

# GETTLER-RYAN INC. GEATTLE

TRANSMITTAL

February 14, 2005 G-R #386750

TO:

Ms. Romy Freier-Coppinger

SAIC

18706 North Creek Parkway, Suite 110

Bothell, Washington 98011

RECEIVED

MAR 1 4 2005

DEPT OF ECOLOGY

FROM:

Deanna L. Harding

Project Coordinator Gettler-Ryan Inc.

6747 Sierra Court, Suite J Dublin, California 94568

**RE:** Former Chevron Service Station

#209335

1225 North 45th Street Seattle, Washington

#### WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	February 10, 2005	Groundwater Monitoring and Sampling Report Event of March 31, 2004 Event of June 28, 2004 Event of September 29, 2004 Event of January 4, 2005 And Monthly Site Visits

#### COMMENTS:

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to March 4, 2005, at which time the final report will be distributed to the following:

Mr. Brett Hunter, ChevronTexaco Company, P.O. Box 6012, Room K2252, San Ramon, CA 94583 cc: Mr. John Wietfeld, WDOE Northwest Region, Toxics Cleanup Program, 3190 160th Avenue S.E., Bellevue, WA 98008

Mr. Larry Hard, Seattle Housing Authority, 120 Sixth Avenue North, Seattle, WA 98109-5003

☐ Current Site Check List included.

Enclosure

trans/209335-BH



February 10, 2005 Job #386750

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

RE: Event of March 31, 2004

> Event of June 28, 2004 Event of September 29, 2004 Event of January 4, 2005 And Monthly Site Visits

Groundwater Monitoring & Sampling Report Former Chevron Service Station #209335

1225 North 45th Street Seattle, Washington

#### Dear Mr. Hunter:

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

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were present in two wells (MW-2 and MW-4). Static water level data and groundwater elevations are presented in Table 1. Separate Phase Hydrocarbon Thickness/Removal Data is presented in Table 2. Potentiometric Maps are included as Figures 1, 2, 3, and 4.

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. The chain of custody document and laboratory analytical reports are attached.

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

Sincerely,

Deanna L. Harding **Project Coordinator** 

Robert A. Laury

Robert A. Lauritzen

Senior Geologist, R.G. No. 829

Hydrogeologist ensed Geo Robert A. Lauritzen Figure 1:

Figure 2:

Potentiometric Map - March 31, 2004 Potentiometric Map - June 28, 2004 Potentiometric Map - September 29, 2004 Potentiometric Map - January 4, 2005 Groundwater Monitoring Data and Analytical Results

Figure 3: Figure 4:

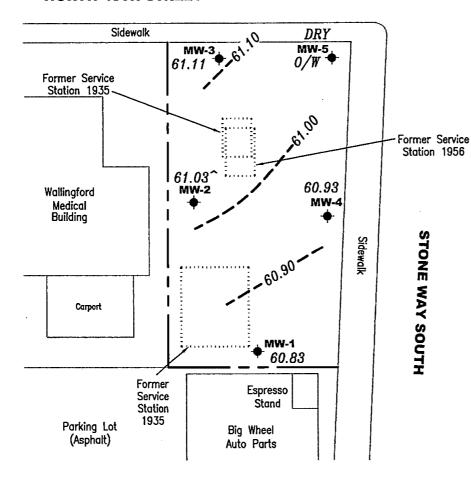
Table 1: Table 2:

Separate Phase Hydrocarbon Thickness/Removal Data Standard Operating Procedure - Groundwater Sampling

Attachments:

Field Data Sheets

Chain of Custody Document and Laboratory Analytical Reports



**EXPLANATION** 

Groundwater monitoring well

99.99 Groundwater elevation in feet referenced to an arbitrary datum

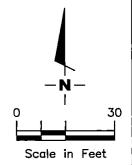
Groundwater elevation contour, dashed where inferred.

> Groundwater elevation corrected for the presence of SPH

0/W Obstruction in Well



Approximate groundwater flow direction at a gradient of 0.003 to 0.004 Ft./Ft.



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

REVIEWED BY



POTENTIOMETRIC MAP

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

DATE

March 31, 2004

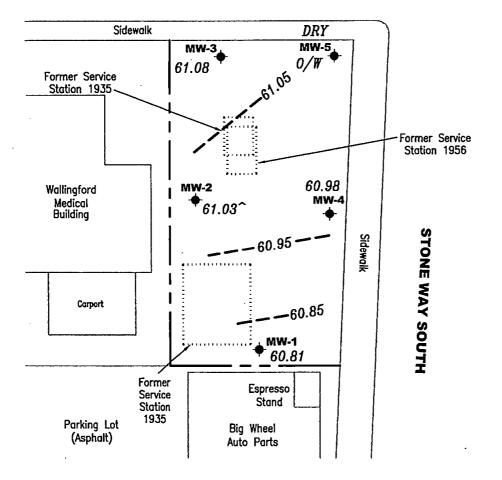
FIGURE

386750

PROJECT NUMBER

REVISED DATE

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#### **EXPLANATION**

Groundwater monitoring well

99.99 Groundwater elevation in feet referenced to an arbitrary datum

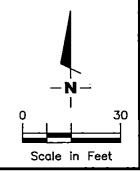
99.99 Groundwater elevation contour, dashed where inferred.

Groundwater elevation corrected for the presence of separate phase hydrocarbons

0/W Obstruction in Well



Approximate groundwater flow direction at a gradient of 0.002 to 0.004 Ft./Ft.



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



POTENTIOMETRIC MAP

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

REVISED DATE

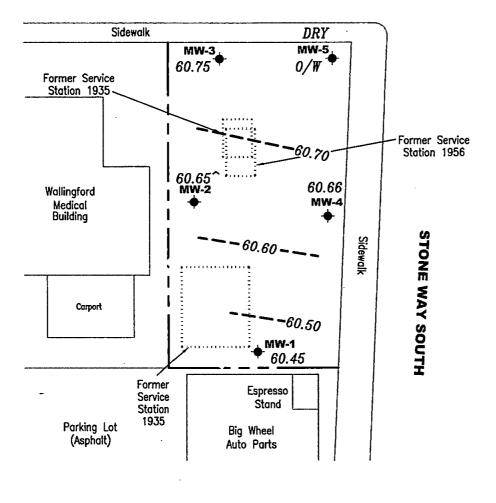
PROJECT NUMBER 386750

REVIEWED BY

DATE June 28, 2004

FILE NAME: P:\Enviro\Chevron\209335\Q04-209335.dwg | Layout Tob: Pot2

FIGURE 2



#### **EXPLANATION**

Groundwater monitoring well

99.99 Groundwater elevation in feet referenced to an arbitrary site datum

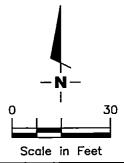
Groundwater elevation contour, dashed where inferred

> Groundwater elevation corrected for the presence of separatephase hydrocarbons

0/W Obstruction in Well



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



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

REVIEWED BY



POTENTIOMETRIC MAP

DATE

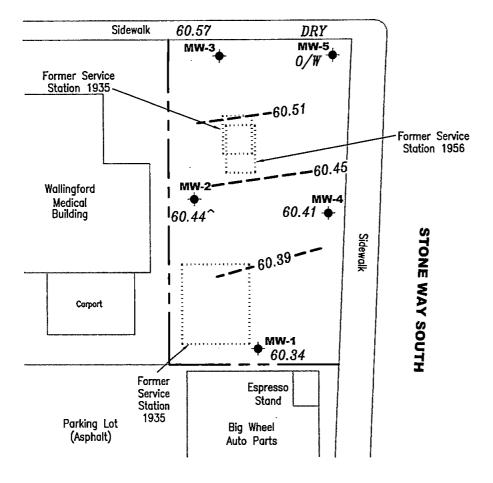
Former Chevron Service Station #209335 1225 North 45th Street Seattle, Washington

REVISED DATE September 29, 2004

386750 FILE NAME: P:\Enviro\Chevron\209335\QQ4-209335.dwg | Layout Tab: Pot3

PROJECT NUMBER

FIGURE



#### **EXPLANATION**

Groundwater monitoring well

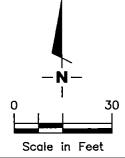
Groundwater elevation in feet 99.99 referenced to an arbitrary site datum

Groundwater elevation contour, dashed where inferred

> Groundwater elevation corrected for the presence of separatephase hydrocarbons

0/W Obstruction in Well

> Approximate groundwater flow direction at a gradient of 0.002 to 0.003 Ft./Ft.



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



POTENTIOMETRIC MAP

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

PROJECT NUMBER REVIEWED BY 386750

DATE January 4, 2005 REVISED DATE

FILE NAME: P:\Enviro\Chevron\209335\Q04-209335.dwg | Layout Tab: Pot1-05

FIGURE

### Table 1 Groundwater Monitoring Data and Analytical Results

							٠	scattic, wasii	ington			<u> </u>			
WELL ID/		TOC*	DTP	DTW	SPHT	GWE	TPH-D	трн-о	TPH-G	В	T	E	X	MTBE	D. Lead
DATE		(fi.)	(ft.)	(ft.)	(fi.)	(1.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)
			•												
MW-1															
10/11/00 <sup>1</sup>		97.95		34.50		63.45							-	 	 2104
12/16/00		97.95		35.91	0.00	62.04	$ND^{2,3}$	$ND^{2,3}$	74.4	ND	ND	ND	ND	ND	ND⁴
03/26/01		97.95		36.54	0.00	61.41	$ND^3$	$ND^3$	ND	ND	ND	ND	ND	ND	
06/25/01		97.95		36.78	0.00	61.17	<281 <sup>3</sup>	<842 <sup>3</sup>	<50.0	< 0.500	< 0.500	<0.500	<1.00		
09/24/01		97.95		37.14	0.00	60.81	<250 <sup>3,8</sup>	$<500^{3,8}$	<50.0	< 0.500	< 0.500	< 0.500	<1.00		
12/13/01		97.95		37.25	0.00	60.70	<250 <sup>3</sup>	<500 <sup>3</sup>	<80.0	< 0.500	< 0.500	< 0.500	<1.00		
03/08/02	NP	97.95		36.79	0.00	61.16	<250 <sup>3</sup>	<750 <sup>3</sup>	<50	< 0.50	< 0.50	< 0.50	<1.5		
05/29/02		97.95		36.44	0.00	61.51	SAMPLED S	EMI-ANNUA	LLY						
09/16/02	NP	97.95		36.71	0.00	61.24	<250 <sup>3</sup>	<250 <sup>3</sup>	<50	< 0.50	< 0.50	< 0.50	<1.5		
12/05/02		97.95		37.09	0.00	60.86	SAMPLED S	EMI-ANNUA	LLY		·				
03/04/03	NP	97.95		37.26	0.00	60.69	<250 <sup>3</sup>	<250 <sup>3</sup>	100	< 0.50	< 0.50	< 0.50	<3.0		
06/03/03		97.95		37.09	0.00	60.86	SAMPLED S	EMI-ANNUA	LLY						
10/27/03		97.95		37.42	0.00	60.53	NOT SAMPI	ED DUE TO	INSUFFICIE	NT WATER					
03/31/04	NP	97.95		37.12	0.00	60.83	<800 <sup>3</sup>	<1,000 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<1.5		
06/28/04		97.95		37.14	0.00	60.81	SAMPLED S	SEMI-ANNU	ALLY						
09/29/04		97.95		37.50	0.00	60.45	NOT SAMP	LED DUE TO	) INSUFFICI	ENT WATER				·	
01/04/05		97.95		37.61	0.00	60.34	SAMPLED S	SEMI-ANNU	ALLY						
MW-2															
10/11/00 <sup>1</sup>		98.70		34.50		64.20									
12/16/00		98.70		36.46	0.00	62.24	1,000 <sup>3</sup>	$ND^3$	28,100	283	2,560	693	4,020	$ND^2$	$0.00194^4$
03/26/01		98.70		37.12	0.00	61.58	1,180 <sup>3,5</sup>	$ND^3$	17,000	143	1,450	378	2,180	<sup>2</sup> ND/ND <sup>6</sup>	
06/25/01		98.70		37.37	0.00	61.33	418 <sup>3,5</sup>	<750 <sup>3</sup>	11,700	92.3	547	181	1,010		
09/24/01		98.70		37.72	0.00	60.98	4,840 <sup>3,7,8</sup>	<557 <sup>3,8</sup>	22,100	120	1,380	658	4,100		
12/13/01		98.70		37.89	0.00	60.81	5,540 <sup>3,5</sup>	$<500^{3}$	84,000	185	3,960	1,590	9,950		
03/08/02		98.70	37.24	38.00	0.76	61.31***	NOT SAMPI	LED DUE TO	THE PRESEN	NCE OF SPH					
05/29/02		98.70	36.81	37.54	0.73	61.74***	NOT SAMPI	LED DUE TO	THE PRESE	NCE OF SPH					
09/16/02		98.70	37.19	37.61	0.42	61.43***	NOT SAMP	LED DUE TO	THE PRESE	NCE OF SPH					
10/15/02		98.70	37.24	37.68	0.44	61.37***									
11/22/02		98.70	37.12	37.63	0.51	61.48***									
12/05/02		98.70	37.51	38.10	0.59	61.07***	NOT SAMP	LED DUE TO	THE PRESE	NCE OF SPH					
01/28/03		98.70	36.77	37.33	0.56	61.82***									

### Table 1 Groundwater Monitoring Data and Analytical Results

												~ <del></del>		Transcriptor and
WELL:ID/	::TOC*	DTP	DTW	SPHT	GWE	TPH-D	ТРН-О	TPH-G	В	T	E	X	MTBE	D. Lead
DATE	(ft.)	(ft.)	(fi.)	(fi)	(ft.)	(ppb)	(pph)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)
MW-2 (cont)														
02/13/03	98.70	37.44	38.02	0.58	61.14***				·			<b></b>		
03/04/03	98.70		SIBLE - VE	HICLE PA		ER WELL								
04/21/03	98.70	37.21	37.78	0.57	61.38***									<del></del>
05/08/03	98.70	37.43	37.94	0.51	61.17***				<b></b>					<b></b>
06/03/03	98.70	37.37	37.91	0.54	61.22***	NOT SAMPL	LED DUE TO	THE PRESEN	ICE OF SPH					
07/06/03	98.70	36.96	37.51	0.55	61.63***									
08/18/03	98.70	37.49	38.02	0.53	61.10***									
10/27/03	98.70	37.54	39.98	2.44	60.67**	NOT SAMPI	LED DUE TO	THE PRESEN	ICE OF SPH					
11/17/03	98.70	37.10	37.58	0.48	61.50**									
12/31/03	98.70	36.18	38.19	2.01	62.12**									
02/09/04	98.70	37.00	37.49	0.49	61.60**									
03/04/04	98.70	35.85	37.06	1.21	62.61**							<del></del>		
03/31/04	98.70	37.32	39.05	1.73	61.03**	NOT SAMP	LED DUE TO	THE PRES	ENCE OF SPI	H				
06/28/04	98.70	37.32	39.05	1.73	61.03**	NOT SAMP	LED DUE TO	THE PRES	ENCE OF SPI	H				
09/11/04	98.70	37.65	39.10	1.45	60.76**									
09/29/04	98.70	37.71	39.39	1.68	60.65**	NOT SAMP	LED DUE TO	THE PRES	ENCE OF SPI	H				
11/22/04	98.70	36.89	38.16	1.27	61.56**									
01/04/05	98.70	37.88	39.80	1.92	60.44**	NOT SAMP	LED DUE TO	THE PRES	ENCE OF SPI	н				
01/04/05	70170	27100	2,100	1.52										
MW-3														
10/11/00 <sup>1</sup>	98.76		34.00		64.76									4
12/16/00	98.76		36.39	0.00	62.37	$ND^3$	$ND^3$	ND	ND	0.612	ND	1.95	ND	ND⁴
03/26/01	98.76		37.05	0.00	61.71	$ND^3$	ND <sup>3</sup>	ND	ND	ND	ND	ND	ND	
06/25/01	98.76		37.29	0.00	61.47	$<250^{3}$	$< 750^3$	<50.0	< 0.500	< 0.500	< 0.500	<1.00		
09/24/01	98.76		37.64	0.00	61.12	<250 <sup>3,8</sup>	<500 <sup>3,8</sup>	<50.0	< 0.500	< 0.500	< 0.500	<1.00		
12/13/01	98.76		37.78	0.00	60.98	<250 <sup>3</sup>	<500 <sup>3</sup>	<80.0	< 0.500	< 0.500	< 0.500	<1.00		
03/08/02 NP	98.76		37.28	0.00	61.48	$<250^{3}$	<750 <sup>3</sup>	320	< 0.50	0.64	2.1	15		
05/29/02	98.76		36.92	0.00	61.84	SAMPLED S	SEMI-ANNUA	LLY						
09/16/02 NP	98.76		37.21	0.00	61.55	<250 <sup>3</sup>	$<250^3$	<50	< 0.50	< 0.50	< 0.50	<1.5		
12/05/02	98.76		37.58	0.00	61.18	SAMPLED S	SEMI-ANNUA	LLY						
03/04/03 NP	98.76		37.79	0.00	60.97	<250 <sup>3</sup>	<250 <sup>3</sup>	<50	<0.50	< 0.50	< 0.50	<1.5		
06/03/03	98.76		37.68	0.00	61.08	SAMPLED S	SEMI-ANNUA							

Table 1
Groundwater Monitoring Data and Analytical Results

								•							
WELLID	/:::::::::	TOC*	DTP	DTW	SPHT	GWE	TPH-D	TPH-O	TPH-G	В	Т	E	<b>X</b>	MTBE	D. Lead
DATE		(ft.)	(fi.)	(fi.)	(ft.)	(fi.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)
														•	
MW-3 (co	nt)														
10/27/03	NP	98.76		38.00	0.00	60.76	$<250^{3}$	<250 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<1.5		
03/31/04	NP	98.76		37.65	0.00	61.11	<800 <sup>3</sup>	<1,000 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<1.5		
06/28/04		98.76		37.68	0.00	61.08		SEMI-ANNU	ALLY						
09/29/04	NP	98.76		38.01	0.00	60.75	<250 <sup>3</sup>	<250 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<1.5		
01/04/05		98.76		38.19	0.00	60.57	SAMPLED S	SEMI-ANNU	ALLY						
MW-4															
10/11/00 <sup>1</sup>		98.52		35.00		63.52									
12/16/00		98.52		36.35	0.00	62.17	$ND^{2,3}$	$ND^{2,3}$	58,200	326	5,520	1,430	8,520	ND <sup>2</sup>	0.01234
03/26/01		98.52		37.00	0.00	61.52	$266^{3,5}$	$ND^3$	27,200	178	2,160	785	4,160	<sup>2</sup> ND/ND <sup>6</sup>	
06/25/01		98.52		37.25	0.00	61.27	<250 <sup>3</sup>	$<750^{3}$	12,300	69.0	654	416	1,910		
09/24/01		98.52		37.60	0.00	60.92	<250 <sup>3,8</sup>	$<500^{3.8}$	4,130	30.1	154	197	684		
12/13/01		98.52		37.72	0.00	60.80	$<250^{3}$	<500 <sup>3</sup>	5,490	30.3	175	177	679		
03/08/02	NP	98.52		38.36	0.00	60.16	$<250^{3}$	<750 <sup>3</sup>	9,000	<50	150	170	710		
05/29/02	NP	98.52		36.86	0.00	61.66	$<250^3$	<750 <sup>3</sup>	6,700	22	150	190	780		
08/07/02		98.52		36.92	0.00	61.60									
09/16/02	NP	98.52		37.16	0.00	61.36	<250 <sup>3</sup>	<250 <sup>3</sup>	7,500	46	230	240	630		
12/05/02	NP	98.52		37.53	0.00	60.99	$<250^{3}$	<250 <sup>3</sup>	14,000	73	400	540	1,500		
03/04/03		98.52	36.68	36.71	0.03	61.83***	NOT SAMPI	LED DUE TO	THE PRESEN	CE OF SPH					
06/03/03		98.52	36.59	36.63	0.04	61.92***	NOT SAMPI	LED DUE TO	THE PRESEN	CE OF SPH					
07/06/03		98.52	36.90	36.93	0.03	61.61***									
08/18/03		98.52	36.76	36.80	0.04	61.75***									
10/27/03	NP	98.52		37.96	0.00	60.56	<400 <sup>3</sup>	<500 <sup>3</sup>	2,200	16	55	76	170		
11/17/03		98.52	36.34	36.37	0.03	62.17**									
12/31/03		98.52	<b></b> .	36.88	0.00	61.64						<del></del>			

