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January 18, 2007

Mr. Michael Kuntz Dept. of Ecology, Headquarters 300 Desmond Drive Lacey, WA 98503

Groundwater Monitoring Report - Third Quarter 2006 Re:

> Former Chevron Service Station 917 NW Richmond Beach Road Shoreline, WA 98177 Site #: 9-4511

Project #: 63H-2306

Dear Mr. Kuntz:

Cambria Environmental Technology, Inc. (Cambria) prepared this quarterly groundwater report on behalf of the Chevron Environmental Management Company (Chevron) for the site listed above.

If you have any questions regarding the contents of this document, please call Andrea Petrusky at (425) 212-5107.

Sincerely,

Cambria Environmental Technology, Inc.

Andrea Petrusky Senior Staff Scientist

Christopher J. Martin, LHG, LG Senior Project Hydrogeologist

Christopher Martin

Enclosure:

cc:

Groundwater Monitoring Report – Third Quarter 2006

Cambria Environmental Technology, Inc. Dana Thurman, Chevron, PO Box 6012, San Ramon, CA 94583-2324 Terry & Grace Dalton, P.O. Box 526, Medina, WA 98039 Provine Management Company, 7527 Ravenna Ave NE, Seattle, WA 98115-4661 Hinda Schnurman, c/o The Richmond Clinic, 355 NW Richmond Beach Road, Shoreline, WA 98177

8620 Holly Drive Suite 210 Everett, WA 98208 Tel (425) 353-6628 Fax (425) 353-6443

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GROUNDWATER MONITORING REPORT – THIRD QUARTER 2006

Site Address:	917 NW Richmond Beach Road, Shoreline
Site Use	Former Chevron Service Station
Chevron Project Manager	Mr. Dana Thurman
Consultant and Contact Person	Cambria, Andrea Petrusky
Lead Agency and Contact	WDOE, Michael Kuntz
Agency ID No.	14293218
-	
Date of Groundwater Sampling	September 14, 2006



Activities During Third Quarter 2006

Blaine Tech Services, Inc. (Blaine) gauged and sampled wells according to the established monitoring program for this site.

Observations During Third Quarter 2006

Groundwater Flow Direction	East
Hydraulic Gradient	0.06 to 0.08 feet/foot
Depth to Water	5.16 to 10.33 feet below top of well casing

Discussion

All four wells at this location were sampled during the third quarter of 2006. Concentrations of TPH-D, TPH-G, and benzene were detected above the Model Toxics Control Act (MTCA) Method A cleanup levels at the center of the site in well MW-12. Analytes for wells MW-13, MW-14, and MW-15 were all below the method detection levels.

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Attachments

Figures: 1 – Vicinity Map

2 – Groundwater Elevation Contour and Chemical Concentration Map

Tables: 1 – Groundwater Monitoring Data and Analytical Results

2 – Field Measurements and Analytical Results
3 – Groundwater Analytical Results – PAHs

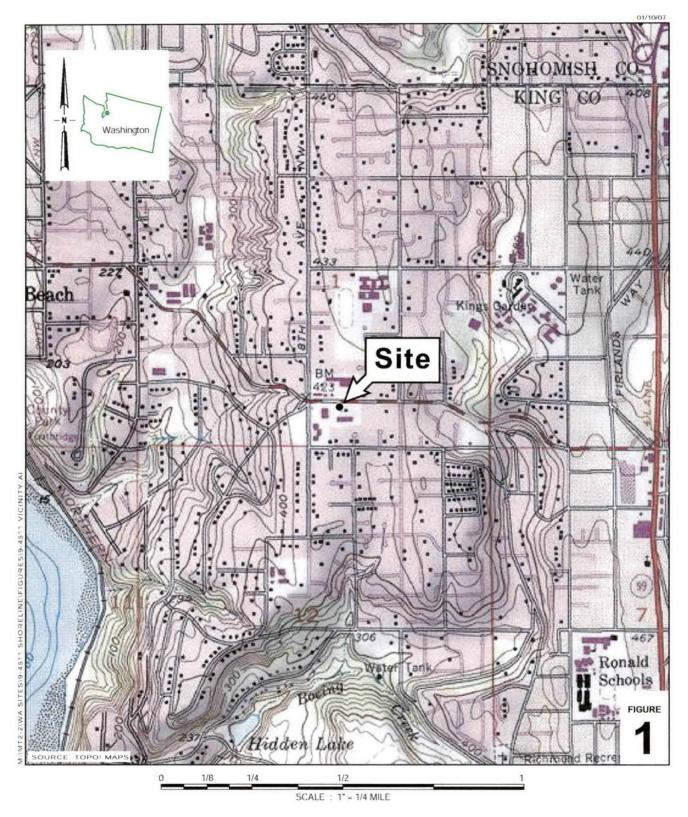
4 - Groundwater Analytical Results - Oxygenate Compounds

Appendix: A - Blaine Tech Services, Inc. - Groundwater Monitoring Report



Cambria Environmental Technology, Inc. (Cambria) prepared this document for use by our client and appropriate regulatory agencies. It is based partially on information available to Cambria from outside sources and/or in the public domain, and partially on information supplied by Cambria and its subcontractors. Cambria makes no warranty or guarantee, expressed or implied, included or intended in this document, with respect to the accuracy of information obtained from these outside sources or the public domain, or any conclusions or recommendations based on information that was not independently verified by Cambria. This document represents the best professional judgment of Cambria. None of the work performed hereunder constitutes or shall be represented as a legal opinion of any kind or nature.

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Chevron Service Station 9-4511

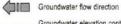


Vicinity Map

617 NW Richmond Beach Road Shoreline, Washington

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EXPLANATION MW-1 ♦ Monitoring well location



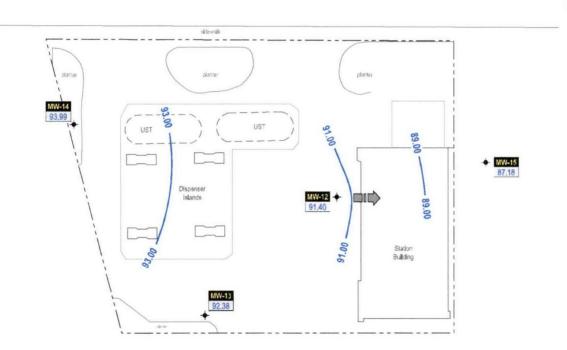


Groundwater elevation contour, In feet, referenced to an arbitrary datum, approximately located, dashed where inferred



