

PACIFIC
ENVIRONMENTAL
GROUP, INC.



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Date: August 29, 1997
Project: 520-083.2B

To: Mr. Ben Forson
Department of Ecology
3190 - 160th Avenue SE
Bellevue, WA 98008-5452

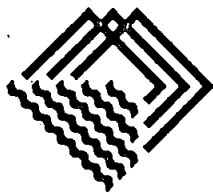
We have enclosed:

Copies	Description
<u>1</u>	<u>Annual Monitoring and Sampling Activities</u>
	<u>Chevron Service Station No. 9-4511</u>
	<u>617 NW Richmond Beach Road</u>
	<u>Seattle, Washington</u>

For your: ☐ Use
☐ Approval
☐ Review
☒ Information

Comments: _____


John Blough



PACIFIC
ENVIRONMENTAL
GROUP, INC.

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SEP 03 1997

DEPT. OF ECOLOGY

August 29, 1997
Project 520-083.2B

Mr. Dan Barnat
Chevron U.S.A. Products Company
P.O. Box 5004
San Ramon, California 94583-0804

Re: Annual Monitoring and Sampling Activities
Chevron Service Station No. 9-4511
617 NW Richmond Beach Road
Seattle, Washington

Dear Mr. Barnat:

Pacific Environmental Group Inc. (PACIFIC) conducted the annual groundwater monitoring and sampling event on June 3, 1997 at the site referenced above. Eight groundwater monitoring wells were gauged to determine the depth to groundwater and to check for the presence of separate-phase hydrocarbons (SPH). There were no SPH observed in any of the wells.

A site location map is included as Figure 1. A groundwater elevation contour map providing TPH-gasoline/benzene concentrations is presented as Figure 2. Groundwater elevations and analytical results are presented in Table 1.

Groundwater monitoring and sample collection protocol and field data sheets are presented in Attachment A. In accordance with Chevron's sampling program, seven groundwater samples were analyzed for the following parameters:

- Total petroleum hydrocarbons calculated as gasoline (TPH-gasoline) by Washington Method WTPH-G;
- TPH-diesel and oil by Washington Method WTPH-D plus Extended;
and

- Benzene, toluene, ethylbenzene, and xylene compounds (BTEX) by EPA Method 8020.

Laboratory reports and chain-of-custody records are included in Attachment B.

Purge water was treated on-site by filtering the water through granular activated carbon and was subsequently discharged.

PACIFIC is pleased to assist Chevron on this project. If you have any questions, please call.

Sincerely,

Pacific Environmental Group, Inc.



John. J. Blough
Field Services Manager

Attachments: Table 1 - Groundwater Elevations and Analytical Results
Figure 1 - Site Location Map
Figure 2 - Site Map
Attachment A - Groundwater Monitoring and Sample Collection Protocol
Field Data Sheets
Attachment B - Laboratory Analytical Results
Chain-of-Custody Documentation

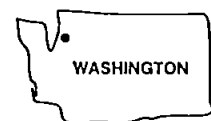
cc: Mr. Ben Forson, Department of Ecology



REFERENCE:

USGS 7.5 MIN. TOPOGRAPHIC MAP
 TITLED: Edmonds West, Washington
 DATED: 1953 PHOTOREVISED: 1981
 TITLED: Edmonds East, Washington
 DATED: 1953 PHOTOREVISED: 1981
 COUNTY: King

SCALE: 1 to 24,000 (1 Inch = Approximately 2000 Feet)



QUADRANGLE
LOCATION



PACIFIC
ENVIRONMENTAL
GROUP, INC.

CHEVRON SERVICE STATION 9-4511
 617 Northwest Richmond Beach Road
 Seattle, Washington