### Table 1 Groundwater Monitoring Data and Analytical Results

						_									***************************************
WELL ID	<i>[</i> :::::::::	TOC*	DTP	DTW	SPHT	GWE	TPH-D	TPH-O	TPH-G	В	<b>T</b>	E	X	MTBE	D. Lead
DATE		(fi.)	(ft.)	(fi.)	(ft.)	(fi)	(ppb)	(pph)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)
MW-4 (co	nt)														
02/09/04		98.52	36.14	36.17	0.03	62.37**									
03/04/04		98.52		36.74	0.00	61.78	_					-			
03/31/04	NP	98.52		37.59	0.00	60.93	<250 <sup>3</sup>	$<250^{3}$	3,900	14	96	110	340		
06/28/04	NP	98.52		37.54	0.00	60.98	$<250^{3}$	$<250^{3}$	1,600	8.5	15	59	110		
09/11/04		98.52	37.78	37.81	0.03	60.73**						-			
09/29/04	NP	98.52		37.86	0.00	60.66	<250 <sup>3</sup>	$<250^{3}$	1,500	18	40	76	170		
11/22/04		98.52		36.81	0.00	61.71									
01/04/05	NP	98.52		38.11	0.00	60.41	1,600 <sup>3</sup>	$<250^{3}$	1,600	10	13	60	110		
MW-5			•							•					
10/11/00 <sup>1</sup>		99.42		34.50		64.92									
12/16/00		99.42		37.18	0.00	62.24	5,080 <sup>3</sup>	$ND^3$	146,000	$ND^2$	15,100	4,160	24,100	ND <sup>2</sup>	0.0200 <sup>4</sup>
03/26/01		99.42		37.91	0.00	61.51	77,900 <sup>3,5</sup>	$ND^3$	149,000	256	10,600	4,000	24,200	<sup>2</sup> ND/ND <sup>6</sup>	
06/25/01		99.42		38.14	0.00	61.28	109,000 <sup>3</sup>	<18,100 <sup>3</sup>	127,000	210	9,580	3,730	21,500		
09/24/01		99.42	38.40	38.44	0.04	61.01***	NOT SAMPL	ED DUE TO	THE PRESEN	CE OF SPH					
12/13/01		99.42	38.55	38.59	0.04	60.86***	NOT SAMPL	ED DUE TO	THE PRESEN	ICE OF SPH					
03/08/02		99.42	37.96	38.46	0.50	61.36***	NOT SAMPL	ED DUE TO	THE PRESEN	ICE OF SPH					
05/29/02		99.42	37.60	38.05	0.45	61.73***	NOT SAMPL	ED DUE TO	THE PRESEN	ICE OF SPH					
08/07/02		99.42	37.73	38.12	0.39	61.61***									
09/16/02		99.42	38.00	38.39	0.39	61.34***	NOT SAMPL	ED DUE TO	THE PRESEN	ICE OF SPH					
10/15/02		99.42	38.09	38.47	0.38	61.25***									
11/22/02		99.42	37.84	38.26	0.42	61.50***									
12/05/02		99.42	38.42	38.78	0.36	60.93***	NOT SAMPL	ED DUE TO	THE PRESEN	ICE OF SPH					
01/28/03		99.42	37.88	38.24	0.36	61.47***									
02/13/03		99.42	38.33	38.68	0.35	61.02***									
03/04/03		99,42	37.54	37.89	0.35	61.81***	NOT SAMPL	ED DUE TO	THE PRESEN	ICE OF SPH					
04/21/03		99.42	37.96	38.29	0.33	61.39***									
05/08/03		99.42	38.50	38.82	0.32	60.86***									
06/03/03		99.42	37.42	37.76	0.34		NOT SAMPI	ED DUE TO	THE PRESEN	ICE OF SPH					
07/06/03		99.42	37.77	38.11	0.34	61.58***	<b></b>								
08/18/03		99.42	38.54	38.86	0.32	60.82***									
10/27/03		99.42		RY/OBSTRU											
					<b></b>										

### Table 1 Groundwater Monitoring Data and Analytical Results

WELL/ID/	TOC*	DTP	DTW	SPHT	GWE	TPH-D	трн-о	TPH-G	В	$\mathbf{r}$	E	X	MTBE	D. Lead
DATE	(ft.)	(ft.)	(fi.)	(fl.)	(fi.)	(ррь)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)
MW-5 (cont)														
11/17/03	99.42	37.87	38.17	0.30	61.49**									
12/31/03	99.42	WELL DRY											<del></del>	
02/09/04	99.42	WELL DR				-								
03/04/04	99.42	WELL DR	Y/OBSTR	UCTED										
03/31/04	99.42	WELL DR	Y/OBSTR	UCTED										
06/28/04	99.42	WELL DR	Y/OBSTR	UCTED					-					
09/11/04	99.42	WELL DR	Y/OBSTR	UCTED										
09/29/04	99.42	WELL DR	Y/OBSTR	UCTED										
11/22/04	99.42	WELL DR	Y/OBSTR	UCTED				·						
01/04/05	99.42	WELL DR	Y/OBSTR	UCTED						•				
TRIP BLANK														
12/16/00								ND	ND	ND	ND	ND	ND	
03/26/01					4-			ND	ND	ND	ND	ND	ND	
06/25/01								<50.0	< 0.500	< 0.500	< 0.500	<1.00		
09/24/01								<50.0	< 0.500	<0.500	< 0.500	<1.00		
12/13/01								<80.0	< 0.500	< 0.500	< 0.500	<1.00		
								<50	< 0.50	<0.50	<0.50	<1.5		
03/08/02								<50	<0.50	<0.50	<0.50	<1.5		
05/29/02											<0.50	<1.5		
09/16/02								<50	<0.50	<0.50				==
12/05/02								<50	< 0.50	<0.50	< 0.50	<1.5		
03/04/03								<50	<0.50	<0.50	<0.50	<1.5	,	
10/27/03								<50	<0.5	<0.5	<0.5	<1.5		

#### Table 1

#### Groundwater Monitoring Data and Analytical Results

37 <b>32</b> T. 4 - 143 Z - 1 - 1 - 1 - 1	TOCX	· nrp	DTW	SPHT	GWE	TPH-D	TPH-O	TPH-G	В	<b>1</b>	E	X (ppb)	.: MTBE	D. Lead
WELL ID/ DATE	(61)	(6.)	(ft.)	(fL)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)
<u> Affrika an mananan manan</u>	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	<u></u>	,0:2						_					
QA										-0.5	-0.E	<1.5		
03/31/04								<50	<0.5	<0.5	<0.5			
								< 50	<0.5	<0.5	<0.5	<1.5		
06/28/04								<50	<0.5	<0.5	<0.5	<1.5		
09/29/04	_	_					-	<50	<0.5	<0.5	< 0.5	<1.5		
01/04/05								-50	•••	•				

	TPH-D	ТРН-О	TPH-G	В	Т	E	X	MTBE	D. Lead
Standard Laboratory Reporting Limits:		250	50	0.5	0.5	0.5	1.5		0.00100
MTCA Method A Cleanup Levels:		500	800/1,000		1,000	700	1,000	20	
Current Method:		+ Extended	1		NWTPH-G a	nd EPA 8021			EPA 6020

#### Table 1

#### Groundwater Monitoring Data and Analytical Results

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

#### **EXPLANATIONS:**

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

TOC = Top of Casing  (ft.) = Feet  DTP = Depth to Product  DTW = Depth to Water  GWE = Groundwater Elevation  SPH = Separate Phase Hydrocarbon  SPHT = Separate Phase Hydrocarbon Thickness	TPH-O = Total Petroleum Hydrocarbons as Oil TPH-G = Total Petroleum Hydrocarbons as Gasoline B = Benzene T = Toluene E = Ethylbenzene X = Xylenes MTBE = Methyl tertiary butyl ether	(ppb) = Parts per billion (ppm) = Parts per million ND = Not Detected NP = No Purge= Not Measured/Not Analyzed QA = Quality Assurance/Trip Blank MTCA = Model Toxics Control Act Cleanup Regulations
SPHT = Separate Phase Hydrocarbon Thickness TPH-D = Total Petroleum Hydrocarbons as Diesel	D. Lead = Dissolved Lead	[WAC 173-340-720(2)(a)(I), as amended 02/01].

- \* TOC elevations have been provided by Delta Environmental Consultants, Inc. referenced to an assumed datum in feet.
- \*\* GWE has been corrected for the presence of SPH; correction factor = [(TOC DTW) + (SPHT x 0.80)]
- \*\*\* GWE has been corrected for the presence of SPH; correction factor = [(TOC DTP SPHT) + (SPHT x 0.80)]; Historical data has been altered to correct error in original reporting of depth to product as depth to water.
- Data provided by Delta Environmental Consultants, Inc.
- Detection limit raised. Refer to analytical reports.
- TPH-D and TPH-O with silica-gel cleanup.
- Filtered at the laboratory.
- Laboratory report indicates results in the diesel organics range are primarily due to overlap from a gasoline range product.
- <sup>6</sup> MTBE by EPA Method 8260.
- Laboratory report indicates the sample chromatographic pattern does not resemble the fuel standard used for quantitation.
- Laboratory report indicates the sample was prepared outside of the method established holding time.

## Table 2 Separate Phase Hydrocarbon Thickness/Removal Data

WELL ID	DATE	DTP	DTW	SPH THICKNESS	AMOUNT BAILED (SPH+WATER)
		(ft)	(ft.)	(fl.)	(gallons)
			20.00	0.76	2.00
MW-2	03/08/02	37.24	38.00	0.78	2.00
	05/29/02	36.81	37.54		2.00
	09/16/02	37.19	37.61	0.42	2.00
	10/15/02	37.24	37.68	0.44	
	11/22/02	37.12	37.63	0.51	2.00
	12/05/02	37.51	38.10	0.59	2.00
	01/28/03	36.77	37.33	0.56	2.00
ü	02/13/03	37.44	38.02	0.58	2.00
	03/04/03	INACCESSIBLE - VE			2.00
	04/21/03	37.21	37.78	0.57	2.00
	05/08/03	37.43	37.94	0.51	2.00
	06/03/03	37.37	37.91	0.54	2.00
	07/06/03	36.96	37.51	0.55	2.00
	08/18/03	37.49	38.02	0.53	2.00
	10/27/03	37.54	39.98	2.44	2.00
	11/17/03	37.10	37.58	0.48	2.00
	12/31/03	36.18	38.19	2.01	2.00
	02/09/04	37.00	37.49	0.49	2.00
	03/04/04	35.85	37.06	1.21	2.00
	03/31/04	37.32	39.05	1.73	0.00
	06/28/04	37.32	39.05	1.73	2.00
	09/11/04	37.65	39.10	1.45	0.00
	09/29/04	37.71	39.39	1.68	2.00
	11/22/04	36.89	38.16	1.27	2.00
	01/04/05	37.88	39.80	1.92	2.00
		24.40	27.51	0.02	0.33
MW-4	03/04/03	36.68	36.71	0.03	0.33
	06/03/03	36.59	36.63	0.04	0.33
	07/06/03	36.90	36.93	0.03	0.33
	08/18/03	36.76	36.80	0.04	0.00
	10/27/03		37.96	0.00	0.33
	11/17/03	36.34	36.37	0.03	
	12/31/03	<u></u>	36.88	0.00	0.00
	02/09/04	36.14	36.17	0.03	0.33
	03/04/04		36.74	0.00	0.00
	03/31/04		37.59	0.00	0.00
	06/28/04		37.54	0.00	0.00
	09/11/04	37.78	37.81	0.03	0.00
	09/29/04		37.86	0.00	0.00
	11/22/04		36.81	0.00	0.00
	01/04/05		38.11	0.00	0.00

## Table 2 Separate Phase Hydrocarbon Thickness/Removal Data Former Chevron Service Station #209335

1225 North 45th Street Seattle, Washington

WELL ID	DATE	DTP	DTW	SPH THICKNESS	AMOUNT BAILED (SPH+WATER)
		(fi.)	(ft.)	(ft.)	(gallons)
		20.40	20 44	0.04	0.00
MW-5	09/24/01	38.40	38.44 38.59	0.04	0.00
	12/13/01	38.55		0.50	2.00
	03/08/02	37.96	38.46	0.45	2.00
	05/29/02	37.60	38.05		2.00
	08/07/02	37.73	38.12	0.39	2.00
	09/16/02	38.00	38.39	0.39	2.00
	10/15/02	38.09	38.47	0.38	2.00
	11/22/02	37.84	38.26	0.42	
	12/05/02	38.42	38.78	0.36	2.00
	01/28/03	37.88	38.24	0.36	2.00
	02/13/03	38.33	38.68	0.35	2.00
	03/04/03	37.54	37.89	0.35	2.00
	04/21/03	37.96	38.29	0.33	2.00
	05/08/03	38.50	38.82	0.32	2.00
	06/03/03	37.42	37.76	0.34	2.00
	07/06/03	37.77	38.11	0.34	2.00
	08/18/03	38.54	38.86	0.32	2.00
	10/27/03	WELL OBSTRUCTED			
	11/17/03	37.87	38.17	0.30	2.00
	12/31/03	WELL DRY/OBSTRUCTE	D		
	02/09/04	WELL DRY/OBSTRUCT	ED		
	03/04/04	WELL DRY/OBSTRUCT	ED		
	03/31/04	WELL DRY/OBSTRUCT	ED		-
	06/28/04	WELL DRY/OBSTRUCT			
	09/11/04	WELL DRY/OBSTRUCT			
	09/29/04	WELL DRY/OBSTRUCT			
	11/22/04	WELL DRY/OBSTRUCT		<del></del>	-
	01/04/05	WELL DRY/OBSTRUCT			

#### Table 2

#### Separate Phase Hydrocarbon Thickness/Removal Data

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

#### **EXPLANATIONS:**

DTP = Depth to Product

DTW = Depth to Water

(ft.) = Feet

SPH = Separate Phase Hydrocarbons

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

#### STANDARD OPERATING PROCEDURE -GROUNDWATER SAMPLING

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

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

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

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

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

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

### FORMER CHEVRON SERVICE STATION #209335 Seattle, Washington

MONTHLY SITE VISITS OF FEBRUARY 9, 2004 MARCH 4, 2004 SEPTEMBER 11, 2004 NOVEMBER 22, 2004



lient/Facility #:	ChevronTexaco #209	335	Job Number:	386750	
Site Address:	1225 N. 45Th Street		Event Date:	2-9-04	(inclusiv
City:	Seattle, WA		Sampler:	BWN	
Well ID	MW - 2 Da	ate Monitored:	2-9-04	Well Condition	: 0/2
Well Diameter	2 in.				3*= 0.38
Fotal Depth	41.62 ft.	Volume Factor (VF	3/4"= 0.02 F) 4"= 0.66	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	
Depth to Water	37,49 ft.	1 2001 (11	<del>, , , , , , , , , , , , , , , , , , , </del>		
Deptil to water	xVF	= <u>-</u>	x3 (case volume) =	Estimated Purge Volum	e: gal.
		<del> </del>		Time Started:	(2400 hrs) (2400 hrs)
Purge Equipment:		ampling Equipment		Time Bailed: Depth to Product:	
Disposable Bailer		isposable Bailer ressure Bailer		Depth to Water:	37.49f
Stainless Steel Baile		ressure Bailer		Hydrocarbon Thick	ness:ft
Stack Pump		Other:		Visual Confirmation	n/Description:
Suction Pump Grundfos				Skimmer / Absorba	nt Sock (circle one)
Other:				· Amt Removed from	n Skimmer: gal
	<del></del>				
		C.		Product Transferre	d to: Over pack
	<u></u>				
Start Time (purg	ε): We	ather Conditions	:		
Sample Time/Da	\ <del></del>	Water Color	:	Odo:	r:
Campic Times D		*•.			
Purging Flow Ra	ate onm Sedi	ment Description	<b>:</b> .		
Purging Flow Ra		ment Description	Volume:		
Purging Flow Ra Did well de-water		<b>\</b>			
	er? If yes, T	ime:	Volume:	D.O.	ORP (m)()
Did well de-wate	er? If yes, T	ime:	Volume:		ORP (mV)
Did well de-wate	Volume pH	ime:	Volume:	D.O.	
Did well de-wate	Volume pH	ime:	Volume:	D.O.	
Did well de-water Time (2400 hr.)	Volume pH	ime:	Volume:	D.O.	
Did well de-wate	Volume pH	ime:	Volume:	D.O.	
Did well de-water Time (2400 hr.)	Volume pH	ime:	Volume:	D.O.	
Did well de-water Time (2400 hr.)	Volume (gal.) pH	Conductivity (u mhos/cm)	Volume:	D.O.	
Did well de-water	Volume (gal.) pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	(mV)
Did well de-water Time (2400 hr.)	Volume (gal.) pH	Conductivity (umhos/cm)	Temperature (C/F)  FORMATION LABORATOL LANCASTE	D.O. (mg/L)  RY AF  R TPN-G/BTEX/MTE	(mV)
Did well de-water	Volume (gal.) pH  (#) CONTAINER REFRIG	Conductivity (umhos/cm)  ABORATORY INI	Temperature (C/F)  FORMATION  LABORATOI	D.O. (mg/L)  RY AI  R TPN-G/BTEX/MTE	(mV)
Did well de-water	Volume (gal.) pH  (#) CONTAINER REFRIG  x voa vial YES	Conductivity (u mhos/cm)  ABORATORY INI PRESERV. TYPI	Temperature (C/F)  FORMATION LABORATOL LANCASTE	D.O. (mg/L)  RY AF  R TPN-G/BTEX/MTE	(mV)
Did well de-water	Volume (gal.) pH  (#) CONTAINER REFRIG  x voa vial YES	Conductivity (u mhos/cm)  ABORATORY INI PRESERV. TYPI	Temperature (C/F)  FORMATION LABORATOL LANCASTE	D.O. (mg/L)  RY AF  R TPN-G/BTEX/MTE	(mV)
Did well de-water	Volume (gal.) pH  (#) CONTAINER REFRIG  x voa vial YES	Conductivity (u mhos/cm)  ABORATORY INI PRESERV. TYPI	Temperature (C/F)  FORMATION LABORATOL LANCASTE	D.O. (mg/L)  RY AF  R TPN-G/BTEX/MTE	(mV)
SAMPLE ID	Volume (gal.)  (#) CONTAINER REFRIG  x voa vial YES  x amber YES	Conductivity (umhos/cm)  ABORATORY INI PRESERV. TYPE HCL HCL	Temperature (C/F)  FORMATION  LABORATO  LANCASTE  LANCASTE	D.O. (mg/L)  RY AF  R TPN-G/BTEX/MTE	(mV)
Did well de-water	Volume (gal.) pH  (#) CONTAINER REFRIG  x voa vial YES	Conductivity (umhos/cm)  ABORATORY INI PRESERV. TYPE HCL HCL	Temperature (C/F)  FORMATION  LABORATO  LANCASTE  LANCASTE	D.O. (mg/L)  RY AF  R TPN-G/BTEX/MTE	(mV)

nevronTexaco i 25 N. 45Th Streeattle, WA	eet		Job Number: Event Date: Sampler:	2-9-1	<del></del>		_ (inclusi
eattle, WA			Sampler:	Right			
4W - H				12 4 4 1	·		_
	Date M	lonitored:	2-9-04	Well C	ondition: _	01-	
<b>2</b> in.				1"= 0.04	2*= 0.17	3"= 0.38	7
41,60 ft.		Volume Factor (V	3/4"= 0.02 'F) 4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80	
36,17 ft.							
xVF		= <u></u>	_x3 (case volume) =	Estimated Pur	ge Volume:		
·							(2400 hrs) (2400 hrs)
			nt:				(2400 ilis) ft
<u> </u>						36.17	fi
				Hvdrocar	bon Thicknes	ss:	<u>3f</u> t
		/		Visual Co	onfirmation/D	escription:	
	Others	/		Skimmer	/ Absorbant	Sock (circle or	ne)
				Amt Ren	noved from S	kimmer:	gai
	N. /			Amt Ren	noved from V		<u>3</u> gal v₁∠K
\	X			Product	i ransierreu i	0, <u> </u>	
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′ <del>\/</del>	yes, mic	· <del> /</del>	<u> </u>				
Volume		Conductivity					
(gal.)	рн	(u mhos/cm)	(C/F)	(111	gir)	(,	
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·				<del>/}</del> -	ANA	LYSES	
(#) CONTAINER			··				
x voa vial							
x amber	YES \	/ HUL	E/1170,101				
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Railad	~ . ~ . ~ . ~	3 00	SPH .				_
- Daliteri	- 135	<del>- J., - \</del>	<del>~ !-                                    </del>				
ced Lock:			Add/Popless	d Pluo:		size:	
;	Volume (gal.)  (#) CONTAINER  x voa vial  x amber	Sampli Disposition Pressure Discrete Other:    Second	Sampling Equipment Disposable Bailer Pressure Bailer Discrete Bailer Other:  Weather Condition Water Cold Sediment Description If yes, Time:  Volume (gal.)  LABORATORY  x voa vial YES HCL x amber YES HCL	Sampling Equipment:  Disposable Bailer Pressure Bailer Discrete Bailer Other:  Water Color:  gpm Sediment Description:  If yes, Time:  Volume:  Volume:  Volume:  (gal.)  LABORATORY INFORMATION  x voa vial x amber YES HCL LANCAST  Bailed ~ .33 gal 5P	Sampling Equipment: Disposable Baller Pressure Bailer Discrete Bailer Other:  Weather Conditions: Water Color: gpm Sediment Description: If yes, Time: Volume: (gal.)  LABORATORY INFORMATION  LABORATORY INFORMATION  X voa vial YES HCL LANCASTER TPH-D.  BANIEL W. 33 ga. 5 P.  Time Stat Time Bail Depth to Depth to Hydrocar Visual Co. Skimmer Amt Ren Amt Ren Amt Ren Product  Volume: (G/F)  Time Stat Time Bail Depth to	Sampling Equipment: Disposable Balker Pressure Baller Discrete Baller Other:  Weather Conditions: Water Color: Sediment Description: If yes, Time: Volume (gal.)  LABORATORY INFORMATION  **Voor vial YES HCL LANCASTER TPH-Dx w/sg  **Balled: Depth to Product: Depth to Water: Hydrocarbon Thicknee Visual Confirmation/D Skimmer / Absorbant Ant Removed from W Product Transferred to  Volume:  gal.  **Conductivity (umhos/cm)  **LABORATORY INFORMATION  **APPRESERV. TYPE LABORATORY ANA **X voa vial YES HCL LANCASTER TPH-Dx w/sg  **Balled: Depth to Product: Hydrocarbon Thicknee Visual Confirmation/D  Skimmer / Absorbant Ant Removed from W Product Transferred to  Volume:  gal.  **Conductivity (umhos/cm)  **LABORATORY INFORMATION  **APPRESERV. TYPE LABORATORY ANA **X voa vial YES HCL LANCASTER TPH-Dx w/sg  **Balled: Depth to Product: Hydrocarbon Thicknee Visual Confirmation/D  Skimmer / Absorbant Ant Removed from W Product Transferred to  **Volume:  gal.  **LABORATORY INFORMATION  **APPRESERV. TYPE LABORATORY ANA **X voa vial YES HCL LANCASTER TPH-Dx w/sg  **Balled: Depth to Product: Hydrocarbon Thicknee Visual Confirmation/D  Skimmer / Absorbant Ant Removed from W Product Transferred to  **Volume:  gal.  **Confirmation/D  **Confi	Sampling Equipment: Disposable Bailer Pressure Bailer Discrete Bailer Other:  Weather Conditions: Water Color: Sediment Description: If yes, Time: Volunte (gal.)  Volunte (gal.)  Weather Conductivity (umhos/cm)  LABORATORY INFORMATION  LABORATORY