Well — Well designation

Groundwater elevation, in feet, referenced to an arbitrary datum



NW RICHMOND BEACH ROAD

Parking Lot

20 Scale (ft)

Basemap modified from drawing provided by Secor

FIGURE

TABLE 1 SUMMARY OF FIELD MEASUREMENT DATA

	The Section of the		F 5. 4.4.4		a	44-	I marin		La Mitmata	Varrana
			Depth to	Groundwater		5. is 1	Total		Nitrate	Ferrous
Well ID	Date	TOC	Water	Elevation	DO	ORP	Alkalinity	Sulfate	Nitrogen	Iron
	P.	(ft)	(ft)	(ft)	(mg/L)	(mV)	(µg/L)	(µg/L)	(μg/L)	(µg/L)
MW-12	04/24/00	99.30	3.22	96.08						
MW-12	09/23/00	99.30	5.38	93.92						
MW-12	12/16/00	99.30	5.69	93.61	p					
MW-12	03/27/01	99.30	5.65	93.65						
MW-12	06/24/01	99.30	4.91	94.39						
MW-12	09/18/01	99.30	5.68	93.62						
MW-12	12/07/01	99.30	3.52	95.78						
MW-12	06/19/02 a	99.30	5.96	93.34						
MW-12	12/05/02 a	99.30	7.36	91.94						
MW-12	06/03/03 a	99.30	4.71	94.59						
MW-12	12/01/03 a	99.30	4.70	94.60						
MW-12	06/21/04 a	99.30	6.10	93.20	9.1	95	412,000	10,600	<400	24
MW-12	12/15/04 a	99.30	5.82	93.48	9.6	104	408,000	4,600	<400	2,800
MW-12	02/08/05	99.30	5.87	93.43	3.0	-104	423,000	8,700	<400	2,000
MW-12	11/07/05	99.30	6.76	92.54	3.1	-51				
MW-12	02/24/06	99.30	4.56	94.74	3.9	-48				
MW-12	05/22/06	99.30	5.32	93.98	3.6	-42				
MW-12	09/14/06	99.30	7.90	91.40		_	_	_		
MW-13	04/24/00	99.63	3.10	96.53						
MW-13	09/23/00	99.63	3.78	95.85						
MW-13	12/16/00	99.63	4.56	95.07						
MW-13	03/27/01	99.63	4.35	95.28						
MW-13	06/24/01	99.63	4.37	95.26						
MW-13	09/18/01	99.63	4.88	94.75						
MW-13	12/07/01	99.63	4.01	95.62						
MW-13	06/19/02	99.63	5.06	94.57						
MW-13	12/05/02	99.63	6.18	93.45						
MW-13	06/03/03	99.63	4.01	95.62						
MW-13	12/01/03	99.63	4.43	95.20						
MW-13	06/21/04 a	99.63	5.25	94.38	3.6	37	123,000	26,600	1,200 b	<8.0
MW-13	12/15/04 a	99.63	4.53	95.10	3.2	32	162,000	27,400	840	27
MW-13	02/08/05	99.63	4.56	95.07	7.9	72	157,000	26,900	820	13
MW-13	11/07/05	99.63	4.82	94.81	7.6	68				
MW-13	02/24/06	99.63	4.36	95.27	6.7	71				
MW-13	05/22/06	99.63	4.98	94.65	6.2	67		•••		
MW-13	09/14/06	99.63	7.25	92.38	_					
MW-14	04/24/00	99.15	2.40	96.75						
				95.36						
MW-14 MW-14	09/23/00 12/16/00	99.15 99.15	3.79 4.51	93.36 94.64						
MW-14 MW-14		99.15 99.15	4.31 4.37	94.64 94.78						
MW-14 MW-14	03/27/01 06/24/01	99.15	4.37	94.78 95.12						
MW-14 MW-14	09/18/01	99.15	4.03 4.64	94.51						
MW-14 MW-14	12/07/01	99.13 99.15	3.13	96.02						
MW-14 MW-14	06/19/02	99.15	3.13	90.02						
MW-14 MW-14	12/05/02	99.15 99.15	5.42	93.73						
MW-14 MW-14	06/03/03	99.15	2.43	93.73 96.72						
MW-14 MW-14	12/01/03	99.15	3.48	95.67						
MW-14 MW-14	06/21/04 a	99.15	4.89	94.26	3.4	107	157,000	19,100	2,200	<8.0
MW-14 MW-14	12/15/04 a	99.15	3.72	94.20 95.43	3.4	107	137,000	13,300	1,300	44
MW-14 MW-14	02/08/05	99.15	4.16	94.99	8.4	51	126,000	15,400	1,600	27
MW-14 MW-14	11/07/05	99.15	3.88	94.99 95.27	8.2	56		15,400		
MW-14	02/24/06	99.15	3.76	95.27 95.39	7.2	57				
MW-14	05/22/06	99.15	4.84	94.31	6.7	54				
MW-14	09/14/06	99.15 99.15	5.16	94.51 93.99						
144 44-14	U2/14/UU	77.13	5.10	73.77			— —			

TABLE 1

SUMMARY OF FIELD MEASUREMENT DATA

Former Chevron Service Station 9-4511 617 Northwest Richmond Beach Road Shoreline, Washington

Well ID	Date	TOC	Depth to Water	Groundwater Elevation	DO	ORP	Total Alkalinity	Sulfate	Nitrate Nitrogen	Ferrous Iron
* * * * * * * * * * * * * * * * * * *	ran ray qiya shigara e	(ft)	(ft)	(ft)	(mg/L)	(mV)	(µg/L)	(μg/L)	(µg/L)	(µg/L)
MW-15	09/23/00	97.51	8.82	88.69						
MW-15	12/16/00	97.51	8.33	89.18						
MW-15	03/27/01	97.51	7.82	89.69						
MW-15	06/24/01	97.51	6.94	90.57						
MW-15	09/18/01	97.51	8.19	89.32						
MW-15	12/07/01	97.51	3.80	93.71						
MW-15	06/19/02	97.51	7.82	89.69						
MW-15	12/05/02	97.51	9.73	87.78						
MW-15	06/03/03	97.51	6.63	90.88						
MW-15	12/01/03	97.51	5.98	91.53						
MW-15	06/21/04 a	97.51	8.24	89.27	4.0	113	162,000	24,100	<400	<8.0
MW-15	12/15/04 a	97.51	7.04	90.47	4.6	118	202,000	26,600	<400	26
MW-15	02/08/05	97.51	6.78	90.73	6.5	96	172,000	26,500	<400	16
MW-15	11/07/05	97.51	8.62	88.89	6.3	92				
MW-15	02/24/06	97.51	3.98	93.53	5.6	87				
MW-15	05/22/06	97.51	6.14	91.37	5.2	82				
MW-15	09/14/06	97.51	10.33	87.18	_	_	_	_	_	-

Abbreviations and Notes:

Groundwater monitoring data and laboratory analytical results prior to September 23, 2000, were compiled from reports prepared by Delta Environmental Consultants, Inc.

TOC = Top of casing elevation, surveyed in feet relative to an arbitrary datum.

DO = Dissolved oxygen

ORP = Oxygen reduction potential

Total Alkalinity by EPA 310.1

Sulfate and Nitrate Nitrogen by EPA 300.0

Ferrous Iron by SM 18, 3500-Fe D (modified)

ft = Feet

μg/L = Milligrams per liter

mV = Millivolts

μg/L = Micrograms per liter

---- = Not Measured/Not Analyzed

< n = Below laboratory detection limit of $n \mu g/L$

a = No Purge

b = Laboratory report indicates sample was analyzed past hold time.

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA

Well ID	Date	TPH-GRO	TPH-DRO	TPH-HRO	В	Т	В	Х	MTBE	Lead	Lead
		(µg/L)	(μg/L)	(µg/L)	(μg/L)	(µg/L)	 (μg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)
		(PS -)	·(pg 2)	(145 2)	(MG/2)	(145/2)	(PB ~)	((((((((((((((((((((([[] []	· (PB/2)	(FB.5)
MW-12	04/24/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-12	09/23/00	257	ND a	ND a	1.74	ND	1.49	5.30			
MW-12	12/16/00	585	ND b	ND b	6.07	ND	4.41	4			
MW-12	03/27/01	712	280	ND	11.2	ND	5.97	5.14	1.51/ND c		
MW-12	06/24/01	626 d	<250	<750	9.73	< 0.500	5.11	1.81	2.88/<5.00 e		
MW-12	09/18/01	502	1,660	<500	14.3	< 0.500	2.81	4.67	2.83		
MW-12	12/07/01	101	1,240 f	<500	1.33	< 0.500	< 0.500	2.46	<1.00		
MW-12	06/19/02	840	3301	<750	14	< 0.50	<10	2.4			
MW-12	12/05/02	1,600	770	290	35	1	26	13			
MW-12	06/03/03	230	550	1,500	10	< 0.5	0.8	<1.5			
MW-12	12/01/03	210	430	<250	4.4	< 0.5	1.5	<1.5			
MW-12	06/21/04	750	600	330	24	0.5	<5.0	<5.0			
MW-12	12/15/04	1,200	320	300	35	1.7	7.6	5.7			
MW-12	02/08/05	1,200	450	<97	36	1.7	9.6	6.9	<2.5		
MW-12	11/07/05	1,200	430 g	<100	33	1	2	1.9	2	< 0.87	< 0.87
MW-12	02/24/06	<48	140	<99	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
MW-12	05/22/06	510	310	<150	12	< 0.5	< 0.5	< 0.5	< 0.5		
MW-12	09/14/06	1,000	530	260	19	0.6	1	0.7	2		
MW-13	04/24/00	ND	ND	ND	ND	ND	ND	ND	ND	1.97	
MW-13	09/23/00	ND	ND a	ND a	ND	ND	ND	ND			
MW-13	12/16/00	ND	ND b	ND b	ND	ND	ND	ND			
MW-13	03/27/01	ND	ND	ND	ND	ND	ND	ND	ND		
MW-13	06/24/01	<50.0	<250	<750	< 0.500	< 0.500	< 0.500	<1.00	<1.00		
MW-13	09/18/01	<50.0	<250	<500	< 0.500	< 0.500	< 0.500	<1.00	<1.00		
MW-13	12/07/01	<50.0	<250	<500	< 0.500	< 0.500	< 0.500	<1.00	<1.00		
MW-13	06/19/02										
MW-13	12/05/02	<u></u> .									
MW-13	06/03/03										
MW-13	12/01/03										
MW-13	06/21/04	<50	<78	<98	<0.5	< 0.5	< 0.5	<1.5			
MW-13	12/15/04	<48	<78	<98	<0.5	<0.5	< 0.5	<1.5			
MW-13	02/08/05										

