloromethane	•	124-48-1	N.D.		1	ī
10903	1,2-Dibromoethane		106-93-4	N.D.		0.5	ī
10903	Dibromomethane		74-95-3	N.D.		1	ī
10903	1,2-Dichlorobenzene		95-50-1	N.D.		1	ī
10903	1,3-Dichlorobenzene		541-73-1	N.D.		1	ī
10903	1,4-Dichlorobenzene		106-46-7	N.D.		1	ī
10903	Dichlorodifluorometh	ane	75-71-8	N.D.		2	ī
10903	1,1-Dichloroethane		75-34-3	N.D.		1	1
10903	1,2-Dichloroethane		107-06-2	N.D.		0.5	1
10903	1,1-Dichloroethene		75-35-4	N.D.		0.8	1
10903	cis-1,2-Dichloroethe		156-59-2	N.D.		0.8	1
10903	trans-1,2-Dichloroet	hene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane		78-87-5	N.D.		1	ī
10903	1,3-Dichloropropane		142-28-9	N.D.		1	1
10903	2,2-Dichloropropane		594-20-7	N.D.		1	1
10903	1,1-Dichloropropene		563-58-6	N.D.		1	1
10903	cis-1,3-Dichloroprop		10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropr	opene	10061-02-6	N.D.		1	1
10903	Ethylbenzene		100-41-4	0.6		0.5	1
10903	Hexachlorobutadiene		87-68-3	N.D.		2	1
10903	2-Hexanone		591-78-6	N.D.		3	1
10903	Isopropylbenzene		98-82-8	8		1	ī
10903	p-Isopropyltoluene		99-87-6	3		1	1
10903	Methyl Tertiary Buty	l Ether	1634-04-4	N.D.		0.5	1
10903	4-Methyl-2-pentanone		108-10-1	N.D.	:	3	1
10903	Methylene Chloride		75-09-2	N.D.		2	1
10903	Naphthalene		91-20-3	4	:	L	1
10903	n-Propylbenzene		103-65-1	10	1	L	ī



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Sample Description: MW-2 Grab Water Sample

LLI Sample # WW 5925127 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 14:35 by ML Account Number: 11260

Submitted: 03/11/2010 09:35 Chevron

Reported: 03/25/2010 at 10:59 6001 Bollinger Canyon Road

Discard: 04/25/2010 L4310

San Ramon CA 94583

274T2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor				
GC/M8	Wolatiles SW-846	8260B	ug/1	ug/1					
10903		100-42-5	N.D.	1	1				
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1				
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	- 1	i				
10903	Tetrachloroethene	127-18-4	N.D.	0.8	î				
10903	Toluene	108-88-3	N.D.	0.5	î				
10903	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	i				
10903	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	i				
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	i				
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1				
10903	Trichloroethene	79-01-6	N.D.	1	1				
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1				
10903	1,2,3-Trichloropropane	96-18-4	N.D.	ī	1				
10903	1,2,4-Trimethylbenzene	95-63-6	27	ī	1				
10903	1,3,5-Trimethylbenzene	108-67-8	N.D.	ī	1				
10903	Vinyl Chloride	75-01-4	N.D.	ĩ	1				
10903	m+p-Xylene	179601-23-1	0.7	0.5	1				
10903	o-Xylene	95-47-6	N.D.	0.5	1				
10903	Xylene (Total)	1330-20-7	0.7	0.5	1				
GC/MS Semivolatiles SW-846 8270C SIM			ug/1	ug/l					
08357	Acenaphthene	83-32-9	0.10	0.10	1				
08357	Acenaphthylene	208-96-8	N.D.	0.10	1				
08357	Anthracene	120-12-7	N.D.	0.10	î				
08357	Benzo (a) anthracene	56-55-3	N.D.	0.10	î				
08357	Benzo(a)pyrene	50-32-8	N.D.	0.10	1				
08357	Benzo(b) fluoranthene	205-99-2	N.D.	0.10	i				
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.10	i				
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.10	1				
08357	Chrysene	218-01-9	N.D.	0.10	1				
08357	Dibenz (a, h) anthracene	53-70-3	N.D.	0.10	1				
08357	Fluoranthene	206-44-0	N.D.	0.10	1				
08357	Fluorene	86-73-7	0.11	0.10	1				
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.10	1				
08357	Naphthalene	91-20-3	10	0.10	1				
08357	Phenanthrene	85-01-8	N.D.	0.10	_				
08357	Pyrene	129-00-0	N.D.	0.10	1				
Due danal	to the nature of the sample main ysis. The reporting limits we	trix, a reduced al	liquot was used for	0.10	1				
08273		602 NWTPH-Gx	ug/l	ug/l					
002/3	NWTPH-Gx water C7-C12	n.a.	1,000	50	1				
GC Extractable TPH ECY 97-602 NWTPH-Dx ug/1 ug/1									
w/8i Gel modified									
02211	DRO C12-C24 w/Si Gel	n.a.	880	30	1				
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	71	1				
				• •	+				



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Sample Description: MW-2 Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA

LLI Sample # WW 5925127 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 14:35

by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

Chevron

6001 Bollinger Canyon Road

San Ramon CA 94583

274T2

CAT No.

Analysis Name

CAS Number

As Received Result

As Received Method Detection Limit

Dilution Factor

Metals

ug/l

ug/l

06035 Lead

SW-846 6020 7439-92-1

9.5

0.050

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
					Date and Ti	Lme		Fector
10903	Solvent Cmpd List 8260 - Water	SW-846 8260B	1	W100731AA	03/14/2010	23:20	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W100731AA	03/14/2010	23:20	Nicholas P Riehl	
08357					,		·	1
		SW-846 8270C SIM	1	10071WAB026	03/23/2010	15:20	Timothy J Trees	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	10071WAB026	03/12/2010	14:45	Kelli M Barto	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-	- 1	10075A94A	,			-
		Gx		100/38348	03/17/2010	03:26	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10075A94A	03/17/2010	03:26	Marie D John	•
02211	NWTPH-Dx water w/Si Gel				**************************************			1
02211	WHITH-DY AGCEL AVOI GGI	ECY 97-602 NWTPH	- 1	100740012A	03/16/2010	13:31	Dustin A	1
		Dx modified					Underkoffler	
02135	Extraction - DRO Water	ECY 97-602 NWTPH-	- 1	100740012A	03/15/2010	16:15	JoElla L Rice	
	Special	Dx 06/97	_	1007400128	03/13/2010	10:12	DOBITA L RICE	1
06035	•							
	Lead	SW-846 6020	1	100756050001A	03/17/2010	10:07	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	100756050001	03/16/2010	19:00	Mirit S Shenouda	-
	· -		_		03/10/2010	13:00	milit a Shenouda	1



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Sample Description: MW-2 Filtered Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA LLI Sample # WW 5925128 LLI Group # 1185702

WA

Project Name: 352300

Collected: 03/08/2010 14:35

by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

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

Metals Dissolved

SW-846 6020

ug/l

ug/l

06035 Lead

7439-92-1

N.D.

0.050

1

General Sample Comments

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

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

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020	1	100756050001A	03/17/2010 10:08	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	100756050001	03/16/2010 19:00	Mirit S Shenouda	



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Sample Description: MW-4 Grab Water Sample

LLI Sample # WW 5925129 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 11:15 by ML

ML Account Number: 11260

Chevron

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59 6001 Bollinger Canyon Road

Discard: 04/25/2010 L4310

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Rsceived	As Received Method	Dilution
NO.		CAD RUMMET	Result	Detection Limit	Factor
	Volatiles SW-846	8260B	ug/l	ug/l	
10903	Acetone	67-64-1	N.D.	6	1
10903	Benzene	71-43-2	3	0.5	î
10903	Bromobenzene	108-86-1	N.D.	1	î
10903	Bromochloromethane	74-97-5	N.D.	ī	ī
10903	Bromodichloromethane	75-27-4	N.D.	ī	i
10903	Bromoform	75-25-2	N.D.	1	ī
10903	Bromomethane	74-83-9	N.D.	ī	i
10903	2-Butanone	78-93-3	N.D.	3	i
10903	n-Butylbenzene	104-51-8	2	1	i
10903	sec-Butylbenzene	135-98-8	10	1	ī
10903	tert-Butylbenzene	98-06-6	N.D.	ī	1
10903	Carbon Disulfide	75-15-0	N.D.	ī	ī
10903	Carbon Tetrachloride	56-23-5	N.D.	1	○ ī
10903	Chlorobenzene	108-90-7	N.D.	0.8	ī
10903	Chloroethane	75-00 - 3	N.D.	1	î
10903	Chloroform	67-66-3	N.D.	0.8	ī
10903	Chloromethane	74-87-3	N.D.	1	î
10903	2-Chlorotoluene	95-49-8	N.D.	1	1
10903	4-Chlorotoluene	106-43-4	N.D.	1	1
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10903	Dibromochloromethane	124-48-1	N.D.	ī	î
10903	1,2-Dibromoethane	106-93-4	N.D.	0.5	i
10903	Dibromomethane	74-95-3	N.D.	1	1
10903	1,2-Dichlorobenzene	95-50 - 1	N.D.	1	i
10903	1,3-Dichlorobenzene	541-73-1	N.D.	ī	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	î
10903	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10903	1,1-Dichloroethane	75-34-3	N.D.	ī	1
10903	1,2-Dichloroethane	107-06-2	N.D.	0.5	î
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	i
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	i
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	i
10903	1,3-Dichloropropane	142-28-9	N.D.	ī	i
10903	2,2-Dichloropropane	594-20-7	N.D.	ī	1
10903	1,1-Dichloropropene	563-58-6	N.D.	ī	î
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	ī	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	ī	1
10903	Ethylbenzene	100-41-4	14	0.5	i
10903	Hexachlorobutadiene	87-68-3	N.D.	2	1
10903	2-Hexanone	591-78-6	N.D.	3	1
10903	Isopropylbenzene	98-82-8	22	1	i
10903	p-Isopropyltoluene	99-87-6	5	1	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10903	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	Naphthalene	91-20-3	4	1	1
10903	n-Propylbenzene	103-65-1	24	1	1
				•	*



