

TRANSMITTAL

February 2, 2004 G-R #386750

TO:

Ms. Romy Freier-Coppinger

SAIC

18706 North Creek Parkway, Suite 110

Bothell, Washington 98011

FROM:

Deanna L. Harding

Project Coordinator Gettler-Ryan Inc.

6747 Sierra Court, Suite J Dublin, California 94568

RE: Former Chevron Service Station

#209335

1225 North 45th Street Seattle, Washington

GEATTLE Housing Authoris

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION				
1	January 28, 2004	Groundwater Monitoring and Sampling Report Event of March 4, 2003 Event of June 3, 2003 Event of October 27, 2003				
		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 February 13, 2004, at which time the final report will be distributed to the following:

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

Current Site Check List included.

RECEIVED

FEB 2 0 2004

DEPT OF ECOLOGY

Enclosure



January 28, 2004 Job #386750

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

RE:

Event of March 4, 2003
Event of June 3, 2003
Event of October 27, 2003
And Monthly Site Visits
Groundwater Monitoring & Samplin

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 three wells (MW-2, MW-4 and MW-5). Static water level data and groundwater elevations are presented in Table 1. Separate Phase Hydrocarbon Thickness/Removal Data is presented in Table 2. Potentiometric Maps are included as Figures 1, 2 and 3.

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

1 Toject Coordinator

Hagop Kevork Professional Engineer RECEIVED

FLB 2 0 2004

DEPT OF ECOLOGY

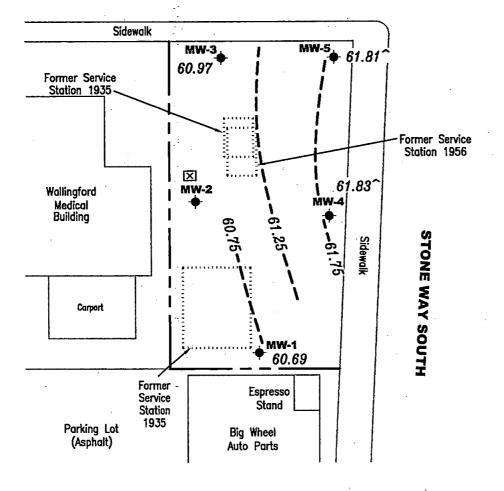
Figure 1: Figure 2: Figure 3: Table 1:

Potentiometric Map - March 4, 2003
Potentiometric Map - June 3, 2003
Potentiometric Map - October 27, 2003
Groundwater Monitoring Data and Analytical Results
Separate Phase Hydrocarbon Thickness/Removal Data Table 2: Standard Operating Procedure - Groundwater Sampling Attachments:

Field Data Sheets

Chain of Custody Document and Laboratory Analytical Reports

NORTH 45TH STREET



EXPLANATION

• Groundwater monitoring well

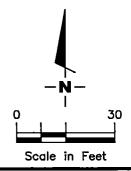
99.99 Groundwater elevation in feet referenced to an arbitrary datum

Groundwater elevation contour, dashed where inferred.

Groundwater elevation corrected for the presence of SPH



Approximate groundwater flow direction at a gradient of 0.02 to 0.03 Ft./Ft.



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



POTENTIOMETRIC MAP

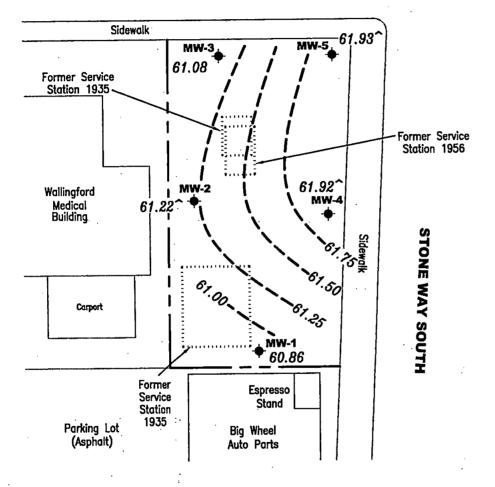
Former Chevron Service Station #209335 1225 North 45th Street Seattle, Washington FIGURE

PROJECT NUMBER 386750

REVIEWED BY

DATE March 4, 2003 REVISED DATE

NORTH 45TH STREET



EXPLANATION

Groundwater monitoring well

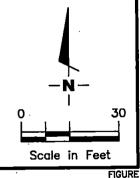
Groundwater elevation in feet 99.99 referenced to an arbitrary datum

Groundwater elevation contour, dashed where inferred.

> Groundwater elevation corrected for the presence of separatephase hydrocarbons



Approximate groundwater flow direction at a gradient of 0.02 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

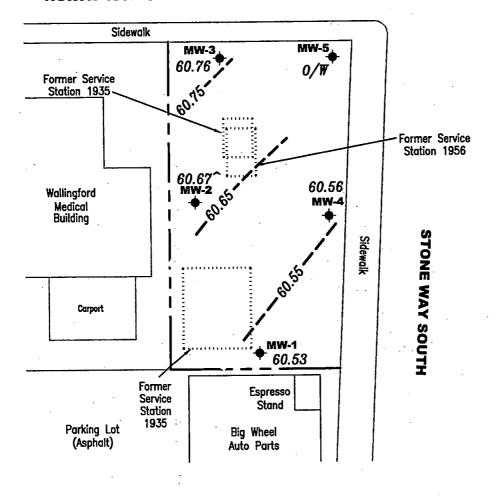
PROJECT NUMBER 386750

REVIEWED BY

DATE June 3, 2003 REVISED DATE

FILE NAME: P:\ENVIRO\CHEVRON\209335\Q03-209335.DWG | Layout Tab: Pot2

NORTH 45TH STREET



EXPLANATION

Groundwater monitoring well

99.99 Groundwater elevation in feet referenced to an arbitrary site datum

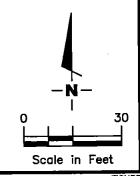
Groundwater elevation contour, dashed where inferred

Groundwater elevation corrected for the presence of separate-phase hydrocarbons

0/₩ Obstruction in Well



Approximate groundwater flow direction at a gradient of 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

REVISED DATE

PROJECT NUMBER REVIEWED BY 386750

DATE October 27, 2003

FILE NAME: P:\ENVIRO\CHEVRON\209335\Q03-209335.DWG | Layout Tab: Pot3

FIGURE

Table 1
Groundwater Monitoring Data and Analytical Results

WELL ID/	DATE	DTP	DTW	SPHT	GWE	TPH-D	ТРН-О	TPH-G	В	T	E	X	MTBE	D. Lead
TOC*(ft.)		(ft.)	(ft.)	(ft.)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)
MW-1														
97.95	$10/11/00^1$		34.50		63.45		23				NID.	ND.	ND	ND ⁴
	12/16/00		35.91	0.00	62.04	$ND^{2,3}$	$ND^{2,3}$	74.4	ND	ND	ND	ND		
	03/26/01		36.54	0.00	61.41	ND^3	ND^3	ND	ND	ND	ND	ND	ND	
	06/25/01		36.78	0.00	61.17	<281 ³	<842 ³	<50.0	< 0.500	< 0.500	<0.500	<1.00		
	09/24/01		37.14	0.00	60.81	<250 ^{3,8}	<500 ^{3,8}	<50.0	< 0.500	< 0.500	< 0.500	<1.00		
	12/13/01		37.25	0.00	60.70	<250 ³	<500 ³	<80.0	< 0.500	<0.500	< 0.500	<1.00		
NP	03/08/02		36.79	0.00	61.16	$<250^3$	$< 750^3$	< 50	< 0.50	< 0.50	< 0.50	<1.5		
	05/29/02		36.44	0.00	61.51	SAMPLED S								
NP	09/16/02		36.71	0.00	61.24	$<250^{3}$	$<250^{3}$	< 50	< 0.50	< 0.50	< 0.50	<1.5		
	12/05/02		37.09	0.00	60.86	SAMPLED S		LLY						"
NP	03/04/03		37.26	0.00	60.69	$<250^{3}$	$<250^{3}$	100	< 0.50	< 0.50	< 0.50	<3.0		
1	06/03/03		37.09	0.00	60.86	SAMPLED S	SEMI-ANNU	ALLY						
V	10/27/03		37.42	0.00	60.53	NOT SAMP	LED DUE TO	INSUFFICI	ENT WATER					
MW-2	10/11/00		24.50		64.20					<u></u>				
98.70	10/11/001		34.50	0.00	62.24	$1,000^3$	ND^3	28,100	283	2,560	693	4,020	ND^2	0.00194
	12/16/00		36.46	0.00	61.58	1,180 ^{3,5}	ND^3	17,000	143	1,450	378	2,180	² ND/ND ⁶	
	03/26/01		37.12	0.00	61.33	418 ^{3,5}	<750 ³	11,700	92.3	547	181	1,010		
	06/25/01		37.37 37.72	0.00	60.98	4,840 ^{3,7,8}	<557 ^{3,8}	22,100	120	1,380	658	4,100		
	09/24/01		37.72	0.00	60.81	5,540 ^{3,5}	<500 ³	84,000	185	3,960	1,590	9,950		
	12/13/01	27.24	38.00	0.76				THE PRESEN						
	03/08/02	37.24			61.74***			THE PRESEN						
	05/29/02	36.81	37.54	0.73				THE PRESEN		%				
	09/16/02	37.19	37.61	0.42		NOT SAMP	LED DUE 10	THE FRESER	CL OF SITE					
	10/15/02	37.24	37.68	0.44	61.37***									
	11/22/02	37.12	37.63	0.51	61.48***	NOT CAMP	ED DUE TO	THE PRESEN	CE OE CDU					
	12/05/02	37.51	38.10	0.59					CE OF SFR					
	01/28/03	36.77	37.33	0.56	61.82***		-		-					_
	02/13/03	37.44	38.02	0.58	61.14***					-				
	03/04/03	INACCES	SSIBLE - V	EHICLE I	ARKED O	VER WELL								

Table 1 Groundwater Monitoring Data and Analytical Results

								Douttio, Wasi							
WELL ID	1	DATE	DTP	DTW	SPHT	GWE	TPH-D	ТРН-О	TPH-G	В	T	E	X	MTBE	D. Lead
TOC*(fi.)			(ft.)		(ft.)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)
Control Control	<u> </u>	***************************************										• •			
MW-2		04/21/03	37.21	37.78	0.57	61.38***									
(cont)		05/08/03	37.43	37.94	0.51	61.17***					3				
(cont)		06/03/03	37.37	37.91	0.54	61.22***	NOT SAMPL	ED DUE TO	THE PRESE	NCE OF SPH					
		07/06/03	36.96	37.51	0.55	61.63***					 ,			•	
		08/18/03	37.49	38.02	0.53	61.10***					- 1				
		10/27/03	37.54	39.98	2.44	60.67**	NOT SAMPI	LED DUE TO	THE PRESE	NCE OF SPH	[-	
		11/17/03	37.10	37.58	0.48	61.50**					:	'	'		
		12/31/03	36.18	38.19	2.01	62.12**	<u>.</u>							-	
		12/01/00						٠.			,		•		
														•	
MW-3						•					•				
98.76		10/11/00 ¹		34.00		64.76						. 			 . 4
70.70		12/16/00		36.39	0.00	62.37	ND^3	ND^3	ND	ND	0.612	ND	1.95	ND	ND ⁴
		03/26/01		37.05	0.00	61.71	ND^3	ND^3	ND	ND	ND	ND	ND	ND	
		06/25/01		37.29	0.00	61.47	<250 ³	<750 ³	<50.0	< 0.500	<0.500	<0.500	<1.00		
		09/24/01		37.64	0.00	61.12	$<250^{3.8}$	<500 ^{3,8}	<50.0	< 0.500	< 0.500	<0.500	<1.00		
		12/13/01		37.78	0.00	60.98	<250 ³	<500 ³	<80.0	< 0.500	<0.500	< 0.500	<1.00		
	NP	03/08/02		37.28	0.00	61.48	<250 ³	<750 ³	320	<0.50	0.64	2.1	15		
		05/29/02		36.92	0.00	61.84	SAMPLED S	EMI-ANNUA	LLY		- :				
	NP	09/16/02		37.21	0.00	61.55	<250 ³	<250 ³	<50	< 0.50	<0.50	<0.50	<1.5		
	• • •	12/05/02		37.58	0.00	61.18	SAMPLED S	EMI-ANNUA	LLY						
	NP	03/04/03		37.79	0.00	60.97	<250 ³	<250 ³	<50	< 0.50	<0.50	<0.50	<1.5		
		06/03/03		37.68	0.00	61.08	SAMPLED S	SEMI-ANNU	ALLY						
	NP	10/27/03		38.00	0.00	60.76	<250 ³	<250 ³	<50	<0.5	<0.5	<0.5	<1.5		
											A				
MW-4												•			
98.52		10/11/00 ¹		35.00		63.52			·				. 		
,		12/16/00		36.35	0.00	62.17	$ND^{2,3}$	ND ^{2,3}	58,200	326	5,520	1,430	8,520	ND ²	0.01234
		03/26/01		37.00	0.00	61.52	266 ^{3,5}	ND^3	27,200	178	2,160-	785	4,160	² ND/ND ⁶	
		06/25/01		37.25	0.00	61.27	<250 ³	<750 ³	12,300	69.0	654 :	416	1,910		
		09/24/01		37.60	0.00	60.92	<250 ^{3,8}	<500 ^{3,8}	4,130	30.1	154	197	684	'	·
		UZI		21100							2-				

Table 1 Groundwater Monitoring Data and Analytical Results

NP 03/08/02	WELL	ID/	DATE	DTP	DTW	SPHT	GWE	TPH-D	TPH-O	TPH-G	В	T	E	X	MTBE	D. Lead
Cont NP 03/08/02 - 33.86 0.00 60.16 4250 4750 9,000 450 150 170 710	27.50.000.000.000.000			(ft.)	(ft.)	(fi.)	(fi.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)
Cont NP 03/08/02 - 33.86 0.00 60.16 4250 4750 9,000 450 150 170 710									•							•
NP 05/29/02 -36.86 0.00 61.66 <250\$ <750\$ 6,700 22 150 190 780	MW-4		12/13/01		37.72	0.00	60.80			5,490		:				
NP 03/26/02 -3 03/26 0.00 01/26/03 0.00 01/26 0.00 0.0	(cont)	NP	03/08/02		38.36	0.00	60.16			9,000	<50					
NP 09/16/02		NP	05/29/02		36.86	0.00	61.66	<250 ³	<750 ³	6,700	. 22	150	190	780		
NP 12/05/02 - 37.53 0.00 60.99 <250 250 14,000 73 400 540 1,500			08/07/02		36.92	0.00	61.60					·.				
No.		NP	09/16/02		37.16	0.00	61.36	$<250^{3}$	$<250^3$	7,500	46	230 -:	240			
MW-5 99.42 10/11/00 - 34.50 - 64.92		NP	12/05/02		37.53	0.00				-		400	540	1,500	~~	
NP 10/27/03 36.90 36.93 0.03 61.61*** - - - - - - - - -			03/04/03	36.68	36.71	0.03	61.83***	NOT SAMP	LED DUE TO	THE PRESI	ENCE OF SPH	-				
NP 10/27/03 - 37.96 0.00 60.56 <4003 <5003 2,200 16 55 76 170			06/03/03	36.59	36.63	0.04	61.92***	NOT SAMP	LED DUE TO	THE PRESI	ENCE OF SPH			_		
NP 10/27/03			07/06/03	36.90	36.93	0.03	61.61***		·				·			
MW-5 10/11/00			08/18/03	36.76	36.80	0.04	61.75***					·				
MW-5 99.42		NP	10/27/03		37.96	0.00	60.56	<400 ³	<500 ³	2,200	16	55	76	170		
MW-5 99.42			11/17/03	36.34	36.37	0.03	62.17**	-		. 				 .		-
99.42 10/11/00 ¹			12/31/03		36.88	0.00	61.64					_			-	
99.42 10/11/00 ¹												٠.				
99.42 10/11/00 ¹																•
12/16/00 37.18 0.00 62.24 5,080 ³ ND ³ 146,000 ND ² 15,100 4,160 24,100 ND ² 0.0200 ⁴ 03/26/01 37.91 0.00 61.51 77,900 ^{3.5} ND ³ 149,000 256 10,600 4,000 24,200 ² ND/ND ⁶ 06/25/01 38.14 0.00 61.28 109,000 ³ <18,100 ³ 127,000 210 9,580 3,730 21,500 09/24/01 38.40 38.44 0.04 61.01*** NOT SAMPLED DUE TO THE PRESENCE OF SPH	MW-5										•			•		
12/13/01	99.42		10/11/00 ¹		34.50		64.92			·						
06/25/01 38.14 0.00 61.28 109,000 ³ <18,100 ³ 127,000 210 9,580 3,730 21,500 09/24/01 38.40 38.44 0.04 61.01*** NOT SAMPLED DUE TO THE PRESENCE OF SPH			12/16/00		37.18	0.00	62.24	•	ND^3	146,000	ND ²	15,100	4,160			0.02004
09/24/01 38.40 38.44 0.04 61.01*** NOT SAMPLED DUE TO THE PRESENCE OF SPH			03/26/01		37.91	0.00	61.51	77,900 ^{3,5}	ND ³	149,000	. 256	10,600	4,000		² ND/ND°	
12/13/01 38.55 38.59 0.04 60.86*** NOT SAMPLED DUE TO THE PRESENCE OF SPH			06/25/01	<u></u>	38.14	0.00	61.28	109,000 ³	$<18,100^3$	127,000	210	9,580	3,730	21,500		
03/08/02 37.96 38.46 0.50 61.36*** NOT SAMPLED DUE TO THE PRESENCE OF SPH			09/24/01	38.40	38.44	0.04						:				·
05/29/02 37.60 38.05 0.45 61.73*** NOT SAMPLED DUE TO THE PRESENCE OF SPH			12/13/01	38.55	38.59	0.04	60.86***	NOT SAMPI	LED DUE TO	THE PRESEN	NCE OF SPH	;	- -			
08/07/02 37.73 38.12 0.39 61.61***			03/08/02	37.96	38.46	0.50	61.36***	NOT SAMPI	LED DUÈ TO	THE PRESEN	NCE OF SPH	 ,				
09/16/02 38.00 38.39 0.39 61.34*** NOT SAMPLED DUE TO THE PRESENCE OF SPH			05/29/02	37.60	38.05	0.45	61.73***	NOT SAMPI	LED DUE TO	THE PRESEN	NCE OF SPH					
10/15/02 38.09 38.47 0.38 61.25***			08/07/02	37.73	38.12	0.39	61.61***							· 		
11/22/02 37.84 38.26 0.42 61.50***			09/16/02	38.00	38.39	0.39	61.34***	NOT SAMP	LED DUE TO	THE PRESEN	NCE OF SPH	- 1				
12/05/02 38.42 38.78 0.36 60.93*** NOT SAMPLED DUE TO THE PRESENCE OF SPH			10/15/02	38.09	38.47	0.38	61.25***					ÿ			· ´	
01/28/03	3		11/22/02	37.84	38.26	0.42	61.50***					4- *.				
02/13/03 38.33 38.68 0.35 61.02***			12/05/02	38.42	38.78	0.36	60.93***	NOT SAMP	LED DUE TO	THE PRESEN	NCE OF SPH	⁶ 5				
			01/28/03	37.88	38.24	0.36	61.47***		· 	 .		·				
03/04/03 37.54 37.89 0.35 61.81*** NOT SAMPLED DUE TO THE PRESENCE OF SPH			02/13/03	38.33	38.68	0.35	61.02***					- ,				·
			03/04/03	37.54	37.89	0.35	61.81***	NOT SAMP	LED DUE TO	O THE PRES	ENCE OF SPH	·		·		·