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA

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Well ID	Date	TPH-GRO	TPH-DRO	TPH-HRO	В	T	E	Χ	MTBE	Lead	Lead
		μg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	. (μg/L)	(µg/L)	(μg/L)
MW-13	11/07/05	<48	<81	~100	-0 5	-O E	-O E	-1.0	-0.5	40 D.7	40.0 7
MW-13		<48 <48		<100	<0.5	<0.5	<0.5	<1.0	<0.5	<0.87	<0.87
	02/24/06		<80 <70	<100	<0.5	<0.5	<0.5	<0.5	<0.5		
MW-13	05/22/06	<48	<78	<97	<0.5	<0.5	<0.5	<0.5	<0.5		
MW-13	09/14/06	<48	<82	<100	<0.5	<0.5	<0.5	<0.5	<0.5		
MW-14	04/24/00	185	ND	ND	0.564	ND	ND	ND	ND	3.92	
MW-14	09/23/00	ND	ND a, b	ND a, b	ND	ND	ND	ND			
MW-14	12/16/00	ND	h	h	ND	ND	ND	ND			
MW-14	03/27/01	ND	ND	ND	ND	ND	ND	ND	1.57/ND c		
MW-14	06/24/01	<50.0	<250	<750	< 0.500	< 0.500	<0.500	<1.00	<1.00		
MW-14	09/18/01	<50.0	<250	<500	< 0.500	< 0.500	< 0.500	<1.00	2.16		
MW-14	12/07/01	<50.0	<250	<500	< 0.500	< 0.500	< 0.500	<1.00	<1.00		
MW-14	06/19/02										
MW-14	12/05/02										
MW-14	06/03/03										
MW-14	12/01/03										
MW-14	06/21/04	<50	<79	<99	< 0.5	< 0.5	< 0.5	<1.5			
MW-14	12/15/04	<48	<78	<98	< 0.5	< 0.5	< 0.5	<1.5			
MW-14	02/08/05										
MW-14	11/07/05	<48	<81	<100	< 0.5	< 0.5	< 0.5	<1.0	<0.5	1.1	<0.87
MW-14	02/24/06	<48	<77	<96	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
MW-14	05/22/06	<48	<79	<99	< 0.5	< 0.5	<0.5	< 0.5	<0.5		
MW-14	09/14/06	<48	<800	<1,000	<0.5	<0.5	< 0.5	<0.5	2		
MW-15	09/23/00	ND	ND a	ND a	ND	ND	ND	ND	ND		
MW-15	12/16/00	ND	ND b	ND b	ND	ND	ND	ND	ND	20.2	
MW-15	03/27/01	ND	ND	ND	ND	ND	ND	ND	ND	ND i	
MW-15	06/24/01	<50.0	<250	<750	< 0.500	< 0.500	< 0.500	1.48	<1.00		
MW-15	09/18/01	<50.0	<250	< 500	<0.500	< 0.500	< 0.500	<1.00	<1.00		
MW-15	12/07/01	<50.0	508 f	< 500	< 0.500	<0.500	< 0.500	<1.00	<1.00		
MW-15	06/19/02										
MW-15	12/05/02										
MW-15	06/03/03										

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA

Well ID	Date	TPH-GRO	TPH-DRO	TPH-HRO	B	T	E	X	MTBE	Lead	Lead
	·	(µg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(μg/L)	(μg/L)	(μg/L)
•						_					
MW-15	12/01/03										
MW-15	06/21/04	<50	<81	<100	<0.5	< 0.5	<0.5	<1.5			
MW-15	12/15/04	<48	<79	<98	<0.5	< 0.5	<0.5	<1.5			
MW-15	02/08/05	<48	<78	130	< 0.5	< 0.5	<0.5	<1.5	<2.5		
MW-15	11/07/05	<48	<80	<100	<0.5	< 0.5	<0.5	<1.0	<0.5	1.2	< 0.87
MW-15	02/24/06	<48	100	180	<0.5	< 0.5	< 0.5	<0.5	< 0.5		
MW-15	05/22/06	<48	<80	<100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
MW-15	09/14/06	<48	<800	<1,000	< 0.5	<0.5	<0.5	<0.5	<0.5		
QA											
TRIP BLANK	09/23/00	ND			ND	ND	ND	ND			
TRIP BLANK	12/16/00										
TRIP BLANK	03/27/01	ND			ND	ND	ND	ND	ND		
TRIP BLANK	06/24/01	<50.0			< 0.500	< 0.500	< 0.500	<1.00	<1.00		
TRIP BLANK	09/18/01	<50.0			<0.500	< 0.500	< 0.500	<1.00	<1.00		
TRIP BLANK	12/07/01	<50.0			< 0.500	< 0.500	< 0.500	<1.00	<1.00		
TRIP BLANK	06/19/02	<50			< 0.50	< 0.50	< 0.50	<1.5			
TRIP BLANK	12/05/02	<50			< 0.50	< 0.50	< 0.50	<1.5			
TRIP BLANK	06/03/03	<50			< 0.5	< 0.5	< 0.5	<1.5			
TRIP BLANK	12/01/03	<50			<0.5	<0.5	< 0.5	<1.5			
TRIP BLANK	06/21/04	<50			< 0.5	< 0.5	< 0.5	<1.5			
TRIP BLANK	12/15/04	<48			<0.5	< 0.5	< 0.5	<1.5			

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA

Former Chevron Service Station 9-4511 617 Northwest Richmond Beach Road Shoreline, Washington

Well ID	Date	TPH-GRO	TPH-DRO	TPH-HRO (μg/L)	B (μg/L)	T	E	X	MTBE	Lead	Lead
		- (μg/L)	(µg/L)	(µg/L)	$(\mu g/L)$	(μg/L)	(μg/L)	(µg/L)	(μg/L)	(μg/L)	(µg/L)
TRIP BLANK	02/08/05	<48			<0.5	<0.5	<0.5	<1.5	<2.5		
TRIP BLANK	11/07/05	<48			<0.5	<0.5	< 0.5	<0.5	< 0.5		
TRIP BLANK	02/24/06	<48			< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
TRIP BLANK	05/22/06	<48			< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
TRIP BLANK	09/14/06	<48			<0.5	<0.5	<0.5	<0.5	<0.5		
				M1	CA Meth	od A Cle	anup Leve	els (µg/L)	<u> </u>		
		800/1000 j	500	NA	5	1000	700	1000	20	15	NA

Abbreviations and Notes:

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics (C4-C12), analyzed by Method NWTPH-Gx, SW 846 8015B Modified

TPH-DRO = Total petroleum hydrocarbons - diesel range organics (C10-C28), extended with silica gel clean-up and analyzed by Method NWTPH-Dx,

ECY Method 97-602 Modified; before June 19, 2002, by NWTPH-D+Extended, unless otherwise noted.

TPH-HRO = Total petroleum hydrocarbons - oil range organics (C16-C36), extended with silica gel clean-up and analyzed by Method

NWTPH-Dx, ECY Method 97-602 Modified; before June 19, 2002, by NWTPH-D+Extended, unless otherwise noted.

B = Benzene analyzed by EPA Method 8260B; before November 7, 2005, by EPA Method 8021B unless otherwise noted.

T = Toluene analyzed by EPA Method 8260B; before November 7, 2005, by EPA Method 8021B unless otherwise noted.

E = Ethylbenzene analyzed by EPA Method 8260B; before November 7, 2005, by EPA Method 8021B unless otherwise noted.

X = Total xylenes analyzed by EPA Method 8260B; before November 7, 2005, by EPA Method 8021B unless otherwise noted.

MTBE = Methyl tertiary-butyl ether, analyzed by EPA Method 8260B; before November 7, 2005, by EPA Method 8021B unless otherwise noted.

Total lead analyzed by EPA Method 6020

Dissolved lead analyzed by EPA Method 6020

EPA 310.1 for Total Alkalinity

EPA 300.0 for Sulfate and Nitrate Nitrogen

SM 18, 3500-Fe D (modified) for Ferrous Iron

EPA 8015B, modified for Methane

mg/L = Micrograms per liter

ND = Not Detected

< n = Below laboratory detection limit of $n \mod L$

--- = Not Measured/Not Analyzed

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA

Former Chevron Service Station 9-4511 617 Northwest Richmond Beach Road Shoreline, Washington

Well ID Date T	PH-GRO TPH-DRO	TPH-HRO	В	Т	. E	X	MTBE	Lead	Lead
	(μg/L) (μg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)	(μg/L)

QC = Quality assurance and/or trip blank

MTCA = Model Toxics Control Act Cleanup Regulations [WAC 173-340-720(2)(a)(1), as amended February 2001]

NA = No applicable MTCA level.

- a = TPH-D and TPH-O with silica gel cleanup.
- b = Detection limit raised. Refer to analytical reports.
- d = Laboratory report indicates the chromatogram for this sample does not resemble a typical gasoline pattern. Please refer to the sample chromatogram.
- e = MTBE by EPA Method 8260 was analyzed outside recommended hold time.
- f = Laboratory report indicates the sample chromatographic pattern does not resemble the fuel standard used for quantitation.
- g = Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and additional patterns which elute earlier and later in the DRO range.
- h = Sample container for this well arrived broken; analysis not performed.
- i = Laboratory report indicates sample was analyzed for dissolved lead; laboratory filtered since it was not field filtered as is required by the methodology.
- j = TPH-GRO MTCA Method A Cleanup Level is 800 mg/L if benzene is present in the groundwater, or 1000 mg/L if there is no detectable benzene in the groundwater.