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Sample Description: MW-4 Grab Water Sample

LLI Sample # WW 5925129 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 11:15 by ML

ML Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

6001 Bollinger Canyon Road

L4310

Chevron

San Ramon CA 94583

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
10903	Styrene		100-42-5	N.D.	1	1
10903	1,1,1,2-Tetrachlo	roethane	630-20-6	N.D.	i	1
10903	1,1,2,2-Tetrachlo	roethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	<u> </u>	127-18-4	N.D.	0.8	1
10903	Toluene		108-88-3	N.D.	0.5	1
10903	1,2,3-Trichlorobe	nzene	87-61-6	N.D.	1	1
10903	1,2,4-Trichlorobe		120-82-1	N.D.	i	1
10903	1,1,1-Trichloroet		71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroet		79-00-5	N.D.	0.8	1
10903	Trichloroethene	•	79-01 - 6	N.D.	1	1
10903	Trichlorofluorome	thane	75-69-4	N.D.	2	1
10903	1,2,3-Trichloropr	opane	96-18-4	N.D.	1	1
10903	1,2,4-Trimethylbe		95-63-6	69	1	1
10903	1,3,5-Trimethylbe	nzene	108-67-8	10	1	1
10903	Vinyl Chloride		75-01-4	N.D.	1	1
10903	m+p-Xylene		179601-23-1	13	0.5	1
10903	o-Xylene		95-47-6	3	0.5	1
10903	Xylene (Total)		1330-20-7	16	0.5	1
GC/MS	Semivolatiles	SW-846	8270C SIM	ug/1	ug/l	
08357	Acenaphthene		83-32-9	0.13	0.0095	1
08357	Acenaphthylene		208-96-8	N.D.	0.025	i
08357	Anthracene		120-12-7	0.035	0.0095	1
08357	Benzo (a) anthracene	P	56-55-3	N.D.	0.0095	1
08357	Benzo (a) pyrene		50-32-8	N.D.	0.0095	1
08357	Benzo(b) fluoranthe	ene	205-99-2	N.D.	0.0095	i
08357	Benzo(g,h,i)peryle	ene	191-24-2	N.D.	0.0095	1
08357	Benzo(k) fluoranthe	ene	207-08-9	N.D.	0.0095	1
08357	Chrysene		218-01-9	N.D.	0.0095	1
08357	Dibenz (a, h) anthrac	cene	53-70-3	N.D.	0.0095	1
08357	Fluoranthene		206-44-0	0.015	0.0095	1
08357	Fluorene		86-73-7	0.23	0.0095	i
08357	Indeno (1, 2, 3-cd) py	rene/	193-39-5	N.D.	0.0095	i
08357	Naphthalene		91-20-3	4.5	0.0095	i
08357	Phenanthrene		85-01-8	0.079	0.0095	1
08357	Pyrene		129-00-0	0.012	0.0095	1
acena that	o the presence of phthylene, the reputhe interferent had of acenaphthylene.	orting limit	was raised. Thi	ation time of s was due to the fac ions at or near the		•
GC Vol	atiles	ECY 97-6	02 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-		n.a.	2,700	50	1
GC Ext:	ractable TPH	ECY 97-6	02 NWTPH-Dx	ug/l	ug/l	
02211	DRO C12-C24 w/Si G		n.a.	830	29	1



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Sample Description: MW-4 Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA

LLI Sample # WW 5925129 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 11:15

by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

Chevron

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

274T4

CAT No. Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
4 - *	ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
02211 HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
Metals 06035 Lead	SW-846 6020 7439-92-1	ug/1 53.0	ug/l 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#	Batcb#	Analysis Date and Ti	lma	Anelyst	Dilution
10903	Solvent Cmpd List 8260 - Water	SW-846 8260B	1	W100731AA	03/14/2010	-	Nicholas P Riehl	Pactor 1
01163	, nabet 11cp	SW-846 5030B	1	W100731AA	03/14/2010	23:43	Nicholas P Riehl	1
08357		SW-846 8270C SIM	1	10071WAB026	03/20/2010	14:04	Joseph M Gambler	1
10470	Maddi Bholaccion (BIM)	SW-846 3510C	1	10071WAB026	03/12/2010	14:45	Kelli M Barto	1
08273		ECY 97-602 NWTPH- Gx	- 1	10075A94A	03/17/2010	03:53	Marie D John	1
	GC VOA Water Prep	SW-846 5030B	1	10075A94A	03/17/2010	03:53	Marie D John	1
	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH- Dx modified	1	100740012A	03/16/2010	13:52	Dustin A Underkoffler	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH- Dx 06/97	1	100740012A	03/15/2010	16:15	JoElla L Rice	1
06035 06050	Lead ICP/MS SW-846 Water Digest	SW-846 6020	1	100756050001A	03/17/2010	10:10	Choon Y Tian	1
00000	Torymb ba-040 water Digest	SW-846 3020A	1	100756050001	03/16/2010	19:00	Mirit S Shenouda	1



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Sample Description: MW-4 Filtered Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA

LLI Sample # WW 5925130 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 11:15

by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

Chevron

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

CAT No.

Analysis Name

CAS Number

As Received Result

As Received Nethod

Detection Limit

Dilution Factor

Metals Dissolved

SW-846 6020

ug/1

ug/1

06035 Lead

7439-92-1

0.14

0.050

General Sample Comments

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

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

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035 06050	Lead ICP/MS SW-846 Water Digest	SW-846 6020 SW-846 3020A		100756050001A 100756050001	03/17/2010 10:11 03/16/2010 19:00	Choon Y Tian Mirit S Shenouda	1



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Page 1 of 3

Sample Description: MW-5 Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA LLI Sample # WW 5925131 LLI Group # 1185702

WA

Project Name: 352300

Discard: 04/25/2010

Collected: 03/08/2010 15:05 by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

6001 Bollinger Canyon Road

7.4310

Chevron

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
	Volatiles SW-846	8260B	ug/l	ug/l	
10903	Acetone	67-64-1	N.D.	6	1
10903	Benzene	71-43-2	N.D.	0.5	i
10903	Bromobenzene	108-86-1	N.D.	1	i
10903	Bromochloromethane	74-97-5	N.D.	1	i
10903	Bromodichloromethane	75-27-4	N.D.	1	i
10903	Bromoform	75-25-2	N.D.	1	i
10903	Bromomethane	74-83-9	N.D.	1	i
10903	2-Butanone	78-93-3	N.D.	3	1
10903	n-Butylbenzene	104-51-8	N.D.	1	1
10903	sec-Butylbenzene	135-98-8	N.D.	ī	i
10903	tert-Butylbenzene	98-06-6	N.D.	ī	i
10903	Carbon Disulfide	75-15-0	2	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	ī	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	2-Chlorotoluene	95-49-8	N.D.	ī	1
10903	4-Chlorotoluene	106-43-4	N.D.	ī	i
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10903	Dibromochloromethane	124-48-1	N.D.	ī	i
10903	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10903	Dibromomethane	74-95-3	N.D.	1	i
10903	1,2-Dichlorobenzene	95-50-1	N.D.	ī	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	i
10903	1,4-Dichlorobenzene	106-46-7	N.D.	ī	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10903	1,1-Dichloroethane	75-34-3	N.D.	i	1
10903	1,2-Dichloroethane	107-06-2	N.D.	0.5	i
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	i
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	i
10903	1,3-Dichloropropane	142-28-9	N.D.	ī	i
10903	2,2-Dichloropropane	594-20-7	N.D.	ī	1
10903	1,1-Dichloropropene	563-58-6	N.D.	ī	i
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	ī	ī
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.5	i
10903	Hexachlorobutadiene	87-68-3	N.D.	2	i
10903	2-Hexanone	591-78-6	N.D.	3	î
10903	Isopropylbenzene	98-82-8	N.D.	1	i
10903	p-Isopropyltoluene	99-87-6	N.D.	î	i
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10903	4-Methyl-2-pentanone	108-10-1	N.D.	3	i
10903	Methylene Chloride	75-09-2	N.D.	2	i
10903	Naphthalene	91-20-3	N.D.	1	i
10903	n-Propylbenzene	103-65-1	N.D.	1	1
				•	•