Table 1 Groundwater Monitoring Data and Analytical Results

WELL ID/	DATE	DTP	DTW	SPHT	GWE	TPH-D	TPH-O	TPH-G	В	T	E	X	MTBE	D. Lead
TOC*(fi.)	Daid	(ft.)	(ft.)	(ft.)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ррв)	(ррт)
						<u></u>	<u> </u>				÷		•	
MW-5	04/21/03	37.96	38.29	0.33	61.39***					- **	-			
(cont)	05/08/03	38.50	38.82	0.32	60.86***		_			1 3				
(cont)	06/03/03	37.42	37.76	0.34	61.93***	NOT SAMPI	LED DUE TO	THE PRESE	NCE OF SPH	٠,				
	07/06/03	37.77	38.11	0.34	61.58***	-	_	=-0		 .	, 			
	08/18/03	38.54	38.86	0.32	60.82***		· 	-		-	 .			
	10/27/03		STRUCTE							_	-			
	11/17/03	37.87	38.17	0.30	61.49**	_					-		,	
	12/31/03		STRUCTE						'				 .	
	12/31/03						٠							
Trip Blank			• •				•							•
TB-LB	12/16/00							, ND	ND	ND =	ND	ND	ND	
15 55	03/26/01						·	ND	ND	ND	ND	ND .	ND	
	06/25/01							<50.0	< 0.500	<0.500	<0.500	<1.00		
	09/24/01							<50.0	< 0.500	<0.500	<0.500	<1.00		·
	12/13/01							<80.0	< 0.500	< 0.500	<0.500	<1.00		
	03/08/02							<50	< 0.50	< 0.50	< 0.50	<1.5		
	05/29/02							<50	< 0.50	<0.50	< 0.50	<1.5		
	09/16/02							<50	<0.50	<0.50	< 0.50	<1.5		
								<50	<0.50	<0.50	< 0.50	<1.5		
	12/05/02							<50	<0.50	<0.50	<0.50	<1.5		
	03/04/03							<50	<0.5	<0.5	<0.5	<1.5		
	10/27/03	-						~50	-0.5					

	TPH-D	ТРН-О	TPH-G	В	T	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	5	1,000	700	1,000	20	
		+ Extended	NWTPH-G and EPA 8021						EPA 6020

Table 1

Groundwater Monitoring Data and Analytical Results

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

EXPLANATIONS:

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

TOC = Top of Casing	TPH-O = Total Petroleum Hydrocarbons as Oil	(ppb) = Parts per billion
(ft.) = Feet	TPH-G = Total Petroleum Hydrocarbons as Gasoline	(ppm) = Parts per million
DTP = Depth to Product	B = Benzene	ND = Not Detected
DTW = Depth to Water	T = Toluene	NP = No Purge
GWE = Groundwater Elevation	E = Ethylbenzene	= Not Measured/Not Analyzed
SPH = Separate Phase Hydrocarbon	X = Xylenes	MTCA = Model Toxics Control Act Cleanup Regulations
	-	1 100/013

SPHT = Separate Phase Hydrocarbon Thickness TPH-D = Total Petroleum Hydrocarbons as Diesel

MTBE = Methyl tertiary butyl ether 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 = $[(TOC DTW) + (SPHT \times 0.80)]$
- 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.
- 3 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.
- 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

				SPH	AMOUNT BAILED
WELL ID	DATE	DTP	DTW	THICKNESS	(SPH + WATER)
WEEL ID	DATE	(ft.)	(ft.)	(ft.)	(gallons)
				2	
MW-2	03/08/02	37.24	38.00	0.76	2.00
	05/29/02	36.81	37.54	0.73	2.00
	09/16/02	37.19	37.61	0.42	2.00
	10/15/02	37.24	37.68	0.44	2.00
	11/22/02	37.12	37.63	0.51	2.00
	12/05/02	37.51	38.10	0.59	2.00
	01/28/03	36.77	37.33	0.56	2.00
reguesta e esta agri situi e tigase	02/13/03	37.44	38.02	0.58	2.00
	03/04/03 IN	ACCESSIBLE - VE	CHICLE PARKED O	VER WELL	-
	04/21/03	37.21	37.78	0.57	2.00
	05/08/03	37.43	37.94	0.51	2.00
	06/03/03	37.37	37.91	0.54	2.00
	07/06/03	36.96	37.51	0.55	2.00
	08/18/03	37.49	38.02	0.53	2.00
	10/27/03	37.54	39.98	2.44	2.00
	11/17/03	37.10	37.58	0.48	2.00
	12/31/03	36.18	38.19	2.01	2.00
MW-4	03/04/03	36.68	36.71	0.03	0.33
	06/03/03	36.59	36.63	0.04	0.33
	07/06/03	36.90	36.93	0.03	0.33
	08/18/03	36.76	36.80	0.04	0.33
	10/27/03		37.96	0.00	0.00
	11/17/03	36.34	36.37	0.03	0.33
	12/31/03		36.88	0.00	0.00
	00/04/04	29.40	38.44	0.04	0.00
MW-5	09/24/01	38.40 38.55	38.59	0.04	0.00
	12/13/01	37.96	38.46	0.50	2.00
	03/08/02	37.60	38.05	0.45	2.00
	05/29/02	37.73	38.12	0.39	2.00
	08/07/02	38.00	38.39	0.39	2.00
	09/16/02	38.09	38.47	0.38	2.00
	10/15/02	37.84	38.26	0.42	2.00
	11/22/02	38.42	38.78	0.36	2.00
	12/05/02		38.24	0.36	2.00
	01/28/03	37.88	38.68	0.35	2.00
	02/13/03	38.33	37.89	0.35	2.00
	03/04/03	37.54		0.33	2.00
	04/21/03	37.96	38.29	0.32	2.00
	05/08/03	38.50	38.82		2.00
	06/03/03	37.42	37.76	0.34	2.00
	07/06/03	37.77	38.11	0.34	2.00

Table 2

Separate Phase Hydrocarbon Thickness/Removal Data

WELL ID	DATE	DTP (ft.)	DTW (ft.)	SPH THICKNESS (ft.)	AMOUNT BAILED (SPH + WATER) (gallons)
MW-5	08/18/03	38.54	38.86	0.32	2.00
(cont)	10/27/03	WELL OBSTRUCTED		••	
	11/17/03	37.87	38.17	0.30	2.00
	12/31/03	WELL OBSTRUCTED A	AT 35.92 FEET	-	

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

JANUARY 28, 2003

FEBRUARY 13, 2003

APRIL 21, 2003

MAY 8, 2003

JULY 6, 2003

AUGUST 18, 2003

NOVEMBER 17, 2003

DECEMBER 31, 2003



lient/Facility #:	Former Chevron	#209335	Job Nun	nber: 38	36750 <u> </u>			
ite Address:	1225 North 45th		Event D	ate:		7-03		
ity:	Seattle, Washing		Sample	r:	BUN		·	
,,,ty.	Double, Italian,							
Vell ID	MW- 2		ondition:	′ (ok			
Vell Diameter	2 in.	Hydrod			Amount Ba	iled		
otal Depth	41.62 ft.	Thickn		6 ft.	(product/wat	ter):	2 gal.	
•	36.77 ft.		Volume 3/	/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38	
septit to attator,		•		4"= 0.66	5"= 1.02	5*= 1.50	12"= 5.80	
	xVF	_=	x3 (case vo	olume) = Esti	mated Purge \	/olume:	gal.	
Purge	Disposable Bailer		Sampli	_	isposable E	Bailer		
Equipment:	Stainless Steel Bail	er	Equip	ment: P	ressure Bai	ler		
	Stack Pump		 		iscrete Bail	er	<u> </u>	
	Suction Pump			C	Other:			•
	Grundfos						•	
	Other:				•			
	Outer			<u> </u>		<u>/</u>		
		Alasthar C	onditions:	. \				
Start Time (pur	·	/	ater Color:	/		Odor:		-
Sample Time/I					\ 			•
Purging Flow	 \	Sediment D			gai.	 ,-		-
Did well de-wa	ater?	(yes, Time:		·	——————————————————————————————————————			
Time	Volume	Con	ductivity Temp	perature	\D.O.		ORP	
(2400 hr.	,	~LL		C/F)	(ˈh/ŋg/L)		(mV)	
		<u> </u>	/					-
					<u> </u>			_
	7 -					<u> </u>		-
<u></u> -		$\overline{}$					 	-
<u> </u>								_
		LABOR	ATORY INFORMA	TION	· · · · · · · · · · · · · · · · · · ·		<u> </u>	
SAMPLE ID	(#) CONTAINER	REFRIG. PRE	SERV. TYPE LAE	BORATORY		ANAL'	YSES	
MW-	x voa vial	YES	HCL		TPH-G/BT	EX/MTBE		
	X							
				\				
								
L		10011	ed SPH	7				
COMMENTS	5:	<u>, Kull</u>	LU 377	<u>.</u>				
•				 -				

Client/Facility #:	Former Chevron #2	209335	Job Number:	<u>386750</u>		
Site Address:	1225 North 45th sti	eet	Event Date:	1-28-03		
City:	Seattle, Washingto	n	Sampler:	BWN		
Well ID	MW- 5	Well Condition	 :	OK		-: :
Well Diameter Total Depth	2 in. 39,21 ft.	Hydrocarbon Thickness:	136 ft.	Amount Bailed (product/water):		
Depth to Water	37.88 ft.	Volume Factor (1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	1	4. # ₁ . 55.
	xVF	=	x3 (case volume) = E	Estimated Purge Volume:	gal.	
Purge Equipment:	Disposable Bailer Stainless Steel Bailer Stack Pump		Sampling Equipment:	Pressure Bailer Discrete Bailer		
	Suction Pump Grundfos Other:			Other:		
Start Time (purg Sample Time/D Purging Flow R	Date: /	Weather Condition Water Colo	or:	Odor		
Did well de-wat	/	;\Time:		gali.	···.	•
Time (2400 hr.)	Volume pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)	_
						-
				\	\ 	- -
		LABORATORY I	NFORMATION			
SAMPLE ID	(#) CONTAINER REF	RIG. PRESERV. TY	PE LABORATO	RY ANA	LYSES	
MW-	x voa vial YE	S HCL		TPH-G/BTEX/MTBE		
COMMENTS:		baile	OL SPH			
	· · · · · · · · · · · · · · · · · · ·	·		<u> </u>		
Add/Rep	laced Lock:		Add/Replaced	Piug: S	ize:	



Client/Facility #:	Former Chevro	n #209335	Job Number:	386750	
Site Address:	1225 North 45tl		Event Date:	2-13-03	·
City:	Seattle, Washin		Sampler:	BwN	
Well ID Well Diameter Total Depth Depth to Water		Well Condition Hydrocarbor Thickness: Volun Facto	S 8 ft ne 3/4"= 0.02 n (VF) 4"= 0.66		ک gal. 3'= 0.38 12"= 5.80 gal.
Purge Equipment:	Disposable Bailer Stainless Steel Ba Stack Pump Suction Pump Grundfos Other:		Sampling Equipment:	Disposable Bailer Pressure Bailer Discrete Bailer Other:	
Start Time (pu Sample Time/ Purging Flow Did well de-wi Time (2400 hr	Date: / Rate: gpm. ater?	Weather Condition Water Condition Sediment Descrip If yes, Time: Conductivit (u mhos/cm	olor:tion: Volume: y Temperature		ORP (mV)
			Y INFORMATION	ORV ANA	LYSES
SAMPLE II) (#) CONTAINER	REFRIG. PRESERV. YES HCL	TYPE LABURATO	TPH-G/BTEX/MTBE	
10100-	X VOA VIAI			/	
COMMENTS	S: <u>Basi</u>	led ~ 2go	ε/		
Add/Re	placed Lock:		Add/Replace	d Plug: S	lize:



Client/Facility #:	Former Chevron #209335	Job Number:	386750
Site Address:	1225 North 45th street	Event Date:	2-13-03
City:	Seattle, Washington	Sampler:	2 - 13-03 BWN
	3.		
Well ID	MW- 5 Well Condition	n:	ok.
Well Diameter	2 in. Hydrocarbon	.35 ft.	Amount Bailed (product/water): 2 gal.
Total Depth	39.2/ ft. Thickness:		
Depth to Water	78.33 ft. Volume		1"= 0.04 2"= 0.17 3"= 0.38 5"= 1.02 6"= 1.50 12"= 5.80
	xVF ==	x3 (case volume) = E	Estimated Purge Volume: gal.
•			•
Purge	Disposable Bailer	Sampling Equipment:	Disposable Bailer
Equipment:	Stainless Steel Bailer	Edaibineir.	Pressure Bailer
	Stack Pump		Discrete Bailer Other:
	Suction Pump	•	Other
	Grundfos Other:	• '	
Sample Time/D Purging Flow F Did well de-wa	Rate: gpm. Sediment Description	or: Volume:	Odor:
Time (2400 hr.)	Volume pH Conductivity (u mhos/cm)	Temperature (C/F)	D.O. ORP (mg/L) (mV)
-			
	LABORATORY	NEODMATION /	
SAMPLE ID	LABORATORY (#) CONTAINER REFRIG. PRESERV. T		RY ANALYSES
MW-	x voa vial YES HCL		ТРН-G/ВТЕХ/МТВЕ
 		/	
<u> </u>	/ / / / /		
COMMENTS	: Bailed ~ 2 gal.		
COMMENTO			
Add/Rep	placed Lock:	Aggikepiaced	l Plug:Size:

Client/Facility #:	Chevron #209335		Job Number:	386750		-
Site Address:	1225 N. 45th Street		Event Date:	4-21-1	03	(inclusiv
City:	Seattle, WA		Sampler:	BWN	·	-
Well ID	MW-2	Well Condition	. oK		<u></u>	
Well Diameter	2 in.	Hydrocarbon		Amount Bailed		•
Total Depth	41.62 ft.	Thickness:	,57 ft.		∠ gal.	<u>.</u>
Depth to Water		Volume Factor (1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	3"= 0.38 12"= 5:80	
च्यासम्बद्धाः १४केम्ब्यम् । तस्ति अध्यक्तसम्बद्धाः	Allender de la company de la c	=_==		Estimated Purge Volume:	gal	
	^*		_ ,			
Purge	Disposable Bailer	·	Sampling	Disposable Bailer _	_	_
Equipment:	Stainless Steel Bailer		Equipment:	Pressure Bailer		-
	Stack Pump		•	•	<u>:</u>	
	Suction Pump			Other:		_
	Grundfos		1	1		
	Other:	7				
Start Time (pur	ma).	Weather Condition	s:	. /		
Sample Time/I	· · · · · · · · · · · · · · · · · · ·	Water Cold		Odor:		_
Purging Flow F		ediment Descriptio				-
Did well de-wa	·	s, Time:		gal.		_
Did well de-wa	ner : n yes	- I III				
Time	Volume	Conductivity	Temperature	D.O.	ORP	
(2400 hr.		(u mhos/cm)	(C/F)	(mg/L)	(mV)	
	_		and the second s	· ·		_
	/				<u> </u>	<u>·</u>
<u> </u>	<u> </u>					_
						_
			<u> </u>	<u>. </u>		_
	_	LABORATORY II				
SAMPLE ID	(#) CONTAINER REF	RIG. PRESERV. TY	PE LABORATOR	RY ANAI	LYSES	
			\ <u></u>		<u>.</u>	
	·/		4			
						
						
L	F 1 1 55 "	2 and SDIA				
COMMENTS	: Build ~	4 gai 34 FT				
·						
	· · · · ·					
Add/Ren	placed Lock:		Add/Replaced	Plug: Si	ze:	



54 A L L					_
Site Address:	1225 N. 45th Street		Event Date:	4-21-03	_(inclusiv
City:	Seattle, WA		Sampler:	BWN	_
Well ID Well Diameter	MW- 5 2 in.	Well Condition	2.5	Amount Bailed (product/water): 7	
Total Depth Depth to Water	39.21 ft. 37.96 ft.	Thickness: Volume Factor (**)	3/4"= 0.02		5
· · · · · ·	xVF	==		Estimated Purge Volume:g	 1
Purge Equipment:	Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos		Sampling Equipment:	Disposable Bailer Pressure Bailer Discrete Bailer Other:	_ _ _
	Other:		· · · · · · · · · · · · · · · · · · ·		
Start Time (pur	ge): V	Veather Condition			
Sample Time/I Purging Flow F Did well de-wa Time (2400 hr.)	Rate: gpm. Setter? If yes	Water Colordiment Description, Time: Conductivity (umhos/cm)	· —	Odor: gal. D.O. ORP (mg/L) (mV)	
Purging Flow F Did well de-wa	Rate: gpm. Setter? If yes	Conductivity (umhos/cm)	Volume: Temperature (C/F)	gal. D.O. ORP (mg/L) (mV)	



lient/Facility #:	ChevronTexaco	#20000		b Number:	386/50			-
ite Address:	1225 N. 45th Str	eet	_ E	vent Date:	5-8-0	3		_{inclusiv
Sity:	Seattle, WA	•	S	ampler:	BMY			_
				14				
Vell ID	MW-7	Well	Condition:	ok.	<u> </u>	·		-
Vell Diameter	2 in.	. Hydro	ocarbon	,51 n	Amount		ງ	
otal Depth	41.62 ft.	Thick	ness: _	, 31 ft.	(product/	water):	gal.	_
Depth to Water	<u>37.43</u> ft.	•	Volume	3/4"= 0.02	1"= 0.04"	2*= 0.17 6*= 1.50	3"= 0.38 12"= 5.80	}
2.0		1	Factor (VF)	4*= 0.66	5'= 1.02		The St. and St. of the Street of	J
	xVF .	=	x3	(case volume) = {	Estimated Pur	ge volume:	gal	•
Purge	Dienoschlo Roilor	•	, 9	iampling	Disposable	e Bailer	•	
Farge Equipment:	Disposable Bailer Stainless Steel Bail	ler –	7	quipment:	Pressure I	_		_
	Stack Pump	··· ——			Discrete B	ailer		- -
	Suction Pump		`		Other: _/			-
	Grundfos	1						
	Other:						*	•
								
Start Time (pur	00):	Weather	Conditions:	\	/			_
Sample Time/D		/	/ater Color:		$\overline{}$	Odor:		
Comple minore				,	\			
Purging Flow F		Sediment I		1 .				- ·
Purging Flow F	Rate: gph	Sediment I	Description:	Volume:	gal	 		- ·
Purging Flow F Did well de-wa	Rate: gph	f yes, Time:	Description:	/ -			OPP	-
Did well de-wa	Rate: gphoter:	f yes, Time:	Description:	Temperature	gal D.4	D.	ORP (mV)	-
Did well de-wa	Rate: gphoter?	f yes, Time:	Description:	/ -	D.	D.		- ·
Did well de-wa	Rate: gphoter:	f yes, Time:	Description:	Temperature	D.	D.		- -
Did well de-wa	Rate: gphoter:	f yes, Time:	Description:	Temperature	D.	D.		- · · · · · · · · · · · · · · · · · · ·
Did well de-wa	Rate: gphoter:	f yes, Time:	Description:	Temperature	D.	D.		
Did well de-wa	Rate: gphoter:	f yes, Time:	Description:	Temperature	D.	D.		- - - -
Did well de-wa	Rate: gphoter:	f yes, Time:	Description:	Temperature	D.	D.		
Did well de-wa	Rate: gphoter: yolume (gay)	f yes, Time:	onductivity mhos/cm)	Temperature (C/F)	D.4	D. //L)	(mV)	- - - - - -
Did well de-wa Time (2400 hr.)	Rate: gpho ter? Volume (gal/)	t yes, Time:	Description: onductivity mhos/cm) RATORY INFO	Temperature (C/F) DRMATION LABORATO	D.4	O. //L)	(mV)	- - - - - - -
Did well de-wa Time (2400 hr.) SAMPLE ID MW-	Rate: gpho ter? Volume (gal/) (#) CONTAINER Container	LABOI REFRIG: PR	Description: onductivity mhos/cm) RATORY INFO ESERV. TYPE HCL	Temperature (C/F) ORMATION LABORATO ANCASTE	RY R TPH-G/I	ANA	(mV)	- - - - - -
Did well de-wa Time (2400 hr.)	Rate: gpho ter? Volume (gal/)	t yes, Time:	Description: onductivity mhos/cm) RATORY INFO	Temperature (C/F) DRMATION LABORATO	RY R TPH-G/I	ANA	(mV)	- - - - - - -
Did well de-wa Time (2400 hr.) SAMPLE ID MW-	Rate: gpho ter? Volume (gal/) (#) CONTAINER Container	LABOI REFRIG: PR	Description: onductivity mhos/cm) RATORY INFO ESERV. TYPE HCL	Temperature (C/F) ORMATION LABORATO ANCASTE	RY R TPH-G/I	ANA	(mV)	
Did well de-wa Time (2400 hr.) SAMPLE ID MW-	Rate: gpho ter? Volume (gay) (yav) CONTAINER voa vial x amber	LABOI REFRIG: PR YES YES:	Description: onductivity mhos/cm) RATORY HAFO ESERV. TYPE HCL HCL	Temperature (C/F) ORMATION LABORATO ANCASTE	RY R TPH-G/I	ANA	(mV)	
Did well de-wa Time (2400 hr.) SAMPLE ID MW- MW-	Rate: gpho ter? Volume (gay) (yav) CONTAINER voa vial x amber	LABOI REFRIG: PR YES YES:	Description: onductivity mhos/cm) RATORY INFO ESERV. TYPE HCL	Temperature (C/F) ORMATION LABORATO ANCASTE	RY R TPH-G/I	ANA	(mV)	
Did well de-wa Time (2400 hr.) SAMPLE ID MW-	Volume (gaV) (#) CONTAINER Log vial x amber	LABOI REFRIG: PR YES YES:	Description: onductivity mhos/cm) RATORY HAFO ESERV. TYPE HCL HCL	Temperature (C/F) ORMATION LABORATO ANCASTE	RY R TPH-G/I	ANA	(mV)	

		9335	lob Number:			_
ite Address:	1225 N. 45th Street	· · · · · · · · · • • • • • • • • • • •	Event Date:	5-8-83		_(inclusi
ity:	Seattle, WA		Sampler:	BMN		_
			•			
Vell ID	<u>mw-5</u>	Well Condition:	_ ok		<u> </u>	_
Vell Diameter otal Depth	2 in. 4+.65 ft. 39.21		132 ft.	Amount Bailed (product/water):	gal.	<u>.</u>
Depth to Water	<u>37.43 ft.</u> 38.57	Volume Factor (VF)	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]
	xVF	=x	3 (case volume) = 1	Estimated Purge Volume:	: gal	
Purge	Disposable Bailer		Sampling	Disposable Bailer		_
Equipment:	Stainless Steel Bailer	7	Equipment:	Pressure Bailer	· .	_
	Stack Pump			Discrete Bailer		_
	Suction Rump			Other;		_
	Grundfos					
	Other:		\			
		/	$\overline{}$	/		
Start Time (purg		eather Conditions:				_
A 1 751 155		101-1 0-1				
Sample Time/D		_ Water Color:		Odor:		_
Purging Flow F	Rate: gpm. Sec	diment Description:			· · · · · · · · · · · · · · · · · · ·	- -
•	Rate: gpm. Sec			gal.		- -
Purging Flow F Did well de-wa	Rate: gpm. Sector? lives,	diment Description:	Volume/		ORP	- -
Purging Flow F	Rate: gpm. Sector: lives,	diment Description:		gal.		- -
Purging Flow F Did well de-war Time	Rate: gpm. Sector: lives,	diment Description:	Volume:	gal.	ORP	- -
Purging Flow F Did well de-war Time	Rate: gpm. Sector: lives,	diment Description:	Volume:	gal.	ORP	- -
Purging Flow F Did well de-war Time	Rate: gpm. Sector: lives,	diment Description:	Volume:	gal.	ORP	- -
Purging Flow F Did well de-war Time	Rate: gpm. Sector: lives,	diment Description:	Volume:	gal.	ORP	- -
Purging Flow F Did well de-war Time	Rate: gpm. Sector: lives,	diment Description:	Volume:	gal.	ORP	- - - - - -
Purging Flow F Did well de-war Time	Rate: gpm. Sector: lives,	diment Description: Time: Conductivity u mhos/cm)	Volume:	gal.	ORP	- - - - - -
Purging Flow R Did well de-wat Time (2400 hr.)	Rate: gpm. Sector lives, Volume (gal.) pH	diment Description: Time: Conductivity u mhos/cm) LABORATORY INP	Volume: Temperature (C/F)	gal. D.O. (mg/L)	ORP	- - - - - -
Purging Flow F Did well de-war Time	Rate: gpm. Sector: lives,	Conductivity umhos/cm) LABORATORY INA G. PRESERV. TYPE	Volume: Temperature (C/F)	gal. D.O. (mg/L)	ORP (mV)	- - - - - - - -
Purging Flow R Did well de-wat Time (2400 hr.)	Rate: gpm. Sector lives, Volume (gal.) pH (#) CONTAINER REFRI	Conductivity (umhos/cm) LABORATORY INA G. PRESERV. TYPE	Volume: Temperature (C/F) ORMATION LABORATOI	gal. D.O. (mg/L) RY ANA R TPH-G/BTEX/MTBE	ORP (mV)	- - - - - - -
Purging Flow R Did well de-wat Time (2400 hr.) SAMPLE ID MW-	Rate: gpm. Sector? lives, Volume (gal.) pH (#) CONTAINEX REFRI	Conductivity umhos/cm) LABORATORY INP G. PRESERV. TYPE	Volume: Temperature (C/F) ORMATION LABORATOI	gal. D.O. (mg/L) RY ANA R TPH-G/BTEX/MTBE	ORP (mV)	- - - - - - - - - - - -
Purging Flow R Did well de-wat Time (2400 hr.) SAMPLE ID MW-	Rate: gpm. Sector? lives, Volume (gal.) pH (#) CONTAINEX REFRI	Conductivity umhos/cm) LABORATORY INP G. PRESERV. TYPE	Volume: Temperature (C/F) ORMATION LABORATOI	gal. D.O. (mg/L) RY ANA R TPH-G/BTEX/MTBE	ORP (mV)	
Purging Flow F Did well de-wat Time (2400 hr.) SAMPLE ID MW- MW-	Rate: gpm. Sector? If yes, Volume (gal.) pH (#) CONTAINEX REFRI x yea vial YES x amber YES	Conductivity u mhos/cm) LABORATORY INP IG. PRESERV. TYPE HCL HCL	Volume: Temperature (C/F) ORMATION LABORATOI LANCASTE	gal. D.O. (mg/L) RY ANA R TPH-G/BTEX/MTBE	ORP (mV)	
Purging Flow R Did well de-wat Time (2400 hr.) SAMPLE ID MW-	Rate: gpm. Sector? If yes, Volume (gal.) pH (#) CONTAINEX REFRI x yea vial YES x amber YES	Conductivity umhos/cm) LABORATORY INP G. PRESERV. TYPE	Volume: Temperature (C/F) ORMATION LABORATOI LANCASTE	gal. D.O. (mg/L) RY ANA R TPH-G/BTEX/MTBE	ORP (mV)	



•	ChevronTexaco #20	<u> </u>	Job Number:	386750		
ite Address:	1225 N. 45th Street		Event Date:	7-6-03		(inclusiv
ity:	Seattle, WA		Sampler:	Ben Newton		
Vell ID	MW-2-	Well Condition:	ok		·	<u>.</u>
Vell Diameter	2 in.	Hydrocarbon Thickness:	,55 ft.	Amount Bailed (product/water):	Z gal.	_
otal Depth Depth to Water		Volume	3/4"= 0.02 /F) 4"= 0.66	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50		
engantar Matanas na endañ a la ega (h. 1826). 1885	•	==		Estimated Purge Volume:	gal.	-
· Purge	Disposable Bailer		Sampling	Disposable Bailer		_
Equipment:	Stainless Steel Bailer	1	Equipment:	Pressure Bailer		- ·
	Stack Pump			Discrete Bailer		-
	Suction Pump			Other:		-
	Grundfos	/	. \			
	Other:	/				
Did well de-w	vater? it ye	es, Time:	Volume:/ Temperature	gal.	ORP	
(2400 h	, ,	Conductivity (u mhos/cm)	(C/F)	(lng/L)	(mV)	- - - - ·
	, ,	(umhos/cm)	NEQRMATION	(\ng/L)		- - - - - -
	gal.)	LABORATORY I	NFORMATION (PE LABORATO	(lng/L)	ALYSES	- - - - - - -
SAMPLE MW-	ID (#) CONTAINER RE	LABORATORY I FRIG. PRESERV. TY YES HCL	NFORMATION PE LABORATO LANCASTE	RY AN/	ALYSES	- - - - - -
(2400 h	ID (#) CONTAINER RE	LABORATORY I	NFORMATION (PE LABORATO	RY AN/	ALYSES	- - - - - - - - - - - - - - - - - - -



lient/Facility #:	ChevronTexaco #26	09335	Job Number:	386750	· <u>· · · · · · · · · · · · · · · · · · </u>	
te Address:	1225 N. 45th Street		Event Date:	7-603		(inclusiv
ity:	Seattle, WA		Sampler:	EWN		
/ell ID	MW-μ	Well Condition	oK			
Vell Diameter otal Depth	2 in.	Hydrocarbon Thickness:	.03 ft.	Amount Bailed (product/water):	.33 gal.	
epth to Water	36.90 ft.	Volume Factor (1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	3"= 0.38 12"= 5.80	e *. 55 #
. •	xVF	=	_x3 (case volume) = 1	Estimated Purge Volume:	gal.	
Purge Equipment:	Disposable Bailer Stainless Steel Bailer Stack Pump		Sampling Equipment:	Disposable Bailer Pressure Bailer Discrete Bailer		
	Suction Pump			Other:		
	Grundfos Other:			j.		
 		-/				
Start Time (pur		Weather Condition		Odor:		-
Sample Time/		✓ Water Colo Gediment Description		Gue		•
Purging Flow I Did well de-wa		ss, Time:		gal.		•
Time (2400 hr	Volume	Conductivity	Temperature (C/F)	D.O. (mg/L)	ORP (mV)	-
			- /			-
			<u> </u>			.
						-
		LABORATORY I	NFORMATION			
SAMPLE II	1.7 0 2 11 11 11 1	FRIG. PRESERV. TY	PE LABORATO	···	ALYSES	
MW-	x voa vial x apper	YES HCL	LANCASTE		<u> </u>	
10(00-	X alphuer					
			7			