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - PAHs

Former Chevron Service Station 9-4511 617 Northwest Richmond Beach Road Shoreline, Washington

							_							cPAHs				
Welling a	Date	R Naphthalene	E 文 文	Acenaphthene	五 7 7 Fluorene	Phenauthrene	ள் Anthracene ட்	E Fluoranthene	Pyrene	E Benzo(g,h,j)perylene	Benzo(a) anthracene	Trunksene	E Benzo(b)fluoranthene	E Benzo(k) fluoranthene	B Benzo(a)pyrene	E Indeno(1,2,3-cd)pyrene	E Dibenzo(a,h)anthracene	(qdd) qdd Total cPAHs
MW-12	11/07/05	8	0.05	0.06	0.05	0.04	<0.02	0.01	0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.1
MW-13	11/07/05	<0.01	<0.02	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.1
MW-14	11/07/05	<0.01	<0.02	10.0>	<0.01	<0.01	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	0.01	<0.02	<0.02	<0.02	<0.1 -
MW-15	11/07/05	<0.01	<0.02	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.1
MTCA Me	ethod A Cle	2anup L 160	evels (μį NA	g/L) NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1	NA	NA	

Abbreviations and Notes:

PAHs = Polycyclic aromatic hydrocarbons analyzed by EPA Method 8270 using Selective Ion Monitoring (SIM)

cPAHs = PAHs identified as known or probable human carcinogens by the US EPA

μg/L = Micrograms per liter

< n = Below laboratory detection limit of $n \mu g/L$

MTCA = Model Toxics Control Act Cleanup Regulations [WAC 173-340-720(2)(a)(1), as amended February 2001]

NA = No applicable MTCA level

TABLE 4

SUMMARY OF GROUNDWATER ANALYTICAL DATA - ADDITIONAL VOCs

Former Chevron Service Station 9-4511 617 Northwest Richmond Beach Road Shoreline, Washington

Well ID	Date	(可) (可) (可)	Ethanolis	in in the second of the second	(hg/r)	(h&/r)	(18) (18) (18) (18) (18) (18) (18) (18)
MW-12	11/07/05	<200	<50	<0.5	<0.5	<0.5	<5
MW-13	11/07/05	<200	<50	<0.5	<0.5	<0.5	<5
MW-14	11/07/05	<200	<50	<0.5	<0.5	<0.5	<5
MW-15	11/07/05	<200	<50	<0.5	<0.5	<0.5	<5
MTCA Meth	od A Clean	up Levels	(μg/L) NA	NA	NA	NA	NA

Abbreviations and Notes:

VOCs = Volatile organic compounds analyzed by EPA Method 8260B. For all other VOCs not detected above reporting limits, see corresponding Lancaster lab report.

Additional VOCS = VOCs not included on Table 2

Methanol by EPA Method 8015B

Ethanol by EPA Method 8015B

DIPE = Di-Isopropyl ether

ETBE = Ethyl t-butyl ether

TAME = t-Amyl methyl ether

TBA = t-Butyl alcohol

 μ g/L = micrograms per liter

< n = Below laboratory detection limit of $n \mu g/L$

MTCA = Model Toxics Control Act Cleanup Regulations [WAC 173-340-720(2)(a)(1), as amended February 2001]

NA = No applicable MTCA levels

Appendix A

Blaine Tech Services, Inc. Groundwater Monitoring Report

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company = 6001 Bollinger Canyon Road = San Ramon, CA 94583-2324 COC of **ANALYSES REQUIRED** Chevron Site Number: 94511 Chevron Consultant: Cambria Environmental Technology Preservation Codes # # # Program Designation: MT2-2 Address: 8260 Holly Drive, Suite 210 Everett, WA 98208 H = HCL T= Thiosulfate Site Address (street, city, state / county): 617 NW Richmond Consultant Contact: Andrea Petrusky N =HNO3 B = NaOH Beach Road, Shoreline, WA / King Consultant Phone No. (425)353-6670 x.105 S = H2SO4 O = Other Consultant Project No. 060914 Dk 2 Chevron PM: Dana Thurman ETBELL Chevron PM Phone No.: (925)842-9559 Sampling Company: Blaine Tech Services Sampled By (Print): Jan ☐ Retail and Terminal Business Unit (RTBU) Job TPH-D W/ SILICA GEL CLEANUP (97-602M) TBAC TAMEC ☐ Construction/Retail Job Sampler Signature: Temp. Blank Check Charge Code: NWRTB-0094511-0-OML Lancaster Other Lab Special Instructions Time Temp. NWRTB 00SITE NUMBER-0- OML Laboratories **WBS ELEMENTS:** SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L 2425 New Holland Pike MTBER DISSOLVED LEAD (6020) SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L Lancaster PA 17605 ETHANOLD FI Contact Angela Miller METHANOL (8015M) TOTAL LEAD (6020) (717) 856-2308 x.1903 PAH'S (8270 SIM) BTEXE TPH-G (8015M) SAMPLE ID 8260B 8260B # of Containers Date Sample Time Container Type Top Depth Notes/Comments Field Point Name Matrix (výmmdd) 8 X 1350 NA 860914 × ۷ mw-12 w NA 8 X uw-13 NA 250 8 WW - 14 NA 8 MW-15 NA NA NA NA ÑΑ ÑΑ Company Turnaround Time: Relinguished To Date/Time Date/Time: Relinquished By Company Standard 2 72 Hours□ 24 Hours□ 48 hours□ Blame Tech 9/14/00 Kott Other□ Sample Integrity: (Check by lab on arrival) Relinquished To Date/Time Company Relinguished By Company Date/Time Intact: On Ice: Temp: COC# Date/Time Relinguished To Company Date/Time Company Relinquished By

WELLHEAD INSPECTION CHECKLIST

Page ____ of ____

Client Chev	ion				Date	9/14/	n Co	
Site Address	17 Nice	Rich	mond	Bea	ell.	Skore	line 1	1,14
Site Address	100914.Dl	12		Tẹch	nician	Dillo	dela	
Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	•	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
Mw-12	×			١			DEIOW)	
UW-13	K							
MW-14 MW-15	%							
MW-15	K				•			
		·						
-								
	· ·							
			- -			<u>. </u>		
NOTES:								
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SOURCE RECORD **BILL OF LADING**FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF WASHINGTON OR OREGON. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUNDWATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY EMERALD SERVICES

The contractor performing this work is BLAINE TECH SERVICES, INC. 22727 72ND Ave South, Suite D – 102, Kent, WA 98032. BTS Seattle adress. Blaine Tech Services, Inc. is authorized by CHEVRON PRODUCTS COMPANY (CHEVRON) to recover, collect, apportion into loads, and haul the Non-Hazardous Well Purgewater that is drawn from wells at the CHEVRON facility indicated below and to deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one Chevron facility to BTS; from one Chevron facility to BTS via another Chevron facility; or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of CHEVRON.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

945	5//		Andrea Pet	Wallis
CHEVRO)NÍ#		evron Engineer	9
617	NW	Richmond Else	le Gleore teur	UH
etroot pu		street name	city	etate

WELL I.D. GALS.	WELL I.D. GALS.
	3/125/
Mw-12 1 3.5	
UW-13 1 4	
Mw-14 1 4	<u> </u>
_Mw-15 1_1.5	
<u> </u>	
added equip. rinse water <u>/ 0,5</u>	any other adjustments /
TOTAL GALS. 13,5	loaded onto BTS vehicle #
BTS event # time OG0914.Th signature Lashue	date
oignature -	1 17 106
Signature Lashur	4
*****	*****
REC'D AT Tedl	time date
unioaueu by	
signature In Carlylle) J
	·

WELL GAUGING DATA

Project # 000914, DUZ Date 9/14/06 Client Cheuron

Site 617 N.W. Richmond Beach Rd. Shorting, CVA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Immiscibles Removed		Depth to well bottom (ft.)	Survey Point: TOB or TOC	C-D Notes
Mw-12	1233	2		-		7,90	15.00	FOC -	4
Mw-13		2			 	7,25	14.94		2
uw-14	1220	2				5.16	13.15		1
uw-15	1227	2			 	10.33	13,70	1_	3
<u>.</u>					 				
					 		- · · · · ·		
		-			 				
	·			 					
					 		. ,		
								<u> </u>	

Project #	06091	1. DU	2	Station #: 94	6//	
Sampler:		shelo		Date: 9/14/6	56	
Weather:				Ambient Air T	emperature: 6	6°
Well I.D.	: MW-	12		Well Diameter	: 2 3 4	6 8
Total We	ll Depth:	16.00		Depth to Water	r: 7,90	
Depth to	Free Produ	ict:		Thickness of F	ree Product (fe	et):
Reference	ed to:	(PVC)	Grade	D.O. Meter (if	req'd):	YSI HACH
DTW wit	h 80% Red	charge [(H	leight of Water	Column x 0.20) + DTW]:	
Purge Metho	Bailer Disposable Ba	Displacement	Waterra Peristaltic Extraction Pump Other	-	Disposable Bailer Extraction Port Dedicated Tubing	
1 Case Volum	_(Gals.) X _ ne Sp	ecified Volum		Gals. Slume Well Diameter 1" 2" 3"	er <u>Multiplier Well</u> 0.04 4" 0.16 6" 0.37 Othe	<u>Diameter Multiplier</u> 0.65 1.47 r radius ² * 0.163
Time	Temp (°F)	pН	Cond. (mS of AS)	Turbidity (NTUs)	Gals. Removed	Observations
1341	63.9	6.5	738	22	1.5	
1343	640	6.6	743	19	2.5	
1345	64.2	6.4	747	14	3.5	
						