	ChevronTexaco	#209335	Job Number:	386750	
	1225 N. 45Th Str	eet	Event Date:	2-0-04	(inclusiv
ite Address:	Seattle, WA		- Sampler:	BWN	
City:	Seattle, WA			1	- M 4
Veli ID	MW - 5	Date Monitored	: 290	Well Condition:	e obstructed
Well Diameter	2 in.	Volum	ne 3/4"= 0.02	1 - 0.04 - 0	"= 0.38
Total Depth	35.92 ft.	Facto		5"= 1.02 6"= 1.50 12	2"= 5.80
Depth to Water	DRY ft.	=	x3 (case volume) =	Estimated Purge Volume:	gal.
	^*		1	Time Started:	(2400 hrs)
Purge Equipment:		Sampling Equipr	nent:	Time Bailed:	(2400 hrs) ft
Disposable Bailer		Disposable Bailer		Depth to Product:	
Stainless Steel Baile		Pressure Bailer		Depth to Water: Hydrocarbon Thickness:	ft
Stack Pump		Discrete Bailer Other:	)	Visual Confirmation/Desc	ription:
Suction Pump		/	<del>/ _</del> _	Skimmer / Absorbant So	ck (circle one)
Grundfos				Amt Removed from Skim	mer: <sup>gai</sup> · gal
Other:		/		Amt Removed-from Well Product Transferred to:_	: 9 <sup>cr</sup>
				Product Transferred to	
Start Time (pur	ge):	Weather Condit	ions:	Odor	
Sample Time/I	\ <del></del>	/ Water C	olor:	<del></del> _ Oddi	_ <del></del>
Purging Flow I	\ <del></del>	Sediment Descrip	otion:		
Did well de-wa	-	If yes, 7/ime:	Valume:	/ gal.	
•		Conductivi	tv Temperature	D.O.	ORP (mV)
Time (2400 hr	Volume (gal.)	pH (u mhos/cr	n) (C/F)	(mg/L)	(1114)
		<i></i>		<del>X</del>	
	<u> </u>	<u> </u>		<i>/</i>	
	/-	<del></del>	— <del>/</del>		
			<del>/-</del>		
			<del>/-</del>		
		LABORATOR	Y INFORMATION	.\	
	/		TYPE LABORATO	RY ANALY	'SES
	L (III) OCCUPANIED I	PEFRIG. I PRESERV			
SAMPLE		REFRIG. PRESERV	7		
SAMPLE	x voa vial	YES HCI	LANCASTI		
SAMPLE II		YES HCI	LANCASTI		
SAMPLE II	x voa vial	YES HCI	LANCASTI		
SAMPLE II	x voa vial	YES HCI	LANCASTI		
SAMPLE II	x voa vial x amber	YES HCI	/LANCASTI	ER TPH-Dx w/sg	
COMMENTS	x voa vial x amber	YES HCI	/LANCASTI	ER TPH-Dx w/sg	iant
	x voa vial x amber	YES HCI	/LANCASTI		iant



Client/Facility #:	ChevronTexaco	#209335	Job Number:	386750	
Site Address:	1225 N. 45Th Str		Event Date:	3-4-04	(inclusiv
City:	Seattle, WA		Sampler:	BWN	
Well ID	MW - 2	Date Monitored:	3/4/04	Well Condition:	ok
Well Diameter	<u> </u>	Volume	3/4"= 0.02	1"= 0.04 2"= 0.17	3"= 0.38
Fotal Depth	41.62 ft.	Factor (\	/F) 4"= 0.66	5"= 1.02 6"= 1.50	12"= 5.80
Depth to Water	37.06 ft.				
A Francis Land	xVF	= <u></u>	_ x3 (case volume) =	Estimated Purge Volume:	gal.
				Time Started:	(2400 hrs)
Purge Equipment:		Sampling Equipmen	nt:	Time Bailed:	(2400 hrs) 5. 35. 85 ft
Disposable Bailer		Disposable Bailer		_ Depth to Product:	
Stainless Steel Baile		Pressure Bailer		Depth to Water: Hydrocarbon Thickne	
Stack Pump		Discrete Bailer	<u> </u>	Visual Confirmation/	
Suction Pump	·	Other:		-	
Grundfos	·	/		Skimmer / Absorbant Amt Removed from S	t Sock (circle one) Skimmer: gal
Other:	· · · · · · · · · · · · · · · · · · ·			Amt Removed from V	Nell: 2 . gall
		/ .		Product Transferred	to: Overpail
\					
Start Time (purg	· <del> /</del>	/ Weather Condition Water Cold		Odor:	
Start Time (purg Sample Time/Da Purging Flow Ra Did well de-wate	ate: / gpm./	Weather Condition Water Cold Sediment Descriptio yes, Time:	n:	Odor:	
Sample Time/Da Purging Flow Ra	ate: // gpm. lf	Water Cold Sediment Description	n:		ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate	ate: // gpm. lf	Water Cold Sediment Descriptio yes, Time: Conductivity	or:	gal.	ORP
Sample Time/Da Purging Flow Ra Did well de-wate	ate: // gpm. lf	Water Cold Sediment Descriptio yes, Time: Conductivity	or:	gal.	ORP
Sample Time/Da Purging Flow Ra Did well de-wate	ate: // gpm. lf	Sediment Description yes, Time:  PH Conductivity (umhos/cm)  LABORATORY IN	Volume: Temperature (C/F)	gal.  D.O. (mg/L)	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate	ate: / Otte: gpm. If  Volume (gal.)	Water Cold Sediment Description yes, Time:  Conductivity (umhos/cm)  LABORATORY IN REFRIG. PRESERV. TYP	Volume: Temperature (C/F)  IFORMATION DE LABORATOR	gal.  D.O. (mg/L)	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate  Time (2400 hr.)  SAMPLE/ID  MW/-	ate:	Water Cold Sediment Description yes, Time:  PH Conductivity (umhos/cm)  LABORATORY IN REFRIG. PRESERY. TYPES HCL	Volume: Temperature (C/F)  IFORMATION E LABORATOF LANCASTE	gal.  D.O. (mg/L)  RY ANA R TPH-G/BTEX/MTBE	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate  Time (2400 hr.)	ate: / Ate: gpm.  If  Volume (gal.)  (#)_CONTAINER	Water Cold Sediment Description yes, Time:  Conductivity (umhos/cm)  LABORATORY IN REFRIG. PRESERV. TYP	Volume: Temperature (C/F)  IFORMATION DE LABORATOR	gal.  D.O. (mg/L)  RY ANA R TPH-G/BTEX/MTBE	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate  Time (2400 hr.)  SAMPLE/ID  MW/-	ate:	Water Cold Sediment Description yes, Time:  PH Conductivity (umhos/cm)  LABORATORY IN REFRIG. PRESERY. TYPES HCL	Volume: Temperature (C/F)  IFORMATION E LABORATOF LANCASTE	gal.  D.O. (mg/L)  RY ANA R TPH-G/BTEX/MTBE	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate  Time (2400 hr.)  SAMPLE/ID  MW/-	ate:	Water Cold Sediment Description yes, Time:  PH Conductivity (umhos/cm)  LABORATORY IN REFRIG. PRESERY. TYPES HCL	Volume: Temperature (C/F)  IFORMATION E LABORATOF LANCASTE	gal.  D.O. (mg/L)  RY ANA R TPH-G/BTEX/MTBE	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate  Time (2400 hr.)  SAMPLE/ID  MW/-	ate:	Water Cold Sediment Description yes, Time:  PH Conductivity (umhos/cm)  LABORATORY IN REFRIG. PRESERY. TYPES HCL	Volume:  Temperature (C/F)  IFORMATION PE LABORATOF LANCASTEI LANCASTEI	gal.  D.O. (mg/L)  RY ANA R TPH-G/BTEX/MTBE	ORP (mV)



Client/Facility #:	ChevronTexaco #	209335	Job Number:	386/50	
Site Address:	1225 N. 45Th Stre	et	Event Date:	3-4-04	(inclusi
City:	Seattle, WA		Sampler:	BUN	
Well ID	<u>mw - 4</u>	Date Monitored:	3/4/04	Well Condition:	ok
Well Diameter	<u> </u>	Volume	3/4"= 0.02	1"= 0.04 2"= 0.17	3"= 0.38
Total Depth	41.60 ft.	Factor (		5"= 1.02 6"= 1.50	12"= 5.80
Depth to Water	36.74 ft.				ŧ
elik erminer ita kidik eta i	xVF	= <u>-</u>	x3 (case volume) =	Estimated Purge Volume:	gal.
			4-	Time Started:	(2400 hrs)
Purge Equipment:	•	Sampling Equipme	ent:	Time Bailed:	(2400 hrs)
Disposable Bailer	<del></del> ,	Disposable Bailer	<del></del>		ft
Stainless Steel Bailer	<u> </u>	Pressure Bailer	<u> </u>	Depth to Water:  Hydrocarbon Thicknes	
Stack Pump	·	Discrete Bailer	<del></del>	Visual Confirmation/D	
Suction Pump		Other:/	<del></del>	-   <del></del>	
Grundfos	<del> </del>	/		Skimmer / Absorbant	Sock (circle one) kimmer: gal
Other:	<del></del>	· /		Amt Removed from W	
				Product Transferred to	
Sample Time/Da Purging Flow Ra Did well de-water	ate: gpm.	Water Colons   Sediment Description   res, Time:	on:	cdoi	·
Time. (2400 hr.)	Volume (gal.)	Conductivity (u mhos/cm)	Tempe/ature (O/F)	D.O. (mg/L)	ORP (mV)
-	- <del> </del>	<del></del>	/	7	• .
	- <i></i> /	+ $$	- <del>-/</del>	\ ·	
-	<del></del> /	$\overline{}$	<del></del>	_\	
<del></del>	- <del>/</del>	<del>\</del>	- <del>/</del>	-	
-	- <del>- /-</del> -	<del></del>	- /		
<del> </del>		LABORATORY II	NEORMATION		
SAMPLE ID	(#) CONTAINER   RI	FRIG. PRESERV. TY		Y ANAL	YSES
MW -		YES HCL	LANCASTER		
MW -		YES HCL	LANCASTER		
	7		<u> </u>		
				l	
COMMENTS:	Monistoring	Onl.)7	<u></u>	<del> </del>	<del></del>
	<del></del>			·	
	·			N	
Add/Repla	aced Lock:	_	Add/Replaced F	Plug: Siz	ze:



Client/Facility #: C	hevronTexaco	0 #2093	<u> </u>	Job Number:	300730	<del></del>
Site Address: 1	225 N. 45Th S	treet		Event Date:	3-4-04	(inclusiv
City: S	eattle, WA			Sampler:	BWN	
Weli ID	MW - 5	Date	e Monitored:	3/4/04	Well Condition	1: Obstructed
Well Diameter	v in.				1"= 0.04 2"= 0.1	7 3*= 0.38
— Total Depth	35.92 ft.		Volume Factor (Vi	3/4*= 0.02 =) 4"= 0.66	1"= 0.04 2"= 0.1" 5"= 1.02 6"= 1.50	•
Depth to Water	ft.		T BOTOT (VI	, , , ,		
Depui to Water _	xv	rc'	ile in the second	x3 (case volume) =	Estimated Purge Volum	ne: gal.
_	XV	·		, NO (0200 15:0:::-)		
Purge Equipment:		San	npling Equipment	t <b>:</b>	Time Started: Time Bailed:	(2400 hrs)
Disposable Bailer			posable Bailer			ft
Stainless Steel Bailer	<del></del>		ssure Bailer		Depth to Water:	f
Stack Pump	<del></del>		crete Bailer		Hydrocarbon Thick	
Suction Pump			er:		Visual Confirmation	n/Description:
Grundfos					Skimmer / Absorba	ant Sock (circle one)
Other:					Amt Removed from	n Skimmer: gal
	<u> </u>					n Well: gal
					Product Transferre	ed to:
Purging Flow Rate Did well de-water? Time (2400 hr.)		If yes, Tin	ent Description ne: Conductivity (umhos/cm)	Volume: Temperature (C/F)	gal.  D.O. (mg/L)	ORP (mV)
<del></del>	<del>/</del>		<del></del>		\	
	/		BORATORY IN		AA A	NALYSES
SAMPLE ID	(#) CONTAINER	- REFRIG. YES	HCL	LANCASTER		
MW -/	x voa vial x amber	YES	HCL	LANCASTER		
14144/-	x aniber	120	1/			
1 (	<del>-</del>		<u> </u>			
· -						
			L			
	Obstract	100-110	nKII at	- 35 97	feet what	sie to
COMMENTS:	Obstruct	ionin	well at	35.92	feet what	le to
COMMENTS:	Obstruct nt * note	ion in	well at	- 35.92 int bring	feet what salmon h	ole to



lient/Eacility#	ChevronTexaco #20933	5	Job Number:	386750	
Site Address:	1225 N. 45Th Street		Event Date:	9-11-04	(inclusiv
City:	Seattle, WA		Sampler:	Ben Newton	
Well ID	MW-2 Date N	Monitored:			<u></u>
Well Diameter Fotal Depth 円に		Volume Factor (VI	3/4"= 0.02 4"= 0.66	1 - 0.01	3"= 0.38 2"= 5.80
Depth to Water	39.60 ft. xVF	<u>.</u>	x3 (case volume) =	Estimated Purge Volume:	gal.
Purge Equipment: Disposable Bailer Stainless Steel Baile Stack Pump Suction Pump Grundfos Other:	Samp Dispo Press Discre	oling Equipmen osable Bailer sure Bailer ete Bailer r:	_	Time Started: Time Bailed:	(2400 hrs) (2400 hrs) (7, 45 ft (1, 10 ft) (7, 45 ft) (1, 10 ft) (1, 11 ft) (1, 12 ft) (2400 hrs) (
		/		Product Transferred to	
Start Time (purg Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.)	Pate: / Sedimer ster? If yes, Time (gal.)	Conductivity (u mhos/cm)	Temperature (C/F)		ORP (mV)
SAMPLE ID		PRESERV. TYP			SES
MW -	/ x voa vial YES	HCL -	LANCASTE		
MW -	x amber YES /	HCL_	LANCASTE	R TPH-Dx w/sg	
COMMENTS	No product bo	ailch - A	Do Drum		
Add/Rep	laced Lock:		Add/Replaced	l Plug: Size:	: <u></u> -



Client/Eacility #	ChevronTexaco	#20933	5	Job Number:	386750	
	1225 N. 45Th S			Event Date:	9-11-0-	(inclusive
-	Seattle, WA			Sampler:	Ben Newton	
Well ID	MW - 4	Date I	Monitored:		Well Condition:	K
Well Diameter	(2)1 4 in.	10	Volume	3/4"= 0.02	1"= 0.04 2"= 0.17	3"= 0.38
Total Depth	41.60 ft:	,1	Factor (V			12"= 5.80
Depth to Water	37.81 ft.		L			
·	×VI	=	_=	_ x3 (case volume) =	Estimated Purge Volume: _	gal.
	<del></del> ,	l Came		_	Time Started:	
Purge Equipment:		Samp	oling Equipmen	nt:	Time Bailed:	(2400 hrs) 37.78ft
Disposable Bailer	<u> </u>		sable Bailer			37. \$ 1ft
Stainless Steel Bailer	·		sure Bailer ete Bailer	<del></del>	Hydrocarbon Thickness:	ft
Stack Pump			r: / j		Visual Confirmation/Des	cription:
Suction Pump Grundfos		Other	71		Skimmer / Absorbant Sc	ock (circle one)
Other:		•	. /		Amt Removed from Skin	mmer: gal
	<del></del>	,	/		Amt Removed from Wel	
· ·		/	N.		Product Transferred to:_	
<del></del>	<del></del>				ıl.	
Start Time (purge	e).	Weath	er Conditions			
Sample Time/Da	ate: <u> </u>		Water Colo	<del></del>	Odor:	<del></del>
Purging Flow Ra	ate: gpm	Sedimer	nt Description			<del></del>
Did well de-water	er?	If∕yes, Time	e:	\Volume:	gal.	
	/	/	0	Tomporature	D.O.	ORP
Time	Volume	pН	Conductivity (u mhos/cm)	Temperature	(mg/L)	(mV)
(2400 hr.)	(gal.)		(21111051511)	/\``		
	- <del>/</del> <del>-</del>	<u> </u>		7		
		<del>/</del> -				
·	- <del></del> -	<del>-\-</del> -		/		
	- <del>- /</del> -	<del></del>		/ — — —		
	/					
·	/	LAB	ORATORY IN	FORMATION		
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERY. TYP			SES
MW -	/ x voa vial	YES	HĆL Val	LANCASTE		
MW -	x amber	YES	/ACL	LANCASTE	R TPH-Dx w/sg	
	<del></del>					
	<del>-    </del>					
COMMENTS:	No produc	+ bail	ed - 1)	O DRIVA		
Add/Reni	aced Lock:			Add/Replaced	Plug: Size	·
radrivepi				•		



Oli and IT and Italy He	ChevronTexaco #2	09335	Job Number:	386750	
Client/Facility #: Site Address:	1225 N. 45Th Stree		Event Date:	9-11-04	(inclusive
City:	Seattle, WA		Sampler:	Ben Newton	
Well ID	MW - 5	Date Monitored:		Well Condition: Obs	structed
Well Diameter Total Depth	(2) 1 4 in. 35.92 ft.	Volume Factor (V	3/4"= 0.02 (F) 4"= 0.66	1 = 0,04 = 0	= 0.38 '= 5.80
Depth to Water	Olostftxvf	=	_ x3 (case volume) =	Estimated Purge Volume:	gal.
Purge Equipment:		Sampling Equipmen	nt:	Time Started:	(2400 hrs)
Disposable Bailer	· · ·	Disposable Bailer		Depth to Product:	
Stainless Steel Baile	er	Pressure Bailer		Depth to Water: Hydrocarbon Thickness:	
Stack Pump Suction Pump		Discrete Bailer Other:		Visual Confirmation/Descrip	otion:
Grundfos				Skimmer / Absorbant Sock	(circle one)
Other:				Amt Removed from Skimm Amt Removed from Well:_	
			<b>\</b>	Product Transferred to:	
Sample Time/Depty Purging Flow Flow Flow Flow Flow Flow Flow Flow	Rate: gpm./ Setter? If yes	Water Colorediment Descriptions, Time:  Conductivity (umhos/cm)	Temperature (C/F)	gal.  D.O. (mg/L)	ORP (mV)
CAMPI E ID	(#) CONTAINER REF			RY ANALYSE	s
SAMPLE ID	/ (#/ GOIVITAINENT, THE	S HCL	LANCASTE		
MW -	/ / / / / / / / / / / / / / / / / / / /	S HCL	LANCASTE	R TPH-Dx w/sg	
/	7,01100.				
COMMENTS	: Nell obstru	ctra unable	to dis	ilodge ~ 15 m	inuses.
Add/Rep	elaced Lock:		Add/Replaced	Plug: Size:_	



lient/Facility #: C	hevronTexaco#	209335		Job Number:	386750	
	225 N. 45Th Stre			Event Date:	11-22-04	(inclusiv
<u> </u>	Seattle, WA			Sampler:	Ben Newton	<u> </u>
AL-U ID	MW -2	Date	Monitored: 1	1-22-04	Well Condition:	ok
Well ID _	<del>_/`\</del>	Date	Mormorea. 1	1.00-		
Well Diameter _	(2)/4 in.		Volume	3/4"= 0.02	1"= 0.04 "2"= 0.17	3"= 0.38 12"= 5.80
Total Depth _	41.67 "ft.		Factor (VI	4"= 0.66	5"= 1.02 6"= 1.50	12 - 5.80
Depth to Water _	38,16 ft.		=	x3 (case volume) =	Estimated Purge Volume:	gal.
-	XVF			(	Time Started:	(2400 hrs)
Purge Equipment:		Saπ	pling Equipmen	t:	Time Commissions	(2400 hrs)
Disposable Bailer		Disp	osable Bailer		Depth to Product:	36.85 ft
Stainless Steel Bailer			sure Bailer	,	Depth to water:	<u>30'1' "</u> "
Stack Pump		Disc	rete Bailer		Hydrocarbon Thickness Visual Confirmation/De	
Suction Pump			er:		_)l	
Grundfos			<del></del>		Skimmer / Absorbant S	Sock <sup>(</sup> (circle one)
Other:		1			Amt Removed from Sk	immer: gal
Onici		//			Amt Removed from Wo	ell: gal
(					Product Transferred to	overpack
		_/				
OL Time		Most	er Conditions	s:		
Start Time (purge)		/ Weau	Water Color			
Sample Time/Dat		<del></del>	•			<del></del>
Purging Flow Rat	te: gpm.		ent Description		gal.	<del></del>
Did well de-water	r?\	yes, Tim	ne:	Volume: /_	gai.	
	\ /			Temperature	D.O.	ORP
Time	Volume /	рH	Conductivity (u mhos/cm)	(C/F)	(mg/L)	(mV)
(2400 hr.)	(gal.)		(Billios/City)	( ) ( ) ( )		
				<del>\</del> _		
				/		
				´ <del>-\</del>		·
	_					
				<del></del>		<del></del>
<del></del>		<u> </u>	BORATORY IN	EORMATION		
CANADI FID	(#) CONTAINER	REFRIG.	PRESERV. TYP		RY ANAL'	YSES
SAMPLE ID	x voa vial	YES	/ HCL	LANCASTE		
MW/-	x amber	YES	HCL	LANCASTE		
1010 0 -	X BITIDET		/			
	Bailed ~		- an SP	<u></u>		
COMMENTS:	1001100		U DI	<del>\</del>		
Add/Replac	ced Lock:			Add/Replaced	Plug: Siz	e:
,,						