Client/Facility #: Ch	nevronTexaco #209	335	Job Number:	386750		_
· -	25 N. 45th Street		Event Date:	7-6-03		(inclusive
•	eattle, WA		Sampler:	BWN		-
Well ID	MW-5	Well Condition	: OK-			
Well Diameter	2 in.	Hydrocarbon Thickness:	.34 n	Amount Bailed (product/water):	2- gal.	
Total Depth Depth to Water	39.21 ft. 37.77 ft.	Volume Factor (3/4"= 0.02		3"= 0.38]
freeze en grantstages (oorste kerger), staat en teefgraanse sitter		=		Estimated Purge Volume	:gal	- . ½ ··., ·
Purge D	risposable Bailer	·	Sampling	Disposable Bailer	·	_
	stainless Steel Bailer		Equipment:	Pressure Bailer	<u></u>	-
	Stack Pump		•	Discrete Bailer		_
	Suction Pump			Other:		- .
1	Grundfos	/		<i>></i>		
\	Other:	/				
Purging Flow Rate Did well de-water? Time (2400 hr.)	·· 	liment Description Time: Conductivity (u mhos/cm)		gal. D.O. (mg/L)	ORP (mV)	- - - - - -
		LABORATORY		AN.	ALYSES	 -
SAMPLE ID	(#) CONTAINER REFR		(PE LABORATO			
MW-	x voa vial YES		LANCASTI			
MW-	x amber YES	1102				
	 				<u> </u>	
	1 1					
COMMENTS:	Bailed ~ 7	-gal SP	H			
Add/Replac	and to also		Add/Replaced	i Plug:	Size:	



ient/Facility #: _ C	hevronTexaco #2	09333	Job Number: _		
te Address: 1	225 N. 45th Stree	t	Event Date:	8-18-03	(inclusiv
	eattle, WA		Sampler:	BWN	
/ell ID	MW-2_	Well Condition	n: ok		
/ell Diameter	2 in. 41.62 ft.	Hydrocarbon Thickness:	, 5 3 ft.	Amount Bailed (product/water):	2 gal.
otal Depth epth to Water	37.49 ft.	Volume	3/4"= 0.02	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	3"= 0.38 12"= 5.80
-	xVF	=		stimated Purge Volume:	gal.
ourge , [Disposable Bailer		Sampling	Disposable Bailer	·
- \	Stainless Steel Bailer		Equipment:	Pressure Bailer	
\	Stack Pump			Discrete Bailer	
\$	Suction Pump		. \	Other:	
(Grundfos			, ,	
. (Other:				_
Purging Flow Rate Did well de-water' Time (2400 hr.)	· 	Conductivity (umhos/cm)		gal. D.O. (mg/L)	ORP (mV)
<u> </u>		LABORATORY		ANA	LYSES
SAMPLE ID	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RIG. PRESERV. TY	LANCASTER	<u> </u>	
MW-	\ <u>\</u>	ES HCL	LANCASTER		
WIVV	A actives				
			/		
	6				
COMMENTS:	Bailed ~ Z	gal SPH			
•					

Client/Facility #:	ChevronTexaco #2	09335	Job Number:	386750		_
Site Address:	1225 N. 45th Stree	t	Event Date:	8-18-03		_ (inclus
City:	Seattle, WA		Sampler:	BWN		-
Well ID	MW- H	Well Condition	: ok			_
Well Diameter	2 in.	Hydrocarbon	1	Amount Bailed	22	
Total Depth	41.60 ft.	Thickness:	.04 ft.	(product/water):	,33 _{gal.}	_
Depth to Water	36.76 ft.	Volume	3/4"= 0.02 /F) ' 4"= 0.66 '	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50]
· · · · · · · · · · · · · · · · · · ·	•	<u> </u>		stimated Purge Volume]
	XVF		, NO (Case Volume) =		g	•
Purge	Disposable Bailer		Sampling	Disposable Bailer	<u> </u>	_
Equipment:	Stainless Steel Bailer		Equipment:	Pressure Bailer		-
	Stack Pump	<i></i>		Discrete Bailer	<u> </u>	-
٠.	Suction Pump			Other:		-
	Grundfos	/				
	Other:					
Purging Flow R Did well de-wate Time (2400 hr.)		Conductivity (u mhos/cm)		gal. D.O. (mg/L)	ORP (mV)	- - - - -
		LABORATORY IN	FORMATION	ANIA	vers	
	(#) CONTAINER REF	RIG. PRESERV.TYP	LANCASTER	TPH-G/BTEX/MTBE	LYSES	
SAMPLE ID						
SAMPLE ID MW- MW-	Xvoa vial YE		LANCASTER	TPH-Dx w/sg		
MW-						
MW-	Xvoa vial YE					



	ChevronTexaco #2	09335	Job Number:	386750		
lient/Facility #: lite Address:	1225 N. 45th Street		Event Date:	8-18-03		(inclusiv
City:	Seattle, WA		Sampler:	BWN		
_ 		NAC-II O	· ok			
Vell ID	<u>MW-*5</u>	Well Condition	0	A Deiled		
Vell Diameter	2 in.	Hydrocarbon	.32 ft.	Amount Bailed (product/water):	2 gal.	
otal Depth	39.21 ft.	Thickness:		<u> </u>		İ
Depth to Water	38.54 ft.	Volume Factor (\	3/4"= 0.02 VF) 4"= 0.66		3"= 0.38 12"= 5.80	
alambakan sa sa kali pangga salamba sa saligi panbak		=	_x3 (case volume) =	Estimated Purge Volume:	gal.	· iva
Purge	Diagonal Deilor		Sampling	Disposable Bailer		
-arge Equipment:	Disposable Bailer		Equipment:	Pressure Bailer		•
Equipment.	Stainless Steel Bailer			Discrete Bailer		•
	Stack Pump Suction Pump		•	Other:		
	Grundios			7	-	
•	Other:		•	. /	-	
	Other			/		
Charl Time /num	ac):	Weather Condition	s. /	,		
Start Time (pur		Water Colo		Odor:		_
Sample Time/D		ediment Description				
Purging Flow F Did well de-wat	 /\	s, Time:		gal.		_
Did well de-wal	ier:	\	_ / _			
	/	Conductivity	Temperature	D.O.	ORP	
Time	Volume /		/	(= /I \		
Time (2400 hr.)	/ DFI	(u mhos/cm)	(C/F)	(mg/L)	(mV)	
	/ 100		(C/F)	(mg/L)	(IIIV) 	-
	/ 100		(C/F)	(mg/L)	(1111)	-
	/ 100		(C/F)	(mg/L)		- - -
	/ 100		(C/F)	(mg/L)	(IIV)	- - -
	/ 100		(C/F)	(mg/L)		- - - -
	/ 100	(u mhos/cm)		(mg/L)	(1114)	- - - -
(2400 hr.)	(gal.) pn	(u mhos/cm)	IFORMATION			- - - - -
(2400 hr.)	(gal.) PH	LABORATORY N	IFORMATION LABORATOR	RY ANA	LYSES	- - - - -
SAMPLE ID	(gal.) PH	LABORATORY NA RIG. PRESERV. TYI S HCL	IFORMATION PE LABORATOF	RY ANAIR TPH-G/BTEX/MTBE	LYSES	-
(2400 hr.)	(gal.) PH	LABORATORY NA RIG. PRESERV. TYI S HCL	IFORMATION LABORATOR	RY ANAIR TPH-G/BTEX/MTBE	LYSES	-
SAMPLE ID	(gal.) PH	LABORATORY NA RIG. PRESERV. TYI S HCL	IFORMATION PE LABORATOF	RY ANAIR TPH-G/BTEX/MTBE	LYSES	-
SAMPLE ID	(gal.) PH	LABORATORY NA RIG. PRESERV. TYPE S HCL	IFORMATION PE LABORATOF	RY ANAIR TPH-G/BTEX/MTBE	LYSES	
SAMPLE ID MW- MW-	(gal.) pri	LABORATORY NA RIG. PRESERV. TYI ES HCL ES HCL	IFORMATION PE LABORATOF	RY ANAIR TPH-G/BTEX/MTBE	LYSES	
SAMPLE ID	(gal.) pri	LABORATORY NA RIG. PRESERV. TYI ES HCL ES HCL	IFORMATION PE LABORATOF	RY ANAIR TPH-G/BTEX/MTBE	LYSES	



lient/Facility #:	ChevronTexaco #209		Job Number:	43 (17) (27)	
lite Address:	1225 N. 45Th Street		Event Date:	11-17-03	(inclusi
City:	Seattle, WA	<u> </u>	Sampler:	BWN	
Veil ID	MW- 2_ Da	ate Monitored: \\	17-03	Well Condition: 07	
Well Diameter Fotal Depth	11.62, ft.	Volume Factor (VF	3/4"= 0.02 4"= 0.66	1"= 0.04 2"= 0.17 3"= 0.38 5"= 1.02 6"= 1.50 12"= 5.80	
Depth to Water	37.5% ft.	= 22.7	x3 (case volume) =	Estimated Purge Volume:	gal.
		•		Time Started:	_(2400 hrs) (2400 hrs)
Purge Equipment:		Sampling Equipment	:	Time Bailed:	(2400 1113) ft
Disposable Bailer		Disposable Bailer		Depth to Water: 37.58	f
Stainless Steel Baile	:I	Pressure Bailer		Hydrocarbon Thickness: ्य	? ft
Stack Pump	\	Discrete Bailer		Visual Confirmation/Description:	
Suction Pump		Other:		- I - A Sagh faireig	
Grundfos				Skimmer / Absorbant Sock (circle Amt Removed from Skimmer:	gal
Other:		/ .		Amt Removed from Well: 2	gal
	. \	/		Product Transferred to: OVE	park
	. \		\		
Start Time (pure Sample Time/E Purging Flow F	Pate:Sed	eather Conditions Water Color iment Description		Odor:	
Did well de-wa	or? \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Time:	_ Volume:/	gal.	
i na wen de-wa	lG! / \ '' }~~;		_ ,		
Time (2400 hr.	Volume	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. ORP (mg/L) (mV)	
Time	Volume	Conductivity	Temperature	\ 5.5.	
Time	Volume	Conductivity	Temperature	\ 5.5.	
Time	Volume	Conductivity	Temperature	\ 5.5.	
Time	Volume	Conductivity	Temperature	\ 5.5.	
Time	Volume	Conductivity	Temperature	\ 5.5.	
Time	Volume pH	Conductivity	Temperature (C/F)	(mg/L) (mV)	
Time (2400 hr.	Volume (gal.) pH	Conductivity (u mhos/cm)	Temperature (C/F) FORMATION E LABORATO	(mg/L) (mV)	
Time (2400 hr.	Volume (gal.) pH	Conductivity (umhos/cm) LABORATORY IN G. PRESERV. TYP	Temperature (C/F) FORMATION E LABORATO LANCASTE	ORY ANALYSES ER TPH-G/BTEX	
Time (2400 hr.	Volume (gal.) pH (#) CONTAINER REFRIC	Conductivity (umhos/cm) LABORATORY IN G. PRESERV. TYP	Temperature (C/F) FORMATION E LABORATO	ORY ANALYSES ER TPH-G/BTEX	
SAMPLE ID	Volume (gal.) (#) CONTAINER REFRICE x voa vial YES	Conductivity (umhos/cm) LABORATORY IN G. PRESERV. TYP	Temperature (C/F) FORMATION E LABORATO LANCASTE	ORY ANALYSES ER TPH-G/BTEX	
SAMPLE ID	Volume (gal.) (#) CONTAINER REFRICE x voa vial YES	Conductivity (umhos/cm) LABORATORY IN G. PRESERV. TYP	Temperature (C/F) FORMATION E LABORATO LANCASTE	ORY ANALYSES ER TPH-G/BTEX	
SAMPLE ID	(#) CONTAINER REFRICATION X voa vial YES X amber YES	Conductivity (umhos/cm) LABORATORY IN G. PRESERV. TYP HCL HCL	Temperature (C/F) FORMATION E LABORATO LANCASTE	ORY ANALYSES ER TPH-G/BTEX	
SAMPLE ID MW- MW-	(#) CONTAINER REFRICE x voa vial YES x amber YES	Conductivity (umhos/cm) LABORATORY IN G. PRESERV. TYP HCL HCL	Temperature (C/F) FORMATION E LABORATO LANCASTE	ORY ANALYSES ER TPH-G/BTEX	



Cliont/Hacility #*	ChevronTexaco	#209335	Job Number:	386750	
Client/Facility #: Site Address:	1225 N. 45Th St		Event Date:	11-17-03	(inclusive
City:	Seattle, WA		Sampler:	BMN	
		Date Monitored:	11-17-03	Well Condition: 0	
Well ID	MW- 4	Date Monitored.	11111111111		
Well Diameter	2 in.	Volume	3/4"= 0.02	1"= 0.04 2"= 0.17 3"= 0.3 5"= 1.02 6"= 1.50 12"= 5	
Total Depth	41.60 ft.	Factor (V	'F) 4"≃ 0.66	5"= 1.02 6"= 1.50 12"= 5	
Depth to Water	31,37_ft xve		x3 (case volume) =	Estimated Purge Volume:	gal.
			•	Time Started:	(2400 hrs)
Purge Equipment:		Sampling Equipmen	nt:	Time Bailed: Depth to Product: 34.34	(2400 hrs) ft
Disposable Bailer		Disposable Bailer		Depth to Product: 34.37 Depth to Water: 34.37	
Stainless Steel Baile	er	Pressure Bailer		Hydrocarbon Thickness:	,03R
Stack Pump		Discrete Bailer		Visual Confirmation/Description	n:
Suction Pump		Other:		Skimmer / Absorbant Sock (cir	cle one)
Grundfos				Amt Removed from Skimmer:	gal
Other:				Amt Removed from Well:	33 gal
•		9		Product Transferred to: 01	cipall_
Start Time (pur	ae).	Weather Condition	s:		
Sample Time/D	\ 	Water Colo		Odor:	
Purging Flow F		Segiment Description	\ 		
Did well de-wa		If yes, Time:	Valume:	gal.	
Did well de-wa		7	_ \		
Time	Volume	pH Conductivity	Temperature (C/P)	,	RP IV)
(2400 hr.)) (gal.) /	/ pn (u mhos/cm)	(0,1)	/g/	•
	- \/-		·	₹	
<u>-</u>			· - · /		
	/ \		. ,	_ \	
	— /- - -			-	
					
		LABORATORY IN		ANALYSES	
SAMPLE ID	(#) CONTAINER	REFRIG. PRESERV. TY	PE LABORATO		
SAMPLE ID	(#) CONTAINER x voa viai	REFRIG. PRESERV. TYLE YES HCL	LANCASTE	R TPH-G/BTEX	
		REFRIG. PRESERV. TY	PE LABORATO	R TPH-G/BTEX	
MW-	x voa vial	REFRIG. PRESERV. TYLE YES HCL	LANCASTE	R TPH-G/BTEX	
MW-	x voa vial	REFRIG. PRESERV. TYLE YES HCL	LANCASTE	R TPH-G/BTEX	
MW-	x voa vial	REFRIG. PRESERV. TYLE YES HCL	LANCASTE	R TPH-G/BTEX	
MW-	x voa vial x amber	REFRIG.\ PRESERV. TYI YES HCL YES HCL	LANCASTE	R TPH-G/BTEX	
MW-	x voa vial x amber	REFRIG. PRESERV. TYLE YES HCL	LANCASTE	R TPH-G/BTEX	
MW- MW-	x voa vial x amber	REFRIG.\ PRESERV. TYI YES HCL YES HCL	LANCASTE	R TPH-G/BTEX	



Neat/Essility # . (ChevronTexaco	#20933	5	Job Number:	386750	
	1225 N. 45Th S			Event Date:	11-17-03	(inclusiv
_	Seattle, WA			Sampler:	BWN	
Well ID	MW- 5	Date	Monitored:		Well Condition	n:_0k
Well Diameter	2 in. 39.21 ft.		Volume Factor (V	3/4"= 0.02 F) 4"= 0.66	1"= 0.04 2"= 0.1 5"= 1.02 6"= 1.5	
Total Depth Depth to Water	38.17 ft					ne: gal
at anguse నిమ్మే నిర్వాహిస్తున్నారు. ఇక్కువ ముఖ్యముణు •	describe the proof of the State of Stat				Time Started:	(2400 hrs) (2400 hrs)
Purge Equipment:			oling Equipmen	t:	Time Bailed: Depth to Product:_	37.87 ft
Disposable Bailer		•	sable Bailer		Depth to Water:	38:17
Stainless Steel Bailer	·		sure Bailer	·	Hydrocarbon Thic	kness:ft
Stack Pump			ete Bailer		Visual Confirmation	on/Description:
Suction Pump		Othe	г		Chimmos / Absorb	pant Sock (circle one)
Grundfos			<i>j</i>		Amt Removed from	m Skimmer: gal
Other:			/ ·	•	Amt Removed fro	m Well:gal
		/	,		Product Transferr	ed to: Overpack
Purging Flow Ra Did well de-wate Time (2400 hr.)		Sedime of yes, Time	e:Conductivity (umhos/cm)	Volume: Temperature (C/F)	gal. D.O. (mg/L)	ORP (mV)
						<u> </u>
						