Did well o	lewater?	Yes	No	Gallons actuall	y evacuated:	3.6
Sampling	Date: 9	114/00	0	Sampling Time	: 1350	
Sample I.	D.: MW	-12		Laboratory:	Lancaster Otl	ner
Analyzed	for: Teh-1	w/ sgd (PH-0)	STEX MTBE EDB E	DC Oxy's(5) Ethanol 8260) full list Methanol PAH's	Total Lead Diss. Lead
Duplicate	I.D.:		Analyzed for:	TPH-G BTEX M	ITBE OXYS	Other:
D.O. (if re	:q'd):		Pre-purge:	mg/ _L	Post-purge:	mg/L
O.R.P. (if	req'd):		Pre-purge;	mV.	Post-purge:	

			_ 			
Project #	06091	4. DU:	2	Station #: 94	611	
Sampler:	Dill	she !	a	Date: 9/14/6	560	
	Rain				Temperature: (,5°
Well I.D.	: MW-	13		Well Diameter		6 8
1	ll Depth:	14.94		Depth to Wate	r: 7.25	
Depth to	Free Produ				Free Product (fe	et):
Referenc	ed to:	(PVC)	Grade	D.O. Meter (if		YSI HACH
DTW wi	h 80% Re	charge [(F	leight of Water	Column x 0.20) + DTW]:	
Purge Meth	Bailer Disposable B	Displacement	Waterra Peristaltic Extraction Pump Other	Sampling Method: Other:	Disposable Bailer Extraction Port Dedicated Tubing	Diameter Multiplier
1.2	_(Gals.) X	3	= 3.6	_ Gals. 1" 2" 3"	0.04 4" 0.16 6" 0.37 Othe	0.65 1.47
1 Case Volum	ne Sp	ecified Volun	nes Calculated Vo		1	124103 07103
Time	Temp (°F)	pН	(mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1301	65.7	7.1	478	840	1.6	
1303	660	7,0	488	906	2,5	
1305	66.1	7,0	49/	878	4,0	
Did well	lewater?	Yes	6	Gallons actuall	y evacuated:	4,8
Sampling	Date: 9	114/00	6	Sampling Time	: 13%	
Sample I.	D.: MW	-13		Laboratory:	Lancaster Ot	her
Analyzed	for: Ten-	w/sgc (TPH-G)	BTEX THE EDB E	DC Oxy's(5) Ethanol 8260	O full list Methanol PAH's	Total Lead Diss. Lead
Duplicate	I.D.:		Analyzed for:		ATBE OXYS	Other:
D.O. (if re	eq'd):		Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if	req'd):		Pre-purge:	··· mV	Post-purge:	- · · · · · · · · · · · · · · · · · · ·
Bl	aine Tech S	Services, I	nc., 1680 Roger	s Avenue, San J	ose, CA 95112	(408) 573-0555

Project #	:06091	4. DU:	7	Station #: 94	<u>///</u>	
	DU			Date: 9/14/		· · · · · · · · · · · · · · · · · · ·
Weather:	~ •	554.4 P	<u>a</u>			
-	- rauca				emperature: (16
Well I.D.	: MW-	14		Well Diameter		6 8
Total We	ll Depth:	13.14	5	Depth to Wate	r: 6.16	<u> </u>
Depth to	Free Produ	ıct:		Thickness of F	ree Product (fe	et):
Referenc	ed to:	(PVC)	Grade	D.O. Meter (if	req'd):	YSI HACH
DTW wit	h 80% Re	charge [(F	leight of Water	Column x 0.20) + DTW]:	·
Purge Meth	Bailer Disposable B	Displacement	Waterra Peristaltic Extraction Pump Other	Sampling Method: Other:	Disposable Bailer Extraction Port Dedicated Tubing	Diameter Multiplier
12			-7.0	I"	0.04 4" 0.16 6"	0.65
1 Case Volum		3 ecified Volum	$\frac{23.9}{\text{nes}} = \frac{3.9}{\text{Calculated Vo}}$	_ Gals.	0.37 Othe	1.47 er radius ² * 0.163
Time	Temp (°F)	pН	Cond. (mS or (S))	Turbidity (NTUs)	Gals. Removed	Observations
1239	62.5	7.5	450	7/000	1.5	
1241	63.2	7,4	458	71000	3.0	
1243	63.6	7.3	461	71000	4.0	
Did well	lewater?	Yes	(No)	Gallons actuall	y evacuated:	4.0
Sampling	Date: 9	114/0	6	Sampling Time	: 1250	
Sample I.	D.: MW	- 14		Laboratory:	Lancaster Ot	her
Analyzed	for: 764-1	W sg (TPH-G)	BTEX MTBE EDB E	DC Oxy's(5) Ethanol 8260) full list Methanol PAH's	Total Lead Diss. Lead
Duplicate	I.D.:		Analyzed for:	TPH-G BTEX M	ITBE OXYS	Other:
D.O. (if re	q'd):		Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if	req'd):		Pre-purge:	mV	Post-purge:	- mV-
Bla	aine Tech S	Services, I	nc., 1680 Roger	s Avenue, San J	ose, CA 95112	(408) 573-0555