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Sample Description: MW-5 Grab Water Sample

LLI Sample # WW 5925131 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 15:05 by ML Account Number: 11260

Submitted: 03/11/2010 09:35 Chevron

Reported: 03/25/2010 at 10:59 6001 Bollinger Canyon Road

Discard: 04/25/2010 L4310

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Raceived Method Detection Limit	Dilution Factor
GC/MS	Volatiles SW-846	8260B	ug/1	ug/l	
10903	Styrene	100-42-5	N.D.	1	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	ī	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.5	1
10903	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10903	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	i
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	i
10903	1,2,3-Trichloropropane	96-18-4	N.D.	î	1
10903	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10903	1,3,5-Trimethylbenzene	108-67-8	N.D.	î	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	m+p-Xylene	179601-23-1	N.D.	0.5	1
10903	o-Xylene	95-47-6	N.D.	0.5	1
10903	Xylene (Total)	1330-20-7	N.D.	0.5	1
*		8270C SIM	ug/l	ug/1	
08357	Acenaphthene	83-32-9	N.D.	0.0095	1
08357	Acenaphthylene	208-96-8	N.D.	0.0095	1
08357	Anthracene	120-12-7	N.D.	0.0095	1
08357	Benzo(a) anthracene	56-55-3	N.D.	0.0095	1
08357	Benzo (a) pyrene	50-32-8	N.D.	0.0095	1
08357	Benzo(b) fluoranthene	205-99-2	N.D.	0.0095	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0095	1
08357	Benzo(k) fluoranthene	207-08-9	N.D.	0.0095	1
08357	Chrysene	218-01-9	N.D.	0.0095	1
08357	Dibenz (a, h) anthracene	53-70-3	N.D.	0.0095	1
08357	Fluoranthene	206-44-0	N.D.	0.0095	1
08357	Fluorene	86-73-7	N.D.	0.0095	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0095	1
08357	Naphthalene	91-20-3	0.025	0.0095	1
08357	Phenanthrene	85-01-8	N.D.	0.0095	1
08357	Pyrene	129-00-0	N.D.	0.0095	1
GC Vol	atiles ECY 97-	-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	71	50	1
GC Ext	ractable TPH ECY 97-	602 NWTPH-Dx	ug/l	ug/l	
w/Si G			-3/ -	ug/ I	
	DRO C12-C24 w/Si Gel	n.a.	450	200	
	HRO C24-C40 w/Si Gel	n.a.	450 N.D.	300	1
	o the nature of the sample ma			700	1
for a	nalysis. The reporting limit	s were raised acco	rdingly.		



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Sample Description: MW-5 Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA

LLI Sample # WW 5925131 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 15:05 by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

6001 Bollinger Canyon Road

Discard: 04/25/2010

L4310

Chevron

San Ramon CA 94583

274T5

CAT Analysis Name

As Received CAS Number Result

As Received Method Detection Limit

Dilution Factor

Metals 06035 Lead

SW-846 6020

ug/l

7439-92-1

194

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
10903	Solvent Cmpd List 8260 - Water	SW-846 8260B	1	W100731AA	03/14/2010		Nicholas P Riehl	Factor 1
01163 08357	.,	SW-846 5030B	1		03/14/2010	22:34	Nicholas P Riehl	1
10470	BNA Water Extraction (SIM)	SW-846 8270C SIM SW-846 3510C	1			15:50 14:45	Timothy J Trees Kelli M Barto	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH- Gx	- 1	10075A94A		23:02	Marie D John	ī
	GC VOA Water Prep	SW-846 5030B	_	10075A94A	03/16/2010	23:02	Marie D John	1
	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH- Dx modified	. 1	100740012A	03/17/2010	19:37	Glorines Suarez- Rivera	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH- Dx 06/97	. 1	100740012A	03/15/2010	16:15	JoBlia L Rice	1
06035	Lead	SW-846 6020	1	100756050002A	03/17/2010	11:05	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	100756050002	03/16/2010	19:00	Mirit S Shenouda	1



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Sample Description: MW-5 Filtered Grab Water Sample

Job# 385853 Facility# 352300 State Route 274 - Tekoa, WA

LLI Group # 1185702

LLI Sample # WW 5925132

Project Name: 352300

Collected: 03/08/2010 15:05

by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

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**

Metals Dissolved

SW-846 6020

ug/l 0.074

ug/l

06035 Lead

7439-92-1

0.050

General Sample Comments

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

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

CAT No.	Analysis Name	Kethod	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution
06035 06050		SW-846 6020 SW-846 3020A	1	100756050002A 100756050002	03/17/2010 11:09 03/16/2010 19:00	Choon Y Tian Mirit S Shenouda	Factor 1 1



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Sample Description: MW-6 Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA

LLI Sample # WW 5925133 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 13:20 by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Chevron Reported: 03/25/2010 at 10:59

6001 Bollinger Canyon Road Discard: 04/25/2010 L4310

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles SW-8	46 8260B	ug/l	ug/l	
10903	Acetone	67-64-1	N.D.	6	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromobenzene	108-86-1	N.D.	1	1
10903	Bromochloromethane	74-97-5	N.D.	ī	1
10903	Bromodichloromethane	75-27-4	N.D.	ī	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	2-Butanone	78-93-3	N.D.	3	1
10903	n-Butylbenzene	104-51-8	N.D.	1	1
10903	sec-Butylbenzene	135-98-8	N.D.	_ 1	î
10903	tert-Butylbenzene	98-06-6	N.D.	1	ī
10903	Carbon Disulfide	75-15-0	1	<u></u>	ī
10903	Carbon Tetrachloride	56-23-5	N.D.	ī	ī
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	ī
10903	Chloroform	67-66-3	N.D.	0.8	ī
10903	Chloromethane	74-87-3	N.D.	1	1
10903	2-Chlorotoluene	95-49-8	N.D.	ī	i
10903	4-Chlorotoluene	106-43-4	N.D.	1	1
10903	1,2-Dibromo-3-chloropropa	ne 96-12-8	N.D.	2	ī
10903	Dibromochloromethane	124-48-1	N.D.	ī	ī
10903	1,2-Dibromoethane	106-93-4	N.D.	0.5	ī
10903	Dibromomethane	74-95-3	N.D.	1	ī
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	ī
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	ī
10903	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ī
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	1,3-Dichloropropane	142-28-9	N.D.	1	1
10903	2,2-Dichloropropane	594-20-7	N.D.	1	1
10903	1,1-Dichloropropene	563-58-6	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.5	1
10903	Hexachlorobutadiene	87-68-3	N.D.	2	1
10903	2-Hexanone	591-78-6	N.D.	3	1
10903	Isopropylbenzene	98-82-8	N.D.	1	1
10903	p-Isopropyltoluene	99-87-6	N.D.	1	1
10903	Methyl Tertiary Butyl Ethe		N.D.	0.5	1
10903	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10903 10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	Naphthalene	91-20-3	N.D.	1	1
10903	n-Propylbenzene	103-65-1	N.D.	1	1



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Sample Description: MW-6 Grab Water Sample

LLI Sample # WW 5925133 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 13:20 by ML Account Number: 11260

Submitted: 03/11/2010 09:35 Chevron

Reported: 03/25/2010 at 10:59 6001 Bollinger Canyon Road

Discard: 04/25/2010 L4310

San Ramon CA 94583

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles S	W-846 8	260B	ug/l	ug/l	
10903	Styrene		100-42-5	N.D.	1	1
10903	1,1,1,2-Tetrachloroet	hane	630-20-6	N.D.	1	1
10903	1,1,2,2-Tetrachloroet	hane	79-34-5	N.D.	i	1
10903	Tetrachloroethene		127-18-4	N.D.	0.8	i
10903	Toluene		108-88-3	N.D.	0.5	1
10903	1,2,3-Trichlorobenzen	e	87-61-6	N.D.	1	î
10903	1,2,4-Trichlorobenzen	e	120-82-1	N.D.	ī	î
10903	1,1,1-Trichloroethane		71-55-6	N.D.	0.8	i
10903	1,1,2-Trichloroethane		79-00-5	N.D.	0.8	î
10903	Trichloroethene		79-01-6	N.D.	1	ī
10903	Trichlorofluoromethan		75-69-4	N.D.	2	1
10903	1,2,3-Trichloropropan		96-18-4	N.D.	ī	ī
10903	1,2,4-Trimethylbenzen	e	95-63-6	N.D.	ī	i
10903	1,3,5-Trimethylbenzen	e	108-67-8	N.D.	ī	1
10903	Vinyl Chloride		75-01-4	N.D.	ī	î
10903	m+p-Xylene		179601-23-1	N.D.	0.5	1
10903	o-Xylene		95-47-6	N.D.	0.5	1
10903	Xylene (Total)		1330-20-7	N.D.	0.5	î
GC/MS	Semivolatiles S	W-846 82	70C SIM	ug/l	ug/1	
08357	Acenaphthene		83-32-9	N.D.	0.10	1
08357	Acenaphthylene		208-96-8	N.D.	0.10	1
08357	Anthracene		120-12-7	N.D.	0.10	î
08357	Benzo(a) anthracene		56-55-3	N.D.	0.10	ī
08357	Benzo(a) pyrene		50-32-8	N.D.	0.10	1
08357	Benzo(b) fluoranthene		205-99-2	N.D.	0.10	1
08357	Benzo(g,h,i)perylene		191-24-2	N.D.	0.10	i
08357	Benzo(k) fluoranthene		207-08-9	N.D.	0.10	î
08357	Chrysene		218-01-9	N.D.	0.10	i
08357	Dibenz(a,h)anthracene		53-70-3	N.D.	0.10	i
08357	Pluoranthene		206-44-0	N.D.	0.10	i
08357	Fluorene		86-73-7	N.D.	0.10	î
08357	Indeno(1,2,3-cd)pyrene	:	193-39-5	N.D.	0.10	1
08357	Naphthalene		91-20-3	0.25	0.10	î
08357	Phenanthrene		85-01-8	N.D.	0.10	î
08357	Pyrene		129-00-0	N.D.	0.10	1
Due t analy	o the nature of the sales of the sales. The reporting lie	mple matri mits were	x, a reduced al raised according	liquot was used for		•
	_		2 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12		n.a.	N.D.	50	1
GC Ext	ractable TPH K	Y 97-60	2 NWTPH-Dx	ug/l	ug/l	
w/Si G		dified		- -	-8/ -	
02211	DRO C12-C24 w/Si Gel		n.a.	58	30	1
02211	HRO C24-C40 w/Si Gel		n.a.	N.D.	69	î
				-		