Client/Facility #: Ch	nevronTexaco	#209335		Job Number:	386750	
	25 N. 45Th Str			Event Date:	11-22-04	(inclusive
	eattle, WA			Sampler:	Ben Newton	<del></del>
Moll ID	MW - 4	Date	Monitored:	11-22-04	Well Condition: 6	
Well ID		Date	Worldoo	1.040		
Well Diameter	2/1 4 in.		Volume	3/4"= 0.02	, 5,5, —	"= 0.38
Total Depth	41.60 .ft.		Factor (V	F) 4"= 0.66	5"= 1.02 6"= 1.50 12	2"= 5.80
Depth to Water	36,81 ft.				·	1
	xv	F	—: <del>* ——</del>	_ x3 (case volume) =	Estimated Purge Volume:	
		Com	npling Equipmen	ı <b>+</b> •	Time Started: Time Completed:	(2400 hrs) (2400 hrs)
Purge Equipment:			• -	11.	Depth to Product:	(2400 1113) .
Disposable Bailer		-	oosable Bailer		Depth to Water:	ft
Stainless Steel Bailer			ssure Bailer		Hydrocarbon Thickness:	ft
Stack Pump			crete Bailer		<ul> <li>Visual Confirmation/Description</li> </ul>	iption:
Suction Pump	, Y <sup>(1)</sup>	Oth	er:		Skimmer / Absorbant Sock	Yeirele one)
Grundfos		•	/		Amt Removed from Skimm	ner: gal
Other:			/		Amt Removed from Well:_	
\					Water Removed:	
`					Product Transferred to:	
<del></del>		<del></del>	<del></del>			
Start Time (purge):	\ _	Weat	her Conditions	:: <u></u>		
Sample Time/Date	$\overline{}$		/ Water Color	r:	/ Odor:	
Purging Flow Rate		Sedime	ent Description	n:		·
Did well de-water?		,	ne:		gal.	
Did Well de-Water		755,				w 60.5
Time	Volume	Χ	Conductivity	Temperature `	D.O.	ORP
(2400 hr.)	(gal.)	pH	(umhos/cm)	(C/F)	(mg/L)	(mV)
·	-				<i>_</i>	
		7		/		
		7				
	<del></del>	<del></del>	$\overline{}$			
	/-					
<del></del>						
		ΙΔ	BORATORY	FORMATION		
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYP		RY ANALYSE	S
MW -	x ves visl	YES	HCL_	LANÇASTE	R TPH-G/BTBX/MTBE	
MW -	x amber	YES	HCL	LANCASTE	R TPH-Dx w/sgc	
						<del></del>
COMMENTS:	Monifoci	ng An	.\/			
		J	V			<del></del>
Add/Replac	ed Lock:			Add/Replaced	Plug: Size:_	



	( 'havron i exallo #.	ZU3330			386750		•
	ChevronTexaco# 1225 N. 45Th Stre		 Eve	nt Date:	11-22-02		(inclusive
•	, v	· ·	 San	npier:	Ben Newton		_
ity:	Seattle, WA						
Vell ID	mw -5	Date Monito	ored: \\	12-04	Well Condition	n: <u>8</u> —	
Vell Diameter	(2) 4 in.	-			1"= 0.04 2"= 0.	17 3"= 0.38	7
	35.92 aft.	•	Volume Factor (VF)	3/4"= 0.02 4"= 0.66	5"= 1.02 6"= 1.		
otal Depth	0.20	l					
Depth to Water	DPX ft.	=	x3 (	case volume) =	Estimated Purge Volu	ume: 9	al.
					Time Started:		(2400 hrs) _(2400 hrs)
Purge Equipment:		Sampling E	quipment:		Time Completed:		
Disposable Bailer		Disposable l	Bailer		Depth to Product.		
Stainless Steel Baile		Pressure Ba	iler		Hydrocarbon Thio	kness:	ft
Stack Pump	·	Discrete Bai	iler		- Visual Confirmation	on/Description:	
Suction Pump	.1	Other:	1		-	1 Carlo (airele es	
Grundfos		Ź			Skimmer / Absort	bant Sock (circle or om Skimmer:	oal
Other:		/			Amt Removed it	om Well:	gal
Omer	\	/			Water Removed:		
		/			Product Transfer	red to:	
Start Time (pure Sample Time/Derging Flow F	Date:	Wat Sediment De	er Color: scription:		Od	or:	_
Did well de-wa	volume	If yes, Time:	\	Volume: Temperature (C/F)	gal.  D.O. (mg/L)	ORP (mV)	
Did well de-wa	ter? Volume	If yes, Time:Cond (umb	uctivity ios/cm)	Temperature (C/F)	D.O. (mg/L)	(mV)	_ _ _ _ _ 
Did well de-wa	Volume (gal.)	If yes, Time:Cond (umb	TORY INFOR	Temperature (C/F)	D.O. (mg/L)	(mV)	- - - - - - - -
Did well de-wa	Volume (gal.)	LABORA REFRIG. PRES	TORY INFOR	Temperature (C/F)  RMATION LABORATO LANCASTE	D.O. (mg/L)  RY  RY  TPH-G/BTEX/N	(mV)	
Did well de-wa Time (2400 hr.)	Volume (gal.)	LABORA REFRIG. PRES	TORY INFOR	Temperature (C/F)	D.O. (mg/L)  RY  RY  TPH-G/BTEX/N	(mV)	
Did well de-wa Time (2400 hr.)  SAMPLE ID MW -	Volume (gal.)  (#) OONTAINER  x voa vial	LABORA REFRIG. PRES	TORY INFOR	Temperature (C/F)  RMATION LABORATO LANCASTE	D.O. (mg/L)  RY  RY  TPH-G/BTEX/N	(mV)	
Did well de-wa Time (2400 hr.)  SAMPLE ID MW -	// Volume (gal.)  (#) QONTAINER  x voa vial x amber	LABORA REFRIG. PRES	TORY INFO	Temperature (C/F)  RMATION LABORATO LANCASTE	D.O. (mg/L)  RY  RY  TPH-G/BTEX/N	(mV)	
SAMPLE ID MW -	// Volume (gal.)  (#) QONTAINER  x voa vial x amber	LABORA REFRIG. PRES YES	TORY INFO	Temperature (C/F)  RMATION LABORATO LANCASTE	D.O. (mg/L)  RY  RY  TPH-G/BTEX/N	(mV)	

### FORMER CHEVRON SERVICE STATION #209335 Seattle, Washington

MONITORING & SAMPLING EVENT OF MARCH 31, 2004



11 1 <del>15 -</del>	ChevronTexaco	#209335	Job Number:	386750	
lient/Facility#:	1225 N. 45Th St		Event Date:	3-31-04	(inclusi
ite Address:			Sampler:	BWN	·
City:	Seattle, WA				
Vell ID	MW -	Date Monitored:	331/04	Well Condition:	ok
Vell Diameter	2 in.	·			3"= 0.38
	38,40 ft.	Volume Factor (		1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	12"= 5.80
otal Depth Depth to Water	37.12 ft.	T BOLO! (			<u> </u>
Deptil to Water	xvi	. ' = =	x3 (case volume) =	Estimated Purge Volume:	gal.
·				Time Started:	(2400 hrs)
Purge Equipment:	•	Sampling Equipme	nt:	Time Bailed:	(2400 hrs)
Disposable Bailer	1	Disposable Bailer		Depth to Product:	<del>_/</del> ";
Stainless Steel Baile	er -	Pressure Bailer		Depth to Water:	ft ft
Stack Pump		Discrete Bailer		Visual Confirmation/	escription:
Suction Pump		Other:		-	Sack (circle one)
Grundfos	:	•		Skimmer / Absorbant	kimmer: gal
Other:				Amt Removed from V	kimmer: gal
				Product Transferred t	o:
				\	
Start Time (pur		Weather Condition			ha.
Sample Time/D	Date: 1415 / 3	31/04 Water Col	or: <u>clea</u>		no
	Pate: 1415 / 3	31/04 Water Col Sediment Description	or: <u>Clea</u> on:	Odor:	no
Sample Time/D	Pate: 1415 / 3 Rate: gpm.	31/04 Water Col	or: <u>Clea</u> on:	Odor:	no
Sample Time/D Purging Flow F Did well de-wa	Pate: 1415 / 3 Rate: gpm. ter? ho	Sediment Description  If yes, Time:	or: Clea on: Volume:	Odor: gal.	ORP
Sample Time/D Purging Flow F Did well de-wa	Pate: 1915 / 3 Rate: gpm. ter? No	Sediment Description If yes, Time:  Conductivity	or: Cleadon: Volume:	Odor: gal.	
Sample Time/D Purging Flow F Did well de-wa	Pate: 1915 / 3 Rate: gpm. ter? No	Sediment Description If yes, Time:	or: Cleadon: Volume:	gal	ORP
Sample Time/D Purging Flow F Did well de-wa	Pate: 1915 / 3 Rate: gpm. ter? No	Sediment Description If yes, Time:  Conductivity	or: Cleadon: Volume:	gal	ORP
Sample Time/D Purging Flow F Did well de-wa	Pate: 1915 / 3 Rate: gpm. ter? No	Sediment Description If yes, Time:  Conductivity	or: Cleadon: Volume:	gal	ORP
Sample Time/D Purging Flow F Did well de-wa	Pate: 1915 / 3 Rate: gpm. ter? No	Sediment Description If yes, Time:  Conductivity	or: Cleadon: Volume:	gal	ORP
Sample Time/D Purging Flow F Did well de-wa	Pate: 115 / 3 Rate: gpm. ter? No Volume	Sediment Description If yes, Time:  Conductivity	or: Cleadon: Volume:	gal	ORP
Sample Time/D Purging Flow F Did well de-wa	Pate: 115 / 3 Rate: gpm. ter? No Volume	Sediment Description If yes, Time:  Conductivity	or: Cledon. on: Volume:	gal	ORP
Sample Time/D Purging Flow F Did well de-wa	Pate: 115 / 3 Rate: gpm. ter? No Volume	Sediment Description If yes, Time:  PH  Conductivity (u mhos/cm)	or: CleA. on: Volume: Temperature (C/F)	Odor: gal. b.o. 	ORP (mV)
Sample Time/D Purging Flow F Did well de-wa Time (2400 hr.	Pate: 15 / 3 Rate: gpm. ter? Nolume (gal.)	Sediment Description If yes, Time:  Conductivity	Or: Clean or: Volume:		ORP
Sample Time/D Purging Flow F Did well de-wa	Pate: 115 / 3 Rate: gpm. ter? No Volume	Sediment Description If yes, Time:  pH Conductivity (umhos/cm)  LABORATORY	Or: CleA. On: Volume:  Temperature (C/F)  INFORMATION (PE LABORATO LANCASTE	gal.  D.O. (mg/L)  PRY ANA  TPH-G/BTEX	ORP (mV)
Sample Time/D Purging Flow F Did well de-wa Time (2400 hr.	Oate: 115 / 3 Rate: gpm. ter? // Volume (gal.)	Sediment Description If yes, Time:  pH Conductivity (umhos/cm)  LABORATORY REFRIG. PRESERV. To	Or: Clean or: Volume:	gal.  D.O. (mg/L)  PRY ANA  TPH-G/BTEX	ORP (mV)
Sample Time/D Purging Flow F Did well de-wa Time (2400 hr.	Oate: 115 / 3 Rate: gpm. ter? Volume (gal.)  (#) CONTAINER 3 x voa vial	Sediment Description If yes, Time:  pH Conductivity (umhos/cm)  LABORATORY REFRIG. PRESERV. To YES HCL	Or: CleA. On: Volume:  Temperature (C/F)  INFORMATION (PE LABORATO LANCASTE	gal.  D.O. (mg/L)  PRY ANA  TPH-G/BTEX	ORP (mV)
Sample Time/D Purging Flow F Did well de-wa Time (2400 hr.	Oate: 115 / 3 Rate: gpm. ter? Volume (gal.)  (#) CONTAINER 3 x voa vial	Sediment Description If yes, Time:  pH Conductivity (umhos/cm)  LABORATORY REFRIG. PRESERV. To YES HCL	Or: CleA. On: Volume:  Temperature (C/F)  INFORMATION (PE LABORATO LANCASTE	gal.  D.O. (mg/L)  PRY ANA  TPH-G/BTEX	ORP (mV)
Sample Time/D Purging Flow F Did well de-wa Time (2400 hr.	Oate: 115 / 3 Rate: gpm. ter? Volume (gal.)  (#) CONTAINER 3 x voa vial	Sediment Description If yes, Time:  pH Conductivity (umhos/cm)  LABORATORY REFRIG. PRESERV. To YES HCL	Or: CleA. On: Volume:  Temperature (C/F)  INFORMATION (PE LABORATO LANCASTE	gal.  D.O. (mg/L)  PRY ANA  TPH-G/BTEX	ORP (mV)
Sample Time/D Purging Flow F Did well de-wa Time (2400 hr.	(#) CONTAINER   3 x voa vial   1 x amber   1 3   2   3   3   3   4   4   5   6   6   6   6   6   6   6   6   6	Sediment Description  Sediment Description  If yes, Time:  pH  Conductivity (umhos/cm)  LABORATORY  REFRIG. PRESERV. TO YES HCL YES HCL	Or: CLEA, On: Volume: Volume: Volume: CLEA, Temperature (C/F) INFORMATION (PE LABORATO LANCASTE LANCASTE	gal.  D.O. (mg/L)  ORY ANA  ER TPH-G/BTEX  ER TPH-Dx w/sg	ORP (mV)
Sample Time/D Purging Flow F Did well de-wa Time (2400 hr.	Oate: 115 / 3 Rate: gpm. ter? // Volume (gal.)  (#) CONTAINER 3 x voa vial 1 x amber	Sediment Description If yes, Time:  pH Conductivity (umhos/cm)  LABORATORY REFRIG. PRESERV. To YES HCL	Or: CLEA, On: Volume: Volume: Volume: CLEA, Temperature (C/F) INFORMATION (PE LABORATO LANCASTE LANCASTE	gal.  D.O. (mg/L)  ORY ANA  ER TPH-G/BTEX  ER TPH-Dx w/sg	ORP (mV)
Sample Time/E Purging Flow F Did well de-wa  Time (2400 hr.	Oate: 115 / 3 Rate: gpm. ter? // Volume (gal.)  (#) CONTAINER 3 x voa vial 1 x amber	Sediment Description  Sediment Description  If yes, Time:  pH  Conductivity (umhos/cm)  LABORATORY  REFRIG. PRESERV. TO YES HCL YES HCL	Or: CLEA, On: Volume: Volume: Volume: CLEA, Temperature (C/F) INFORMATION (PE LABORATO LANCASTE LANCASTE	gal.  D.O. (mg/L)  ORY ANA  ER TPH-G/BTEX  ER TPH-Dx w/sg	ORP (mV)



Client/Facility #:	ChevronTexac	o #209335	Job Number:	386750	<u> </u>
Client/Facility #: ChevronTexaco #209335 Site Address: 1225 N. 45Th Street			Event Date:	3-31-04	(inclusive
City:	Seattle, WA		– Sampler:	BWN	
					1
Well ID	MW - 2	Date Monitored	:3131104	Well Condition:	<u>ok</u>
Well Diameter	<b>2</b> in.	Volum	ne 3/4"= 0.02	1"= 0.04 2"= 0.17	3"= 0.38
Total Depth	41.62 ft.		r (VF) 4"= 0.66	5"= 1.02 6"= 1.50	12"= 5.80
Depth to Water	39.05 ft.			· ·	
	x	VF==	x3 (case volume) =	Estimated Purge Volume	
Puras Equipment:		Sampling Equipr	nent:	Time Started:	(2400 hrs) (2400 hrs)
Purge Equipment: Disposable Bailer		Disposable Bailer		Depth to Product:	37.32 ft
Stainless Steel Baile	- <del></del>	Pressure Bailer		Depth to Water:	39.05 f
Stack Pump		Discrete Bailer		Hydrocarbon Thickne	ess: 1.73 ft
Suction Pump		Other:	<u> </u>	Visual Confirmation/	Description:
Grundfos				Skimmer / Absorban	
Other:	·	/	/	Amt Removed from Amt Removed from	
`	\	/		Product Transferred	
		141 21 2			
Start Time (purg	· ——	Weather Conditi		Odor	
Sample Time/D		Water C	· ———	) Oddi.	
Purging Flow R		Sediment Descrip			
Did well de-wat	er?	If yes, Time:	Volume:	gal/	
Time	Volume	Conductivity	Temperature	/p.o.	ORP
(2400 hr.)	(gal.)	pH (u mhos/cm	`	/ (mg/L)	(mV)
		<u> </u>			
		<del></del>		×	
·	/:	\	/	<u> </u>	
	/ .		/		
		<u> </u>			<del></del>
<del></del>					
			INFORMATION	ANY	ALYSES
SAMPLE ID	(#) CONTAINER	REFRIG. PRESERV.			ALTSES
MW -	x voa vial		LANCASTE	<del></del>	
MW -	x amber	YES HCL	LANCAGILI	/ / / / / / / / / / / / / / / / / / /	
<del></del>	<u> </u>				
					<u> </u>
1	No 3Pt	1 bailed from	well as	no overpack	is onsite. R
COMMENTS			1 04		
COMMENTS:		Denish Hanc	C 4X		
COMMENTS:	Contacted	Denise Vanc	<u> </u>		
				Plug: S	ize:



Client/Facility #:	ChevronTexaco	#20933	35Jo	ob Number:	386750	·	
Site Address:	1225 N. 45Th Street Seattle, WA			vent Date:	3-31-04 BWN		(inclusiv
City:				ampler:			
Well ID	MW - 3	Date	Monitored: 3	21/04	Well C	ondition: 0 K	
Well Diameter Total Depth Depth to Water	2 in. 41.65 ft. 37.65 ft.		Volume Factor (VF)	3/4"= 0.02 4"= 0.66	1"= 0.04 5"= 1.02	2"= 0.17 3"= 0.3 6"= 1.50 12"= 5.	80
Dopar to Trater	xv	· 	=x	3 (case volume) = 1		rge Volume:	
Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump		Disp Pres Disc	npling Equipment:  posable Bailer  ssure Bailer  prete Bailer  er:	<u> </u>	Depth to Hydrocar Visual Co		
Grundfos Other:					Amt Rem	noved from Skimmer:_ noved from Well:_ yransferred to:	galgal
Start Time (purg Sample Time/D Purging Flow R Did well de-wat	ate: 1445 / 3 ate: gpm.	31 64 Sedime	her Conditions:  Water Color: ent Description: ne:	Sunn Clear Volume:		Odor: <u>n0</u>	
Time (2400 hr.)	Volume	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.	.O. OF g/L) (m	
							<del></del>
	<del></del>		BORATORY INFO	ORMATION			
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATOR		ANALYSES	
MW - 3	3 x voa vial	YES	HCL	LANCASTE!			
MW - 3	2. x amber	YES	HCL	LANCASTE			
COMMENTS:	NP						
Add/Repl	aced Lock:			.dd/Replaced	 Plug:	Size:	



Client/Facility #:	ChevronTexac	o #2093	35	Job Number:	386750	
Site Address: 1225 N. 45Th Street			<del></del>	Event Date:	3-31-04	(inclus
City:	Seattle, WA			Sampler:	BWN	
Well ID	MW - 4	Date	e Monitored: 3	131/04	Well Condition:	ok
Well Diameter Total Depth	2 in. 41.60 ft.		Volume Factor (V	3/4"= 0.02 4"= 0.66	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	3"= 0.38 12"= 5.80
Depth to Water	37.59 ft.	'F	==	x3 (case volume) = I	Estimated Purge Volume:	gal.
Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump		Dis Pre Dis	mpling Equipment posable Bailer essure Bailer crete Bailer ner:	t:	Time Started: Time Bailed: Depth to Product: Depth to Water: Hydrocarbon Thickness Visual Confirmation/Des	(2400 hrs) ft
Grundfos Other:	<u>.                                    </u>				Skimmer / Absorbant & Amt Removed from Ski Amt Removed from We Product Transferred to:	mmer: gal ll: gal
Start Time (purgo Sample Time/Da Purging Flow Ra Did well de-water	ate: 1515 /3/ ate: gpm.	<u>31/04</u> Sedim	ther Conditions Water Color ent Description ne:	: clear	Odor: Vz	<u></u>
Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
044B) 5 ID	(#) CONTAINED	REFRIG.	BORATORY INI		Y ANALY	/SES
SAMPLE ID	(#) CONTAINER  3 x voa viai	YES	HCL	LANCASTER	<u> </u>	
MW - 4	2 x amber	YES	HCL	LANCASTER		
COMMENTS:						<del></del>
				Add/Replaced	Plug: Size	



Client/Facility #: C	hevronTexaco	#209335	Job Number:	386750	
	225 N. 45Th Sti		— Event Date:	3-31-24	(inclusiv
_	eattle, WA		Sampler:	BWN	
City: <u>S</u>	eattle, VA				
Well ID	<b>MW</b> -5	Date Monitore	d: 3/31/04	Well Condition: 0	<u>K</u>
Well Diameter	2 in.	<u></u>			3"= 0.38
Total Depth	35,92 ft.	Volu	ime 3/4"= 0.02 for (VF) 4"= 0.66	1 - 0.0 1	12"= 5.80
Depth to Water	DEV ft.	1 00			
Depui to Water _	xVF	=	x3 (case volume) =	Estimated Purge Volume:	gal.
_				Time Started:	(2400 hrs)
Purge Equipment:	, ,	Sampling Equip	<b>*</b>	Time Bailed:	(2400 hrs) ft
Disposable Bailer	<u> </u>	Disposable Baile	r —	Depth to Product:	
Stainless Steel Bailer		Pressure Bailer		Depth to Water: Hydrocarbon Thickness:	
Stack Pump		Discrete Bailer	<del>X</del> -	Visual Confirmation/Des	cription:
Suction Pump		Other:	/-	Skimmer / Absorbant Sc	ook (birdo one)
Grundfos				Amt Removed from Skir	nmer: gai
Other:	<del></del>		`	Amt Removed from Wel	li <u>/g</u> al
		•		Product Transferred to:	<u>/</u>
			/		
Charl Time ()		Weather Condi	/ tions:		
Start Time (purge):		\ /	Color:	Ødor:	<del></del>
Sample Time/Date		Sediment Descri			<del></del>
Purging Flow Rate		\ /		gạl.	
Did well de-water?	? lt	yes, Time:	Volume	ga \	
Timo	Volume	onductivi	ty Temperature	/ D.O. \	ORP
Time (2400 hr.)	(gal.)	pH (u)nhos/cr		(mg/L)	(mV)
<b>(,</b>	(0-7		<u>.</u>	_/	
				<i>/</i>	·
<u> </u>	<del></del>				
·					
<del></del>					
				· · · · · · · · · · · · · · · · · · ·	
	./		Y INFORMATION_		-5-5
SAMPLE ID	-(#)-CONTAINER -	REFRIG. PRESERV			/SES
MW -	x voa vial	YES HCL			
MW -	x amber	YES HCL	LANCASTE	K ITTI-DX Wag	
	<del> </del>				
<del></del>	<del> </del>				
COMMENTS:	Nell i	5 d.c)7 - hno	uble to "fis	hout" obstru	ction with
	almon hoo	16.	<u> </u>		
	VII. OV ~ 1 100	<u> </u>			· · ·
		·	Add/Replaced	Plug: Size	e:
Add/Replace	ed Lock:		Vanusehiacea		