Time Temp (°F) pH (mS or 18) (NTUs) Gals. Removed Observations 317 G . G.7 426 7/000 0.5 319 G .2 G.7 425 7/000 1.0 132 G .2 G.7 423 7/000 1.5 Did well dewater? Yes			·				<u>-</u>
Date: 9/14/06 Weather: Rail Ambient Air Temperature: 65° Well I.D.: MW 15 Well Diameter: 2 3 4 6 8 Total Well Depth: 13.76 Depth to Water: 16.73°5 Depth to Free Product: Thickness of Free Product (feet): Referenced to: Pvc Grade D.O. Meter (if req'd): YSI HACH DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: Purge Method: Bailer Waterra Disposable Bailery Peristaltic Extraction Pump Dedicated Tubing Dedicated Tubing Pusitive Air Displacement Extraction Pump Electric Submersible Other Dedicated Tubing Time Temp (°F) pH (mS or 18) (NTUs) Gals. Removed Observations 1317 G1.1 G.7 Y2G Y1000 1.5 1321 G1.2 G.7 Y25 Y1000 1.5 1321 G1.2 G.7 Y25 Y1000 1.5 Did well dewater? Yes Gallons actually evacuated: 1,5 Sampling Date: 9/14/06 Sampling Time: 1330 Sampling LD:: MW - 15 Laboratory: Lancaster Other: Duplicate LD:: Analyzed for: TPH-G BTEX MTBE OXYS Other: Doctor Doctor Descriptions Doctor D	Project #	06091	4. Du	2	Station #: 94	611	
Well I.D.: MW - 15 Well I.D.: MW - 15 Well I.D.: MW - 15 Depth to Water: 15, 75 Depth to Free Product: Thickness of Free Product (feet): Referenced to: (PVC) Grade D.O. Meter (if req'd): YSI HACH DTW with 80% Recharge [(Height of Water Column x 0,20) + DTW]: Purge Method: Sampling Method: Bailer Disposable Bailery Peristaltic Pusitive Air Displacement Extraction Pump Electric Submersible Other Dedicated Tubing Other: Well Disposable Bailery Dedicated Tubing Other: Well Disposable Bailery Dedicated Tubing Other: Other: Well Disposable Bailery Dedicated Tubing Other: Other: Well Disposable Bailery Dedicated Tubing Other: The Multiplier Well Disposable Bailery Dedicated Tubing Other: Other: Well Disposable Bailery Dedicated Tubing Other: Other: Well Disposable Bailery Dedicated Tubing Other: Other: Other: Other: The Other Multiplier Well Disposable Bailery Dedicated Tubing Other: Other: Other: Other: Other Tubidity (Inso or 18) (Institute Multiplier Well Disposable Bailery Dedicated Tubing Other: Other: Other Ot					Date: 9/14/	56	
Depth to Free Product: Referenced to: Referenced Tubing Other: Reference Multiplier Well Disalet Multipl	ł .				1 / /		5°
Depth to Free Product: Referenced to: Referenced to Waterra Doubt device to Multiplier Well Disnester Multiplier Referenced to Waterra Referenced to Doubt device to Multiplier Well Disnester Multiplier Referenced to Union Doubt device to Doubt devi	Well I.D.	: MW-	15		Well Diameter	r: ② 3 4	6 8
Depth to Free Product: Referenced to: Referenced to Waterra Doubt device to Multiplier Well Disnester Multiplier Referenced to Waterra Referenced to Doubt device to Multiplier Well Disnester Multiplier Referenced to Union Doubt device to Doubt devi	Total We	ll Depth:	13.7	6	Depth to Wate	r: 1033	
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: Purge Method: Bailer Waterra Disposable Bailer Persistaltic Positive Air Displacement Extraction Pump Electric Submersible Other Other: O 5 (Gals.) X 3 - I Case Volume Specified Volumes Time Temp (°F) pH (mS or 18) (NTUs) Gals. Removed Observations 1317	Depth to	Free Produ		•	1		et):
Purge Method: Bailer Bailer Disposable Bailer V Positive Air Displacement Electric Submersible Other	Reference	ed to:	(PVC)	Grade	D.O. Meter (if	req'd):	YSI HACH
Bailer Disposable Bailer Positive Air Displacement Extraction Pump Other Dedicated Tubing Dedicated Tubing Other Other Dedicated Tubing Other Other Dedicated Tubing Other Dedicated Tubing Other Other Dedicated Tubing Ot	DTW wit	h 80% Red	charge [(H	leight of Water	Column x 0.20) + DTW]:	,
Bailer Disposable Bailer Peristaltic Extraction Port Dedicated Tubing Other Other Dedicated Tubing Other Dedicated Tubing Other Other Dedicated Tubing Other Dedicated Tubing Other Other Other Dedicated Tubing Other Othe	Purge Methe	od:			Sampling Method:	Railer	
Disposable Bailer Positive Air Displacement Extraction Pump Other Other Other	0			Waterra			٠.
Column		Disposable Ba	ailer ⊁	Peristaltic		-	
Well Diameter Multiplier Vel Diameter Vel Diameter Multiplier Vel Diameter Vel D		Positive Air I	Displacement	Extraction Pump		Dedicated Tubing	-
1		Electric Subm	iersible	Other	Other:	·	
O S (Gals.) X Specified Volumes Calculated Volume Cond. Turbidity (NTUs) Gals. Removed Observations		····					
1 Case Volume Specified Volumes Calculated Volume 3" 0.37 Other radius * 0.16. Time Temp (°F) pH (mS or 18) (NTUs) Gals. Removed Observations 13/7 6/.1 6/.7 42.6 >/5000 /.0 13/9 6/.2 6/.7 42.5 >/5000 /.0 132/ 6/.2 6/.7 42.3 >/5000 /.5 Did well dewater? Yes Gallons actually evacuated: /.5 Sampling Date: 9/14/0 Sampling Time: /3.30 Sample I.D.: MW - 15 Laboratory: Lancaster Other Analyzed for: Teh-Dw/se (TPH-) BTEX (MTBE EDB EDC Oxy*(5) Eduarol \$250 fail list Methanol PAH's Total Lead Diss. Lead Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other: D.O. (if req'd): Pre-purge: mg/L Post-purge:	0.6	(C-1-) Y	ユ	_ 16	1 20		· · · · · · · · · · · · · · · · · · ·
Time Temp (°F) pH (mS or 18) (NTUs) Gals. Removed Observations 317			ecified Volun		— I I 90		
Time Temp (°F) pH (mS or 18) (NTUs) Gals. Removed Observations 1317 61.1 61.7 42.6 7/000 0.5 1319 61.2 6.7 42.3 7/000 1.5 Did well dewater? Yes N Gallons actually evacuated: 1.5 Sampling Date: 9/14/06 Sampling Time: 13.30 Sample I.D.: MW - 15 Laboratory: Lancaster Other Analyzed for: Teh-Dw/sc-(Teh-) ETEX (MTBE) EDB EDC Oxy*(5) Ethanol 8260 full list Methanol PAH's Total Lead Diss. Lead Duplicate I.D.: Analyzed for: Teh-G BTEX MTBE OXYS Other: D.O. (if req'd): Pre-purge: Teh-Dw/sc- Post-purge: Teh-Dw/sc- P						T	
1319 61.2 6.7 42.5 >1000 1.0 1321 61.2 6.7 42.3 >1000 1.5 Did well dewater? Yes No Gallons actually evacuated: 1.5 Sampling Date: 9/14/06 Sampling Time: 1330 Sample I.D.: MW - 16 Laboratory: Lancaster Other Analyzed for: The Waster The Stex Made and Diss. Lead Duplicate I.D.: Analyzed for: The BTEX Made are not properly to the property of the p	Time	Temp (°F)	pН		· •	Gals. Removed	Observations
Did well dewater? Yes No Gallons actually evacuated: 1, 5 Sampling Date: 9/14/06 Sampling Time: 1330 Sample I.D.: MW - 15 Laboratory: Lancaster Other Analyzed for: TH-D w/ Scc TPH- BTEX MTBE EDB EDC Oxy's(5) Ethanol 8260 full list Methanol PAH's Total Lead Diss. Lead Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other: D.O. (if req'd): Pre-purge: TPH-G Post-purge:	1317	61.1	6:7	426	7/000	0.5	
Did well dewater? Yes No Gallons actually evacuated: /, 5 Sampling Date: 9/14/66 Sampling Time: /330 Sample I.D.: MW - 16 Laboratory: Lancaster Other Analyzed for: TH-D w/sec TPH-9 BTEX MTBE BDB EDC Oxy's(5) Ethanol 8260 full list Methanol PAH's Total Lead Diss. Lead Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other: D.O. (if req'd): Pre-purge: Post-purge:	1319	61.2	617	425	71000	1.0	
Sampling Date: 9/14/66 Sampling Time: /336 Sample I.D.: MW - 16 Laboratory: Lancaster Other Analyzed for: TH-D w/sec TPH-0 BTEX MTBE EDB EDC Oxy's(5) Ethanol 8260 full list Methanol PAH's Total Lead Diss. Lead Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other: D.O. (if req'd): Pre-purge: Post-purge:	1321	61,2	6.7	423	>1000	1.5	
Sampling Date: 9/14/66 Sampling Time: /330 Sample I.D.: MW - 15 Laboratory: Lancaster Other Analyzed for: TH-D w/sec TPH-D BTEX MTBE EDB EDC Oxy's(5) Ethanol 8260 full list Methanol PAH's Total Lead Diss. Lead Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other: D.O. (if req'd): Pre-purge: Post-purge:		·					
Sampling Date: 9/14/66 Sampling Time: /336 Sample I.D.: MW - 16 Laboratory: Lancaster Other Analyzed for: TH-D w/sec TPH-0 BTEX MTBE EDB EDC Oxy's(5) Ethanol 8260 full list Methanol PAH's Total Lead Diss. Lead Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other: D.O. (if req'd): Pre-purge: Post-purge:							
Analyzed for: Thi-D w/sec TPH-D ETEX (MTBE EDB EDC Oxy's(5) Ethanol 8260 full list Methanol PAH's Total Lead Diss. Lead Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other: D.O. (if req'd): Pre-purge: Post-purge:	Did well o	lewater?	Yes	<u> </u>	Gallons actuall	y evacuated:	1,5
Analyzed for: Thi-D w/sec TPH-D ETEX (MTBE EDB EDC Oxy's(5) Ethanol 8260 full list Methanol PAH's Total Lead Diss. Lead Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other: D.O. (if req'd): Pre-purge: Post-purge:	Sampling	Date: 9	114/00	6	Sampling Time	: 1330	
Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other: D.O. (if req'd): Pre-purge: Pre-purge: Post-purge:	Sample I.	D.: MW	- 15		•		her
D.O. (if req'd): Pre-purge: mg/L Post-purge:	Analyzed	for: TH-I	W/ SEC TPH-0	BTEX MTBE EDB EI	DC Oxy's(5) Ethanol 826	0 full list Methanol PAH's	Total Lead Diss. Lead
	Duplicate	I.D.:		Analyzed for:			Other:
O.R.P. (if reg'd): Pre-purge: mV. Post-purge:	D.O. (if re	eq'd):		Pre-purge:	mg/ _L	Post-purge:	mg/ _L
Two parge.	O.R.P. (if	req'd):		Pre-purge:	mV	Post-purge:	- mV-



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ANALYTICAL RESULTS

Prepared for:

ChevronTexaco 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1005843. Samples arrived at the laboratory on Friday, September 15, 2006. The PO# for this group is 0015005273 and the release number is THURMAN.