			BORATORY IN	FORMATION LABORATO	DRY /	ANALYSES
SAMPLE ID	(#) CONTAINER	REFRIG.	HCL.	LANCASTE		
MW-	x voa wal	YES	HCL HCL	LANCASTI		
MW-	x amber	7 123				
			<i></i>			
COMMENTS:	Bailed.	v 2 g	a SPA			
Add/Repla	aced Lock:			Add/Replaced	d Plug:	Size:



Client/Facility #:	ChevronTexac	o #2093	35	Job Number:	386750	,
	1225 N. 45Th	Street		Event Date:	12-31-03	(inclusiv
City:	Seattle, WA			Sampler:	BWN	
Well ID	MW- 2	Date	e Monitored:	12/31/03	Well Condition:	,k
Well Diameter	2 in.		Volume	3/4"= 0.02	1"= 0.04 2"= 0.17	3"= 0.38
Total Depth	41.62 ft.		Factor (V		5"= 1.02 6"= 1.50 1	12= 5.80
Depth to Water	38.19 ft.	VF	=	x3 (case volume) =	Estimated Purge Volume:	gal.
a anthonograme (State of the State of the St		e	npling Equipmen	n de grafia de la Agrada de la A Agrada de la Agrada	Time Started:	(2400 hrs)
Purge Equipment: Disposable Bailer	J		posable Bailer		Time Bailed: Depth to Product: 36	(2400 hrs)
Stainless Steel Bailer	Y		ssure Bailer /	<u> </u>	Depth to Water: 38	7.19
Stack Pump			crete Bailer		Hydrocarbon Thickness:	
Suction Pump		Oth	er:		Visual Confirmation/Des	cription:
Grundfos					Skimmer / Absorbant So	
Other:					Amt Removed from Skin Amt Removed from Well	
			,		Product Transferred to:_	Overpack
Start Time (purge) Sample Time/Date Purging Flow Par	te:/		her Conditions Water Color ent Description	·	Odor:	
Purging Flow Rat Did well de-water			ie:		gal.	·
Time (2400 hr.)	Volume (gal.)	pH /	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
						
	- \iii .				_ _	
	- -	-/				
				$\overline{}$		
	<u> </u>		BORATORY INI		Y ANALY	ere l
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPI	LABORATOR LANCASTER		353
MW-	x voa vial x amber	YES	HCL	LANCASTER		
	, Admison	1				
			U-			
	ļ	<u> </u>				
COMMENTS:	Bailed ~	2 gal	SPH			
	ed Lock:			Add/Replaced	Plua: Size:	



Client/Facility #:		co #209335		Number:	386750			_
Site Address:	1225 N. 45Th	1225 N. 45Th Street			12-31-03			(inclusive
City:	Seattle, WA		San	ppler:	BWN			_
								
Well ID	MW-4	Date Moni	tored: 12-3	1-03	Well C	Condition:	6K	
Well Diameter	2 in.	1	Volume	3/4"= 0.02	1*= 0.04	2"= 0.17	3"= 0.38	ד
Total Depth	41.60 ft.	·	Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80	1
Depth to Water	36,88 ft.						·····	-
La de la companya de la Calendaria.	<u> Viloria y X</u>	VF =====	x3 (ca	se volume) = E	stimated Pu	rge Volume: _	<u>আন্ত্রিক yান</u> gal.	Service Contract
Purge Equipment:		Sampling E	ouinment.			rted:		2400 hrs)
	•		-			led: Product:		
Disposable Bailer Stainless Steel Baile		Disposable				Water:		",
	er <u></u>	Pressure Ba				bon Thickness		
Stack Pump	 	Discrete Ba	<u></u>	 		onfirmation/De		
Suction Pump		Other:	7		· [
Grundfos					Skimmer	/ Absorbant S	ock (circle one	e) :
Other	·		/			oved from Ski loved from JiVe		
		/	,			ransferred to:		gal
			1			7.0		
Start Time (purg	· 	Weather Co				- / dor:		-
Start Time (purg Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.)	ate: / gpm. er? Volume	Segiment Des	er Color: scription: Vo	lume:emperature (C/F)	gal D) (mg	6.	ORP (mV)	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.)	ate: / gpm. er? Volume (gal.)	Segiment Des If yes, Time: PH Condu (umbe	er Color: scription: Vo activity To ps/cm)	emperature (C/F)	(m/s		(mV)	-
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.)	ate: / gpm. er? Volume (gal.)	Segiment Des If yes, Time: PH Condu (umbe) LABORA REFRIG. PRESE	er Color: Scription: Vo script	emperature (C/F) ATION		ANALY	(mV)	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.) SAMPLE ID MW-	ate: / gpm. er? Volume (gal.) (#) CONTAINER x voa vial	Segiment Des If yes, Time: PH Condu (umbs) LABORAN REFRIG. PRESE YES	er Color: scription: Vo scription:	ATION ABORATORY	D) (m/g	ANALY	(mV)	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.)	ate: / gpm. er? Volume (gal.)	Segiment Des If yes, Time: PH Condu (umbs) LABORAN REFRIG. PRESE YES	er Color: Scription: Vo Script	emperature (C/F) ATION		ANALY	(mV)	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.) SAMPLE ID MW-	ate: / gpm. er? Volume (gal.) (#) CONTAINER x voa vial	Segiment Des If yes, Time: PH Condu (umbs) LABORAN REFRIG. PRESE YES	er Color: scription: Vo scription:	ATION ABORATORY	D) (m/g	ANALY	(mV)	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.) SAMPLE ID MW-	ate: / gpm. er? Volume (gal.) (#) CONTAINER x voa vial	Segiment Des If yes, Time: PH Condu (umbs) LABORAN REFRIG. PRESE YES	er Color: scription: Vo scription:	ATION ABORATORY	D) (m/g	ANALY	(mV)	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.) SAMPLE ID MW-	ate: / gpm. er? Volume (gal.) (#) CONTAINER x voa vial	Segiment Des If yes, Time: PH Condu (umbs) LABORAN REFRIG. PRESE YES	er Color: scription: Vo scription:	ATION ABORATORY	D) (m/g	ANALY	(mV)	



lient/Facility #:	ChevronTexaco	#209335	Job Number:	386750	
Site Address:	1225 N. 45Th S		Event Date:	12-31-03	(inclusive)
	Seattle, WA		Sampler:	RMN	
City:	Seattle, WA				2 7 7
Well ID	MW- 5	Date Monitored:	12-58/03	Well Condition:	ostructed
Well Diameter	2 in.			1"= 0.04 2"= 0.17 3"= 0.34	
	35.92 ft.	Volume Factor (V	3/4"= 0.02 /F) 4"= 0.66	1"= 0.04 2"= 0.17 3"= 0.34 5"= 1.02 6"= 1.50 12"= 5.6	l l
Total Depth		Pacior	4 - 0.00		
Depth to Water	ft.	·	v3 (case volume) =	Estimated Purge Volume:	_ gal.
1	xv	r	_ xo (cross sources,	Time Started:	(2400 hrs)
Purge Equipment:		Sampling Equipme	nt:	Time Bailed:	(2400 hrs)
		Disposable Bailer		Depth to Product:	ft
Disposable Bailer Stainless Steel Baile		Pressure Bailer		Depth to Water:	
	ęı <u> </u>	Discrete Bailer		Hydrocarbon Thickness:	 #
Stack Pump Suction Pump		Other:		Visual Confirmation/Description	i.
Suction Pump Grundfos		7		Skimmer / Absorbant Sock (circ	de one)
Other:		\mathcal{X}		Amt Removed from Skimmer:_	gal
Outer				Amt Removed from Well:	gal
		/		Product Transferred to:	
Start Time (pur) Sample Time/D Purging Flow F Did well de-wa	Pate: / Rate: gpm. Iter?	Water Cole Sediment Description If yes, Time: Conductivity (umhos/cm)		Odor:gal. D.O. OF (mg/L) (m	RP
(2400 hr.)					
		LABORATORY I		RY ANALYSES	
		REFRIG. PRESERV. TY			
SAMPLE ID			IANCASTE	R ITPH-G/BIEX	
MW-	x voa vial	YES HCL	LANCASTE		
			LANCASTE		
MW-	x voa vial	YES HCL			
MW-	x voa vial	YES HCL			
MW-	x voa vial x amber	YES HCL YES HCL	LANCASTE	R TPH-Dx w/sg	mat obstr
MW-	x voa vial x amber	YES HCL	LANCASTE		ant obst
MW-	x voa vial x amber	YES HCL YES HCL	LANCASTE	R TPH-Dx w/sg	_ out obst
MW-	x voa vial x amber	YES HCL YES HCL	LANCASTE	R TPH-Dx w/sg	out obst

FORMER CHEVRON SERVICE STATION #209335 Seattle, Washington

MONITORING & SAMPLING EVENT OF MARCH 4, 2003



WELL MONITORING/SAMPLING **FIELD DATA SHEET**

Client/Facility #:	Former Chevron #20933	.5 Jo	ob Number:	386750		
Site Address:	1225 North 45th street	E	vent Date:	3-4-03		
City:	Seattle, Washington	s	ampler:	BWN		
Well ID	MW- / We	ell Condition:	0.1	K		
Well Diameter Total Depth		drocarbon ickness:	Ø ft.	Amount Bailed (product/water):	Ø gal.	
Depth to Water	37.26 ft.	Volume Factor (VF)		1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	The state of the s	urti sa s
	xVF	=x3	(case volume) = E	stimated Purge Volume:	gal.	
Purge Equipment:	Disposable Bailer Stainless Steel Bailer	/	Sampling Equipment:	Disposable Bailer _ Pressure Bailer	/	
Edaibillour	Stack Pump			Discrete Bailer		
	Suction Pump			Other:		
	Grundfos Other:			,		
Sample Time/l Purging Flow I Did well de-wa Time (2400 hr	Pate: 915 / Rate: gpm. Sedimerater? lf yes, Time	water Color: Water Color: nt Description: e: Conductivity (umhos/cm)		gal.	ORP (mV)	- - - -
	LAI	BORATORY INF				
SAMPLE II		PRESERV. TYPE		TPH-G/BTEX/MTBI	LYSES	
MW- /	3 x voa vial YES 1 2 amber L YES	HCL HC HC	L. LL	TPH(D)x45		
COMMENTS	s: No Punge					
Add/Do	placed Lock:		Add/Replaced	d Plug: S	Size:	

Add/Replaced Lock: _____

Client/Facility #:	Former Chevron	#209335	_ Job Number:	386/50		•
Site Address:	1225 North 45th s	treet	Event Date:	3-4-03		
City:	Seattle, Washing	ton	Sampler:	BWN		
· · · · · · · · · · · · · · · · · · ·			<u> </u>			
Well ID	MW- 2	Well Condit	ion:	U.T.A.	<u> </u>	
Well Diameter	2 in.	Hydrocarbo	n	Amount Bailed		
Total Depth	41,62 ft.	Thickness:	ft	(product/water):	gal.	
Depth to Water	the the second s	Volu				
		L	or (VF) 4"= 0.66		12"= 5.80	
	xVF	=	x3 (case volume) =	Estimated Purge Volume: _	gal.	
Purge ·	Disposable Bailer		Sampling	Disposable Bailer		
Equipment:	Stainless Steel Bailer		Equipment:	· ·	· · ·	
• •	Stack Pump		_ \	Discusts Dellan		
-	Suction Pump)———	<u> </u>	Other:		
	Grundfos	/	_ \			
•	Other:	/		•		
				· · · · · · · · · · · · · · · · · · ·		
Start Time (pur	rue):	Weather Condi	tions:	\ /	_	
Sample Time/I		\ Water 0		Odor:	·	
Purging Flow		Sediment Descri	ption:			
Did well de-wa		yes,\Time:	Volume:	gal.		
		\		D.O.	ORP	
Time (2400 hr	Volume .) (gal.)	OH Conductiv		(mg/L)	(mV)	
(2.000.11	, (guil)	\ .				
	/					•
			/			•
. <u> </u>	<u> </u>		_	<u> </u>		
·			<u> </u>			
0.4401 5.15	T dis order a superior T is		TYPE LABORATION	ODV ANA	LYSES	
SAMPLE ID	(#) CONTAINER F	YES HO		TPH-G/BTEX/MTBE		
10100-	X voa viai	123 . 110				
				'	1 -010	
COMMENTS	s: <u>Unabl</u>	e to access	, SHA WUCK	c parked over	wer	
		<u>·</u>				
	<u> </u>					
Add/Re	placed Lock:		Add/Replace	d Plua: Si	ze:	



Client/Facility #:	Former Chevro	n #20933	5 J	lob Number:	386750	<u> </u>	
Site Address:	1225 North 45t			Event Date:	3-4-03		
City:	Seattle, Washin	ngton	·	Sampler:	3-4-03 BWN		
: 							
Well ID	<u>mw-3</u>	We	ell Condition:		o.k.		
Well Diameter	2 in.	•	drocarbon	<i>a</i>	Amount Bailed	8	
Total Depth	41.69 ft.	Thi	ickness:	O ft.		gal.	
Depth to Water	37.79 ft.	r	Volume Factor (VF	3/4"= 0.02 3 4"= 0.66			
	xVF				Estimated Purge Volume:	gal.	
•							
Purge	Disposable Bailer	·		Sampling Equipment:	Disposable Bailer		
Equipment:	Stainless Steel Ba	iler 		Equipment	Pressure Bailer Discrete Bailer		
·	Stack Pump		/		Other:		
	Suction Pump Grundfos		/		<u></u>		
	Other:						
		 _	·	•			
Start Time (pur	ge): 93D	Weath	er Conditions:				•
Sample Time/I	Date: 945 /		Water Color:		Odor:	<u> </u>	•
Purging Flow I			nt Description:				
Did well de-wa	ter?/lo	If yes, Time):	_ Volume:	gal.		
Time	Volume	pН	Conductivity	Temperature		ORP	
(2400 hr.	gal.)	pii	(umhos/cm)	(C/F)	(mg/L)	(mV)	
· ·	- 						-
							-
		<u> </u>					
	/	-\		<u>/</u>			-
			SORATORY INF	ODMATION			
SAMPLE ID	(#) CONTAINER		PRESERV. TYP		ORY ANA	ALYSES	
MW- 3	3 x voa vial		HCL	LL	TPH-G/BTEX/MTB		
Min-	3 2 amber L	y€5	HCL ME	LL	TPH(D)XW	<u>/sg.</u>	
-	- 	1					
COMMENTS	: No Pa	uge					
. ·				.			
						·	
Add/Re	olaced Lock:			Add/Replaced	d Plug:S	Size:	