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Sample Description: MW-6 Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA

LLI Sample # WW 5925133 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 13:20

by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

Chevron

6001 Bollinger Canyon Road

San Ramon CA 94583

274T6

CAT No.

Analysis Name

CAS Number

As Received Result

As Received Method Detection Limit

Dilution Factor

Metals

SW-846 6020

ug/l

ug/l

06035 Lead

7439-92-1

39.3

0.050

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
10903	Solvent Cmpd List 8260 - Water	SW-846 8260B	1	W100731AA		22:57	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W100731AA	03/14/2010	22:57	Nicholas P Riehl	•
08357	PAHs in waters by SIM	SW-846 8270C SIM	_		03/23/2010	16:22	Timothy J Trees	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	10071WAB026		14:45	Kelli M Barto	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH	- ī		03/12/2010	04:20	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10075A94A	03/17/2010	04:20	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH Dx modified	- 1			14:33	Dustin A Underkoffler	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH- Dx 06/97	- 1	100740012A	03/15/2010	16:15	JoElla L Rice	1
06035	Lead	SW-846 6020	1	100756050002A	03/17/2010	11:10	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	100756050002		19:00	Mirit S Shenouda	i



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Sample Description: MW-6 Filtered Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA

LLI Sample # WW 5925134 LLI Group # 1185702

WA

Project Name: 352300

Collected: 03/08/2010 13:20

by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

Chevron

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

CAT Analysis Name No.

CAS Number

7439-92-1

As Received Result

As Received Method

Detection Limit

Dilution Factor

Metals Dissolved

ug/l N.D.

0.050

06035 Lead

General Sample Comments

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

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

SW-846 6020

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
06035		SW-846 6020 SW-846 3020A	1	100756050002A 100756050002	Date and Time 03/17/2010 11:11 03/16/2010 19:00	Choon Y Tian Mirit S Shenouda	Factor 1 1



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Sample Description: MW-7 Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA

LLI Sample # WW 5925135 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 10:00 by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Chevron Reported: 03/25/2010 at 10:59 6001 Bollinger Canyon Road

Discard: 04/25/2010 L4310

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles SW-846	8260B	ug/l	ug/l	
10903	Acetone	67-64-1	N.D.	6	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromobenzene	108-86-1	N.D.	1	1
10903	Bromochloromethane	74-97-5	N.D.	1	î
10903	Bromodichloromethane	75-27-4	N.D.	<u></u>	ī
10903	Bromoform	75-25-2	N.D.	ī	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	2-Butanon e	78-93-3	N.D.	3	1
10903	n-Butylbenzene	104-51-8	N.D.	1	1
10903	sec-Butylbenzene	135-98-8	N.D.	1	1
10903	tert-Butylbenzene	98-06-6	N.D.	ī	î
10903	Carbon Disulfide	75-15-0	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	ī
10903	Chlorobenzene	108-90-7	N.D.	0.8	ī
10903	Chloroethane	75-00-3	N.D.	1	ī
10903	Chloroform	67-66-3	N.D.	0.8	ī
10903	Chloromethane	74-87-3	N.D.	1	1
10903	2-Chlorotoluene	95-49-8	N.D.	1	1
10903	4-Chlorotoluene	106-43-4	N.D.	1	î
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10903	Dibromochloromethane	124-48-1	N.D.	1	î
10903	1,2-Dibromoethane	106-93-4	N.D.	0.5	ī
10903	Dibromomethane	74-95-3	N.D.	1	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	ī
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	ī
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	ī
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ī
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ī
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	1,3-Dichloropropane	142-28-9	N.D.	1	1
10903	2,2-Dichloropropane	594-20-7	N.D.	1	1
10903	1,1-Dichloropropene	563-58-6	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.5	1
10903	Hexachlorobutadiene	87-68-3	N.D.	2	1
10903	2-Hexanone	591-78-6	N.D.	3	1
10903	Isopropylbenzene	98-82-8	N.D.	1	ī
10903	p-Isopropyltoluene	99-87-6	N.D.	1	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ī
10903	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10903	Methylene Chloride	75-09-2	N.D.	2	ī
10903	Naphthalene	91-20-3	N.D.	1	ī
10903	n-Propylbenzene	103-65-1	N.D.	1	ī
					-



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Sample Description: MW-7 Grab Water Sample

LLI Sample # WW 5925135 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 10:00 by ML Account Number: 11260

Submitted: 03/11/2010 09:35 Chevron

Reported: 03/25/2010 at 10:59 6001 Bollinger Canyon Road

Discard: 04/25/2010 L4310

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Nethod Detection Limit	Dilution Factor
GC/MS	Volatiles SW-846	8260B	ug/1	ug/l	
10903	Styrene	100-42-5	N.D.	1	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	î
10903	Toluene	108-88-3	N.D.	0.5	i
10903	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	i
10903	1,2,4-Trichlorobenzene	120-82-1	N.D.	ī	î
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	i
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	ī	1
10903	1,2,4-Trimethylbenzene	95-63-6	N.D.	ī	1
10903	1,3,5-Trimethylbenzene	108~67-8	N.D.	ī	i
10903	Vinyl Chloride	75-01-4	N.D.	i	1
10903	m+p-Xylene	179601-23-1	N.D.	0.5	1
10903	o-Xylene	95-47-6	N.D.	0.5	
10903	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC/MS	Semivolatiles SW-846	8270C SIM	ug/1	ug/1	
08357	Acenaphthene		_	<u> </u>	
08357	Acenaphthylene	83-32-9	N.D.	0.0095	1
08357	Anthracene	208-96-8 120-12-7	N.D.	0.0095	1
08357	Benzo (a) anthracene	- .	0.015	0.0095	1
08357	Benzo (a) pyrene	56-55-3	N.D.	0.0095	1
08357	Benzo(b) fluoranthene	50-32-8	N.D.	0.0095	1
08357		205-99-2	N.D.	0.0095	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0095	1
08357	Benzo (k) fluoranthene	207-08-9	N.D.	0.0095	1
08357	Chrysene	218-01-9	N.D.	0.0095	1
08357	Dibenz(a,h)anthracene Fluoranthene	53-70-3	N.D.	0.0095	1
08357	Fluoranthene	206-44-0	N.D.	0.0095	1
08357		86-73-7	N.D.	0.0095	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0095	1
	Naphthalene	91-20-3	0.042	0.0095	1
08357	Phenanthrene	85-01-8	N.D.	0.0095	1
08357	Pyrene	129-00-0	N.D.	0.0095	1
		602 NWTPH-Gx	ug/1	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Ext	ractable TPH ECY 97-	602 NWTPH-Dx	u g/1	ug/l	
w/Si G	el modifie	d	-		
02211	DRO C12-C24 w/Si Gel	n.a.	56	30	1
	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1
Metals	SW-846	6020	ug/l	ug/l	
06035		7439-92-1		- -	6.27
20000		/433-32-1	18.1	0.050	1



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Sample Description: MW-7 Grab Water Sample

LLI Sample # WW 5925135 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 10:00

by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

Chevron

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

274T7

CAT No.