Client Description	<u>Lancaster Labs Number</u>
MW-12 Water Sample	4865830
MW-13 Water Sample	4865831
MW-14 Water Sample	4865832
MW-15 Water Sample	4865833
TB Water Sample	4865834

ELECTRONIC COPY TO ELECTRONIC COPY TO Cambria Environmental

Attn: Andrea Petrusky

NIC Cambria Environmental

Attn: Anni Kreml



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Questions? Contact your Client Services Representative Angela M Miller at (717) 656-2300

Respectfully Submitted,

Maria S. Lord Senior Specialist



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Lancaster Laboratories Sample No. WW 4865830

MW-12 Water Sample Facility# 94511

617 NW Richmond Beach Rd. - Shoreline, WA Collected:09/14/2006 13:50 by DU

Account Number: 10880

Submitted: 09/15/2006 09:10

Reported: 09/26/2006 at 15:50

Discard: 10/27/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

RBS12

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	530.	87.	ug/l	1
02096	Heavy Range Organics	n.a.	260.	110.	ug/l	1
08273	TPH by NWTPH-Gx waters					
01645	TPH by NWTPH-Gx waters	n.a.	1,000.	48.	ug/l	1
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	2.	0.5	ug/l	1
05401	Benzene	71-43-2	19.	0.5	ug/l	1
05407	Toluene	108-88-3	0.6	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	1.	0.5	ug/1	1
06310	Xylene (Total)	1330-20-7	0.7	0.5	ug/l	1

State of Washington Lab Certification No. C259

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

			Analysis		Dilution
Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	09/21/2006 16:17	Matthew E Barton	1
TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	09/19/2006 18:55	Steven A Skiles	1
BTEX+MTBE by 8260B	SW-846 8260B	1	09/20/2006 04:24	Kelly E Brickley	1
GC VOA Water Prep	SW-846 5030B	1	09/19/2006 18:55	Steven A Skiles	1
GC/MS VOA Water Prep	SW-846 5030B	1	09/20/2006 04:24	Kelly E Brickley	1
Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	09/20/2006 03:45	Sherry L Morrow	1
	TPH by NWTPH-Dx(water) w/SiGel TPH by NWTPH-Gx waters BTEX+MTBE by 8260B GC VOA Water Prep GC/MS VOA Water Prep Extraction - DRO Water	TPH by NWTPH-Dx (water) w/SiGel modified TPH by NWTPH-Gx waters ECY 97-602 NWTPH-Gx modified BTEX+MTBE by 8260B SW-846 8260B GC VOA Water Prep SW-846 5030B GC/MS VOA Water Prep SW-846 5030B Extraction - DRO Water ECY 97-602 NWTPH-Dx	TPH by NWTPH-Dx(water)	Analysis Name Method Trial# Date and Time TPH by NWTPH-Dx(water) ECY 97-602 NWTPH-Dx 1 09/21/2006 16:17 w/SiGel modified TPH by NWTPH-Gx waters ECY 97-602 NWTPH-Gx 1 09/19/2006 18:55 modified BTEX+MTBE by 8260B SW-846 8260B 1 09/20/2006 04:24 GC VOA Water Prep SW-846 5030B 1 09/19/2006 18:55 GC/MS VOA Water Prep SW-846 5030B 1 09/20/2006 04:24 Extraction - DRO Water ECY 97-602 NWTPH-Dx 1 09/20/2006 03:45	Analysis Name Method Trial# Date and Time Analyst TPH by NWTPH-Dx(water) ECY 97-602 NWTPH-Dx 1 09/21/2006 16:17 Matthew E Barton modified TPH by NWTPH-Gx waters ECY 97-602 NWTPH-Gx 1 09/19/2006 18:55 Steven A Skiles modified BTEX+MTBE by 8260B SW-846 8260B 1 09/20/2006 04:24 Kelly E Brickley GC VOA Water Prep SW-846 5030B 1 09/19/2006 18:55 Steven A Skiles GC/MS VOA Water Prep SW-846 5030B 1 09/20/2006 04:24 Kelly E Brickley Extraction - DRO Water ECY 97-602 NWTPH-Dx 1 09/20/2006 03:45 Sherry L Morrow



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Lancaster Laboratories Sample No. WW 4865831

MW-13 Water Sample Facility# 94511

617 NW Richmond Beach Rd. - Shoreline, WA

Collected:09/14/2006 13:10

Submitted: 09/15/2006 09:10

Reported: 09/26/2006 at 15:51

Discard: 10/27/2006

Account Number: 10880

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

RBS13

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	82.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	100.	ug/l	1
08273	TPH by NWTPH-Gx waters					
01645	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of Washington Lab Certification No. C259

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

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	09/21/2006 16:41	Matthew E Barton	1
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	09/19/2006 19:27	Steven A Skiles	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	09/20/2006 05:13	Kelly E Brickley	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/19/2006 19:27	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/20/2006 05:13	Kelly E Brickley	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	09/20/2006 03:45	Sherry L Morrow	1



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Lancaster Laboratories Sample No. WW 4865832

MW-14 Water Sample Facility# 94511

617 NW Richmond Beach Rd. - Shoreline, WA Collected:09/14/2006 12:50 by DU

Submitted: 09/15/2006 09:10 Reported: 09/26/2006 at 15:51

Discard: 10/27/2006

Account Number: 10880

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

RBS14

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	800.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	1,000.	ug/1	1
	Due to the nature of the sample	matrix, a redu	iced aliquot was	used		
	for analysis. The reporting lim	mits were raise	ed accordingly.		•	
08273	TPH by NWTPH-Gx waters					
01645	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1
06054	BTEX+MTBE by 8260B					
	2.222 27 02002					
02010	Methyl Tertiary Butyl Ether	1634-04-4	2.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of Washington Lab Certification No. C259

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

CAT		•		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	09/21/2006 17:05	Matthew E Barton	1
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	09/19/2006 20:00	Steven A Skiles	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	09/20/2006 22:45	Kelly E Brickley	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/19/2006 20:00	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/20/2006 22:45	Kelly E Brickley	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	09/20/2006 03:45	Sherry L Morrow	1



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Lancaster Laboratories Sample No. WW 4865832

MW-14 Water Sample Facility# 94511 617 NW Richmond Beach Rd. - Shoreline, WA Collected:09/14/2006 12:50

Submitted: 09/15/2006 09:10 Reported: 09/26/2006 at 15:51

Discard: 10/27/2006

RBS14

Account Number: 10880

ChevronTexaco

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Lancaster Laboratories Sample No. WW 4865833

MW-15 Water Sample Facility# 94511

617 NW Richmond Beach Rd. - Shoreline, WA

Collected:09/14/2006 13:30 by DU

Submitted: 09/15/2006 09:10

Reported: 09/26/2006 at 15:51

Discard: 10/27/2006

Account Number: 10880

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

RBS15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095 02096	Diesel Range Organics Heavy Range Organics Due to the nature of the sample for analysis. The reporting lim		=	800. 1,000.	ug/1 ug/1	1
08273	TPH by NWTPH-Gx waters					
01645 06054	TPH by NWTPH-Gx waters BTEX+MTBE by 8260B	n.a.	N.D.	48.	ug/l	1
06054	BIEX+MIBE DY 0200B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of Washington Lab Certification No. C259

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

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	09/21/2006 17:52	Matthew E Barton	1
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	09/19/2006 20:33	Steven A Skiles	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	09/20/2006 23:57	Kelly E Brickley	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/19/2006 20:33	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/20/2006 23:57	Kelly E Brickley	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	09/20/2006 03:45	Sherry L Morrow	ı



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Lancaster Laboratories Sample No. WW 4865833

MW-15 Water Sample Facility# 94511 617 NW Richmond Beach Rd. - Shoreline, WA Collected:09/14/2006 13:30 by DU

Submitted: 09/15/2006 09:10 Reported: 09/26/2006 at 15:51

Discard: 10/27/2006

RBS15

Account Number: 10880

ChevronTexaco 6001 Bollinger Canyon Rd L4310

San Ramon CA 94583



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Lancaster Laboratories Sample No. WW 4865834

TB Water Sample Facility# 94511

617 NW Richmond Beach Rd. - Shoreline, WA

Collected: 09/14/2006

Account Number: 10880

ChevronTexaco

Submitted: 09/15/2006 09:10 Reported: 09/26/2006 at 15:51

6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

Discard: 10/27/2006

RBSTB

Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
TPH by NWTPH-Gx waters					
TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1
BTEX+MTBE by 8260B					
Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
Benzene	71-43-2	N.D.	0.5	ug/l	1
Toluene	108-88-3	N.D.	0.5	ug/l	1
Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1
	TPH by NWTPH-Gx waters TPH by NWTPH-Gx waters BTEX+MTBE by 8260B Methyl Tertiary Butyl Ether Benzene Toluene Ethylbenzene	TPH by NWTPH-Gx waters TPH by NWTPH-Gx waters n.a. BTEX+MTBE by 8260B Methyl Tertiary Butyl Ether 1634-04-4 Benzene 71-43-2 Toluene 108-88-3 Ethylbenzene 100-41-4	Analysis Name CAS Number Result TPH by NWTPH-Gx waters TPH by NWTPH-Gx waters n.a. N.D. BTEX+MTBE by 8260B Methyl Tertiary Butyl Ether 1634-04-4 N.D. Benzene 71-43-2 N.D. Toluene 108-88-3 N.D. Ethylbenzene 100-41-4 N.D.	Analysis Name CAS Number Result Detection Limit TPH by NWTPH-Gx waters TPH by NWTPH-Gx waters n.a. N.D. 48. BTEX+MTBE by 8260B Methyl Tertiary Butyl Ether Penzene 71-43-2 N.D. Toluene 108-88-3 N.D. 0.5 Ethylbenzene 100-41-4 N.D. 0.5	Analysis Name CAS Number Result Detection Limit TPH by NWTPH-Gx waters TPH by NWTPH-Gx waters n.a. N.D. 48. ug/l BTEX+MTBE by 8260B Methyl Tertiary Butyl Ether 1634-04-4 N.D. 0.5 ug/l Benzene 71-43-2 N.D. 0.5 ug/l Toluene 108-88-3 N.D. 0.5 ug/l Ethylbenzene 100-41-4 N.D. 0.5 ug/l