Client/Facility #:	Former Chevron #	209335	Job Number:	386750		
Site Address:	1225 North 45th s	treet	Event Date:	3-4-03	; 	
City:	Seattle, Washingt	on	Sampler:	BWN		
Well ID	<u>mw-4</u>	Well Conditio	n:	<u> </u>		
Well Diameter	<u>2</u> in.	Hydrocarbon		Amount Bailed	.33 gal.	
Total Depth	41.60 ft.	Thickness:	103 ft.	(product/water):		6 .
Depth to Water	36.68 ft.	Volum Factor				•
	xVF	=	` 	Estimated Purge Volume:	gal.	
				, i	/	
Purge	Disposable Bailer		Sampling	Disposable Bailer		
Equipment:	Stainless Steel Bailer		Equipment:	Pressure Bailer	/	
	Stack Pump \		_	Discrete Baller		
	Suction Pump		_	Other:		
	Grundfos	/	_	\wedge		
	Other:		_			
Sample Time/Depuis Flow Flow Flow Flow Flow Flow Flow Flow	Rate: gpm. / If y	Water Co Sediment Descripti res, Time: Conductivity (umhos/cm)	ion: Volume: Temperature	gal. D.O. (mg/L)	ORP (mV)	
,			INFORMATION	ANI ANI	ALYSES	_
SAMPLE ID		EFRIG. PRESERV.	TYPE LABORATO	TPH-G/BTEX/MTB		\dashv
MW-	x voe vial	YES HCL		, IFII-G/DIE/OMID		\dashv
				\		\Box
				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
COMMENTS	: Basted ~	.33 gal 57	oh			
Add/Rei	placed Lock:		Add/Replaced	d Plug:	Size:	



lient/Facility #:	Former Chevron #2093	Job Number:	386750	
ite Address:	1225 North 45th street		3-4-03	
City:	Seattle, Washington	Sampler:	BWN	
Vell ID	MW- 5 W	/ell Condition:	O.K.	
Vell Diameter Total Depth	2 in. H	ydrocarbon hickness: 135 f	Amount Bailed t. (product/water):	2 gal.
Depth to Water		Volume 3/4"= 0.0 Factor (VF) 4"= 0.6	2"= 0.04 2"= 0.17 6 5"= 1.02 6"= 1.50	
	xVF	= x3 (case volume) =	Estimated Purge Volume: _	gal.
Purge Equipment:	Disposable Bailer Stainless Steel Bailer	Sampling Equipment:	./ -	
	Stack Pump /		Discrete Bailer	
	Suction Rump Grundfos Other:			·
Start Time (pure Sample Time/D		her Conditions: Water Color:	Odor:	
Purging Flow F		ent Description:		
Did well de-wa	 /\	ne: Volume:	gal.	
Time (2400 hr.)	Volume pH	Conductivity Temperatur (u mhos/cm) (C/F)	e D.O. (mg/L)	ORP (mV)
-				
	1.0	BORATORY INFORMATION		·····
SAMPLE ID		PRESERV. TYPE LABORAT	ORY ANA	YSES
MW-	x voa vial YES	HCL	TPH-G/BTEX/MTBE	
		<u> </u>		
		7 0 / 6 /		
COMMENTS	: Bayled ~ 2	- gal spr		

CUGALOU MOULUMEST VERBIOLI VILORA 212



For Lancaster Laboratories use only

Acct. #: 11260 Sample #: 4010824: 26

scr#: 844613

ware quality is a	SOEIRE.													. 🗛	naly	505	Re	dnes	ted								
·	<u> </u>							latrix	_		-			F	res	rva	tion	Co	ies	_			1	Prese			
Facility #: SS#2093	335 G-R#386	750				-	TV	neurix	'		H			H	H		A Section	ـ	_	-	╀╌	-	H=H	HCI HNO3		Thiosi	
Sité Address: 1225 N.	45th Street, 5	SEATTLE	, WA			- [Ð	ŀ					Section 250	:						1 ₂ SO ₄		Other	
Chevron PM: BH		Lead C	consultant:	SAICLB		_ [<u>د</u>	Hidae L	2					2 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m	_				1	Dlw	alue rep	orting r	reeded	
Consultant/Office: G-	C lan 6747.9	— Sierra Co	urt. Suite J.	Dublin, Ca	. 94!	36 2		DES DES		ajne		3	i		76 de	g g		욢	ŀ				☐ Mu	st meet ssible fo	lowest	detectio	on ilmits unds
Consultant/Office: _G=	N, 111Co, 07-77 C	ina (da	enna@arin	com)		- 1		Potable NPDES		Ę	6280	.			D DEntended Ring.	≸	1:	quantification						MTBE (
Consultant Prj. Mgr.: De			Fax #:	025.651	7200	⁻	ľ			of O	E 2	 	.		Stice								8021 □ Co	nim M	TBE + I	Naphtha	ilene .
Consultant Phone #: 92	<u>25-551-7555</u>		rax #:	92.5001-		_				ber	图	_	Oxygenates		212		-:	윤	1].			I⊟c∞	រាព្រះកា hk	ghest h	lt by 820	30
Sampler: Ben U			- 040		!	age	-		٩٢٥	N S	星	<u>8</u>	8	臣	₹	rego Tego	Æ	턒	1	1	1			ការិកា ឧរិ ព	i hits by	8260 n blobe:	at hit
Service Order #:		UNO	n SAR:	Time	Grab	Composite	Soil	Water		Total Number of Containers	BIEX + MRBG- 8021 (2)	8260 full ecan	ĬĬ	Ϋ́	k	[E8]	VPHOPH	NWTPH H HCID				}	Ru	" n	oxy s o	n all hits	3
Sample identification			Collected	Collected	_	ठ	ŭ				-	8	-	X	-	무	╇	╀	-	一	╁╴	十		ments			
TR-LB			3-4-03		X		_	K	\vdash	25	K	-		रि	X		+	╁╌	 	十	✝	1	1				٠
MW-I				915	X		{	<u> </u>		_	숝	 	-	X	文		1.	╁╴			Τ	1	1				
MW-3				945	┞			·/	-	9		 	╁╴	-	-	1		1]				
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Turnareund Time Rec	(TAT) (auceurp	please circl	ө)	Relinqu	B	بع	M	wk	N				3	-12-0	23 (200					<u> </u>	<u> </u>					<u> </u>
STD. TAT	72 hour 4 day	48 hour 5 day		Relinqu	dshed	by	_							Date	•	Tim	θ	Rec	elved	i by:					1	Date	Time
24 hour			·	Reling	ished	bv:	<u> </u>	~				÷	+	Date	+	Tim	9	Rec	eived	i by:				<u> </u>	1	Date	Time
Data Package Option	s (please circle if	required)				·			_	<u> </u>			<u>. </u>				_							<u> </u>			
QC Summary	Type (- Full Disk / EDD			Relinq	ished	/ -	•	nercia	i Ca	mer.								١,	.1	d by:		Λ		^	14	Pals—	Time
Type VI (Raw Data) WIP (RWQCB)	Standard Forma			UPS	_(Fed		<u>):</u>	_	ther	=				<u></u>	_	_			Щ		<u>برل</u>		24		<u>63</u>	091=
Disk		Other.		Tempe	ratura	Upo	n Ke	celpit	75	<u>;a:</u>	<u> </u>	<u>ල ද</u>	رعد	4.	G ľ	-5	ر ا	Çus	tody	Seal	a(Inf	pct?	<u> </u>	es <u>)</u> 1	No		
<u> </u>								٠.									- ,								24	20 Day	9/8/01



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 844613. Samples arrived at the laboratory on Thursday, March 13, 2003. The PO# for this group is 99011184 and the release number is HUNTER.

Client Description

TB-LB Water Sample MW-1 Grab Water Sample MW-3 Grab Water Sample Lancaster Labs Number

4010824 4010825 4010826

1 COPY TO ELECTRONIC COPY TO SAIC Gettler-Ryan Attn: Ms. Deanna Harding Attn: Cheryl Hansen



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

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

Respectfully Submitted,

UMMAHADAH Viciona M. Manel Akasasa



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Page 1 of 1

Lancaster Laboratories Sample No. WW 4010824

Collected:03/04/2003 00:00

Submitted: 03/13/2003 09:15 Reported: 03/25/2003 at 11:14

Discard: 04/25/2003

TB-LB Water Sample

 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	ox to any Units	Dilution Factor
08213 00776 00777 00778 00779	Benzene Toluene Ethylbenzene Total Xylenes A site-specific MSD sample was was performed to demonstrate pr	71-43-2 108-88-3 100-41-4 1330-20-7 not submitted ecision and ac	N.D. N.D. N.D. N.D. for the project. curacy at a batch	0.50 0.50 0.50 1.5 A LCS/LCSD	ug/l ug/l ug/l ug/l	1 1 1
08274 01648	TPH by NWTPH-Gx waters TPH by NWTPH-Gx waters A site-specific MSD sample was was performed to demonstrate pr	n.a. not submitted recision and ac	N.D. for the project. curacy at a batch	50. A LCS/LCSD n level.	ug/l	1

		Laboratory	Chro	nicle Analysis		Dilution
CAT No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
08213	BTEX (8021)	SW-846 8021B	1	03/17/2003 07:16	Linda C Pape	1
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	03/17/2003 07:16	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/17/2003 07:16	Linda C Pape	n.a.



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4010825 Lancaster Laboratories Sample No.

Collected: 03/04/2003 09:15

by BN

Account Number: 11260

Submitted: 03/13/2003 09:15

Reported: 03/25/2003 at 11:15

6001 Bollinger Canyon Road L4310

Discard: 04/25/2003 MW-1 Grab Water Sample San Ramon CA 94583

ChevronTexaco

Facility# 209335 Job# 386750

1225 N. 45th Street; Seattle, WA

4	5	\mathbf{T}	н	1
	_	-	••	-

				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
02030	Site-specific QC samples were no		or the project. A	LCS/LCSD		
	was performed to demonstrate pr	ecision and ac	curacy at a batch	level.		
	WAS PETICIMED CO DEMONSCIACO P-		-			
08213	BTEX (8021)					
	,					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	. 1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1 .
00779	Total Xvlenes	1330-20-7	N.D. #	3.0	ug/l	1
	A site-specific MSD sample was	not submitted	for the project.	A LCS/LCSD		•
	was performed to demonstrate p	ecision and ac	curacy at a batch	level.		
		•				
	Due to the presence of an inter	rferent near it	s retention time,	the normal		
	reporting limit was not attained	ed for total xy	/lenes. The			
	presence or concentration of the	his compound ca	annot be determine	ed due to the		
	presence of this interferent.					
	_					
08274	TPH by NWTPH-Gx waters		-			
01648	TPH by NWTPH-Gx waters	n.a.	100.	. 50.	ug/l	1
02030	A site-specific MSD sample was		for the project.	A LCS/LCSD		
	was performed to demonstrate p	recision and a	ccuracy at a batcl	h level.		
	are betreture to demonstrate b		-			

ьаро	rat	OI.	У.	CHI	OIIT	СT	e
			_			_	~

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst Devin M Hetrick	Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97- 602(modified)	1	03/20/2003 07:18	Devin M Hetrick	1
08213	W/SIGEI BTEX (8021)	SW-846 B021B	1	03/17/2003 19:57	Melissa D Mann	1
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx -	1	03/17/2003 19:57	Melissa D Mann	1
01146	GC VOA Water Prep	8015B Mod. SW-846 5030B	1	03/17/2003 19:57	Melissa D Mann	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602, 6/97	1	03/14/2003 17:00	JoElla L Rice	1



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Lancaster Laboratories Sample No. WW 4010825

Collected:03/04/2003 09:15

by BN

Submitted: 03/13/2003 09:15 Reported: 03/25/2003 at 11:15

Discard: 04/25/2003 MW-1 Grab Water Sample

45TH1

Account Number: 11260

ChevronTexaco 6001 Bollinger Canyon Road L4310

San Ramon CA 94583



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4010826 Lancaster Laboratories Sample No.

Collected: 03/04/2003 09:45

by BN

Account Number: 11260

Submitted: 03/13/2003 09:15 Reported: 03/25/2003 at 11:15

ChevronTexaco 6001 Bollinger Canyon Road

Discard: 04/25/2003

L4310

MW-3 Grab Water Sample

San Ramon CA 94583

Facility# 209335 Job# 386750

1225 N. 45th Street; Seattle, WA

of 45TH3 influences outside the supplication of the first
•				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
	Site-specific QC samples were n	ot submitted f	or the project.	A LCS/LCSD		
	was performed to demonstrate pr	ecision and ac	curacy at a batc	h level.		
	•					
08213	BTEX (8021)			•		
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	-	1330-20-7	N.D.	1.5	ug/1	1
00,,5	A site-specific MSD sample was		for the project.	A LCS/LCSD		
•	was performed to demonstrate p	recision and a	ccuracy at a bato	h level.		
	man ha wanta a	•				
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	50.	ug/l	1
	A site-specific MSD sample was	not submitted	for the project	A LCS/LCSD		
	was performed to demonstrate p	recision and a	ccuracy at a bate	ch level.		
			_			

CAT	••	Laboratory	Chro	nicle Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02211	TPH by NWTPH-Dx(water)	NWTPH-Dx, ECY 97-	1	03/20/2003 07:43	Devin M Hetrick	1
08213	w/SiGel BTEX (8021)	602 (modified) SW-846 8021B	1	03/17/2003 20:30	Melissa D Mann	1
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx -	1	03/17/2003 20:30	Melissa D Mann	1
01146	GC VOA Water Prep	8015B Mod. SW-846 5030B	1	03/17/2003 20:30	Melissa D Mann	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602	, 1	03/14/2003 17:00	JoElla L Rice	1



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Quality Control Summary

Client Name: ChevronTexaco

Group Number: 844613

Reported: 03/25/03 at 11:15 AM

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MD</u> L	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 030730014A Diesel Range Organics Heavy Range Organics	Sample n N.D. N.D.	number(s): .08 .1	4010825-40 mg/l mg/l	10826 91	80	55-126	13	20
Batch number: 03073A55B Batch	Sample: N.D. N.D. N.D. N.D. N.D.	number(s):	4010824-40 ug/l ug/l ug/l ug/l mg/l	97 103 104 104 100	103 107 108 109 103	80-118 82-119 81-119 82-120 70-130	5 4 4 4 3	30 30 30 30 30

Sample Matrix Quality Control

	MS	MSD	ms/msd		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name	%REC	%REC	<u>Limits</u>	RPD	<u>MAX</u>	Conc	Conc	RPD	<u>Max</u>
Batch number: 03073A55B Benzene	Sample 90	e number	(s): 40108 67-136 78-129	24-40108	26				

Toluene Ethylbenzene 78-130 107 Total Xylenes 70-130 TPH by NWTPH-Gx waters

Surrogate Quality Control

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

Batch number: 030730014A Orthoterphenyl

4010825	105				
4010826	88				
Blank	97			•	
LCS	132				
LCSD	119				
	=		 	 	

Limits: 50-150

Analysis Name: TPH by NWTPH-Gx waters

Batch numb	er: 03073A55B Trifluorotoluene-P	Trifluorotoluene-F	
4010824	112	98	
4010825	112	⁻ 96	
4010826	111	98	•
Blank	113	99	
LCS	112	102	
LCSD	111	102	
MS	105	95	
			·

*- 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: 844613

Reported: 03/25/03 at 11:15 AM

Surrogate Quality Control

Limits:

66-136

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

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

ne ronowing i	delines common symbols and and and	•	_
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	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 falls within the Method Detection Limit (MDL) and 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 weightbasis

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:

A B C D E	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	B E M N S	Value is <crdl, (msa)="" additions="" but="" calculation<="" control="" due="" duplicate="" estimated="" for="" injection="" interference="" limits="" met="" method="" not="" of="" precision="" sample="" spike="" standard="" th="" to="" used="" within="" ≥idl=""></crdl,>
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%

U Compound was not detected

X.Y.Z Defined in case narrative

* Duplicate analysis not within control limits

* Correlation coefficient for MSA <0.995

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.