Analysis Name

CAS Number

As Received Result As Received Method Detection Limit

Dilution Factor

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	Sample	Analysis	Record
Tria	l# Batch		Analysis

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti		Analyst	Dilution
10903	Solvent Cmpd List 8260 - Water	SW-846 8260B	1	W100741AA	03/15/2010		Emily R Styer	Factor 1
01163	,-	SW-846 5030B	1	W100741AA	03/15/2010	20:41	Emily R Styer	1
01163 08357		SW-846 5030B	2	W100741AA	03/15/2010	20:41	Emily R Styer	1
10470	PAHs in waters by SIM BNA Water Extraction (SIM)	SW-846 8270C SIM SW-846 3510C	1	10071WAB026	03/23/2010	16:52	Timothy J Trees	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH	_ 1	10071WAB026 10075A94A	03/12/2010	14:45	Kelli M Barto	1
		Gx	•	100/3A94A	03/17/2010	04:46	Marie D John	1
		SW-846 5030B	1	10075A94A	03/17/2010	04:46	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH	- 1	100740012A	03/16/2010	14:53	Dustin A	ī
02135	Extraction - DRO Water	Dx modified	_				Underkoffler	
02255	Special	ECY 97-602 NWTPH- Dx 06/97	- 1	100740012A	03/15/2010	16:15	JoElla L Rice	1
06035	Lead	SW-846 6020	1	100756050002A	03/17/2010	11:12	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	100756050002	03/16/2010	19:00	Mirit S Shenouda	ī



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Sample Description: MW-7 Filtered Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA

LLI Group # 1185702

LLI Sample # WW 5925136

Project Name: 352300

Collected: 03/08/2010 10:00

by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

Chevron

6001 Bollinger Canyon Road

San Ramon CA 94583

CAT No.

Analysis Name

CAS Number

As Received Result

As Received Method Detection Limit

Dilution Factor

Metals Dissolved

06035 Lead

ug/l

ug/1

SW-846 6020 7439-92-1

0.059

0.050

General Sample Comments

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

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

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution
06035 06050	Lead ICP/MS SW-846 Water Digest	SW-846 6020 SW-846 3020A	1 1		03/17/2010 11:13 03/16/2010 19:00		Factor 1 1



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Sample Description: DUP Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA

LLI Sample # WW 5925137 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010 by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

Chevron

6001 Bollinger Canyon Road

San Ramon CA 94583

274FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles SW-846	8260B	ug/1	ug/1	
10903	Acetone	67-64-1	N.D.	6	
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromobenzene	108-86-1	N.D.	1	1
10903	Bromochloromethane	74-97-5	N.D.	1	
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	_
10903	Bromomethane	74-83-9	N.D.	i	1
10903	2-Butanone	78-93-3	N.D.	3	1
10903	n-Butylbenzene	104-51-8	N.D.	1	1
10903	sec-Butylbenzene	135-98-8	N.D.	i	1
10903	tert-Butylbenzene	98-06-6	N.D.	ī	1
10903	Carbon Disulfide	75-15-0	N.D.	ī	1
10903	Carbon Tetrachloride	56-23-5	N.D.	ī	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	2-Chlorotoluene	95-49-8	N.D.	i	1
10903	4-Chlorotoluene	106-43-4	N.D.	i	1
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10903	Dibromochloromethane	124-48-1	N.D.	î	1
10903	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10903	Dibromomethane	74-95-3	N.D.	1	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	ī	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	î
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	i
10903	1,2-Dichloropropane	78-87-5	N.D.	1	i
10903	1,3-Dichloropropane	142-28-9	N.D.	1	1
10903	2,2-Dichloropropane	594-20-7	N.D.	1	i
10903	1,1-Dichloropropene	563-58 - 6	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	î
10903	Ethylbenzene	100-41-4	N.D.	0.5	1
10903	Hexachlorobutadiene	87-68-3	N.D.	2	1
10903	2-Hexanone	591-78-6	N.D.	3	i
10903	Isopropylbenzene	98-82-8	N.D.	1	1
10903	p-Isopropyltoluene	99-87-6	N.D.	ī	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	î
10903	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	Naphthalene	91-20-3	N.D.	1	1
10903	n-Propylbenzene	103-65-1	N.D.	1	1
				•	*



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Sample Description: DUP Grab Water Sample

LLI Sample # WW 5925137 LLI Group # 1185702

WA

Project Name: 352300

Collected: 03/08/2010 by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

Chevron

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

274FD

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
10903	Styrene		100-42-5	N.D.	1	1
10903	1,1,1,2-Tetrachlor	oethane	630-20-6	N.D.	1	1
10903	1,1,2,2-Tetrachlor	oethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene		127-18-4	N.D.	0.8	î
10903	Toluene		108-88-3	N.D.	0.5	ī
10903	1,2,3-Trichloroben	zene	87-61-6	N.D.	1	ı
10903	1,2,4-Trichloroben		120-82-1	N.D.	1	î
10903	1,1,1-Trichloroeth		71-55-6	N.D.	0.B	ī
10903	1,1,2-Trichloroeth	ane	79-00-5	N.D.	0.8	1
10903	Trichloroethene		79-01-6	N.D.	1	î
10903	Trichlorofluoromet		75-69-4	N.D.	2	ī
10903	1,2,3-Trichloropro		96-18-4	N.D.	1	ī
10903	1,2,4-Trimethylben		95-63-6	N.D.	1	ī
10903	1,3,5-Trimethylben	zene	108-67-8	N.D.	1	1
10903	Vinyl Chloride		75-01-4	N.D.	1	1
10903	m+p-Xylene		179601-23-1	N.D.	0.5	i
10903	o-Xylene		95-47-6	N.D.	0.5	1
10903	Xylene (Total)		1330-20-7	N.D.	0.5	1
GC/MS	Semivolatiles	SW-846	8270C SIM	ug/l	ug/l	
08357	Acenaphthene		83-32-9	N.D.	0.0095	1
08357	Acenaphthylene		208-96-8	N.D.	0.0095	ı
08357	Anthracene		120-12-7	0.015	0.0095	1
08357	Benzo(a) anthracene		56-55-3	N.D.	0.0095	1
08357	Benzo (a) pyrene		50-32-8	N.D.	0.0095	1
08357	Benzo(b) fluoranther		205-99-2	N.D.	0.0095	1
08357	Benzo(g,h,i)perylen		191-24-2	N.D.	0.0095	1
08357	Benzo(k) fluoranther	le	207-08-9	N.D.	0.0095	1
08357	Chrysene		218-01-9	N.D.	0.0095	1
08357 08357	Dibenz (a, h) anthrace	ne	53-70-3	N.D.	0.0095	1
08357	Fluoranthene		206-44-0	N.D.	0.0095	1
08357	Fluorene		86-73-7	N.D.	0.0095	1
08357	Indeno(1,2,3-cd)pyr	ene	193-39-5	N.D.	0.0095	1
08357	Naphthalene Phenanthrene		91-20-3	0.063	0.0095	1
08357			85-01-8	N.D.	0.0095	1
00357	Pyrene		129-00-0	N.D.	0.0095	1
GC Vol			02 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C	12	n.a.	N.D.	50	1
	ractable TPH		02 NWTPH-Dx	ug/l	ug/l	
w/Si G		modified				
	DRO C12-C24 w/si Ge	1	n.a.	110	29	1
02211	HRO C24-C40 w/si Ge	1	n.a.	110	68	1
Metals		SW-846 6	02 0	ug/l	ug/l	
06035	Lead		7439-92-1	21.9	0.050	1



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Sample Description: DUP Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA

LLI Sample # WW 5925137 LLI Group # 1185702

Project Name: 352300

Collected: 03/08/2010

by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

Chevron

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

274FD

No.

Analysis Name

CAS Number

As Received Result

As Received Mathod Detection Limit

Dilution. **Factor**

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 Fector			
10903	Solvent Cmpd List 8260 - Water	SW-846 8260B	1	W100741AA	03/15/2010	21:04	Emily R Styer	1			
01163		SW-846 5030B	1	W100741AA	03/15/2010	21:04	Emily R Styer				
	PAHs in waters by SIM	SW-846 8270C SIM	1	10071WAB026		17:22	Timothy J Trees	1			
10470	The state of the s	SW-846 3510C	1	10071WAB026		14:45	Kelli M Barto	1			
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH	- 1	10075A94A	03/17/2010	05:13	Marie D John	1			
	GC VOA Water Prep	SW-846 5030B	1	10075A94A	03/17/2010	05:13	Marie D John	1			
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH- Dx modified	- 1	100740012A		15:14	Dustin A Underkoffler	i			
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH- Dx 06/97	1	100740012A	03/15/2010	16:15	JoElla L Rice	1			
06035	Lead	SW-846 6020	1	100756050002A	03/17/2010	11:14	Choon Y Tian	7			
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	100756050002	03/16/2010	19:00	Mirit S Shenouda	ī			



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Sample Description: DUP Filtered Grab Water Sample

Facility# 352300 Job# 385853 State Route 274 - Tekoa, WA

LLI Group # 1185702

LLI Sample # WW 5925138

Project Name: 352300

Collected: 03/08/2010 by ML

Account Number: 11260

Submitted: 03/11/2010 09:35

Reported: 03/25/2010 at 10:59

Discard: 04/25/2010

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 Fector

Metals Dissolved

SW-846 6020

ug/l

ug/l

06035 Lead

7439-92-1 N.D. 0.050

General Sample Comments

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

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

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035 06050	Lead ICP/MS SW-846 Water Digest	SW-846 6020 SW-846 3020A	1 1		03/17/2010 11:16 03/16/2010 19:00	Choon Y Tian Mirit S Shenouda	1