# Chevron Northwest Region Analysis Request/Chain of Custody



Acct. #: 11260 For Lancaster Laboratories use only
Sample #: 4247792-95

scr#: 890723

											. 7	Analy	/ses	Requ	estec	ł		$\Box$			
F114 . 44	25 C D #2057r		-		T	Matrix,	. [	寸					ervat	ion (	odes			ゴ	Presen	ative Cod	es
Facility #: <u>SS#2093</u>	1							ļ		1	H	Tt.	$oxed{oxed}$			-	$\vdash$	4	H = HCl	T = Thios	
Site Address:1225 N. 4	1						_		후    -			}			Ì				N = HNO <sub>3</sub> S = H <sub>2</sub> SO <sub>4</sub>	<b>B</b> = NaO <b>O</b> = Othe	
Chevron PM: BH	L	ead Consultant:_	SAICLB			စ္တ	<b>,</b>	50			208	] 			_			ᆫ	☐ J value repo		
Consultant/Office: _G_R	, Inc., 6747 Sierrs	a Court, Suite J	, Dublin, Ca	<del>. 945</del> 68	4	Potable NPDES	1	Containers	8   		12	D Extended Rng.	ethod	3.					☐ Must meet lo	owest detect	tion limits
Consultant Prj. Mgr.: De:	anna L. Harding-	-(deanna@grin	<del>c.com) -</del>	<del></del>				ခ် မြ	<u> </u>		西河	Gel	∑				1 1		possible for	•	ounds
Consultant Phone #:926			925-551-7	<del>1899 -</del>				ō .	8021	ر ا	-   2∆	Siche	iş l	i	<u>בֿ</u>				8021 MTBE Co ☐ Confirm MTI		solono
				1		ا إِنْ ا	ge		Oxygenates	+ 0	C C			ב <u>ֿ</u>				Confirm high			
Service Order #:		□Non SAR:	- <del></del>			ا بق	Ž	2	¥   33 + ₩	ő	TPHG	TH O	I I	ᇤ			-		Confirm all h	-	
Sample Identification	}	. Date Collected	Time Collected	Grab Composite	Soil	Water		Total Number of	BTEX + MTBE B260 full scan		A	×	ead	VPH/EPH		'			Run or		
QA	· · · · ·	3-3[-01-	COMEDICA	<u> </u>	†	٦		<b>S</b>		+	X		$\Box$			+-		-	Comments /		
MW			1415	X		×	4	8			X	X						]-	<b>*</b> 1.	1 TD1	111
MW 3	•		1445	$\times$		×		5		$\perp$	X	X						]	* Only	l Hr	147
MW 4	<u> </u>		1515	X	┸╵	$ \times $		5.	$\perp$	$\bot$	×	X			_	$\perp$		_	for 1	1 (4100	7
! <del></del>			<del> </del>	╂-┼-	╄	$\vdash$	$\dashv$	$\dashv$		+-	4-	<b> </b>	┦	$\vdash$	_	+		4	101,	• • • • • • • • • • • • • • • • • • • •	'
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			<del>                                     </del>	<b>†</b>	1	<del>                                     </del>		$\neg$	$\top$	+	†	<del>                                     </del>	$\mid \mid \mid$	$\Box$	+	+	$\Box$	$\exists$			
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Turnaround Time Requ	uested (TAT) (please	e circle)	Relinqu	uished by:		New	Hon	<u></u>		-  -	Date 3-31	, h	Time UDO		ceive	d by:				Date	Time
STD. TAT 24 hour		hour	Relinqu	ished by:			<u>, w,</u>			十	Date		Time		ceive	d by:		<del>~</del>	<del></del>	Date	Time
		day —					_	<u> </u>	· ·	$\dashv$	_	$\downarrow$		$\perp$		•					
Data Package Options	(please circle if requir	red)	Relinqu	ished by:						- 1	Date	'	∓ime	Re	ceive	by:	<del></del>			Date	Time
	Type I - Full		Relingu	ished by (	Comr	nercial	Carrie	<u>—</u>				!		I R	ceive	No.		<del></del>		<del></del>	T!
Type VI (Raw Data) WIP (RWQCB)	Disk / EDD Standard Format		UPS		dEx	)	Othe						_	"	COIVO	de	$\mathcal{O}^{\nu}$	λ,	1111/4	Date	Time
Disk	Other.	•	Temper	rature Upo	on Re	ceipt _	2.4	57	<u> </u>				=_	Ci	stody	Seals	Intact	? [	Yes No	7112-(* 1	رياما



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

REGENVED

#### ANALYTICAL RESULTS

Prepared for:

ChevronTexaco 6001 Bollinger Canyon Road L4310 San Ramon CA 94583 925-842-8582

Prepared by:

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

# GETTLER-RYAN INC.

#### SAMPLE GROUP

The sample group for this submittal is 890723. Samples arrived at the laboratory on Friday, April 02, 2004. The PO# for this group is 99011184 and the release number is HUNTER.

Client Description	<u>Lancaster Labs Number</u>
OA Water Sample	4247792
•	4247793
MW 1 Grab Water Sample	4247794
MW 3 Grab Water Sample	4247795
MW 4 Grab Water Sample	

1 COPY TO ELECTRONIC COPY TO SAIC Gettler Ryan Attn: Ms. Deanna Harding Attn: Michael Sharaeff



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Questions? Contact your Client Services Representative Teresa L Cunningham at (717) 656-2300.

Respectfully Submitted,

Melissa A. McDermott Senior Chemist

Milissa a Mc Sernott



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Lancaster Laboratories Sample No. WW 4247792

QA Water Sample Facility# 209335 Job# 386750 1225 N. 45th Street; Seattle, WA Collected:03/31/2004

Submitted: 04/02/2004 09:05 Reported: 04/14/2004 at 16:00

Discard: 05/15/2004

Account Number: 11260

ChevronTexaco

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08213	BTEX (8021)					
007.76 00777 00778 00779	Benzene Toluene Ethylbenzene Total Xylenes	71-43-2 108-88-3 100-41-4 1330-20-7	N.D. N.D. N.D.	0.5 0.5 0.5	ug/l ug/l ug/l ug/l	1 1 1
08274 01648	TPH by NWTPH-Gx waters TPH by NWTPH-Gx waters	n.a.	N.D.	50.	ug/l	1

		Laboratory	Chro	nicle Analysis		Dilution
CAT No. 08213	Analysis Name BTEX (8021)	Method SW-846 8021B	Trial#	Date and Time 04/06/2004 18:50	Analyst Linda C Pape	Factor 1
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	04/06/2004 18:50	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/06/2004 18:50	Linda C Pape	n.a.



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Lancaster Laboratories Sample No. WW 4247793

MW 1 Grab Water Sample Facility# 209335 Job# 386750 1225 N. 45th Street; Seattle, WA

Collected: 03/31/2004 14:15 by BN

Submitted: 04/02/2004 09:05

Reported: 04/14/2004 at 16:00

Discard: 05/15/2004

Account Number: 11260

ChevronTexaco .

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

45TH1

				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/l	1
	Due to the nature of the sample	matrix, a red	luced aliquot was	used		
	for analysis. The reporting li	mits were rais	ed accordingly.			
08213	BTEX (8021)	·				
00776	Benzene	71-43-2	N.D.	0.5	ug/l	1
00777	Toluene	108-88-3	N.D.	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	50.	ug/l	1

_	
Laboratory	Chronicle
habbratur v	· CIII OIII CIC

CAT		царогасогу	. CIII O.	Analysis		Dilution
No. 02211	Analysis Name TPH by NWTPH-Dx(water)	Method NWTPH-Dx, ECY 97-	Trial# 1	Date and Time 04/07/2004 06:21	Analyst Devin M Hetrick	Factor 1
08213 08274	w/SiGel BTEX (8021) TPH by NWTPH-Gx waters	602(modified) SW-846 8021B TPH by NWTPH-Gx -	1	04/07/2004 03:45 04/07/2004 03:45	Linda C Pape Linda C Pape	1 1
01146 07003	GC VOA Water Prep Extraction - DRO (Waters)	8015B Mod. SW-846 5030B NWTPH-Dx, ECY 97-602, 6/97	. 1	04/07/2004 03:45 04/05/2004 04:30	Linda C Pape Eryn E Landis	n.a. 1



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4247794 Lancaster Laboratories Sample No. WW

MW 3 Grab Water Sample Facility# 209335 Job# 386750 1225 N. 45th Street; Seattle, WA Collected: 03/31/2004 14:45 by BN

Submitted: 04/02/2004 09:05 Reported: 04/14/2004 at 16:00 Discard: 05/15/2004

Account Number: 11260

ChevronTexaco

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

45TH3

				As Received Method		Dilution	
CAT			As Received		Units	Factor	
No.	Analysis Name	CAS Number	Result	Detection Limit	OULLES	ractor	
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/l	1	
02070	Due to the nature of the sample		ced aliquot was	used			
	for analysis. The reporting lin	nits were raise	ed accordingly.		·		
08213	BTEX (8021)						
00776	Benzene	71-43-2	N.D.	0.5	ug/l	1	
00777	Toluene	108-88-3	N.D.	0.5	ug/l	1	
00778	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1	
00778	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1	
007.75	TOTAL NYTENES	2000 00					
08274	TPH by NWTPH-Gx waters						
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	50.	ug/l	1	

G3.55		Laboratory	Chro	nicle Analysis		Dilution
CAT	33	Method	Trial#	Date and Time	Analyst	Factor
No. 02211	Analysis Name TPH by NWTPH-Dx(water)	NWTPH-Dx, ECY 97-	1	04/07/2004 07:11	Devin M Hetrick	. 1
	w/SiGel	602 (modified)	7	04/07/2004 04:21	Linda C Pape	1
08213	BTEX (8021)	SW-846 8021B	1	04/07/2004 04:21	Linda C Pape	1
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	_		Linda C Pape	n.a.
01146	GC VOA Water Prep	SW-846 5030B	1	04/07/2004 04:21	Eryn E Landis	1
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602,	. 1	04/05/2004 04:30	eryn e bandis	<b>.</b> .



Account Number: 11260

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Lancaster Laboratories Sample No. 4247795

MW 4 Grab Water Sample Facility# 209335 Job# 386750 1225 N. 45th Street; Seattle, WA by BN Collected: 03/31/2004 15:15

ChevronTexaco

Submitted: 04/02/2004 09:05 6001 Bollinger Canyon Road Reported: 04/14/2004 at 16:00

L4310 Discard: 05/15/2004 San Ramon CA 94583

45TH4

· ·	•			As Received		
CAT			As Received	Method	٠	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.	250.	ug/l	1
02096	Heavy Range Organics	n:a.	N.D.	250.	ug/l	1
08213	BTEX (8021)					
00776	Benzene	71-43-2	14.	0.5	ug/l	1
00777	Toluene	108-88-3	96.	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	110.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	340.	1.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	3,900.	50.	ug/l	1

CAT		Laboratory	Chro	nicle Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97- 602 (modified)	1	04/07/2004 07:36	Devin M Hetrick	. 1
08213	W/SIGE1 BTEX (8021)	SW-846 8021B	1	04/07/2004 04:57	Linda C Pape	1
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	04/07/2004 04:57	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/07/2004 04:57	Linda C Pape	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602, 6/97	, 1	04/05/2004 04:30	Eryn E Landis	1



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#### Quality Control Summary

Client Name: ChevronTexaco

Reported: 04/14/04 at 04:00 PM

Group Number: 890723

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

## Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 040940006A Diesel Range Organics Heavy Range Organics	Sample n N.D. N.D.	umber(s): 250. 250.	4247793-42 ug/l ug/l	<b>47795</b> 79		53-107		
Batch number: 04095A53B Benzene Toluene Ethylbenzene Total Xylenes TPH by NWTPH-Gx waters	Sample n N.D. N.D. N.D. N.D.	umber(s): .5 .5 .5 .5 50.	4247792-42 ug/1 ug/1 ug/1 ug/1 ug/1	47795 101 103 102 106 104	101 100 97 102 106	79-123 82-119 81-119 82-120 70-130	0 3 4 3 2	30 30 30 30 30

## Sample Matrix Quality Control

Analysis Name	MS <u>%REC</u>	MSD %REC	MS/MSD <u>Limits</u>	RPD	RPD <u>MAX</u>	BKG <u>Conc</u>	DUP <u>Conc</u>	DUP <u>RPD</u>	Dup RPD Max
Batch number: 040940006A Diesel Range Organics Heavy Range Organics	Sample	number	(s): 424779	3-42477	95	N.D. N.D.	N.D. N.D.	0 (1) 18 (1)	20 20
Batch number: 04095A53B	Sample	number	(s): 424779	2-42477	95				
Benzene	103	103	67-136	1	30				
Toluene	110	107	78-129	3	30				
Ethylbenzene	107	105	75-133	1	30				
Total Xylenes	111	107	78-130	3	30				
TPH by NWTPH-Gx waters	96	100	63-154	4	30				

#### Surrogate Quality Control

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel

Batch number: 040940006A Orthoterphenyl

4247793 86 4247794 90 4247795 99 Blank 89

LCS

\*- Outside of specification

89

- (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

119

121

127

57-146

Client Name: ChevronTexaco

Group Number: 890723

Reported: 04/14/04 at 04:00 PM

Surrogate Quality Control

Limits:

MS

MSD

Analysis Name: BTEX (8021) Batch number: 04095A53B

105

104

103

Trifluorotoluene-P Trifluorotoluene-F 4247792 4247793 4247794 103 118 123 106 106 4247795 122 103 Blank 122 LCS LCSD 111 119

Limits: 66-136

\*- 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.

## FORMER CHEVRON SERVICE STATION #209335 Seattle, Washington

MONITORING & SAMPLING EVENT OF JUNE 28, 2004



	ChevronTexaco	#209335	Job Number:	386750	
ient/Facility#:	1225 N. 45Th Str		Event Date:	6-28-02	(inclusi
te Address:			Sampler:	BWN	
ty:	Seattle, WA				
	navar 1	Date Monitored:	0-28-04	Well Condition:	OK
ell ID	<u></u>	Date Monitored.	Q 000 0 1	- 	
ell Diameter	2 in.	Volume		1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	3"= 0.38 12"= 5.80
otal Depth	38.40 ft.	Factor (	VF) 4"= 0.66	5"= 1.02 6"= 1.50	12 - 3.00
epth to Water	37.14 ft.			Estimated Purge Volume:	gal.
	xVF	=	X3 (case volume) =	Time Started:	
		Sampling Equipme	nt:	Time Started:	(2400 hrs)
urge Equipment:		Disposable Bailer	1	Depth to Product:	ft
isposable Bailer		Pressure Bailer	<del>- \\</del>	Depth to Water:	f
tainless Steel Bail	er	Discrete Bailer		Hydrocarbon Thicknes	ss:ft
tack Pump			/	<ul> <li>Visual Confirmation/D</li> </ul>	escription:
Suction Pump		Other:		Skimmer / Absorbant	Sock (circle one)
Srundfos			_	Amt Removed from S	kimmer: gal
Other:				Amt Removed from V	Vell: gai
				Product Transferred t	o:
Start Time (pur Sample Time/l Purging Flow l Did well de-wa	Date: / Rate: gpm.	Water Col Sediment Description f yes, Time:		Odor: gal.	
Sample Time/I Purging Flow I	Date: / Rate: gpm. ster? /	Sediment Description	on:	gal.	ORP (mV)
Sample Time/I Purging Flow I Did well de-wa	Date: / Rate: gpm. ster?	Sediment Description f yes, Time:  Conductivity	On: Volume: Temperature	gal. 	ORP
Sample Time/I Purging Flow I Did well de-wa	Date: / Rate: gpm. ster?	Sediment Description  f yes, Time:  Conductivity (umhos/cm)	Volume:  Temperature (C/F)	gal.  D.O. (mg/L)	ORP (mV)
Sample Time/I Purging Flow I Did well de-wa	Pate: / Rate: gpm. ster?  Volume (gal.)	Sediment Description f yes, Time:  Conductivity	Volume:  Temperature (C/F)  INFORMATION YPE LABORATO	gal.  D.O. (mg/L)	ORP
Sample Time/I Purging Flow I Did well de-wa Time (2400 hr	Date: / Rate: gpm. Iter? Volume (gal.)  (#) CONTAINER	Sediment Description  f yes, Time:  Conductivity (umhos/cm)  LABORATORY	Temperature (C/F)  INFORMATION YPE LABORATO LANCASTI	gal.  D.O. (mg/L)  RY  ANA  ANA  TPH-G/BTEX	ORP (mV)
Sample Time/I Purging Flow I Did well de-wa Time (2400 hr	Oate: / Rate: gpm. ster? Volume (gal.)  (#) CONTAINER x voa vial	Sediment Description  f yes, Time:  Conductivity (u mhos/cm)  LABORATORY REFRIG. PRESERV. T	Volume:  Temperature (C/F)  INFORMATION YPE LABORATO	gal.  D.O. (mg/L)  RY  ANA  ANA  TPH-G/BTEX	ORP (mV)
Sample Time/I Purging Flow I Did well de-wa Time (2400 hr	Date: / Rate: gpm. Iter? Volume (gal.)  (#) CONTAINER	Sediment Description  f yes, Time:  Conductivity (umhos/cm)  LABORATORY REFRIG. PRESERV. T YES HCL	Temperature (C/F)  INFORMATION YPE LABORATO LANCASTI	gal.  D.O. (mg/L)  RY  ANA  ANA  TPH-G/BTEX	ORP (mV)
Sample Time/I Purging Flow I Did well de-wa Time (2400 hr	Oate: / Rate: gpm. ster? Volume (gal.)  (#) CONTAINER x voa vial	Sediment Description  f yes, Time:  Conductivity (umhos/cm)  LABORATORY REFRIG. PRESERV. T YES HCL	Temperature (C/F)  INFORMATION YPE LABORATO LANCASTI	gal.  D.O. (mg/L)  RY  ANA  ANA  TPH-G/BTEX	ORP (mV)
Sample Time/I Purging Flow I Did well de-wa Time (2400 hr	Oate: / Rate: gpm. ster? Volume (gal.)  (#) CONTAINER x voa vial	Sediment Description  f yes, Time:  Conductivity (umhos/cm)  LABORATORY REFRIG. PRESERV. T YES HCL	Temperature (C/F)  INFORMATION YPE LABORATO LANCASTI	gal.  D.O. (mg/L)  RY  ANA  ANA  TPH-G/BTEX	ORP (mV)
Sample Time/I Purging Flow I Did well de-wa Time (2400 hr	Oate: / gpm. Rate: gpm. Volume (gal.)  (#) CONTAINER  x voa vial x amber	Sediment Description  f yes, Time:  Conductivity (umhos/cm)  LABORATORY REFRIG. PRESERV. T YES HCL	INFORMATION YPE LABORATO LANCASTI	gal.  D.O. (mg/L)  RY  ANA  ANA  TPH-G/BTEX	ORP (mV)
Sample Time/I Purging Flow I Did well de-wa Time (2400 hr  SAMPLE ID MW - MW -	Oate: / gpm. Rate: gpm. Volume (gal.)  (#) CONTAINER  x voa vial x amber	Sediment Description  f yes, Time:  Conductivity (u mhos/cm)  LABORATORY  REFRIG. PRESERV. T  YES HCL  YES HCL	INFORMATION YPE LABORATO LANCASTI	gal.  D.O. (mg/L)  RY  ANA  ANA  TPH-G/BTEX	ORP (mV)



Client/Facility #:	ChevronTexaco #209335	Job Number:	386750	
Site Address:	1225 N. 45Th Street	Event Date:	6-28,04	(inclusive)
City:	Seattle, WA	 Sampler:	BWN	
Oity.	Ceattle, WA			
Well ID	MW - Z Date Monitore	ed: 0-24-04	Well Condition: 0K	
Well Diameter	in		1"= 0.04 2"= 0.17 3"= 0.	20
Total Depth		urne 3/4*= 0.02 stor (VF) 4*= 0.66	1"= 0.04 2"= 0.17 3"= 0. 5"= 1.02 6"= 1.50 12"= 5	
Depth to Water	39.05 ft.			
	xVF =	x3 (case volume) =	Estimated Purge Volume:	gal.
			Time Started:	(2400 hrs)
Purge Equipment:	Sampling Equi		Time Bailed:	(2400 hrs) ft
Disposable Bailer	Disposable Baile		Depth to Water: 39.05	=",
Stainless Steel Baile			Hydrocarbon Thickness:	73 ft
Stack Pump	Discrete Bailer		Visual Confirmation/Description	n:
Suction Pump	Other:		Skimmer / Absorbant Sock (ci	rcle one)
Grundfos	<del></del> ,		Skimmer / Absorbant Sock (ci Amt Removed from Skimmer: Amt Removed from Well:	gal
Other:	<del></del> 1			
			Product Transferred to: O	ver force
Start Time (num	ne): Weather Cond	itions:		
Start Time (purg	,-,·	Color:	Odor:	•
Sample Time/D				<del></del>
Purging Flow R	/	Volume:	gal.	
Did well de-wat	er? If yes, Time:	Volume. —	90	
Time	Volume Conductiv	vity Temperature	D.O. OI	RP
(2400 hr.)	Volume / bH	• \ / · ·	(mg/L) (m	1 <b>V</b> )
, ,		X		
<del></del>				
<del></del>				
		/		
<del></del>		$\overline{}$		<u> </u>
		<u> </u>	\	
	LABORATO	RY INFORMATION	\	
SAMPLE ID	(#) CONTAINER REFRIG. PRESERV	1. TYPE LABORATO		
MW -	x voa vial YES \ /HC		<del></del>	
MW -	x amber YES \ HC	L LANCASTE	R TPH-Dx w/sg	
	/			
//-		<del></del>	-	
<del></del>	<del> </del>			
	Bayled ~ 2 gal SP	<u>11</u>		
COMMENTS:	Daylea - gal si	И		
Add/Rep	aced Lock:	Add/Replaced	Plug: Size:	<del></del>