Organic Qualifiers

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 JUNE 3, 2003



Former Chevror 1225 North 45th Seattle, Washin	street		ent Date:	63-03		
				i2 \		
		Sa	mpler:	BWN		
Disposable Bailer	Well Cor Hydroca Thicknes	rbon ss: Volume Factor (VF) x3 (c	4°= 0.66 case volume) = E	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	12"= 5.80	N
Stack Pump Suction Pump Grundfos Other:				Discrete Bailer Other:		
ate: gpm.	Wate Sediment Des	er Color: scription:	Volume:	Odor:		
Volume (gal.)	Condu	ectivity	Temperature (C/F)	D.O. (mg/L)	ORP . (mV)	
						, ,
		7				
	/			<u> </u>		
(#) CONTAINER x voa viai	YES	HCL	$\overline{}$	TPH-G/BTEX/		=
Andril	<u> </u>	1.		11414237 (1)		
Monitorin	g Only					!
	37.09 ft. xVF_ Disposable Bailer Stainless Steel Baile Stack Pump Suction Pump Grundfos Other: ate: gpm. volume (gal.) (#) CONTAINER x voa vial Ander L	Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Other: Weather Conduction Water	Salar Salar Salar Salar Salar Stainless Steel Bailer Stack Pump Suction Pump Suction Pump Suction Pump Suction Pump Sediment Description: If yes, Time: Yolume (gal.) PH Conductivity (u mhos/cm) Conductivity (Signature Sampling Sampling Equipment:	Section Pump Section Pump Section Pump Suction Pump Section Pump Sect	Section Sect

Client/Facility #:	Former Chevron #2093 <u>35</u>	Job Number: <u>3</u>	86750	
· -	1225 North 45th street	Event Date:	6-3-03	ı
City:	Seattle, Washington	Sampler:	BWN	
Well ID	MW- 2 Well Condi	tion: OK		•
Well Diameter	2 in. Hydrocarbo	F11	Amount Bailed	
Total Depth	시.6ン ft. Thickness:	<u>.54 n.</u>	(product/water): gal.	1.#
Depth to Water		ime 3/4"= 0.02 for (VF) 4"= 0.66	1"= 0.04 2"= 0.17 3"= 0.38 5"= 1.02 6"= 1.50 12"= 5.80	
	xVF==	x3 (case volume) = Est	imated Purge Volume: gal.	
Purge	Disposable Bailer		Disposable Bailer	
Equipment:	Stainless Steel Bailer		Pressure Bailer	•
. \	Stack Pump		Discrete Bailer	•
`	Suction Pump	_ ,	Other:	•
	Grundfos		<i>)</i>	
	Others	\rightarrow		
Purging Flow Ra Did well de-wate Time (2400 hr.)	 / \	Volume:	gal. D.O. ORP (mg/L) (mV)	- - -
•		_/		-
				
		NEORMATION	ANALYSES	
SAMPLE ID			TPH-G/BTEX	
MW-	x you vial YES HC	Lencusion	TPHUDJX W/SG	
- Prov	FAMUE 2			
COMMENTS:	Boiled ~ 2 gal 5	PH		
Add/Penl	aced Lock:	Add/Replaced P	lug: Size:	



Client/Facility #: Fo	ormer Chevron #209	335	Job Number:	386750		
	225 North 45th stree		Event Date:	6-3-03		
	eattle, Washington		Sampler:	BWN		
Well ID	MW-3	Well Condition	ok	· · · · · · · · · · · · · · · · · · ·		
Well Diameter		Hydrocarbon		Amount Bailed	d	
Total Depth	41.69 ft.	Thickness:	Ø ft.		gal.	
Depth to Water		Volume Factor (5"= 1.02 6"= 1.50	3"= 0.38 12"= 5.80	· ··
· _	xVF	ــــا ــــــــــــــــــــــــــــــــ	x3 (case volume) = [Estimated Purge Volume: _	gal.	
Purmo 5	D-9		Sampling	Disposable Bailer		
	Disposable Bailer		Equipment:	Pressure Bailer		
	Stainless Steel Bailer		4	Discrete Bailer		
	Stack Pump			Other:		
	Suction Pump			7		
	Grundfos _	/ `				
(Other:					
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.)	e: gpm. Sedi	Water Colo	n:	gal. D.O. (mg/L)	ORP (mV)	
	, <u>.</u>	LABORATORY II	NFORMATION			
SAMPLE ID	(#) CONTAINER REFRIG	. PRESERV. TY			YSES	
MW-	x voa vial YES	HCL	Laucasto		<u> </u>	
MW	Ambej	- i /	_ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	TRHUD'X W/	<u> </u>	
	 		 }			
 						
COMMENTS:	Monitoring O	n\				
						-

Client/Facility #:	Former Chevron #20	0900	Job Number:	386750	
Site Address:	1225 North 45th stre	eet	Event Date:	6-3-03	
City:	Seattle, Washingtor	<u> </u>	Sampler:	BWN	
Well ID	MW-F	Well Condition:	0/2		
Well Diameter	2 in.	Hydrocarbon		Amount Bailed	mm .33
Total Depth	41.60 ft.	Thickness:	.04 ft.	(product/water):	4MY gal.
Depth to Water	36.59 ft.	Volume Factor (V	3/4"= 0.02 /F) 4"= 0.66	1"= 0.04 2"= 0.1 5"= 1.02 6"= 1.5	
	xVF	=	x3 (case volume) = E	Estimated Purge Volume:	: gal.
Purge	Disposable Bailer		Sampling	Disposable Bailer	
Equipment:	Stainless Steel Bailer		Equipment:	Pressure Bailer	-
	Stack Pump			Discrete Bailer	
	Suction Pump			Other	
	Grundfos	/		/	
	Other:				•
	Calci			<u>/ </u>	
	\ /		/		
Start Time (pur Sample Time/l	Date:	Veather Conditions Water Colo	r:	Odor:	
Sample Time/I Purging Flow I	Date: gpm/ Sec	Water Colo diment Description	r:	Odor:	
Sample Time/	Date: gpm/ Sec	_ Water Colo	r: D: Volume:	gal.	
Sample Time/I Purging Flow I Did well de-wa	Pate: Rate: gpm/ Ser ster? If yes,	Water Color diment Description Time: Conductivity	r:	gal.	ORP.
Sample Time/I Purging Flow I Did well de-wa	Pate: Rate: gpm/ Security Sec	Water Color diment Description Time:	r: D: Volume:	gal.	
Sample Time/I Purging Flow I Did well de-wa	Pate: Rate: gpm/ Ser ster? If yes,	Water Color diment Description Time: Conductivity	r:	gal.	ORP.
Sample Time/I Purging Flow I Did well de-wa	Pate: Rate: gpm/ Ser ster? If yes,	Water Color diment Description Time: Conductivity	r:	gal.	ORP.
Sample Time/I Purging Flow I Did well de-wa	Pate: Rate: gpm/ Ser ster? If yes,	Water Color diment Description Time: Conductivity	r:	gal.	ORP.
Sample Time/I Purging Flow I Did well de-wa	Pate: Rate: gpm/ Ser ster? If yes,	Water Color diment Description Time: Conductivity	r:	gal.	ORP.
Sample Time/I Purging Flow I Did well de-wa Time	Pate: Rate: gpm/ Ser ster? If yes,	Water Color diment Description Time: Conductivity	r:	gal.	ORP.
Sample Time/I Purging Flow I Did well de-wa	Pate: Rate: gpm/ Ser ster? If yes,	Water Color diment Description Time: Conductivity (u mhos/cm)	Temperature (C/F)	gal.	ORP.
Sample Time/I Purging Flow I Did well de-wa	Date: Rate: gpm/ Securiter? If yes, Volume pH	Water Color diment Description Time: Conductivity (u mhos/cm)	r:	gal. D.O. (mg/L)	ORP.
Sample Time/I Purging Flow I Did well de-wa	Cate: Rate: gpm/ Security: If yes, Volume pH (gal) (#) CONTAINER REFR	Water Color diment Description Time: Conductivity (umhos/cm) LABORATORY IN	r:	gal. D.O. (mg/L) RY ANA	ORP (mV)
Sample Time/I Purging Flow I Did well de-wa Time (2400 hr.	Cate: Rate: gpm/ Security: If yes, Volume pH (gal) (#) CONTAINER REFR	Water Color diment Description Time: Conductivity (u mhos/cm) LABORATORY IN S HCL	r:	gal. D.O. (mg/L)	ORP (mV)
Sample Time/I Purging Flow I Did well de-wa Time (2400 hr.	Date: Rate: gpm/ Seather? If yes, Volume pH (gal/) (#) CONTAINER REFR Lyoa vial YES	Water Color diment Description Time: Conductivity (u mhos/cm) LABORATORY IN S HCL	r:	gal. D.O. (mg/L) RY ANA	ORP (mV)
Sample Time/I Purging Flow I Did well de-wa Time (2400 hr.	Date: Rate: gpm/ Seather? If yes, Volume pH (gal/) (#) CONTAINER REFR Lyoa vial YES	Water Color diment Description Time: Conductivity (u mhos/cm) LABORATORY IN S HCL	r:	gal. D.O. (mg/L) RY ANA	ORP (mV)
Sample Time/I Purging Flow I Did well de-wa Time (2400 hr.	Cate: gpm Secondary Second	Water Color diment Description Time: Conductivity (umhos/cm) LABORATORY IN SIG. PRESERV. TYF S HCL	Temperature (C/F) FORMATION PE LABORATOR	gal. D.O. (mg/L) RY ANA	ORP (mV)
Sample Time/I Purging Flow I Did well de-wa Time (2400 hr.	Oate: Rate: gpm Seater? If yes, Volume pH (gal pH (#) CONTAINER REFR Avoa vial YES Andrei	Water Color diment Description Time: Conductivity (umhos/cm) LABORATORY IN SIG. PRESERV. TYF S HCL	Temperature (C/F) FORMATION PE LABORATOR	gal. D.O. (mg/L) RY ANA	ORP (mV)



Site Address: 1225 North 45th street Seattle, Washington Well ID Well ID Well Diameter Total Depth Depth to Water Total Depth Disposable Bailer Stainless Steel Bailer Stainless Steel Bailer Stack Pump Sudtion Pump Grundfos Other: Weather Conditions: Start Time (purge): S	Client/Facility #:	Former Chevron #209335	Job Number:	386750
Sample S	_		Event Date:	6.3-03
Well Diameter 2 in. Hydrocarbon Thickness: 3H ft. Amount Bailed (product/water): 2 gal. Depth to Water 37 H 1 ft. Thickness: 3H ft. Amount Bailed (product/water): 2 gal. Volume Factor (VF)			Sampler:	BWN
Start Time (purge): Sample Time/Date: Purging Flow Rate: gpm. Sediment Description: Did well de-water? If yes, Time: Conductivity (umhos/cm) Conductivity (c/F) Conductivity (mg/L) Conductiv	Well ID Well Diameter Total Depth Depth to Water	MW-5 2 in. Hydroca Thickness Thickness xVF == Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos	rbon ss: ,3	gal. 1"= 0.04 2"= 0.17 3"= 0.38 5"= 1.02 6"= 1.50 12"= 5.80 Estimated Purge Volume: gal. Disposable Bailer Pressure Bailer Discrete Bailer
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES MW- Was vial YES HCL Laucastol TPH-G/BTEXI	Sample Time/D Purging Flow F Did well de-wa	Date: / Wate Rate: gpm. Sediment Des ster? If yes, Time:	er Color: cription: Volume: ctivity Temperature	gal. D.O. ORP
COMMENTS: Builed N Z gal SP#	MW-	(#) CONTAINER REFRIG. PRESE	HCL LABORATO	TPH-G/BTEX

FORMER CHEVRON SERVICE STATION #209335 Seattle, Washington

MONITORING & SAMPLING EVENT OF OCTOBER 27, 2003



lient/Facility #: C	hevronTexaco #	209335	Job Number:	386750	<u>. </u>
	225 N. 45Th Stre	et	Event Date:	10-27-03	(inclusi
city: S	eattle, WA		Sampler:	BWN	<u> </u>
Vell ID	MW -1	Date Monitored:	10/27/03	Well Condition: 0	
Vell Diameter	2 in.	Volume	3/4"= 0.02	1"= 0.04 2"= 0.17 3"= 0.38 5"= 1.02 6"= 1.50 12"= 5.8	
Total Depth	38.40 ft.	Factor (\	/F) 4"= 0.66	5"= 1.02 6"= 1.50 12"= 5.8	<u></u> 1
Depth to Water	37.42ft. xvf	==	x3 (case volume) =	Estimated Purge Volume:	gal.
	^~	,		Time Started:	(2400 hrs)
Purge Equipment:		Sampling Equipmen	nt:	Time Bailed: Depth to Product:	(2400 hrs) ft
Disposable Bailer		Disposable Bailer			
Stainless Steel Bailer		Pressure Bailer		Depth to Water: Hydrocarbon Thickness:	ft
Stack Pump		Discrete Bailer Other:		Visual Confirmation/Description:	
Suction Pump Grundfos		Outon		Skimmer / Absorbant Sock (circl	e one)
Other:	\		·	Amt Removed from Skimmer:	gal
Julei				Amt Removed from Well:	gal
				Product Transferred to:	
		/	,		
Start Time (purge):		Weather Condition			
Sample Time/Date	e: /	/ Water Cold	or:	Odor:	
Purging Flow Rate	e: \gpm.	Sediment Description	n:	/	
Did well de-water?		/es, Time:	Volume: _/	gal.	
			\ /	D.O. ORF	
Time	Volume \ /,	Conductivity	Temperature	D.O. ORF (mg/L) (mV	
(2400 hr.)	(gal.)	(u mhos/cm)	(9 ^X F)	(mg/L/ (•
			/-		 .
· · ·			/		
			- /		
			_ /		
	<u> </u>	<u> </u>	/		
	/		ALTON ATION		
SAMPLE ID	(#) CONTAINER R	LABORATORY II		RY ANALYSES	
SAMPLEID	x voa vial	YES HCL	LANCASTE		٠.
	x amber	YES HCL	LANCASTE	R TPH-Dx w/sg	
	X dillos.				
	 	1 \		<i>y</i>	
			_ 		
		l			
COMMENTS	Theinfilian	at water to	sample	·	
COMMENTS:	Insufficion	nt water to	sample_		



WELL MONITORING/SAMPLING FIELD DATA SHEET

Site Address: 1	ChevronTexaco 1225 N. 45Th St Seattle, WA		Job Number: 3 Event Date: Sampler:	86750 10-27-03 BWN	(incl
Well ID Well Diameter Total Depth Depth to Water	MW - Z 2 in. 41.62 ft. 39.98 ft.	Date Monitored: Volume Factor (3/4"= 0.02 /F) 4"= 0.66	Well Condition: 1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50 timated Purge Volume	3"= 0.38 12"= 5.80
Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Other:	xVI	Sampling Equipme Disposable Bailer Pressure Bailer Discrete Bailer Other:		Time Started: Time Bailed: Depth to Product: Depth to Water: Hydrocarbon Thicknev Visual Confirmation/I Skimmer / Absorban Amt Removed from S Amt Removed from S Product Transferred	(2400 hr (2400 hr (2400 hr (37, 54) (39, 98) ess: 7, 44 Description: tlSock (circle one) Skimmer: 9
Start Time (purge) Sample Time/Dat Purging Flow Rat Did well de-water Time (2400 hr.)	e: / gpm.	Weather Condition Water Cold Sediment Description If yes, Time: Conductivity (umhos/cm)	or:	gal. p.o. (mg/L)	ORP (mV)
Sample Time/Dat Purging Flow Rat Did well de-water	e: / gpm. ?	Sediment Description If yes, Time: Conductivity (umhos/cm)	Or:	gal	ORP
Sample Time/Dat Purging Flow Rat Did well de-water Time (2400 hr.)	e: gpm. ? Volume (gal.)	Sediment Description If yes, Time: PH Conductivity (unhos/cm)	Or:	gal. p.o. (mg/L)	ORP
Sample Time/Dat Purging Flow Rat Did well de-water Time (2400 hr.)	e:	Sediment Description If yes, Time: Conductivity (umhos/cm) LABORATORY II REFRIG. PRESERV: TY	Or:	gal. p.o. (mg/L)	ORP (mV)
Sample Time/Dat Purging Flow Rat Did well de-water Time (2400 hr.)	e: gpm. ? Volume (gal.)	Sediment Description If yes, Time: Conductivity (umhos/cm) LABORATORY II REFRIG. PRESERV: TY	Volume: Temperature (C/F) VFORMATION PE LABORATORY	gal. D.O. (mg/L)	ORP (mV)
Sample Time/Dat Purging Flow Rat Did well de-water Time (2400 hr.)	e: gpm. ? Volume (gal.) (#) CONTAINER x voa vial	Sediment Description If yes, Time: PH Conductivity (umhos/cm) LABORATORY II REFRIG. PRESERV: TY YES HCL	Volume: Temperature (C/F) NFORMATION PE LABORATORY LANCASTER	gal. D.O. (mg/L) ANA TPH-G/BTEX/MTBE	ORP (mV)
Sample Time/Dat Purging Flow Rat Did well de-water Time (2400 hr.)	e: gpm. ? Volume (gal.) (#) CONTAINER x voa vial	Sediment Description If yes, Time: PH Conductivity (umhos/cm) LABORATORY II REFRIG. PRESERV: TY YES HCL	Volume: Temperature (C/F) NFORMATION PE LABORATORY LANCASTER	gal. D.O. (mg/L) ANA TPH-G/BTEX/MTBE	ORP (mV)
Sample Time/Dat Purging Flow Rat Did well de-water Time (2400 hr.)	e: gpm. ? Volume (gal.) (#) CONTAINER x voa vial	Sediment Description If yes, Time: PH Conductivity (umhos/cm) LABORATORY II REFRIG. PRESERV: TY YES HCL	Volume: Temperature (C/F) NFORMATION PE LABORATORY LANCASTER	gal. D.O. (mg/L) ANA TPH-G/BTEX/MTBE	ORP (mV)