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Quality Control Summary

Client Name: Chevron

Reported: 03/25/10 at 10:59 AM

Group Number: 1185702

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 MDL	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: W100731AA	Sample nur	mber(s): 59	25125 5929	127 59251	179 507517	1 6076177		
Acetone	N.D.	6.	ug/1	111	.27,472313	49-234		
Benzene	N.D.	0.5	ug/l	103		79-120		
Bromobenzene	N.D.	1.	ug/l	101		80-120		
Bromochloromethane	N.D.	ī.	ug/l	103		80-120		
Bromodichloromethane	N.D.	ī.	ug/l	101		80-120		
Bromoform	N.D.	î.	ug/1	91		61-120		
Bromomethane	N.D.	1.	ug/l	83		44-120		
2-Butanone	N.D.	3.	ug/l	98		66-151		
n-Butylbenzene	N.D.	1.	ug/l	93		74-120		
sec-Butylbenzene	N.D.	1.	ug/l	96		78-120		
tert-Butylbenzene	N.D.	î.	ug/1	100		80-120		
Carbon Disulfide	N.D.	ī.	ug/l	102				
Carbon Tetrachloride	N.D.	ī.	ug/l	104		62-120 75-123		
Chlorobenzene	N.D.	0.8	ug/1	104		80-120		
Chloroethane	N.D.	1.	ug/l	83		49-129		
Chloroform	N.D.	0.8	ug/l	102				
Chloromethane	N.D.	1.	ug/l	75		77-122		
2-Chlorotoluene	N.D.	î.	ug/l	99		60-129		
4-Chlorotoluene	N.D.	1.	ug/1	96		80-120		
1,2-Dibromo-3-chloropropane	N.D.	2,	ug/1	84		80-120 66-120		
Dibromochloromethane	N.D.	ī.	ug/1	98		80-120		
1,2-Dibromoethane	N.D.	0.5	ug/l	95				
Dibromomethane	N.D.	1.	ug/1	104		80-120		
1,2-Dichlorobenzene	N.D.	i.	ug/1	102		80-120		
1,3-Dichlorobenzene	N.D.	1.	ug/1	102		80-120		
1,4-Dichlorobenzene	N.D.	ī.	ug/l	99		80-120		
Dichlorodifluoromethane	N.D.	2.	ug/l	64		80-120		
1,1-Dichloroethane	N.D.	1.	ug/l	107		54-152		
1,2-Dichloroethane	N.D.	0.5	ug/l	99		79-120		
1,1-Dichloroethene	N.D.	0.8	ug/l	111		70-130 74-123		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	109		80-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	112		80-120		
1,2-Dichloropropane	N.D.	1.	ug/l	106		78-120		
1,3-Dichloropropane	N.D.	1.	ug/l	98		80-120		
2,2-Dichloropropane	N.D.	1.	ug/l	108		77-124		
1,1-Dichloropropene	N.D.	1.	ug/l	106		80-120		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	100				
trans-1,3-Dichloropropene	N.D.	ī.	ug/1	98		80-120		
Ethylbenzene	N.D.	0.5	ug/l	102		79-120		
Hexachlorobutadiene	N.D.	2.	ug/l	93		79-120		
2-Hexanone	N.D.	3.	ug/1 ug/1	83		58-120		
Isopropylbenzene	N.D.	1.	ug/1 ug/1	103		65-136		
p-Isopropyltoluene	N.D.	1.	ug/1 ug/1	98		77-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/1	102		80-120		
4-Methyl-2-pentanone	N.D.	3.	ug/1 ug/1	90		76-120		
Methylene Chloride	N.D.	2.	ug/1 ug/1	110		70-121		
•	-11 m	-	~9/ ±	110		80-120		

- (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: 1185702

Reported: 03/25/10 at 10:59 AM

Laboratory Compliance Quality Control

					_			
Benjamin Mana	Blank	Blank	Report	LCS	LCSD	LCS/LCSD		
Analysis Name	Result	MDL	Units	*REC	*REC	<u>Limits</u>	RPD	RPD Max
Naphthalene	N.D.	1.	ug/l	98		62-120		
n-Propylbenzene Styrene	N.D.	1.	ug/l	98		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.	ug/l	102		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	100		80-120		
Tetrachloroethene	N.D.	1.	ug/1	93		71-120		
Toluene	N.D.	0.8	ug/l	103		80-121		
1,2,3-Trichlorobenzene	N.D.	0.5	ug/l	104		79-120		
1,2,4-Trichlorobenzene	N.D.	1.	ug/l	94		65-120		
1,1,1-Trichloroethane	N.D.	1.	ug/l	100		67-120		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	107		75-127		
Trichloroethene	N.D. N.D.	0.8	ug/l	99		80-120		
Trichlorofluoromethane	N.D.	1.	ug/l	109		80-120		
1,2,3-Trichloropropane		2.	ug/l	86		64-129		
1,2,4-Trimethylbenzene	N.D. N.D.	1.	ug/l	91		80-120		
1,3,5-Trimethylbenzene			ug/l	100		74-120		
Vinyl Chloride	N.D. N.D.	1.	ug/l	96		75-120		
m+p-Xylene	N.D.	1.	ug/l	82		59-120		
o-Xylene	N.D.	0.5	ug/1	102		80-120		
Xylene (Total)	N.D.	0.5	ug/l	100		80-120		
ayrene (local)	N.D.	0.5	ug/l	101		80-120		
Batch number: W100741AA	Sample nu	mber(s): 592	25125 5025	127				
Acetone	N.D.	6.	ug/l	112		40.034		
Benzene	N.D.	0.5	ug/l	106		49-234		
Bromobenzene	N.D.	1.	ug/1	104		79-120		
Bromochloromethane	N.D.	i.	ug/l	108		80-120 80-120		
Bromodichloromethane	N.D.	ī.	ug/l	101				
Bromoform	N.D.	ī.	ug/l	97		80-120 61-120		
Bromomethane	N.D.	1.	ug/l	92		44-120		
2-Butanone	N.D.	3.	ug/l	102		66-151		
n-Butylbenzene	N.D.	1.	ug/l	95		74-120		
sec-Butylbenzene	N.D.	1.	ug/l	98		78-120		
tert-Butylbenzene	N.D.	1.	ug/l	99		80-120		
Carbon Disulfide	N.D.	1.	ug/l	108		62-120		
Carbon Tetrachloride	N.D.	1.	ug/l	108		75-123		
Chlorobenzene	N.D.	0.8	ug/l	109		80-120		
Chloroethane	N.D.	1.	ug/l	91		49-129		
Chloroform	N.D.	0.8	ug/l	103		77-122		
Chloromethane	N.D.	1.	uq/1	82		60-129		
2-Chlorotoluene	N.D.	1.	ug/l	102		80-120		
4-Chlorotoluene	N.D.	1.	ug/l	100		80-120		
1,2-Dibromo-3-chloropropane	N.D.	2.	ug/l	86		66-120		
Dibromochloromethane	N.D.	1.	ug/l	101		80-120		
1,2-Dibromoethane	N.D.	0.5	ug/1	99		80-120		
Dibromomethane	N.D.	1.	ug/l	105		80-120		
1,2-Dichlorobenzene	N.D.	1.	ug/l	103		80-120		
1,3-Dichlorobenzene	N.D.	1.	ug/l	104		80-120		
1,4-Dichlorobenzene	N.D.	1.	ug/l	103		80-120		
Dichlorodifluoromethane	N.D.	2.	ug/l	79		54-152		
1,1-Dichloroethane	N.D.	1.	ug/1	108		79-120		
1,2-Dichloroethane	N.D.	0.5	ug/l	100		70-130		
1,1-Dichloroethene	N.D.	0.8	ug/l	114		74-123		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	113		80-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	118		80-120		
1,2-Dichloropropane	N.D.	1.	ug/l	110		78-120		