	ChevronTexaco	±209335	j Jol	b Number:	386750	<del></del>
Client/Facility #:	1225 N. 45Th Str		 Ev	ent Date:	6-28-04	(inclusive
Site Address:				ampler:	BWN	
City:	Seattle, WA					
<del></del> Well ID	MW - 3	Date 1	Monitored: $\Psi$	-28-04	Well Condition: DIK	
Well Diameter	2 in.		Volume	3/4"= 0.02	1"= 0.04 2"= 0.17 3"= 0.3	
Total Depth	41.65 ft.		Factor (VF)	4"= 0.66	5"= 1.02 6"= 1.50 12"= 5	.80
Depth to Water	<u> </u>		=x3	(case volume) =	Estimated Purge Volume:	gal.
					Time Started:	(2400 nrs)
Purge Equipment:		. Samp	oling Equipment:		Time Bailed:	`
Disposable Bailer		Dispo	sable Bailer		Depth to Product: Depth to Water:	ft
Stainless Steel Baile	er		sure Bailer		Hydrocarbon Thickness:	ft
Stack Pump		Discr	ete/Bailer		Visual Confirmation/Descriptio	n:
Suction Pump		Othe	r: <u>/</u>		_l	
Grundfos	<del></del>	•	/		Skimmer / Absorbant Sock (ci	rcie one) gali
Other:		/			Amt Removed from Well:	gal
<u> </u>		/			Product Transferred to:	
		/				
Start Time (pure Sample Time/I Purging Flow F Did well de-wa	Date:	Sedime f yes, Tim	ner Conditions: _ Water Color: ent Description: _ e:	Volume:	. 5.5.	RP nV)
(2400 hr.	) (gal.)	PH -	(u mhos/cm)	(C/F)		
	/		BORATORY INFO		ORY ANALYSES	
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LANCAST	OKI	
MW -	x voa vial	YES	HCL /	LANCAST		
MW -	/ x amber	YES	HCL /	LANCASI		
	7		<del>                                     </del>	<del> </del>		
			<del> </del>	<del> </del>		
			<del> </del>	<del> </del>		
COMMENTS	: Monitori	g Or	Ίγ			
Add/Re	placed Lock:			Add/Replace	ed Plug:Size:	



Client/Facility #: Site Address: City:	ChevronTexaco 1225 N. 45Th St Seattle, WA		Job Number: Event Date: Sampler:	386750 6-28.04 BWN	(inclusive
Well ID Well Diameter Total Depth Depth to Water	MW - E in.  2 in.  41.60 ft.  3'7.54 ft.  xVF	Volun Facto	or (VF) 4"= 0.66	5"= 1.02 6"= 1.50 1  Estimated Purge Volume:	3"= 0.38 12"= 5.80
Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Other:		Sampling Equipr Disposable Bailer Pressure Bailer Discrete Bailer Other:	1 1	Time Started: Time Balled: Depth to Product: Depth to Water: Hydrocarbon Thickness: Visual Confirmation/Des Skimmer / Absorbant So Amt Removed from Skim Amt Removed from Well Product Transferred to:	(2400 hrs)  ft  ft  cription:  ck (circle one)
Start Time (purg Sample Time/Do Purging Flow Ra Did well de-wate	ate: 320 / 63 ate: gpm.	Weather Conditi	otion:	Odor: <u>Υ</u>	<u>es</u>
Time (2400 hr.)	Volume (gal.)	pH Conductivit		D.O. (mg/L)	ORP (mV)
			Y INFORMATION		
SAMPLE ID  MW - 1  MW - 1	(#) CONTAINER  3 x voa vial 2 x amber	REFRIG. PRESERV. YES HCL YES HCL		R TPH-G/BTEX	SES
COMMENTS:	NP				
Add/Repl	aced Lock:		Add/Replaced	Plug: Size	:



OF UE 12 4.	ChevronTexaco	#20933	5 .	lob Number:	386750	<del></del> _
•	1225 N. 45Th St			Event Date:	6-28-04	(inclusive
Site Address:		1661		Sampler:	BWN	
City:	Seattle, WA					
Well ID	MW - 5	Date	Monitored:	6.28-04	Well Condition: 0bs	structed
Well Diameter	<b>2</b> in.		Volume	3/4"= 0.02	1 - 0.04 - 0111	0.38
Total Depth	35.97 tt.		Factor (VF)	4"= 0.66	5"= 1.02 6"= 1.50 12"=	5.80
Depth to Water	ft.	_	· 	x3 (case volume) =	Estimated Purge Volume:	gal.
	xvi	- <u></u> -		10 (0000 Talalia)	Time Started:	(0.400 h)
Durge Equipment:		Sam	pling Equipment:		Time States:	(2400 hrs)
Purge Equipment:	•		osable Bailer		Depth to Product:	ft_
Disposable Bailer		•	sure Bailer		Depth to Water:	¶
Stainless Steel Bailer	·		ete Bailer		Hydrocarbon Thickness:	ft
Stack Pump	<del></del>		r:		Visual Confirmation/Descript	tion:
Suction Pump	,	Oute	·		Skimmer / Absorbant Sock (	circle one)
Grundfos	<del>\</del>		/		Amt Removed from Skimme	er: gal
Other:			/		Amt Removed from Well:	gal
			/		Product Transferred to:	<u></u> _
			/			
		144 .41	Conditions	•		_
Start Time (purg	e):	Weatr	ner Conditions	·	Odor:	
Sample Time/D	ate:/		Water Color			
Purging Flow R	ate: gpm.	\	nt Description	·		<del></del> _
Did well de-wate		If yes, Tim	e:	_ Volume: 📐	gal./	
Time (2400 hr.)	Volume	рН	Conductivity (umhos/cm)	Temperature (C/F)	, ,	ORP (mV)
		<del>-/</del> -			<u> </u>	
	_ <del> </del>	<del>/</del> -				
	/-	•				
			<del></del>			
			<del></del>			
			BORATORY IN	FORMATION	\	
CAMPI E ID	1 44 CONTAINED	REFRIG.	PRESERV. TYP		ORY ANALYSES	S
SAMPLE ID	(#) CONTAINER	YES	HCL /	LANCAST	ER TPH-G/BTEX	
MW -	/ x voa vial	YES	HCL	LANCAST		
MW -	x amber	160		<del>- </del>		
<del></del>						
<del></del>						
<del></del>						
			1 35	97 CH	used stainless	ban let _
COMMENTS:	umon hook	hit	10 luck.	N 30	Minnyes	
	umur - 1 wut-	rail .,	<u> </u>	,	• • • • • • • • • • • • • • • • • •	. <u>.                                   </u>
				A 1-1/PS - 1	d Plug: Size:_	
Add/Repl	aced Lock:	<u>.                                    </u>		Add/Keplace	u riug 0120	

# Chevron Northwest Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only

Acct. #: 11260 Sample #: 430460 -13

Group# 902358

			•	<sub>.</sub> y.	•					.5			•	. <b>A</b>	naty	805	Req	lnes	ted					11	
Facility #: SS#2093	35 C-P #386	75n		<del></del>			M	atrix	T				_		rese	rvat	lon	Coc	<u>6</u> 8			T	Preserva		
Site Addres 225 N. 4		ATTLE,				_			_		ē			A	H								N = HNO <sub>3</sub>	T = Thio: B = NaO O = Othe	Н
Consultant Pri. Meneral Consultant Pri. Meneral Consultant Pri. Meneral Consultant Phone 25	Inc., 6747 Sice Inno L. Hording -551-7555	ra Cour	na@grinc.c	ublin, Ca. 9		- -	I T Potable	□ NPDES		* 1	8021 🗀 8260 🗀 Naphith 🗆		thes.	+8TEX-802	D Silva Gel Cheanup	Diss. 🗆 Method		D ☐ quantification					☐ J value report ☐ Must meet lov possible for 8: 8021 MTBE Con ☐ Confirm MTB	rest detect 260 compo firmation E + Naphth	ion limits unds
Sampler:	Venton	DN	on SAR:		٥	Composite	_  .	93	¥	Total Number	BTEX + MTBE	8260 full scan	Oxygenates	трне	TPH D		VPHEPH	NWTPH H HCID	-				☐ Confirm highe ☐ Confirm all hit ☐ Runoxy		٠,
Sample Identification		•	Date Collected	Time Collected	Grab	ខ្ល	ଞ୍ଚ	Water	5	T of	<u>B</u>	8260		X	7	Pead	YP.	MA.		·				s on all hi	
¤Α			6-28-04	}	X		_[.	<i>‡</i>	5	2				<b>7</b>									Comments / F	emarks	
p1 W-4	k 1		, <b>4</b>	1320	×		Ľ	<u>X</u>	,	5	_			メ	X	ļ_	_		<u> </u>	<u> </u>					
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*					$\square$	$\dashv$	$\dashv$		$\dashv$	-	$\dashv$		-				_	ļ.,	<u> </u>	<b>├</b>	H	├─┤			
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Turnaround Time Re	rquested (TAT) (p	dease circ 48 hour	•		<u>S</u> 4	<u>~ 7</u>	1 ten	vkr	1				7	Date -   -	<u> </u>	Time 100		Rece	·		· ·	_	· · · · · · · · · · · · · · · · · · ·	Date	<b>Time</b>
24 hour	4 day	5 day		Relinqu	ished	by:	•							Date		Time	1	Rece	<b>ive</b> d	by:			7	Date	Time
Data Package Optio	ns (please circle if i	required)		Relinqu	ished	by:				_		_		Date	*	Time	†	Rece	ived	by:				Date	Time
QC Summary Type VI (Raw Data) WIP (RWQCB)	Type I - Full Disk / EDD Standard Forma		EDF/EDD	UPS	(	FedE	x_	>_	Ott	10r		<u>-</u>	<del></del>				$\perp$	Rece	_		Q.	δŷ	JAN 1	Date 120	Timb)
Disk		Other.		Temper	ature	Upon	Rec	eipt _	1.5	<u>5~ L</u>	<u> </u>	<b>`</b>					T	Custo	ody S	eals	inte	17	Yes No		<del></del>

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 658-2300 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3468 Rev. 8/8/01



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## Analysis Report

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

#### ANALYTICAL RESULTS

Prepared for:

ChevronTexaco 6001 Bollinger Canyon Road L4310 San Ramon CA 94583 925-842-8582

Prepared by:

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

penteral windital was

#### SAMPLE GROUP

The sample group for this submittal is 902358. Samples arrived at the laboratory on Friday, July 02, 2004. The PO# for this group is 99011184 and the release number is HUNTER.

Client Description

QA Water Sample

MW-4 Grab Water Sample .

Lancaster Labs Number

4304612

4304613

1 COPY TO **ELECTRONIC**  SAIC

Gettler Ryan

Attn: Ms. Deanna Harding Attn: Michael Sharaeff

COPY TO



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Questions? Contact your Client Services Representative Teresa L Cunningham at (717) 656-2300.

Respectfully Submitted,

Melissa A. McDermott

**Senior Chemist** 



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Page 1 of 1

Dilution

Lancaster Laboratories Sample No. WW 4304612

QA Water Sample Facility# 209335 Job# 386750 1225 North 45th Street-Seattle, WA Collected:06/28/2004

Submitted: 07/02/2004 09:10 Reported: 07/12/2004 at 15:31

Discard: 08/12/2004

Account Number: 11260

ChevronTexaco

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

As Pessived

45QAT

CAT No.	Analysis Name	CAS Number	As Received Result	Method  Detection  Limit	Units	Dilution Factor
08213	BTEX (8021)					
00776 00777 00778 00779	Benzene Toluene Ethylbenzene Total Xylenes	71-43-2 108-88-3 100-41-4 1330-20-7	N.D. N.D. N.D. N.D.	0.5 0.5 0.5 1.5	ug/l ug/l ug/l ug/l	1 1 1
08274	TPH by NWTPH-Gx waters	·			•	
01648	TPH by NWTPH-Gx waters	'n.a.	'n.D.	50.	ug/l	1

Laboratory Chilomicie	Laboratory	Chronicle
-----------------------	------------	-----------

				Analysis		2114414
CAT		** ** - 3	Trial#	Date and Time	Analyst	Factor
No.	Analysis Name	Method	1	07/07/2004 07:17	Linda C Pape	1
08213	BTEX (8021)	SW-846 8021B	<u>.</u> .	07/07/2004 07:17	Linda C Pape	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.		07/07/2004 07:17	Linda C Pape	n.a.
01146	GC VOA Water Prep	SW-846 5030B	1	07/07/2004 07:17	Linda C 1-p-	



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Page 1 of 1

Lancaster Laboratories Sample No. WW 4304613

MW-4 Grab Water Sample Facility# 209335 Job# 386750 1225 North 45th Street-Seattle, WA Collected:06/28/2004 13:20 by BN

Submitted: 07/02/2004 09:10 Reported: 07/12/2004 at 15:31

Discard: 08/12/2004

Account Number: 11260

ChevronTexaco

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

#### 45MW4

				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.	250.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	250.	ug/l	1
08213	BTEX (8021)					
00776	Benzene	71-43-2	8.5	0.5	ug/l	1
00777	Toluene	108-88-3	15.	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	59.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	110.	1.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	1,600.	50.	ug/l	1

Laboratory Ch	nronicl	e
---------------	---------	---

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97- 602(modified)	1	07/07/2004 15:05	Matthew E Barton	1
08213	W/SIGE1 BTEX (8021)	SW-846 8021B	1	07/07/2004 09:41	Linda C Pape	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	07/07/2004 09:41	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/07/2004 09:41	Linda C Pape	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602, 6/97	1	07/03/2004 09:40	Claudia M Tabora	1



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Page 1 of 2

## Quality Control Summary

Client Name: ChevronTexaco

Group Number: 902358

Reported: 07/12/04 at 03:31 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 <u>%REC</u>	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 041840015A Diesel Range Organics Heavy Range Organics	Sample N.D. N.D.	number(s): 250. 250.	4304613 ug/l ug/l	100		51-113		
Batch number: 04189A53A Benzene Toluene Ethylbenzene Total Xylenes TPH by NWTPH-Gx waters	Sample N.D. N.D. N.D. N.D. N'.D.	number(s): .5 .5 .5 .5 .5	4304612-43 ug/l ug/l ug/l ug/l ug/l	304613 101 99 103 106 89	103 99 101 97 91	79-123 82-119 81-119 82-120 70-130	2 0 2 8 3	30 30 30 30 30

## Sample Matrix Quality Control

Analysis Name	MS· %REC	MSD %REC	MS/MSD <u>Limits</u>	RPD	RPD <u>MAX</u>	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 041840015A Diesel Range Organics Heavy Range Organics	Sample	number	(s): 430461	3		N.D. N.D.	N.D. N.D.	· 0 (1)	20 20
Batch number: 04189A53A Benzene Toluene Ethylbenzene Total Xylenes	Sample 113 110 106 117	number	(s): 430461 67-136 78-129 75-133 78-130 63-154	2-43046			·		

### Surrogate Quality Control

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel Batch number: 041840015A Orthoterphenyl

TPH by NWTPH-Gx waters

4304613	98
Blank	104
DUP	163*
LCS	119

Limits: 50-150

\*- Outside of specification

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



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Page 2 of 2

### Quality Control Summary

Client Name: ChevronTexaco

Group Number: 902358

Reported: 07/12/04 at 03:31 PM

Surrogate Quality Control

Analysis Name: BTEX (8021)

Batch numb	er: 04189A53A Trifluorotoluene-P	Trifluorotoluene-F	
4304612	101	94	
4304613	101	104	
Blank	100	110	
LCS	102	109	ı
LCSD	104	102	
MS	93	101	
Limits:	66-136	57-146	

\*- Outside of specification

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

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



# **Explanation of Symbols and Abbreviations**

**Inorganic Qualifiers** 

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

N.D. TNTC IU umhos/cm C meq g ug ml m3	none detected Too Numerous To Count International Units micromhos/cm degrees Celsius milliequivalents gram(s) microgram(s) milliliter(s) cubic meter(s)	MPN Most Probable Number CP Units cobalt-chloroplatinate units NTU nephelometric turbidity units F degrees Fahrenheit Ib. pound(s) kg kilogram(s) mg milligram(s) I liter(s) ul microliter(s)	
		م م مراجع المسلم	nah

- 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
- J estimated value The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).
- 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. All other results are reported on an as-received basis.

#### U.S. EPA CLP Data Qualifiers:

#### **Organic Qualifiers**

	Organic waanners		
A B C D E N P U	TIC is a possible aldol-condensation product Analyte was also detected in the blank Pesticide result confirmed by GC/MS Compound quantitated on a diluted sample Concentration exceeds the calibration range of the instrument Presumptive evidence of a compound (TICs only) Concentration difference between primary and confirmation columns >25% Compound was not detected	BEMNS UW*+	Value is <crdl, (msa)="" <0.995<="" additions="" analysis="" but="" calculation="" coefficient="" compound="" control="" correlation="" detected="" digestion="" due="" duplicate="" estimated="" for="" injection="" interference="" limits="" met="" method="" msa="" not="" of="" out="" post="" precision="" sample="" spike="" standard="" th="" to="" used="" was="" within="" ≥idl=""></crdl,>
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.

Measurement uncertainty values, as applicable, are available upon request.

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

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## FORMER CHEVRON SERVICE STATION #209335 Seattle, Washington

MONITORING & SAMPLING EVENT OF SEPTEMBER 29, 2004



Client/Facility #: Cl	nevronTexaco	#209335		Job Number:	386750	<del></del> _
	25 N. 45Th St			Event Date:	9-29-14	(inclusive
	eattle, WA		1	Sampler:	Ben Newton	_ <del></del>
				a 00 ml	Well Condition: ك	The state of the s
Well ID	MW - 1	Date	Monitored: _	7-21-09	- VVCII CONGRICII	
Well Diameter	(2)/ 4 in.		Volume	3/4"= 0.02	1"= 0.04 , 2"= 0.17	3"= 0.38
Total Depth	38.40 ft.		Factor (\	/F) 4"= 0.66	5"= 1.02 6"= 1.50	12"= 5.80
Depth to Water	37.50 ft.					
	xv	F	=	_ x3 (case volume) =	Estimated Purge Volume:	
		0	li Equipmo	nt:	Time Started:	(2400 hrs)
Purge Equipment:			npling Equipme	nt.	Depth to Product:	(2400 1113)
Disposable Bailer			oosable Bailer		Depth to Water:	n
Stainless Steel Bailer			ssure Bailer		Hydrocarbon Thickness	:ft
Stack Pump			crete/Bailer		<ul> <li>Visual Confirmation/Des</li> </ul>	scription:
Suction Pump		Otn	er: /		Skimmer / Absorbant S	ock (circle one)
Grundfos				-	Amt Removed from Ski	mmer: gal
Other:					Amt Removed from We	
·		/			Water Removed: Product Transferred to:	
				<del></del>	<del>/</del>	<u> </u>
Charl Time (access)		West	her Condition	s:	_	
Start Time (purge):		7	Water Cold		Odor:	
Sample Time/Date	·· <del></del>	——————————————————————————————————————	ent Descriptio		<del></del> =	
Purging Flow Rate		,			gal.	
Did well de-water?	·	if yes, iiii	ne:	- Voldine:	<del></del>	
<b>T:</b> _	Maluma	Х	Conductivity	Temperature	D.O.	ORP
Time (2400 hr.)	Volume (gal.)	/pH	(u mhos/cm)	(C/F) /	(mg/L)	(mV)
(2400 111.)	(90/	/ · \			_ \	
. ——	——— <i>[</i>				_ \	
· ——	/-	\		·		
<del></del>	<del></del>		<del>/</del>	· <del></del> //		
	<del>/-</del> -		<del>-/</del>			
				<u> </u>		
	1		BORATORY IN	FORMATION	\	·
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TY			SES
0,	/ x voa vial	YES	HCL	LANCASTE		
MW -				/ LANCASTE	R TPH-D w/sgc	·
MW -	x amber	YES	HCL\	/ 1110/10/10		
<del></del>		YES	HCL	/ <u>Entroprient</u>		
<del></del>		YES	HCL			
MW -	x amber					
MW -				Somple		



Client/Facility #: Ch	nevronTexaco#:	209335		Job Number:	386750		
Site Address: 12	25 N. 45Th Stre	et		Event Date:	9-29-	- 04	(inclusive
City: Se	eättle, WA			Sampler:	Ben Newto	n	<u> </u>
Well ID	_MW -2	Date	Monitored:	9-29-04	Well Cond	ition:	
Well Diameter	<del>/</del>	Date			·		
	<del>~~</del>		Volume	3/4"= 0.02		"= 0.17 3"= (	0.38 . 5.80 .
Total Depth	41.62 ft.		Factor (V	F) 4"= 0.66	5"= 1.02 6'	<u>= 1.50 12"=</u>	5.60
Depth to Water	39,39 ft. xvf		=	_x3 (case volume) =	Estimated Purge	Volume:	gal.
_	^*						(2400 hrs)
Purge Equipment:	•		oling Equipmer	nt:	Time Comple	ted:	(2400 hrs)
Disposable Bailer		Dispo	sable Bailer		Depth to Proc Depth to Wat		
Stainless Steel Bailer			sure Bailer		Hydrocarbon		1.6 <u>7</u> ft
Stack Pump			ete Bailer		Visual Confirm	nation/Description	on:
Suction Pump		Other	r: <u>/</u>		-	sorbant Sock (c	ircle one)
Grundfos		/	/		1	d from Chimmer	· nal
Other:		/			Amt Remove	d from Well:	gal
	_				Water Remov	ved:sferred to:	122 VOC 11 -
		/.			Product tran	sierred to	
Sample Time/Date Purging Flow Rate Did well de-water?  Time (2400 hr.)	e: gpm.	yes, Time	Conductivity (u mhos/cm)				RP (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
CASEDI F ID	(#) CONTAINED		PRESERY. TYP		Y T	ANALYSES	
SAMPLE ID MW -	(#) CONTAINER  x yoa vial	YES	H¢L	LANCASTER			
MW -	x voa viai	YES	HCL	LANCASTER	$\rightarrow$	:	
<del></del>	<del> </del>						
COMMENTS:	Bailed	N 2	- gal	SPI			
Add/Replace	ed Lock:			Add/Replaced	Plug:	Size:	