39.48



Client/Facility #:	ChevronTexaco	#20933	5	Job Number:	386750	<u> </u>
	1225 N. 45Th St			Event Date:	10-27-03	(inclusiv
-	Seattle, WA			Sampler:	BWN	
Vell ID	MW - 3	Date	Monitored: _\	0127103	Well Condition: 0	
Well Diameter Total Depth Depth to Water	2 in. 41,65 ft. 38.00 ft.		Volume Factor (VF	3/4"= 0.02 4"= 0.66	5"= 1.02 6"= 1.50 12	
e englas dianes establishen et alla en enganation	xVF	<u> </u>	_=	x3 (case volume) =	Estimated Purge Volume:	gal (2400 hrs)
Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Other:		Dispo Pres	pling Equipment osable Bailer sure Bailer rete Bailer rr:		Time Started: Time Bailed: Depth to Product: Depth to Water: Hydrocarbon Thickness: Visual Confirmation/Descr Skimmer / Absorbant Soci	(2400 hrs) ft ft ft ft c(circle one) ner:
Start Time (purge Sample Time/Da	-	Weath	ner Conditions Water Color		7Odor: <u>1</u> /4)
Purging Flow Ra Did well de-wate	ate: gpm.		ent Description e:	: Volume:	gal.	
Time (2400 hr.)	Volume (gal.)	pH /	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
		_		7		
			BORATORY IN	EORMATION		
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYP	E LABORATO		ES
MW - 3	2 x voa vial	YES	HCL	LANCASTE		
MW - 3) x amber	YES	HCL	LANCASTE	R TPH-Dx w/sg	
COMMENTS:	NP					
					:	
Add/Reni	aced Lock:	<u> </u>		Add/Replaced	l Plug: Size:	



.nerureacouty #*	ChevronTexac	o #20933		Job Number:	386750	·
Client/Facility #: Site Address:	1225 N. 45Th			Event Date:	10-27-03	(inclusi
City:	Seattle, WA			Sampler:	BNN	
Vell ID	MW - 4	Date	Monitored:	0127103	Well Condition:	0K
Well Diameter Total Depth	2 in. 41.60 ft.	•	Volume Factor (VF	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	37-90 ft.		<u> </u>		Estimated Purge Volume:	astroni i populati i te se se
	×	VF			Time Started:	(2400 hrs) (2400 hrs)
Purge Equipment:	\	. "	pling Equipment:	1	Time Bailed: Depth to Product:	(2400 fils)
Disposable Bailer		•	osable Bailer	_ 	Depth to Water:	
Stainless Steel Baile	· ——		sure Bailer rete Bailer		Hydrocarbon Thicknes	s; <u>f</u> t
Stack Pump					Visual Confirmation/De	escription:
Suction Pump	-/	Othe	ar		Skimmer / Absorbant	2/1/(six la ana)
Grundfos		•	*		Amt Removed from Sk	kimmer: gal
Other:					Amt Removed from W	
	,				Product Transferred to	
Start Time (purç		Weat	her Conditions:			<u> </u>
Sample Time/D	ate: <u>945 /</u>		Water Color:		Odor: _	<u> </u>
Purging Flow R	ate: gpm.	Sedime	ent Description:		_ 	<u> </u>
Did well de-wat	er?	If yes, Tim	e:	₋ Volume:	gal.	•
Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
		\sum		7	_ -	<u> </u>
- ,		\triangle .	>			
	<u> </u>	<u>(</u>		\		<u> </u>
		<u> </u>		7		
	 	LA	BORATORY INF	ORMATION		
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATOR		YSES
	3 x voa via		HCL	LANCASTE		
12W-4	2_ x ambe	YES	HCL	LANCASTE	R TPH-Dx w/sg	
MW - 4	A drilbe		I			<u>· </u>
MW - 4	Z X Brilloc			_	· .	Į
WM - H	Z Adribe					
WM - H	Z					
MW - 4	Mio					
MW- 4						



Client/Facility #:	ChevronTexaco#	209335	Job Number:	386750	
Site Address:	1225 N. 45Th Stre		Event Date:	10-27-03	(inclusive
City:	Seattle, WA		Sampler:	BWN	
Weil (D	MW -5	Date Monitored:	10/27/03	Well Condition: Poss	ble obstan
Well Diameter Total Depth	2 in. 35 92 ft.	Volume Factor (\	3/4"= 0.02 /F) 4"= 0.66	1"= 0.04 2"= 0.17 3"= 0 5"= 1.02 6"= 1.50 12"=	
Depth to Water	DPY ft.		x3 (case volume) = E	stimated Purge Volume:	gal.
	XVF_			Time Started:	(2400 hrs) (2400 hrs)
Purge Equipment:		Sampling Equipme	nc	Time Bailed: Depth to Product:	
Disposable Bailer	·	Disposable Bailer		Depth to Water:	f
Stainless Steel Baile	r	Pressure Bailer	X 	Hydrocarbon Thickness:	ft
Stack Pump Suction Pump		Discrete Bailer Other:		Visual Confirmation/Descripti	
Grundfos	\	: /		Skimmer / Absorbant Sock (c	ircle one)
Other:				Amt Removed from Skimmer Amt Removed from Well:	: gal gal
		. /	<u>)</u>	Product Transferred to:	g
	\.		/	T Todask Transcript	
Start Time (purg Sample Time/D Purging Flow R Did well de-wat	ate: gpm.	Weather Condition Water Colo Sediment Description yes, Time:	or:	Odor:	
Time (2400 hr.)	Volume (gal.)	Conductivity (u mhos/cm)	Temperature/ (C/F)	~ ~	DRP mV)
					
<u> </u>		$ \overline{}$	/		
``_'			7		·
		LABORATORY I	NFORMATION		
SAMPLE ID	(#) CONTAINER	REFRIG. PRESERV. TX			 _
-	x voa vial	YES HC/L	LANCASTER		 '
-	x amber	YES HCL	LANCASTER	TPH-Dx w/sg	
					 -
			- 		
COMMENTS:	Passible of	struction in	well		<u> </u>
	<u> </u>				
Add/Rep	laced Lock:		Add/Replaced	Plug:Size:	

Chevron Northwest Region Analysis Request/Chain of Custody



Acct. #: 1200 | For Lapcaster Laboratories use only | Scr. #: 872120

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SS#20	9335 G-R#386	750			<u> </u>	•	N	latrix			_			rese			Cod	es		_			ative Code	
Site Address:	. 45th Street, S	SEATTLE		CAICL D	÷	- -		· 		£			H	H		Almada Maria						H = HC1 N = HNO3 S = H ₂ SO4	T = Thios B = NaOl O = Other	1
Chevron PM: BH	D Inc. 6747 S	Lead (Consultant:	Dublin Ce	045	- 8		န္ တူ	. Sie	☐ 8260 ☐ Naphth			1708	9		1 1 1	8					☐ J value repor		
Consultant/Office: G	FR, Inc., 6747 S	Siena Co	uit, Suite 3,	Dubilit, Ca.				☐ Potable ☐ NPDES	iai	18		1	8	D Extended Phy.	etto		□ quantification		•			☐ Must meet lo possible for 8	west detection	on limits unds
Consultant Prj. Mgr.		ing (de				-	ľ		වි				BTEX	8 8 8 8		ļ.	quant			•		8021 MTBE Co		
Consultant Phone #5	25-551-7555		_ Fax #:	925-551-7	899]	-		ورا	8021		88	2		93.	1			٠.			☐ Confirm MTE		alene
Sampler: Ben	Newton		<u>.</u> .	· · ·		Ē	ļ	٠.	Ar Ar	岩	ļ	Oxygenates	5	٩			물					Confirm high		60
Service Order #:		No	n SAR:			စ္တို		. Б	Y Z	<u> </u>	돌	ð	TPHG	OHAL.	10g	ᇤ	NWTPH H HCID		•	!		☐ Confirm all h ☐ Run ox		st hit
Sample identification	1		Date Collected	Time Collected	Grab	Composite	8	Water	Oil	BTEX + MTBE	8260 fuit scan		×	X	pear	VPHÆPH	N.	,					y s on all hit	
6A	•		10-27-03	<u> </u>	X			X	2			Γ.	X		[·							Comments /	Remarks	
MW 3			1	915	X			X	_ 5		<u> </u> :		X	X		٠,				_				1
_ MW 4	<u> </u>	·	+	945	X			X	1	<u>5</u>	↓_	Ļ.	X		ļ		Ш		· ·	<u> </u>	_		•	
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Turnaround Time R				Relingu		by: ~	Na	wto	n	•		رز	Date 7-28	1 .	Time		Rece	Devi	by:			• .	Date	Time
24 hour	72 hour 4 day	48 hour 5 day	•	Relinqu	_				\	_			Date	'	Time	•	Rece	ived I	by:				Date	Time
Data Package Option	ons (please circle if	required)	······································	Relinqu	ılshed	by:			•			4	Date	3	Time	•	Rece	lved i	by:				Date	Time
QC Summary	Type I - Full			Relinqu	ished	bu c	omn	nemie	Carrie]		i_		+	Rece	ived!	hv				Data	Time
Type VI (Raw Data) WIP (RWQCB)	Disk / EDD Standard Form	at	••	UPS	1	Fed		\sum_{i}	Othe		·			<u> </u>		ľ				۱۱	ሲ!	nkley	Date 10-39-	0915
Disk	· · · · · · · · · · · · · · · · · · ·	Other.	,	Tempe	rature	Upo	n Re	ceipt	4.5.	a.	,C°	<u></u>	•			+	Cust	ody S	<i>لجد</i> Seals		14? 14?	(Yes) No		010
<u> </u>			_	<u> </u>							<u></u> `												<u> </u>	



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:

GETTLER RYAM INC

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

SAMPLE GROUP

The sample group for this submittal is 872720. Samples arrived at the laboratory on Wednesday, October 29, 2003. The PO# for this group is 99011184 and the release number is HUNTER.

Client Description

QA Water Sample

MW 3 Grab Water Sample

MW 3 Grab Water Sample MW 4 Grab Water Sample Lancaster Labs Number

4153271 4153272

4153273

ELECTRONIC

Gettler Ryan

COPY TO

1 COPY TO SAIC

Attn: Michael Sharaeff

Attn: Ms. Deanna Harding

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

Respectfully Submitted,

Valerie Tomayko Senior Chemist



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Page 1 of 1

Lancaster Laboratories Sample No. WW 4153271

Submitted: 10/29/2003 09:15 Reported: 11/11/2003 at 12:34

Discard: 12/12/2003

Account Number: 11260

ChevronTexaco

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

				As Received		5 13
CAT	•	• • •	As Received	Method	. 1	Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	· Units	Factor
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
	A site-specific MSD sample was	not submitted :	for the project.	A LCS/LCSD		
	was performed to demonstrate pr	recision and acc	curacy at a batc	h level.	•	•
082,74	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters A site-specific MSD sample was was performed to demonstrate pr				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
08213	BTEX (8021)	SW-846 8021B	1	10/31/2003 06:17	Martha L Seidel .	1
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	10/31/2003 06:17	Martha L Seidel	1.
01146	GC VOA Water Prep	SW-846 5030B	1 .	10/31/2003 06:17	Martha L Seidel	n.a.



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Page 1 of 1

Lancaster Laboratories Sample No. WW 4153272

MW 3 Grab Water Sample Facility# 209335 Job# 386750 1225 N. 45th Street; Seattle, WA Collected:10/27/2003 09:15 by BI

Account Number: 11260

Submitted: 10/29/2003 09:15 Reported: 11/11/2003 at 12:34 ChevronTexaco 6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

Discard: 12/12/2003

N45-3

ds 11		1		As Received	grider for the strip	Jana Harata ta ta ita	
CAT		•	As Received	Method		Diluti	ion
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor	r ·
	•	•	·				
02211	TPH by NWTPH-Dx(water) w/SiGel	*		•			
			N.D.	250.	ug/l	· · · · · · · · · · · · · · · · · · ·	
02095	Diesel Range Organics	n.a.		250.	ug/l	1	
02096	Heavy Range Organics	n.a.	N.D.	250.	ug, -	- .	
08213	BTEX (8021)						
,,,,,,,	(00-2)	•			•	•.	
00776	Benzene	71-43-2	N.D.	0.5	ug/l	, 1	
00777	Toluene	108-88-3	N.D.	0.5	_ug/1	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	
00773	A site-specific MSD sample was	not submitted	for the project	. A LCS/LCSD	•		
	was performed to demonstrate p	recision and a	ccuracy at a bat	ch level.			
		4					
08274	TPH by NWTPH-Gx waters					•	•
		n.a.	N.D.	50.	ug/l	1	
01648	TPH by NWTPH-Gx waters				,	•	
,	A site-specific MSD sample was	not submitted	-command at a had	ch level	•		, ,
	was performed to demonstrate p	recision and a	CCULACY AL A DA	LUII ACTUAL			

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)	NWTPH-Dx, ECY 97-	1	11/01/2003 12:53	Devin M Hetrick	. 1
08213 08274	w/siGel BTEX (8021) TPH by NWTPH-Gx waters	602 (modified) SW-846 8021B TPH by NWTPH-Gx -	1 · 1	10/31/2003 14:24 10/31/2003 14:24	Martha L Seidel Martha L Seidel	1 1
01146 07003	GC VOA Water Prep Extraction - DRO (Waters)	8015B Mod. SW-846 5030B NWTPH-Dx, ECY 97-602, 6/97	1	10/31/2003 14:24 10/31/2003 02:55	Martha L Seidel Deborah A Stasiak- Birkenbine	n.a. 1



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Page 1 of 1

Lancaster Laboratories Sample No. WW 4153273

MW 4 Grab Water Sample Facility# 209335 Job# 386750 1225 N. 45th Street; Seattle, WA Collected:10/27/2003 09:45 by

Submitted: 10/29/2003 09:15 Reported: 11/11/2003 at 12:34

Discard: 12/12/2003

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Account Number: 11260

ChevronTexaco

6001 Bollinger Canyon Road

L4310 .

San Ramon CA 94583

N4	5	_	4

			•	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. #	400.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D. #	500.	ug/l	1
	Due to the nature of the sample	matrix, a red	uced aliquot was	used	•	•
	for analysis. The reporting lim				,	•
08213	BTEX (8021)					
00776	Benzene	71-43-2	16.	0.5	ug/l	1
00777	Toluene	108-88-3	55.	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
•	A site-specific MSD sample was a	not submitted	for the project.	A LCS/LCSD	•.	
	was performed to demonstrate pro					
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	2,200.	50.	ug/l	1
•	A site-specific MSD sample was was performed to demonstrate pr				• •	•

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)	ļ.	11/01/2003 13:17	Devin M Hetrick	1 .
08213	BTEX (8021)	SW-846 8021B	1	10/31/2003 14:59	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	10/31/2003 14:59	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/31/2003 14:59	Martha L Seidel	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602, 6/97	1	10/31/2003 02:55	Deborah A Stasiak- Birkenbine	1 .



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Quality Control Summary

Client Name: ChevronTexaco

Group Number: 872720

Reported: 11/11/03 at 12:34 PM

Laboratory Compliance Quality Control

Analysis Name		Blank <u>Result</u>	Blank MDL	Report <u>Units</u>	LCS <u>%REC</u>	LCSD <u>%REC</u>	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 033030012A Diesel Range Organics Heavy Range Organics		Sample N.D. N.D.	number(s): 250. 250.	4153272-41 ug/1 ug/1	.53273 66		46-112		
Batch number: 03303A56A 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 1.5	4153271-41 ug/1 ug/1 ug/1 ug/1 ug/1	53273 115 115 114 116 90	116 115 114 116 91	75-134 82-119 81-119 82-120 70-130	1 0 0 0 0	30 30 30 30 30

Sample Matrix Quality Control

	MS ·	MSD	ms/msd	RPD	BKG	DUP	DOP	RPD
Analysis Name	%REC	%REC	Limits	RPD MAX	Conc	Conc	RPD	<u>Max</u>
Batch number: 033030012A Diesel Range Organics Heavy Range Organics	Sample	number	(s): 41532	72-4153273	N.D. N.D.	N.D.	0 (1) 0 (1)	20 20

Sample number(s): 4153271-4153273 Batch number: 03303A56A 67-136 78-129 Benzene 112 Toluene 111 75-133 Ethylbenzene 115 78-130 Total Xylenes 112 TPH by NWTPH-Gx waters 103 63-154

Surrogate Quality Control

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

Batch number: 033030012A Orthoterphenyl

4153272	86	
4153273	90	
Blank	92	
LCS	82	

Limits: 50-150

	Name: BTEX (8021) ber: 03303A56A Trifluorotoluene-P	Trifluorotoluene-F			
4153271	101	84			
4153272	100	92			
4153273	103	93			
	97	91			
Blank LCS	101	85			

*- 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

Group Number: 872720

Client Name: ChevronTexaco Reported: 11/11/03 at 12:34 PM

Surrogate Quality Control

LCSD

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:

TNTC Too Numerous To Count IU International Units umhos/cm C degrees Celsius meq milliequivalents g gram(s) ug microgram(s) ml milliliter(s) m3 cubic meter(s)	BMQL MPN CP Units NTU F Ib. kg mg I	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 falls within the Method Detection Limit (MDL) and 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		morganic Quanners
A B C D	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	B E M N	Value is <crdl, but="" control="" due="" duplicate="" estimated="" injection="" interference="" limits<="" met="" not="" precision="" sample="" spike="" th="" to="" within="" ≥idl=""></crdl,>
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
Р	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
',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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