- *- 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: 1185702

Reported: 03/25/10 at 10:59 AM

Laboratory Compliance Quality Control

	Blank	Blank	Report	LCS	LCSD	LCS/LCSD		
Analysis Name	Result	MDL	Units	%REC	%REC	Limits	RPD	RPD Max
1,3-Dichloropropane	N.D.	1.	ug/l	100	5.00	80-120		
2,2-Dichloropropane	N.D.	1.	ug/l	110		77-124		
1,1-Dichloropropene	N.D.	1.	ug/l	110		80-120		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	101		80-120		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	101		79-120		
Ethylbenzene	N.D.	0.5	ug/l	106		79-120		
Hexachlorobutadiene	N.D.	2.	ug/l	96		58-120		
2-Hexanone	N.D.	3.	ug/l	86		65-136		
Isopropylbenzene	N.D.	1.	ug/l	107		77-120		
p-Isopropyltoluene	N.D.	1.	ug/l	101		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	105		76-120		
4-Methyl-2-pentanone	N.D.	3.	ug/l	91		70-121		
Methylene Chloride	N.D.	2.	ug/l	114		80-120		
Naphthalene	N.D.	1.	ug/l	98		62-120		
n-Propylbenzene	N.D.	1.	ug/l	102		80-120		
Styrene	N.D.	1.	ug/l	105		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.	ug/l	100		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	95		71-120		
Tetrachloroethene	N.D.	0.8	ug/l	109		80-121		
Toluene	N.D.	0.5	ug/1	109		79-120		
1,2,3-Trichlorobenzene	N.D.	1.	ug/l	95		65-120		
1,2,4-Trichlorobenzene	N.D.	1.	ug/l	102		67-120		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	110		75-127		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	104		80-120		
Trichloroethene	N.D.	1.	ug/l	110		80-120		
Trichlorofluoromethane	N.D.	2.	ug/l	99		64-129		
1,2,3-Trichloropropane	N.D.	1.	ug/l	94		80-120		
1,2,4-Trimethylbenzene	N.D.	1.	ug/l	103		74-120		
1,3,5-Trimethylbenzene	N.D.	1.	ug/l	100		75-120		
Vinyl Chloride	N.D.	1.	ug/l	91		59-120		
m+p-Xylene	N.D.	0.5	ug/l	107		80-120		
o-Xylene	N.D.	0.5	ug/l	109		80-120		
Xylene (Total)	N.D.	0.5	ug/l	107		80-120		
Datab sumbass grangers								
Batch number: Z100763AA Benzene	Sample nu	mber(s): 59						
Ethylbenzene	N.D.	0.5	ug/l	98	99	79-120	2	30
Toluene	N.D.	0.5	ug/l	98	101	79-120	3	30
Xylene (Total)	N.D.	0.5	ug/l	100	103	79-120	3	30
Aylene (local)	N.D.	0.5	ug/l	99	102	80-120	3	30
Batch number: 10071WAB026	Sample nu	mher(e) · 59	25125 5025	127 50251	20 5025121	1,5925133,59	25125 50	07108
Acenaphthene	N.D.	0.010	ug/1	94	.29,3923131	74-109	45135,55	125137
Acenaphthylene	N.D.	0.010	ug/l	100		70-110		
Anthracene	N.D.	0.010	ug/l	98		66-111		
Benzo(a)anthracene	N.D.	0.010	ug/l	99		72-114		
Benzo (a) pyrene	N.D.	0.010	ug/l	98				
Benzo(b)fluoranthene	N.D.	0.010	ug/l	98		64-115		
Benzo(g,h,i)perylene	N.D.	0.010	ug/l	92		69-123		
Benzo(k)fluoranthene	N.D.	0.010	ug/l	100		68-125		
Chrysene	N.D.	0.010	ug/l	98		72-122 76-116		
Dibenz (a, h) anthracene	N.D.	0.010	ug/1	91				
Fluoranthene	N.D.	0.010	ug/1	101		71-125 75-116		
Fluorene	N.D.	0.010	ug/l	101		75-114		
Indeno(1,2,3-cd)pyrene	N.D.	0.010	ug/l	96		69-124		
Naphthalene	N.D.	0.010	ug/1	95				
•		0.010	~9/ ±	23		72-109		

⁽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: 1185702

Reported: 03/25/10 at 10:59 AM

Laboratory Compliance Quality Control

<u>Analysis Name</u> Phenanthrene Pyrene	Blank <u>Result</u> N.D. N.D.	Blank MDL 0.010 0.010	Report <u>Units</u> ug/l ug/l	LCS <u>%REC</u> 102 108	LCSD SREC	LCS/LCSD <u>Limits</u> 76-111 69-118	RPD	RPD Max
Batch number: 10075A94A	Sample numbe							
ATTITUTE	5925125,5925			L,5925133,	5925135,5	925137		
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	109	109	75-135	0	30
Batch number: 100740012A DRO C12-C24 w/Si Gel HRO C24-C40 w/Si Gel	Sample numbe N.D. N.D.	r(s): 592 30. 70.	5125,59251 ug/l ug/l	127,592512 80	9,5925131,	,5925133,592 50-100	:5135,59	25137
Batch number: 100756050001A	Sample numbe	r(s): 592	5125-59251	.30				
Lead	N.D.	0.050	ug/l	100		90-115		
Batch number: 100756050002A Lead	Sample numbe	r(s): 5929 0.050	5131-59251 ug/l	.38		90-115		
				- - -				

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 <u>%rec</u>	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD
Batch number: W100731AA	Sample	number(s)	: 5925125	. 592512	7.5925	129.5925131	.5925133	UNSPK: P924575	
Acetone	109	107	52-139	2	30		, -, -, -, -, -, -, -, -, -, -, -, -, -,	UNDIR. 2724373	
Benzene	118	115	80-126	3	30				
Bromobenzene	111	112	82-115	1	30				
Bromochloromethane	117	118	83-123	0	30				
Bromodichloromethane	114	114	78-125	Ō	30				
Bromoform	101	97	60-121	4	30				
Bromomethane	97	90	38-149	В	30				
2-Butanone	102	99	57-138	3	30				
n-Butylbenzene	112	106	73-128	6	30				
sec-Butylbenzene	111	109	79-125	2	30				
tert-Butylbenzene	117	113	81-121	4	30				
Carbon Disulfide	121	120	67-135	1	30				
Carbon Tetrachloride	128	125	81-138	2	30				
Chlorobenzene	117	117	87-124	0	30				
Chloroethane	96	89	51-145	7	30				
Chloroform	118	117	81-134	i	30				
Chloromethane	82	78	67-154	5	30				
2-Chlorotoluene	107	112	82-118	5	30				
4-Chlorotoluene	113	108	84-122	4	30				
1,2-Dibromo-3-chloropropane	93	91	66-121	2	30				
Dibromochloromethane	107	103	74-116	4	30				
1,2-Dibromoethane	104	105	77-116	ō	30				
Dibromomethane	110	110	83-119	ō	30				
1,2-Dichlorobenzene	109	111	84-119	2	30				
1,3-Dichlorobenzene	110	110	86-121	0	30				
1,4-Dichlorobenzene	109	110	85-121	i	30				
Dichlorodifluoromethane	82	80	64-163	2	30				

- (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: 1185702

Reported: 03/25/10 at 10:59 AM

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

	MS	MSD	MS/MSD		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name	BREC	3REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
1,1-Dichloroethane	121	121	84-129	0	30	3.7	3344	<u> </u>	Man
1,2-Dichloroethane	111	108	66-141	2	30				
1,1-Dichloroethene	127	129	85-142	2	30				
cis-1,2-Dichloroethene	122	120	85-125	2	30				
trans-1,2-Dichloroethene	128*	125	87-126	2	30				
1,2-Dichloropropane	119	118	83-124	ō	30				
1,3-Dichloropropane	108	106	81-120	ĭ	30				
2,2-Dichloropropane	128	124	81-135	3	30				
1,1-Dichloropropene	129	126	86-137	2	30				
cis-1,3-Dichloropropene	112	106	75-125	5	30				
trans-1,3-Dichloropropene	108	107	74-119	1	30				
Ethylbenzene	119	117	71-134	2	30				
Hexachlorobutadiene	112	101	56-134	10	30				
2-Hexanone	90	87	55-127	4	30				
Isopropylbenzene	130*	117							
p-Isopropyltoluene	109	110	75-128	8	30				
Methyl Tertiary Butyl Ether	112	109	76-123	1	30				
4-Methyl-2-pentanone	98	96	72-126	2	30				
Methylene Chloride	133*	127*	63-123	2	30				
Naphthalene			79-120	4	30				
n-Propylbenzene	108	106	52-125	1	30				
Styrene	116 116	108	74-134	6	30				
1,1,1,2-Tetrachloroethane		115	60-140	0	30				
1,1,2,2-Tetrachloroethane	111	107	82-119	4	30				
Tetrachloroethene	98 119	98	73-119	0	30				
Toluene		117	80-128	2	30				
1,2,3-Trichlorobenzene	120	120	80-125	0	30				
1,2,4-Trichlorobenzene	103	102	57-122	1	30				
1,1,1-Trichloroethane	112	108	60-122	3	30				
1,1,2-Trichloroethane	127	124	80-143	2	30				
Trichloroethene	110 127	108	77-124	1	30				
Trichlorofluoromethane		123	88-133	3	30			9.5	
	110	107	73-152	3	30				
1,2,3-Trichloropropane 1,2,4-Trimethylbenzene	94	102	76-118	9	30				
1,3,5-Trimethylbenzene	112	111	72-130	1	30				
Vinyl Chloride	108	110	72-131	2	30				
m+p-Xylene	95	97	66-133	2	30				
o-Xylene	118	114	79-125	3	30				
Xylene (Total)	117	115	79-125	2	30				
Aylene (Total)	117	114	79-125	3	30				
Batch number: W100741AA	Cample			E00E1					
Acetone	98	number(s)				P921450			
Benzene		100	52-139	3	30				
Bromobenzene	112	112	80-126	0	30				
Bromochloromethane	104	105	82-115	1	30				
Bromodichloromethane	110	110	83-123	0	30				
Bromoform	107	108	78-125	1	30				
	95	93	60-121	2	30				
Bromomethane 2-Butanone	98	99	38-149	1	30				
	94	96	57-138	2	30				
n-Butylbenzene	95	95	73-128	0	30				
sec-Butylbenzene	101	99_	79-125	2	30				
tert-Butylbenzene	103	105	81-121	2	30				
Carbon Disulfide	114	111	67-135	3	30				