Oliant/English #r	ChevronTexaco	#209335	I	Job Number:	386750	
	1225 N. 45Th St			Event Date:	9-29-04	(inclusive
-	Seattle, WA			Sampler:	Ben Newton	
City: _	Seattle, WA					
Well ID	MW - 3	Date	Monitored:	9-29-04	Well Condition:	<u></u>
Well Diameter	2 / 4 in.		h	3/4"= 0.02	1"= 0.04 2"= 0.17 3	'= 0.38
Total Depth	41.65 ft.		Volume Factor (V		5"= 1.02 6"= 1.50 12	"= 5.80
Depth to Water	38.01 ft.		<del></del>			
		F	=	_ x3 (case volume) =	Estimated Purge Volume:	gal.
					Time Started:	(2400 hrs)
Purge Equipment:	f		npling Equipmer	nt:	Time Completed:	(2400 hrs)
Disposable Bailer			oosable Bailer		Depth to Product: Depth to Water:	
Stainless Steel Bailer		Pre	ssure Bailer		Hydrocarbon Thickness:	ft
Stack Pump			crete Bailer		- Visual Confirmation Descri	ption:
Suction Pump		Oth	er:		Skimmer / Absorbant/Sock	(circle one)
Grundfos					Amt Removed from Skimm	ger: gal
Other:					Amt Removed from Well:_	gal
	`				Water Removed/	<u> </u>
					Product Transferred to:	
Did well de-water	Volume (gal.)	If yes, Tin	Conductivity (u mhos/cm)	Temperature (C/F)	gal.  D.O. (mg/L)	ORP (mV)
			$\longrightarrow$			
			<i>/_</i> _			
		۱۸	BORATORY IN	FORMATION		
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYP			:s
MW - 3	3 x voa vial	YES	HCL	LANCASTE		
MW - 3	z x amber	YES	HCL	LANCASTE	R TPH-D w/sgc	
<u> </u>						
COMMENTS:	NP					
Add/Repla	aced Lock:			Add/Replaced	Plug: Size:	



Client/Facility #:	ChevronTexaco	#209335	J	lob Number:	386750		
Site Address:	1225 N. 45Th St		<b>f</b>	Event Date:	9-29-	524	(inclusive
City:	Seattle, WA		{	Sampler:	Ben Newto	on '	
Well ID	mw - 4	Date Mor	nitored: 1	-29-01	Well Con	dition: OK	
Well Diameter	(2) 4 in.			. 3/4"= 0.02	1"= 0.04	2"= 0.17 3"= 0.38	
Total Depth	. 41.66 ft.		Volume Factor (VF)			5"= 1.50 <u>12"= 5.8</u>	1
Depth to Water	37.86 ft.						<del></del>
	x\	/F= = .	;	(3 (case volume) =	Estimated Purge	e Volume:	gal.
		C	- Faulamenti	ŧ	Time Started		(2400 hrs)
Purge Equipment:			g Equipment:		Time Comple Depth to Pro		(2400 hrs) ft
Disposable Bailer		Disposabl Pressure	_	<del></del>	Depth to Wa		ft
Stainless Steel Bailer	· ——	Discrete E	_	<del></del>	Hydrocarbon	Thickness:	ft
Stack Pump Suction Pump	<del></del>	Other:	-		Visual Confir	mation/Description:	
Grundfos	<del>-/\-</del>	Outer			Skimmer / A	bsorbant Sock (circle	e one)
Other:	<del>-/</del>				Amt Remove	ed from Skimmer:	gal
Olitor.						ed from Well:\	gal
					Water Remo		<del></del>
Did well de-water	Volume (gal.)	54	nductivity nhos/cm)	Volume:	D.O. (mg/L)	ORP (mV)	· · · · · · · · · · · · · · · · · · ·
		$\sum =$		\			
		LABOR	ATORY INFO	RMATION			<del></del>
SAMPLE ID	(#) CONTAINER		SERV. TYPE	LABORATOR		ANALYSES	
MW - 4	∑ x voa vial	YES	HCL	LANCASTER			
MW - 14	x amber	YES	HCL	LANCASTER	TPH-D Wisg		
COMMENTS:	NP						
Add/Repla	aced Lock:		A	dd/Replaced <b>f</b>	Plug:	Size:	- <u>-</u>



Client/Facility #: Ch	nevronTexaco#2	09335	Job Number:	386750	
	25 N. 45Th Stree		Event Date:	9-29-04	(inclusive
	eattle, WA	<u> </u>	Sampler:	Ben Newton	
Well ID	MW - 5	Date Monitored	9-29-af	Well Condition:	OK.
Well Diameter	(2)14 in.	Volum	ne 3/4"= 0.02	1"= 0.04 2"= 0.17	3"= 0.38
Total Depth	35.92 ft.	Facto	r (VF) 4"= 0.66	5"= 1.02   6"= 1.50	12"= 5.80
Depth to Water	DY tt.		v3 (coco volume) =	Estimated Purge Volume	: gal.
_	xvF _	= <u></u>	X3 (Case volume)	Time Started:	(2400 hrs)
Purge Equipment:		Sampling Equip	ment:	Time Completed:	(2400 hrs)
Disposable Bailer		Disposable Bailer		Depth to Product:	fi
Stainless Steel Bailer		Pressure Bailer		Depth to Water: Hydrocarbon Thickne	ft es: ft
Stack Pump		Discrete Bailer		- Visual Confirmation/E	escription:
Suction Pump		Other:		Skimmer / Absorbant	Sock (circle one)
Grundfos				Amt Removed from S	kimmer: gal
Other:	<del></del>				Vell: gal
		/ \		Water Removed: Product Transferred	
		/	<u>\</u>	Product Transferred	
Sample Time/Date Purging Flow Rate Did well de-water?  Time (2400 hr.)	e:gpm.	Water Conductivity  OH  Conductivity (u mhos/cm	volume:  Volume:  Temperature (C/F)	gal.  D.O. (mg/L)	ORP (mV)
			/ INFORMATION TYPE LABORATO	RY ANA	LYSES
SAMPLE ID	(#//00/11/2		/ LANCASTE		
MW -	/ x voa vial	YES HCL	LANCASTE		
MW -	/ x amber		/		
		/			
COMMENTS:	Well is	dry at	35.12 8	- unable t	o comove
A . 1 . 175			Add/Replaced	Plug: Si	ze:
Add/Replac	ea Lock:	_	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	·	

# Chevron Northwest Region Anal, as Request/Chain of Custody



Acct. #: 11260 Sample #: 4368485-87

·	i												A	naly	805	Ret	ques	tea						
Facility #: SS#209335 - G-R#386	7 <b>5</b> 0				П	A	Aatri	K						rese		tion	Coc	es					tive Code T = Thiosi	
					_						<u> </u>	_	H.	出		╂╌	-		┢	├─		H = HCl N = HNO₃	B = NaOH	
Site Address 25 N. 45th Street, SEA					-			Τ-	ł				<b>\</b>		Н	1	i						O = Other	
Chevron PM: BH	1	Consultant: SA			-		φø	ŀ	5	1			802	9	Ш		ç					☐ J value report	ng needed	-
Consultant/OfficeG-R. Inc., 6747 Sie	ra Cour	<u>t. Suite J. Di</u>	<u>ıblin. Ca. 9</u>	456	<u>B</u>		Post Post Post Post Post Post Post Post		Containers	l B			8	\$ 8	☐ Method		fication		· .			☐ Must meet lov possible for 8		
Consultant Prj. MgDeanna L. Harding	(dear	ma@grinc.c	<u>am)</u>		-		☐ Potable		[5	☐ 8260 ☐ Naphth			立			1	Man					8021 MTBE Con	-	11.03
Consultant Phones 5-551-7555	i	_ Fax #:g	25-551-789	9	]		4	1	Ö	8 8 2 1		- gg	+61万	3 š	SS		ļĎ		=			Confirm MTBI		alene
Sampler: Ben Newton	1		<u></u>		9		. ,	Air	Ę	•	គ	Oxygenates	U	ا ما	יין		물			ļ	İ	Confirm highe	st hit by 82	
Service Order #:	N	on SAR:			8		, <b>,</b>		롣	¥	8	ő	₽₩.	E	10E	F	NWTPH H HCID			ŀ	}	☐ Confirm all hit		at hif
	· .	Date Collected	Time Collected	Grab	Composite	Soil	Water		Total Number	BTEX + MTBE	8260 full scan		X	×	P89.	VPHEPH	Ę	1		ļ		□ Runoxy		
Sample Identification	<del>                                     </del>	9-29-04	COHECTEU	X	Ť	•	X	Ť	2	Ī		Ť	X	Ť	·:	Ť		厂	Γ			Comments / F	lemarks	,
- MW-3	<u> </u>	1	1315	×			X	1	5				X	メ	1						٠,	<u>]</u> :		
MW-4	·	-	1345	X			X		5				Х	X				L				]		•
					·		1.4	L	L	_		L	<u> </u>		<u> </u>	$\perp$	$oxed{\bot}$	<b> </b>	<u> </u>	L	L	1	•	
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Data Package Options (please circle if	required)		Relinqu	Ishec	by:		i.			-		7	-Date	<b></b>	Tim	θ	Rece	eived	by:		,		Date	Time
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Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300

Copies: White and yellow should accompany samples to Laboratories. The pink copy should be retained by the clien



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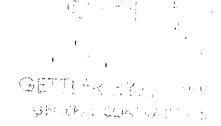
#### ANALYTICAL RESULTS

Prepared for:

ChevronTexaco 6001 Bollinger Canyon Road L4310 San Ramon CA 94583 925-842-8582

Prepared by:

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



#### **SAMPLE GROUP**

The sample group for this submittal is 914882. Samples arrived at the laboratory on Tuesday, October 05, 2004. The PO# for this group is 99011184 and the release number is HUNTER.

Client Description
QA Water Sample
MW-3 Grab Water Sample
MW-4 Grab Water Sample

<u>Lancaster Labs Number</u> 4368485 4368486 4368487

1 COPY TO ELECTRONIC COPY TO SAIC Gettler Ryan Attn: Ms. Deanna Harding Attn: Michael Sharaeff



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Questions? Contact your Client Services Representative Teresa L Cunningham at (717) 656-2300.

Respectfully Submitted,

Victoria M, Martell Chemist



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Page 1 of 1

4368485 Lancaster Laboratories Sample No. WW

QA Water Sample Job# 386750 Facility# 209335 1225 N. 45th Street - Seattle, WA Collected: 09/29/2004

Submitted: 10/05/2004 09:10 Reported: 10/15/2004 at 09:37

Discard: 11/15/2004

Account Number: 11260

ChevronTexaco 6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

No Repoised

45TQA

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
08213	BTEX (8021)		1			•
00776 00777 00778 00779	Benzene Toluene Ethylbenzene Total Xylenes	71-43-2 108-88-3 100-41-4 1330-20-7	N.D. N.D. N.D. N.D.	0.5 0.5 0.5 1.5	ug/l ug/l ug/l ug/l	1 1 1
08274 01648	TPH by NWTPH-Gx waters TPH by NWTPH-Gx waters	n.a.	N.D.	50.	ug/l	1

		Laboratory	Chro	nicle Analysis		Dilution
CAT	Analysis Name	Method		Date and Time	Analyst	Factor
No.	BTEX (8021)	SW-846 8021B		10/08/2004 15:23	Linda C Pape	1
08213	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.		10/08/2004 15:23	Linda C Pape	1
08274	GC VOA Water Prep	SW-846 5030B		10/08/2004 15:23	Linda C Pape	1



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Page 1 of 1

Lancaster Laboratories Sample No. WW 4368486

MW-3 Grab Water Sample Facility# 209335 Job# 386750 1225 N. 45th Street - Seattle, WA Collected: 09/29/2004 13:15 by BN

Account Number: 11260

Submitted: 10/05/2004 09:10 Reported: 10/15/2004 at 09:37 ChevronTexaco, 6001 Bollinger Canyon Road

L4310

Discard: 11/15/2004

San Ramon CA 94583

45TH3

				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.	250.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	250.	ug/l	1
08213	BTEX (8021)					
00776	Benzene	71-43-2	N.D.	0.5	ug/l	1
00777	Toluene	108-88-3	N.D.	0.5	ug/l	1
00778	Ethylbenzene .	100-41-4	N.D.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	50.	ug/l	1

T 1	Ole 1 - 1 -	_
Laboratory	Chronicie	2

CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97- 602 (modified)	1	10/13/2004 00:07	Robert Brown	1
08213	W/SIGE1 BTEX (8021)	SW-846 8021B	1	10/08/2004 15:59	Linda C Pape	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	10/08/2004 15:59	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/08/2004 15:59	Linda C Pape	1
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602,	1	10/08/2004 07:45	Danette S Blystone	1



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Page 1 of 1

4368487 Lancaster Laboratories Sample No. WW

MW-4 Grab Water Sample Facility# 209335 Job# 386750 1225 N. 45th Street - Seattle, WA Collected: 09/29/2004 13:45 by BN

Submitted: 10/05/2004 09:10 Reported: 10/15/2004 at 09:37 Discard: 11/15/2004

Account Number: 11260

ChevronTexaco 6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

45TH4

				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.	250.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	250.	ug/l	1
08213	BTEX (8021)			:		
00776	Benzene	71-43-2	18.	0.5	ug/l	1
00777	Toluene	108-88-3	40.	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	76.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	170.	1.5	ug/l	1
08274	TPH by NWTPH-Gx waters	,		,		
01648	TPH by NWTPH-Gx waters	n.a.	1,500.	50.	ug/l	¹ .

O3.10		Laboratory	Chro	nicle Analysis		Dilution
CAT No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
NO. 02211	TPH by NWTPH-Dx(water)	NWTPH-Dx, ECY 97-	1	10/13/2004 00:32	Robert Brown	1
08213	w/SiGel BTEX (8021)	602(modified) SW-846 8021B	1	10/08/2004 16:35	Linda C Pape	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	10/08/2004 16:35	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/08/2004 16:35	Linda C Pape	1
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602,	1	10/08/2004 07:45	Danette S Blystone	1



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### Quality Control Summary

Client Name: ChevronTexaco

Reported: 10/15/04 at 09:37 AM

Group Number: 914882

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 EREC	LCSD <u>%REC</u>	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 042810010A Diesel Range Organics Heavy Range Organics	Sample n ''N.D. N.D.	umber(s): 250. 250.	4368486-43 ug/l ug/l	68487 78		51-113	l ş	
Batch number: 04281A53A	Sample n	umber(s):	4368485-43	68487				
Benzene	N.D.	.5	ug/l	104	99	79-123	5	30
Toluene	N.D.	.5	ug/l	101	97	82-119	4	30
Ethylbenzene	N.D.	.5	ug/1	100	95	81-119	5	30
Total Xylenes	N.D.	1.5	ug/l	101	96	82-120	5	30
TPH by NWTPH-Gx waters	N.D.	50.	ug/l	91	91	70-130	1	30

### Sample Matrix Quality Control

Analysis Name			MSD nits RPD	RPD MAX	BKG <u>Conc</u>	DUP <u>Conc</u>	DUP <u>RPD</u>	Dup RPD <u>Max</u>
Batch number: 042810010A Diesel Range Organics Heavy Range Organics	Sample	number(s):	4368486-436	8 <b>487</b>	N.D. N.D.	N.D. N.D.	0 (1) 0 (1)	20 20
Batch number: 04281A53A	Sample	number(s):	4368485-436	8487				
Benzene	98 -	78-	-131					
Toluene	96	78-	-129					
Ethylbenzene	98	75-	-133					
Total Xylenes	96	78-	-130					
TPH by NWTPH-Gx waters	86	63 -	-154					

#### Surrogate Quality Control

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel Batch number: 042810010A

Orthoterphenyl

4368486	78
4368487	86
Blank	85
DUP	83
LCS	96

#### \*- Outside of specification

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



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### Quality Control Summary

Client Name: ChevronTexaco

Group Number: 914882

Reported: 10/15/04 at 09:37 AM

Surrogate Quality Control

50-150

Analysis Name: BTEX (8021)

Batch numb	per: 04281A53A Trifluorotoluene-P	Trifluorotoluene-F
4368485	96	96
4368486	97	93
4368487	94	90
Blank	100	103
LCS	97	92
LCSD	98	96
MS	94	90
Limits:	72-128	57-146

\*- 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.



### **Explanation of Symbols and Abbreviations**

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

N.D. none detected TNTC Too Numerous T IU International Uni micromhos/cm C degrees Celsius meq milliequivalents g gram(s) ug microgram(s) milliliter(s) cubic meter(s)	<b></b>	Below Minimum Quantitation Level Most Probable Number cobalt-chloroplatinate units nephelometric turbidity units degrees Fahrenheit pound(s) kilogram(s) milligram(s) liter(s) microliter(s)
--	---------	--

- 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
- J estimated value The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).
- 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. All other results are reported on an as-received basis.

Inorganic Qualifiers

#### U.S. EPA CLP Data Qualifiers:

#### Organic Qualifiers

	Organic Qualitiers		morgamo quaminore
Α	TIC is a possible aldol-condensation product	В	Value is <crdl, but="" th="" ≥ldl<=""></crdl,>
В	Analyte was also detected in the blank	E	Estimated due to interference
Ċ	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
Ď	Compound quantitated on a diluted sample	N	Spike sample not within control limits
Ē	Concentration exceeds the calibration range of	S	Method of standard additions (MSA) used
_	the instrument		for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and	W	Post digestion spike out of control limits
	confirmation columns >25%	*	Duplicate analysis not within control limits
U	Compound was not detected	+	Correlation coefficient for MSA < 0.995
X,Y,Ž	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.

Measurement uncertainty values, as applicable, are available upon request.

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.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

### FORMER CHEVRON SERVICE STATION #209335 Seattle, Washington

MONITORING & SAMPLING EVENT OF JANUARY 4, 2005



### WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #:	ChevronTexaco	#209335	;	Job Number:	386750		_
	225 N. 45Th St			Event Date:	1-4-05		(inclusive
_	Seattle, WA			Sampler:	Ben Newton		<u> </u>
City.	seattle, vir					1	
Well ID	MW - /	Date	Monitored:	1-4-05	Well Condition:	OK_	
Well Diameter	(2) / 4 in.		Volume	3/4"= 0.02	1"= 0.04 2"= 0.17	7 3"= 0.38	
Total Depth	38.38 ft.		Factor (VF	= :	5"= 1.02 6"= 1.50		
Depth to Water	37.6 ft.				- u ID Malum		nol
-	x\	/F	=	_x3 (case volume) =	Estimated Purge Volun		
Purge Equipment:		Sar	npling Equipmen	t:	Time Started: Time Completed:		_(2400 hrs) _(2400 hrs)
Disposable Bailer			posable Bailer		Depth to Product:		ft
Stainless Steel Bailer			ssure Bailer		Depth to Water:		ft ft
Stack Pump			crete Bailer		Hydrocarbon Thickr Visual Confirmation	ness: /Description:	
Suction Pump		Oth	лег:		<b>→</b>		
Grundfos	·				Skimmer / Absorba	nt Sock (circle o	ne)
Other:			/ \	\	Amt Removed from	Well:	gal
			/	1	Water Removed:		<del></del>
				\	Product Transferred	d to:	
			. /2				
Start Time (purge		Weat	her Conditions			:	
Sample Time/Da	te:X		/ Water Color		_ <del></del>		<del>_</del>
Purging Flow Ra	te: gpm.		ent Description				<del></del>
Did well de-wate	r?	If yes, Tin	ne:	Volume:	gal.		•
		$\sim$	Conductivity	Temperature	D.O.	ORP	
Time (2400 hr.)	Volume (gal.)	b⊬(	(umhos/cm)	(C/F)	(mg/L)	(mV)	
(2400 111.)	(90)		,		_/		<u></u>
		<del>/</del> \			Z <u> </u>		<u></u>
	7						
	- <i>/-</i>						
							_
	7	LA	BORATORYINI	FORMATION			
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYP		<del>``</del>	ALYSES	
MW -	x voa vial	YES	HCL	LANCASTE			
MW -	x amber	YES	HCL	LANCASTE	R TPH-D w/sgc		<del>- ,</del>
	/			<del></del>	<del>-+</del>		
	4		<del> </del>	+			
	100 (100)	<u> </u>	<u> </u>	_ <del></del>			<u> </u>
COMMENTS:	Monitori	ng On	<u> </u>				
		<u> </u>					
				A -1-10011	Diver	 Size:	
Add/Repla	ced Lock:			Add/Replaced	riug: `	JIZE	_