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		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	09/19/2006 11:17	Steven A Skiles	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	09/21/2006 00:21	Kelly E Brickley	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/19/2006 11:17	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/21/2006 00:21	Kelly E Brickley	1



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Quality Control Summary

Client Name: ChevronTexaco Group Number: 1005843

Reported: 09/26/06 at 03:51 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 062620005A Diesel Range Organics Heavy Range Organics	Sample nu N.D. N.D.	umber(s): 0.080 0.10	4865830-48 mg/l mg/l	65833 78		51-113		
Batch number: 06262A07A	Sample nu	ımber(s):	4865830-48	65834				
TPH by NWTPH-Gx waters	N.D.	48.	ug/l	92	87	70-130	5	30
Batch number: D062624AA Methyl Tertiary Butyl Ether Benzene Toluene Ethylbenzene Xylene (Total)	Sample nu N.D. N.D. N.D. N.D. N.D.	umber(s): 0.5 0.5 0.5 0.5 0.5	4865830-48 ug/1 ug/1 ug/1 ug/1 ug/1	65831 88 92 95 89 91		73-119 85-117 85-115 82-119 83-113		
Batch number: Z062634AA Methyl Tertiary Butyl Ether Benzene Toluene Ethylbenzene Xylene (Total)	Sample nu N.D. N.D. N.D. N.D. N.D.	umber(s): 0.5 0.5 0.5 0.5 0.5	4865832-48 ug/1 ug/1 ug/1 ug/1 ug/1	65834 86 90 93 91		73-119 85-117 85-115 82-119 83-113		

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

Analysis Name	MS %REC	MSD <u>%REC</u>	MS/MSD Limits	RPD	RPD <u>MAX</u>	BKG Conc	DUP <u>Conc</u>	DUP <u>RPD</u>	Dup RPD <u>Max</u>
Batch number: 062620005A Diesel Range Organics Heavy Range Organics	Sample	number	(s): 4865830	-486583	33 BKG	: 4865833 N.D. N.D.	N.D. N.D.	0 (1) 0 (1)	20 20
Batch number: 06262A07A TPH by NWTPH-Gx waters	Sample 96	number	(s): 4865830 63-154	-486583	34 UNSP	K: P865826			
Batch number: D062624AA Methyl Tertiary Butyl Ether Benzene Toluene Ethylbenzene Xylene (Total)	Sample 100 106 109 105 104	number 105 109 111 109 109	(s): 4865830 69-127 83-128 83-127 82-129 82-130	-486583 5 3 2 4 4	30 30 30 30 30 30 30	K: P865824			
Batch number: Z062634AA Methyl Tertiary Butyl Ether Benzene	Sample 94 101	number 93 102	(s): 4865832 69-127 83-128	-486583 1 1	34 UNSP 30 30	K: 4865832			

*- Outside of specification

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



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Quality Control Summary

Client Name: ChevronTexaco

Group Number: 1005843

Reported: 09/26/06 at 03:51 PM

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		RPD	BKG	DUP	DUP .	Dup RPD
Analysis Name	%REC	%REC	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	Conc	<u>Conc</u>	RPD	<u>Max</u>
Toluene	105	107	83-127	2	30		•		
Ethylbenzene	102	105	82-129	3	30				
Xylene (Total)	106	108	82-130	2	30				

Surrogate Quality Control

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

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel Batch number: 062620005A Orthoterphenyl

1005000	100	<u> </u>	 		
4865830	102				
4865831	98				
4865832	97				
4865833	87				
Blank	97				
DUP	98				
LCS	101				
Limits:	50-150		 	<u></u>	·

Analysis Name: TPH by NWTPH-Gx waters Batch number: 06262A07A Trifluorotoluene-F

4865830	93	
4865831	89	
4865832	90	
4865833	90	
4865834	92	
Blank	91	
LCS	99	
LCSD	100	
MS	95	

Limits: 63-135

Analysis Name: BTEX+MTBE by 8260B

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4865830	100	88	93	110
4865831	98	92	92	91
Blank	95	91	94	88
LCS	94	93	93	96
MS	97	90	95	102
MSD	98	90	96	101

*- Outside of specification

(2) The background result was more than four times the spike added.

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



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 *717-656-2300 Fax; 717-656-2681 * www.lancasterlabs.com

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Quality Control Summary

Client Name: ChevronTexaco

Group Number: 1005843

Reported: 09/26/06 at 03:51 PM

Surrogate Quality Control

		<u></u>		
Limits: 80-116		77-113	80-113	78-113
	Name: BTEX+MTBE by 8260B ber: Z062634AA			
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4865832	103	97	101	94
4865833	103	97	102	95
4865834	103	97	100	94
Blank	101	97	102	95
LCS	100	97	101	100
MS	101	96	101	100
MSD	101	97	102	102
Limits:	80-116	77-113	80-113	78-113

^{*-} Outside of specification

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

⁽²⁾ The background result was more than four times the spike added.

CHAIN OF CUSTODY FORM

		Altorniiei	ıtal manager	nent Company =			<u> </u>	Jai	No	IIIOII,	77	<u> </u>	703-		-		<i>:</i> 00	OT
Chevron Site Number:				Chevron Consulta	nt: <u>Cambria Enviro</u>	nmental Technology	1	H	d			NALY	SES	REC		ED	T Pr	eservation Codes
Program Designation: MT2-2			Address: 8260 Holly Drive, Suite 210 Everett, WA 98208								-			П	1	1	ICL T= Thiosulfate	
Site Address (street, city, state / county): 617 NW Richmond			Consultant Contact: Andrea Petrusky														HOS B = NaOH	
Beach Road, Shoreline, WA / King			Consultant Phone No. (425)353-6670 x.105														H ₂ SO ₄ O = Other	
Chevron PM: Dana Thurman			Consultant Project No. 060914 DK2						B				1			CC	0880) 1. # 100584	
Chevron PM Phone No	o.: <u>(925)84</u>	<u>2-9559</u>		Sampling Company: Blaine Tech Services						ЕТВЕП							py	# 100584
☐ Retail and Terminal		Unit (RTBU) Job	Sampled By (Print): Dan loskela		2 <u>R</u>						1	1			SO	mple# 865830-34	
☐ Construction/Retail Job			Sampler Signature: La Landela		37-60			TAMED							L.,			
Charge Code: NWRTB-0094511-0-OML NWRTB 00SITE NUMBER-0- OML WBS ELEMENTS:			Lancaster Laboratories	Other Lab	Temp. Blank Check Time Temp.	CLEANUP (97-602M)			TBACITA FULL LISTO	;						Sp	ecial Instructions	
SITE ASSESSMENT: A1L SITE MONITORING: OML			ion: R5L L Monitoring: M1 L	2425 New Holland Pike Lencaster PA 17605 Contact: Angela Miller (717) 656-2308 x.1903			SILICA GEL	15M)	BTEXES MTBER	EDBO EDCO T	METHANOL (8015M)	PAH'S (8270 SIM)	TOTAL LEAD (6020)	DISSOLVED LEAD (6020).				
•	CAMPI		· · ·				- ≥	8			S S	(827	<u> </u>	🚆				
Field Point Name	SAMPL Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	TPH-D	TPH-G (8015M)	8260B	8260B	METH	PAH'S	TOTA	DISSC			No	otes/Comments
MW-12	w	NA	860914	1350	8		×	X	ď								$oxed{oxed}$	
MW-13		NA		1310	8		×	X	×	_			$oxed{oxed}$	_			 	
uw-14		NA		1250	8		X	K	 			L	<u> </u>	<u> </u>	1_1	_	\bot	
MW-15		NA		1330	8		14	×	4		_	Ŀ_			Ш	\perp		
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Lancaster Laboratories Explanation of Symbols and Abbreviations

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

N.D.	none detected	B MQ L	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	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	Ĭ	liter(s)
mĬ	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml

- less than The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.
- > greater than
- ppm parts per million One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.
- ppb parts per billion
- Dry weight Basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

Inorganic Qualifiers

Α	TIC is a possible aldol-condensation product	В	Value is <crdl, but="" th="" ≥idl<=""></crdl,>
В	Analyte was also detected in the blank	Ε	Estimated due to interference
С	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quatitated on a diluted sample	Ņ	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		
X,Y,Z	Defined in case narrative		

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

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

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