- (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: 1185702

Reported: 03/25/10 at 10:59 AM

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

	MS	MSD	MS/MSD		200				
Analysis Name	%REC	*RBC	Limits	RPD	RPD	BKG	DOD	DUP	Dup RPD
Carbon Tetrachloride	122	119			MAX	Conc	Conc	RPD	Max
Chlorobenzene	113	115	81-138	2	30				
Chloroethane	103	99	87-124	1	30				
Chloroform	111	107	51-145	4	30				
Chloromethane	85	79	81-134	4	30				
2-Chlorotoluene	104	106	67-154	7	30				
4-Chlorotoluene	102	103	82-118	2	30				
1,2-Dibromo-3-chloropropane	85		84-122	1	30				
Dibromochloromethane	103	85 103	66-121	0	30				
1,2-Dibromoethane	103	103	74-116	0	30				
Dibromomethane	101	102	77-116	1	30				
1,2-Dichlorobenzene	104	104	83-119	1	30				
1,3-Dichlorobenzene	105	104	84-119	0	30				
1,4-Dichlorobenzene	106	103	86-121	0	30				
Dichlorodifluoromethane	86		85-121	4	30				
1,1-Dichloroethane		84	64-163	2	30				
1,2-Dichloroethane	116	114	84-129	1	30				
1,1-Dichloroethene	105	104	66-141	1	30				
cis-1,2-Dichloroethene	120	121	85-142	1	30				
trans-1,2-Dichloroethene	116	114	85-125	2	30				
1,2-Dichloropropane	124	119	87-126	4	30				
1,3-Dichloropropane	116	111	83-124	4	30				
2,2-Dichloropropane	102	104	81-120	2	30				
1,1-Dichloropropene	120	120	81-135	0	30				
	117	121	86-137	4	30				
cis-1,3-Dichloropropene	104	103	75-125	1	30				
trans-1,3-Dichloropropene	103	103	74-119	1	30				
Ethylbenzene	111	112	71-134	1	30				
Hexachlorobutadiene	81	87	56-134	7	30				
2-Hexanone	81	83	55-127	3	30				
Isopropylbenzene	112	116	75-128	4	30				
p-Isopropyltoluene	101	100	76-123	1	30				
Methyl Tertiary Butyl Ether	106	105	72-126	0	30				
4-Methyl-2-pentanone	90	92	63-123	2	30				
Methylene Chloride	115	118	79-120	3	30				
Naphthalene	92	96	52-125	4	30				
n-Propylbenzene	105	103	74-134	2	30				
Styrene	111	109	60-140	2	30				
1,1,1,2-Tetrachloroethane	104	106	82-119	2	30				
1,1,2,2-Tetrachloroethane	92	92	73-119	0	30				
Tetrachloroethene	115	112	80-128	3	30				
Toluene	113	116	80-125	2	30				
1,2,3-Trichlorobenzene	88	91	57-122	4	30				
1,2,4-Trichlorobenzene	96	97	60-122	1	30				
1,1,1-Trichloroethane	118	120	80-143	1	30				
1,1,2-Trichloroethane	104	104	77-124	0	30				
Trichloroethene	116	115	88-133	1	30				
Trichlorofluoromethane	107	107	73-152	0	30				
1,2,3-Trichloropropane	93	92	76-118	1	30				
1,2,4-Trimethylbenzene	103	104	72-130	0	30				
1,3,5-Trimethylbenzene	102	101	72-131	1	30				
Vinyl Chloride	101	96	66-133	5	30				
m+p-Xylene	111	112	79-125	1	30				
o-Xylene	111	110	79-125	ī	30				

- *- 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: 1185702

Reported: 03/25/10 at 10:59 AM

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> Xylene (Total)	MS <u>%RBC</u> 111	MSD %RBC 111	MS/MSD <u>Limits</u> 79-125	<u>RPD</u> 0	RPD MAX 30	BKG Conc	DUP Conc	DUP RPD	Dup RPD
Batch number: Z100763AA	Sample	number(s)	: 5925124	UNSPK:	P92654	4.8			
Benzene	99	· · ·	80-126		- 3203				
Ethylbenzene	100		71-134						
Toluene	103		80-125						
Xylene (Total)	101		79-125						
Batch number: 10071WAB026	Sample P924575	number(s)	: 5925125	,592512	7,59251	129,5925131	,5925133,59	25135,592513	7 UNSPK:
Acenaphthene	81	81	55-124	0	30				
Acenaphthylene	92	88	49-132	4	30				
Anthracene	82	94	43-134	13	30				
Benzo(a) anthracene	86	78	50-130	10	30				
Benzo(a)pyrene	76	74	42-132	2	30				
Benzo(b)fluoranthene	84	81	36-143	4	30				
Benzo(g,h,i)perylene	62	55	17-141	12	30				
Benzo(k)fluoranthene	70	71	36-135	1	30				
Chrysene	88	85	50-133	4	30				
Dibenz(a,h)anthracene	73	66	33-137	10	30				
Fluoranthene	79	96	40-144	18	30				
Fluorene	78	70	47-135	4	30				
Indeno(1,2,3-cd)pyrene	72	63	10-147	13	30				
Naphthalene	88	87	72-119	1	30				
Phenanthrene	87	104	25-153	15	30				
Pyrene	80	72	10-156	11	30				
Batch number: 10075A94A	Sample 5925125	number(s):	5925124-	125121 (5025122	£02E32e E0	25137 UNSPK	D004555	
NWTPH-Gx water C7-C12	113	122	57-157	6	30	, 3923133, 33	ZDID/ UNDPK	: P9245/5	
				_					
Batch number: 100740012A	Sample : P922647	number(s):	5925125,	592512	7,59251	29,5925131,	5925133,592	5135,592513	7 BKG:
DRO C12-C24 w/si Gel						3,700	4.400	17 (1)	20
HRO C24-C40 w/Si Gel						N.D.	N.D.	0 (1)	20
Batch number: 100756050001A Lead	Sample :	number(s):	5925125- 75-125	5925130 5		: P924575 B	KG: P924575 5.3	B (1)	20
Batch number: 100756050002A	Sample 1	number(s):	5925131-				KG: P924579		
author to her took	100	105	75-125	3	20	0.084	0.065	25* (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: PPL List Batch number: W100731AA Dibromofluoromethane

Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8

4-Bromofluorobenzene

- (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: 1185702

Reported: 03/25/10 at 10:59 AM

Surrogate Quality Control

5925125	94	93	95	89
5925127	93	96	95	93
5925129	94	90	99	93 96
5925131	95	92	96	90
5925133	95	90	95	89
Blank	92	94	95	89
LCS	93	89	96	92
MS	97	95	97	95
MSD	95	91	97	94
Limits:	80-116	77-113	00 122	
	55 110	//-113	80-113	78-113

Analysis Name: PPL List Batch number: W100741AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5925135	97	95	96	9.0
5925137	97	94	95	90
Blank	95	0.3	22	30

Limits:	80-116	77-113	80-113	78-113
Blank LCS MS MSD	95 94 96 96	93 96 94 92	95 96 97 97 95	90 90 91 93 94
5925137	97	94	O.F.	0.0

Analysis Name: BTEX by 8260B Batch number: Z100763AA

Date:	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5925124	97	96	104	96
Blank	96	95	103	96
LCS	97	96	102	98
LCSD	98	97	103	99
MS	97	95	103	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PAHs in waters by SIM Batch number: 10071WAB026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14	
5925125	115	100	65	
5925127	120	88	74	
5925129	143	69	80	
5925131	113	92	72	
5925133	114	92	90	
5925135	111	92	77	
5925137	121	100	80	
Blank	108	101	102	
LCS	114	105	102	
MS	140	98	70	
MSD	128	94	67	
Limits:	64-147	68-132	53-129	

Analysis Name: NWTPH-Gx water C7-C12 Batch number: 10075A94A

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

Client Name: Chevron

Group Number: 1185702

Reported: 03/25/10 at 10:59 AM

		Surrogate Quality Control
	Trifluorotoluene-F	and the same of th
5925124	91	
5925125	81	
5925127	83	
5925129	88	
5925131	79	
5925133	79	
5925135	81	
5925137	81	
Blank	89	
LCS	89	
LCSD	88	
MS	92	
MSD	96	
Limits:	63-135	
Analysis N	Name: NWTPH-Dx water w/Si Gel	
Batch numb	er: 100740012A	
	A 11	
	Orthoterphenyl	
5925125	97	
5925125 5925127		
	97	
5925127	97 99	
5925127 5925129	97 99 109	
5925127 5925129 5925131 5925133 5925135	97 99 109 91	
5925127 5925129 5925131 5925133	97 99 109 91 89	
5925127 5925129 5925131 5925133 5925135 5925137 Blank	97 99 109 91 89	
5925127 5925129 5925131 5925133 5925135 5925137 Blank DUP	97 99 109 91 89 92 97	
5925127 5925129 5925131 5925133 5925135 5925137 Blank	97 99 109 91 89 92 97 103	

⁽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	ib.	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/mi	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:

X.Y.Z

Organic Qualifiers

Defined in case narrative

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	В	Value is <crdl, but="" th="" ≥idl<=""></crdl,>
B	Analyte was also detected in the blank	E	Estimated due to interference
C	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
P	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		

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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