# WELL MONITORING/SAMPLING FIELD DATA SHEET

wronTexaco #  5 N. 45Th Stre  attle, WA  MW - 2  2) 4 in.  1:62 ft.  39:80 ft.  xVF	Date	Monitored:	3/4"= 0.02	1"= 0.04		ok	_ (inclusiv 
MW - 2 2) / 4 in. 1/62 ft. 39,80 ft.		Volume	3/4"= 0.02	Well C	ondition:	ok	<del>-</del>
2) 4 in. 11.62 ft. 39.80 ft.		Volume	3/4"= 0.02	1"= 0.04		ok	
1.62 ft. 89.80 ft.					2"- 0 47		
39,80 ft.						3"= 0.38	٦ .
				5"= 1.02	6"= 1.50	12"= 5.80	
xVF							
		_==	_ x3 (case volume) =	Estimated P	urge Volume:		
	Sam	pling Equipmen	nt:	Time Sta	mplotod:		(2400 hrs) _(2400 hrs)
		osable Bailer		Depth to	Product: 3	7.88	_(2700 iii3) ft
		•		Depth to	Water: 3	ti aCi	ft
<del></del>							ft
			-	- Visual Co	onfirmation/De	escription:	
<del></del> ,	0	7		Skimmer	/ Absorbant §	Sock (circle on	e)
		/				ell:	gal
		ſ		Water Re	emoved:	· Oslescoal	Z_
Volume (gal.)	рН	Conductivity (u mhos/cm)	Temperature (C/F)	D.0	O.	ORP (mV)	- -
	$\sum$					·-	<del>-</del> -
	1	BORATORY IN	FORMATION		<del></del>		
#) CONTAINER   F				Y   \	ANALY	/SES	
x voa vial	YES	HCL	LANCASTER	TPH-G/B	STEX		
x amber	YES	HCL	LANCASTER	TPH-D w	//sgc		
	· ·	i- c6	01), _12 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		I CDD		
Not sample	ed au	~ TO SI	H-Dailed	. <i>Cr. 90</i>	<u>۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔</u>		<u> </u>
	Volume (gal.)  ## CONTAINER  x voa vial  x amber	Weath    gpm. Sedime   If yes, Time   Volume	J Sediment Description If yes, Time:  Volume (gal.)  Volume (gal.)  LABORATORY IM  X voa vial YES HCL  X amber YES HCL  Not Sampled and to Sf	Discrete Bailer Other:  Weather Conditions:  Water Color:  gpm. Sediment Description:  If yes, Time:  Volume (gal.)  LABORATORY INFORMATION  (Winhos/cm)  LABORATORY INFORMATION  X voa vial  YES  HCL  LANCASTER  Not Sampled due to SPH - Bailed	Discrete Bailer  Discrete Bailer  Other:    Weather Conditions:	Discrete Bailer Discrete Bailer Other:  Weather Conditions:  Water Color:  J Wolume:  J Water Conductivity  J Temperature:  J D.O.  J Margania Margania  J Margania	Hydrocarbon Thickness: 1,92





### WELL MONITORING/SAMPLING FIELD DATA SHEET

	D9335	Job Number:	386750	<del></del>
Client/Facility #: ChevronTexaco #20 Site Address: 1225 N. 45Th Street		Event Date:	1-4-05	(inclusive
City: Seattle, WA		Sampler:	Ben Newton	<del></del>
	Date Monitored:	1-405	Well Condition: 0)	-
Vell ID MW - 3	Date Monitored.	(, 1-0)		
Vell Diameter 2/4 in.	Volume		1 = 0.01 = 0.01	= 0.38 '= 5.80
otal Depth 41.63 ft.	Factor (	VF) 4"= 0.66	5"= 1.02 6"= 1.50 12"	- 5.60
Depth to Water 38 il ft.	=	x3 (case volume) =	Estimated Purge Volume:	gal.
<del></del>			Time Started:	(2400 hrs)
Purge Equipment:	Sampling Equipme	ent:	Time Completed:	(2400 hrs)
Disposable Bailer	Disposable Bailer		Depth to Product:	
Stainless Steel Bailer	Pressure Bailer		Depth to Water: Hydrocarbon Thickness:	ft ft
	Discrete Bailer		- Hydrocarbon Thickness - Visual Confirmation/Descrip	
Stack Pump	Other:		Visual Committation Descrip	
Suction Pump	Outer.		Skirmmer / Absorbant Sock	(circle one)
Grundfos	\ /		And Removed from Skimm	er: gal
Other:			Amt Removed from Well:_	
	$\lambda$		Water Removed:	
		,	Product Transferred to:	
Time Values	Conductivity (umhos/cm)	Volume:	D.O.	ORP (mV)
	$\overline{}$		<u> </u>	
	LABORATORY		RY /\ ANALYSE	<u></u> -
/		PE LABORATO	···	
SAMPLE ID / (#) CONTAINER RI	EFRIG. PRESERV. TY		- 1~bu cotty	
(A) 44 (A)	YES / HCL	LANCASTE		
MW - 3/ x voa vial	/	LANCASTE LANCASTE	· · · · · · · · · · · · · · · · · · ·	
MW - 3/ x voa vial	YES / HCL		· · · · · · · · · · · · · · · · · · ·	
MW - 3/ x voa vial	YES / HCL		· · · · · · · · · · · · · · · · · · ·	
MW - 3/ x voa vial	YES HCL YES HCL		· · · · · · · · · · · · · · · · · · ·	



# WELL MONITORING/SAMPLING FIELD DATA SHEET

lient/Facility #: ChevronTexaco #209335 lite Address: 1225 N. 45Th Street	<del>-</del>	11 77	
	Event Date:	1-4-05	(inclusive
City: Seattle, WA	Sampler:	Ben Newton	
Vell ID MW - Date Monitored	1: 1-4-05	Well Condition: のん	
Well Diameter 2 1 4 in.	ne 3/4"= 0.02	1"= 0.04 2"= 0.17 3"= 0.	.38
	or (VF) 4"= 0.66	5"= 1.02 6"= 1.50 12"= 5	5.80
Depth to Water 38 : 11 ft.			
xVF=	x3 (case volume) =	Estimated Purge Volume:	gal.
O Provide		Time Started:	(2400 hrs)
Purge Equipment: Sampling Equip	. 1	Time Completed: Depth to Rroduct:	(2400 hrs) ft
Disposable Bailer Disposable Bailer		Depth to Water:	ft
Stainless Steel Bailer Pressure Bailer		Hydrocarbon Thickness:	ft
Stack Pump Discrete Bailer	<del></del>	<ul> <li>Visual Confirmation/Description</li> </ul>	n:
Suction Pump Other:		Skimmer / Absorpant Sock (cir	cle one)
Grundfos		Amt Removed from Skimmer:	gal
Other:		Amt Removed from Well:	gal
`		Water Removed:	
		Product Transferred to:	
Sample Time/Date: 715 /1-4-5 Water Conductivity  Time (2400 hr.) (gal.) PH Conductivity  (umhos/cn	tion: Volume:	Odor: \( \frac{\fir}{\frac{\f	
			<del></del>
	$\angle$ $\rightarrow$ $-$		
LAPORATOR	/ INFORMATION		
SAMPLE ID (#) CONTAINER REFRIG. PRESERV.		RY ANALYSES	
MW - 4 3 x voa vial YES HCL	LANCASTE		
MW - 7 x amber YES HCL	LANCASTE		
COMMENTS: NO PURGE	<del></del>		
Add/Replaced Lock:	Add/Replaced	Plug: Size:	



# GETTLER-RYAN INC.

### WELL MONITORING/SAMPLING FIELD DATA SHEET

Site Address:         1225 N. 45 Th Street         Event Sets.           City:         Seattle, WA         Sampler:         Ben Newton           Well ID         MW - 5         Date Monitored:         Well Condition:         O/L           Well Diameter         2/1 4 in.         Volume 3/4"= 0.02 1"= 0.04 2"= 0.17 3"= 0.38 Factor (VF) 4"= 0.66 5"= 1.02 6"= 1.50 12"= 5.80           Depth to Water         NVF         = x3 (case volume) = Estimated Purge Volume:         gal.           Purge Equipment:         Disposable Bailer         Disposable Bailer         Depth to Product:         Depth to Water:	liont/Eggility #: C	hevronTexaco#	209335		Job Number:	386750	
Well ID  MW - 5  Well Diameter  Other:  Start Time (purge):  Start Time					Event Date:	1-4-05	(inclusi
Mell ID	_		<u> </u>		Sampler:	Ben Newton	
Well Diameter    2							1
Total Depth	Vell ID		Date M	lonitored: _	1-4-05	Well Condition:	0K
Factor (VF)	Well Diameter _	<u> </u>		Volume	3/4"= 0.02	1"= 0.04 2"= 0.17	
Depth to Water    XVF	otal Depth	35.94 ft.			F) 4"= 0.66	5"= 1.02 6"= 1.50	12"= 5.80
Purge Equipment: Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Discosable Bailer Discosable Bailer Discosable Bailer Pressure Bailer Discosable Bailer Depth to Water: Hydroduct: Hydroduct: Hydroduct: Hydroductivity Weather Conditions: Water Color: Purging Flow Rate:  gpm. Sediment Description: Did well de-water?  If yes Time: Volume: Did well de-water?  Time (2400 hr.)  Sediment Description: Fonductivity Temperature (C/F)  D.O. ORP (mg/L) (my/)  LABORATORY INFORMATION  ANALYSES  MMV - xvaa vial YES HCL LANÇASTER TPH-G/BTEX  TPH-D/BTEX  TPH-D/BTEX  TPH-D w/sgc	Depth to Water	() (2) ft.		<u></u>			1
Sampling Equipment: Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Discrete Bailer Di	_	xVF	<del></del>	. <del>-</del>	_x3 (case volume) =		
Disposable Bailer Stainless Steel Bailer Stainless Steel Bailer Stainless Steel Bailer Stack Pump Discrete Bailer Discrete Bai			Compl	ina Equipmen	<b>.</b> • •	Time Started:	(2400 hrs)
Depth to Water: Stack Pump Suction Pump Grundfos Other:  Start Time (purge):  Purging Flow Rate:  1	ourge Equipment:		•	=	<b>.</b>	Denth to Product:	(£4001113
Stark Pump Suction Pump Grundfos Other:  Start Time (purge):  Start Time (purge):  Sample Time/Date:  Purging Flow Rate:  gpm.  Sediment Description:  Water Color:  Volume:  Volume:  (2400 hr.)  SAMPLE ID  SAMPLE ID  (#) CONTAINER  REFRIG.  PRESERV. TYPE  LABORATORY INFORMATION  LABORATORY INF	Disposable Bailer		•			Depth to Water:	ft
Start Time (purge):  If yea Time:  Start Time (purge):  Start Time (purg	Stainless Steel Bailer		•		<del></del>	Hydrocarbon Thickness	s:ft
Grundfos Other:    Skimmer   Absorbant Sock (circle one) Amt Removed from Skimmer:   Amt Removed from Skimmer:   Amt Removed from Well:   Water Removed:   Product Transferred to:   Product Transferred to:   Product Transferred to:   Volume	Stack Pump				<del>/</del>	<ul> <li>Visual Confirmation/De</li> </ul>	scription:
Start Time (purge):  Start Time (purge):  Weather Conditions:  Water Removed:  Product Transferred to:  Water Removed:  Product Transferred to:  Water Removed:  Product Transferred to:  Volume:  (2400 hr.)  SAMPLE ID  (#) CONTAINER  REFRIG.  PRESERV. TYPE  LABORATORY INFORMATION  ANALYSES  HCL  LANCASTER  TPH-D w/sgc	Suction Pump	\ <del></del>	Other:	<del></del>	<u>/</u>	-	ingly (girolo and)
Other:	Grundfos	\				Amt Removed from Ski	immer asi
Start Time (purge): Sample Time/Date: Purging Flow Rate: Spm. Sediment Description: Did well de-water?  Time (2400 hr.)  LABORATORY INFORMATION  SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES  MW - x voa vial YES HCL LANCASTER TPH-D w/sgc  Water Removed: Product Transferred to: Odor:  Volume: Volume: OGRP (my/L)  Conductivity (mw/l)  Temperature (C/F)  (C/F)  CORP (mg/L)  (mv/l)  ANALYSES  HCL LANCASTER TPH-G/BTEX  TPH-D w/sgc	Other:					Amt Removed from W	ell: gal
Start Time (purge): Sample Time/Date: I					****	Water Removed:	
Sample Time/Date:    Purging Flow Rate:   gpm.   Sediment Description:   Volume:   gal.						Product Transferred to:	
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES  MW -	Time	Volume		Conductivity	Temperature	D.O.	
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES  MW -			<del></del>		FORMATION		
MW - x voa vial YES HCL LANÇASTER TPH-G/BTEX  MW - X samber YES HCL LANÇASTER TPH-D w/sgc		1 40 000 4005				RY ANALY	rSES
MW - x voa vial res not LANÇASTER TPH-D w/sgc		<del></del>			<u> </u>		
		<del></del>					
COMMENTS: WELL IS DOY	1010.0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					·
comments: Well is do							
	COMMENTS:	Well is	tc/				
Add/Replaced Lock: Add/Replaced Plug: Size:	Add/Replac	ced Lock:			Add/Replaced	Plug: Size	e:

### Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laborator	<u>ies</u>
Where quality is a science.	

Lancaster Laboratories Where quality is a science.					A	ct. #:	<u>.j)</u>	<u>a</u> u	eO	_ Sa	F ample	or La	incas 144	er La	bor	ntorie 7	8	on!	y Oroup scr#:	#-92	744
• vvnere quality is a science.						i							808						7		
Facility #: SS#209335 G-R#386750			•	Γ	Matil	×		匚	_	_			rvat	on C	ode	8	+	7		tive Cod	
Site Address 25 N. 45th Street, SEATTLE					: 			8260 - Naphth	-		n	F		+	1	-{-	$\dagger$	+	H = HCl N = HNO <sub>3</sub> S = H <sub>2</sub> SO <sub>4</sub>	T = Thio: $B = NaO$ $O = Other$	H
	I Consultant: SA				e 07		20	Ş Z	1		12	9-				'			☐ J value report	ing needed	d .
Consultant/OfficeG-R, Inc., 6747 Sierre Court, Suite J. Dublin, Ca. 94568					Potable     Potable		of Containers	8			208	Extended Rng. Stics Gel Cleanup	De le	acite/Bisson		1			☐ Must meet lov	west detect	tion limits
Consultant Prj. Madeanna L. Harding (deanna@grinc.com)							ટ્	8			既	<b>B</b> 3		1	3	.   '	1	ı	possible for 8	-	ounds ·
Consultant Phone \$25-551-7555	Fax #: <u>9</u> ;	25-551 <b>-789</b>	<u>9</u>	1	一位	7	Į o	8021		g	\$2	See L	iss			-	Ì		8021 MTBE Cor		nalene
Sampler: Bon Novitor	·		Ð		1	₽ir⊓	E De		s	Oxygenates	# 5	24 PH		<u> </u>	3				Confirm high	est hit by 8	260
Service Order #:	Non SAR:				<b>1</b>		2	¥	S	ð	TPHG	13 O FT	를 다	VPREPRI		. l	ŀ		Confirm all hi		
Sample Identification	Date Collected	Time Collected	Grab Composite	8	Water	_	Total Number	BTEX + MTBE	8260 full scan		X	¥	8	VPTGPT			<u>:   ·</u>	$\perp$	☐ Runox	s on all hi	
<b>GA</b>	1-4/05		<u>X</u> _	<del> </del> _	X		2	<b>├</b>	┞	-	X	-	$\vdash$	_	+		+	-	Comments / F	Remarks	
MW-4		915	<u>X</u>	╁	X	╂┉╂	5	<u> </u>	-		Х	X		-+	+		+		Some Sa	mples	
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Turnaround Time Requested (TAT) (please c	rcle)	Relingui	shed by:	1	W	br	1	į. L	,		Date		Time	Re	celv	ed by:	:			Date	Time
STD. TAT 72 hour 48 ho 24 hour 4 day 5 day			shed by:		***		_				Date	·	Time	-	celv	ed by		<u> </u>		Date	Time
Data Fackage Options (please circle if required		Relinqui	shed by:		Ţ,		<u>:</u>				Date	十	Time	Re	celv	ed by	-			Date	Time
QC Summary Type I - Full Type VI (Raw Data) Disk / EDD WIP (RWQCB) Standard Format Disk Other.	EDF/EDD	UPS	shed by Fe	dEx	<b>)</b>	Ot	her_	·/-	C°	\ *		_!_		<u> </u>	_}	y Sea				Date 17/05	Time

600p#927442



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

#### ANALYTICAL RESULTS

Prepared for:

ChevronTexaco 6001 Bollinger Canyon Road L4310 San Ramon CA 94583 925-842-8582

Prepared by:

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

#### SAMPLE GROUP

The sample group for this submittal is 927442. Samples arrived at the laboratory on Friday, January 07, 2005. The PO# for this group is 99011184 and the release number is HUNTER.

Client Description

QA Water Sample

MW-4 Grab Water Sample

<u>Lancaster Labs Number</u> 4442487 4442488

1 COPY TO ELECTRONIC COPY TO SAIC Gettler Ryan Attn: Ms. Deanna Harding Attn: Michael Sharaeff



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

Questions? Contact your Client Services Representative Megan A Moeller at (717) 656-2300.

Respectfully Submitted,

Valerie Tomayko Senior Chemist



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Page 1 of 1

Lancaster Laboratories Sample No. WW 4442487

QA Water Sample Facility# 209335 Job# 386750 1225 North 45th Street-Seattle, WA Collected:01/04/2005

Submitted: 01/07/2005 09:10 Reported: 01/14/2005 at 21:47

Discard: 02/14/2005

Account Number: 11260

ChevronTexaco 6001 Bollinger Canyon Road

L4310 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08213	BTEX (8021)					
00776 00777 00778 00779	Benzene Toluene Ethylbenzene Total Xylenes	71-43-2 108-88-3 100-41-4 1330-20-7	N.D. N.D. N.D.	0.5 0.5 0.5 1.5	ug/l ug/l ug/l ug/l	1 1 1 1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	50.	ug/l	1

State of Washington Lab Certification No. C259

		Laboratory	Chro	nicle Analysis		Dilution
CAT No. 08213 08274 01146	Analysis Name BTEX (8021) TPH by NWTPH-Gx waters GC VOA Water Prep	Method SW-846 8021B NWTPH-GX - 8015B Mod. SW-846 5030B	1	Date and Time 01/10/2005 04:37 01/10/2005 04:37 01/10/2005 04:37	Analyst Linda C Pape Linda C Pape Linda C Pape	Factor 1 1 1



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Lancaster Laboratories Sample No. WW 4442488

MW-4 Grab Water Sample Facility# 209335 Job# 386750 1225 North 45th Street-Seattle, WA Collected:01/04/2005 09:15 by BI

Submitted: 01/07/2005 09:10 Reported: 01/14/2005 at 21:47

Discard: 02/14/2005

Account Number: 11260

ChevronTexaco

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

45MW4

				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.	1,600.	250.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	250.	ug/l	1
08213	BTEX (8021)					
00776	Benzene .	71-43-2	10.	0.5	ug/1	1
00777	Toluene	108-88-3	13.	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	60.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	110.	1.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	1,600.	50.	ug/l	1

State of Washington Lab Certification No. C259

CAT		Laboratory	Chro:	nicle Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97- 602(modified)	1	01/11/2005 08:06	Matthew E Barton	1
08213	W/SIGE1 BTEX (8021)	SW-846 8021B	1	01/10/2005 06:48	Linda C Pape	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	01/10/2005 06:48	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	01/10/2005 06:48	Linda C Pape	1
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602, 6/97	1	01/10/2005 03:00	Eryn E Landis	1



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### Quality Control Summary

Client Name: ChevronTexaco

Group Number: 927442

Reported: 01/14/05 at 09:47 PM

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

### Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS <u>%REC</u>	LCSD <u>%REC</u>	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 050080008A Diesel Range Organics Heavy Range Organics	Sample N.D. N.D.	number(s): 250. 250.	4442488 ug/l ug/l	99		51-113		
Batch number: 05009A51B	Sample	number(s):	4442487-4	442488				
Benzene	N.D.	.5	ug/l	110	103	79-123	7.	30
Toluene	N.D.	.5	ug/l	107	103	82-119	3	30
Ethylbenzene	N.D.	. 5 <sup>-</sup>	ug/l	103	104	81-119	0	30
Total Xylenes	N.D.	1.5	ug/l	105	107	82-120	1	30
TPH by NWTPH-Gx waters	N.D.	50.	ug/l	94	91	70-130	4	30

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD <u>Limits</u>	RPD	RPD <u>MAX</u>	BKG <u>Conc</u>	DUP <u>Conc</u>	DUP <u>RPD</u>	Dup RPD <u>Max</u>
Batch number: 050080008A Diesel Range Organics Heavy Range Organics	Sample	number	(s): 4442488	3 .		N.D. N.D.	N.D. N.D.	32* (1) 0 (1)	20 20
Batch number: 05009A51B Benzene Toluene Ethylbenzene Total Xylenes TPH by NWTPH-Gx waters	Sample 99 97 66* 99 96	number	(s): 444248' 78-131 78-129 75-133 78-130 63-154	7-44424	88				

#### Surrogate Quality Control

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel Batch number: 050080008A Orthoterphenyl

4442488	109
Blank	100
DUP	95
LCS	118

Limits:

\*- 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: 927442

Reported: 01/14/05 at 09:47 PM

Surrogate Quality Control

Analysis Name: BTEX (8021) Batch number: 05009A51B

	Trifluorotoluene-P		Trifluorotoluene-F	
4442487	103		107	
4442488	111		111	
Blank	99	,	99	
LCS	104		108	
LCSD	100		100	
MS	101		1,06	
Limits:	72-128		57-146	

\*- 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.



# **Explanation of Symbols and Abbreviations**

Inorganic Qualifiers

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

N.D. TNTC IU umhos/cm C meq g ug ml m3	none detected Too Numerous To Count International Units micromhos/cm degrees Celsius milliequivalents gram(s) microgram(s) milliliter(s) cubic meter(s)	BMQL MPN CP Units NTU F Ib. kg mg I ul	Below Minimum Quantitation Level Most Probable Number cobalt-chloroplatinate units nephelometric turbidity units degrees Fahrenheit pound(s) kilogram(s) milligram(s) liter(s) microliter(s)
1113	cubic meter(s)	<b></b>	

- < 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
- J estimated value The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).
- 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. All other results are reported on an as-received basis.

#### U.S. EPA CLP Data Qualifiers:

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

Measurement uncertainty values, as applicable, are available upon request.

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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