SITE LOCATION MAP

FIGURE:
1
PROJECT:
 520-083.2B



Richmond Beach Road

INFERRED DIRECTION OF
GROUNDWATER MIGRATION

LEGEND

MW-1 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION

92.0 — GROUNDWATER ELEVATION CONTOUR IN FEET, ARBITRARY SITE DATUM, 6/3/97

(90.87) GROUNDWATER ELEVATION IN FEET, ARBITRARY SITE DATUM

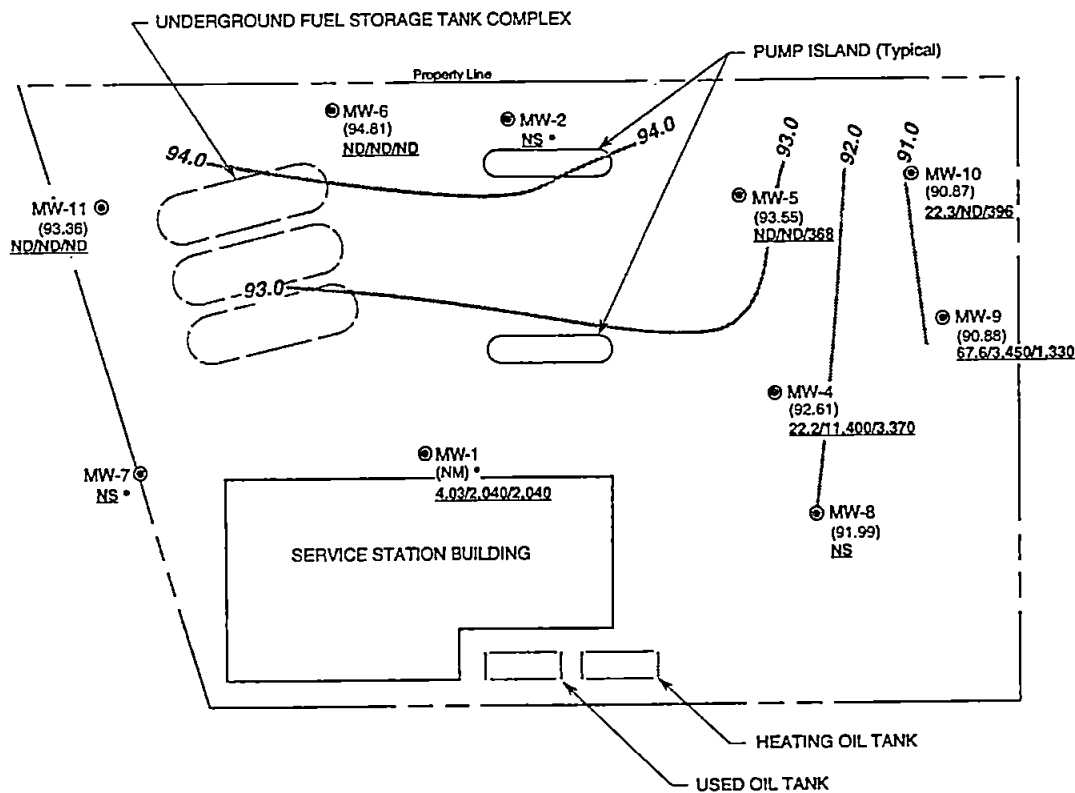
(NM) * GROUNDWATER ELEVATION NOT USED IN CONTOURING, WELL CASING IS BROKEN AND NEEDS TO BE RESURVEYED

4.03/2.04/2.040 BENZENE / TPH-GASOLINE / TPH-DIESEL CONCENTRATION IN GROUNDWATER, IN PARTS PER BILLION, 6/3/97

ND NOT DETECTED

NS NOT SAMPLED, WELL IS NOT INCLUDED IN SAMPLING PROGRAM

NS * NOT SAMPLED, WELL DAMAGED

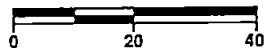


NOTE: Base Map Provided by AGI TECHNOLOGIES, INC.



PACIFIC
ENVIRONMENTAL
GROUP, INC.

SCALE IN FEET



CHEVRON SERVICE STATION #9-4511
617 Northwest Richmond Beach Road
Seattle, Washington

SITE MAP

FIGURE:
2
PROJECT:
520-083.2B

TABLE 1
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS

Chevron Service Station 9-4511
 617 N.W. Richmond Beach Road
 Seattle, Washington

Sample I.D. TOC	Sample Date	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Xylenes (ppb)	TPH- Gasoline (ppb)	TPH- Diesel (ppb)	TPH-Oil (ppb)	TPH- 418.1 (ppb)	Total Lead (ppb)	DTW (feet)	SPH (feet)	WTE (feet)
MW-1	01/03/91	24	64	67	580	202,000	ND *	56,000	166,000	--	--	--	93.18
98.13	05/15/91	--	--	--	--	--	-- *	--	--	--	--	--	93.13
	05/22/92	--	--	--	--	--	--	--	--	--	--	--	93.38
	02/23/93	26	15	51	410	6,800	ND	--	77,000	--	4.75	--	93.38
	05/14/93	10.2	2	4	286	6,770	--	--	110,000	--	4.11	--	94.02
	08/04/93	17.2	17	16	221	6,780	--	--	280,000	--	4.65	--	93.48
	11/11/93	10.1	16	50	347	7,930	29	65	1,490,000	--	6.00	0.02	92.15
	02/14/94	27.8	10	61	423	9,680	20,000	39,300	--	--	5.36	--	92.77
	05/23/94	32.4	9	71	399	7,790	17,400	34,300	--	--	4.90	0.01	93.24
	08/08/94	--	--	--	--	--	--	--	--	--	5.65	0.06	92.53
	11/29/94	25.3	20	50	313	6,400	11,800	5,890	--	--	5.22	--	92.91
Dilution	02/07/95	21	11	41	200	5,600	17,000	31,000	--	ND	4.58	--	93.55
Dilution	05/19/95	22	1.4	50	220	4,700	10,000	180,000	--	4.4	4.35	--	93.78
	12/22/95	--	--	--	--	--	--	--	--	--	2.89	--	95.24
	06/26/96	--	--	--	--	--	--	--	--	--	3.00	--	95.13
	06/03/97	4.03	ND	3.49	33.7	2,040	2,040	ND	--	--	3.00	--	95.13

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Sample I.D. TOC	Sample Date	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Xylenes (ppb)	TPH- Gasoline (ppb)	TPH- Diesel (ppb)	TPH-Oil (ppb)	TPH- 418.1 (ppb)	Total Lead (ppb)	DTW (feet)	SPH (feet)	WTE (feet)
MW-2	01/03/91	240	4,400	2,080	16,400	44,400	ND *	4,190	7,000	--	--	--	91.53
97.53	05/15/91	401	2,510	1,370	8,660	47,000	ND *	ND	9,000	--	--	--	92.36
	05/22/92	280	260	500	4,100	33,000	--	--	--	--	--	--	91.82
	02/23/93	--	--	--	--	--	--	--	--	--	--	--	--
	05/14/93	--	--	--	--	--	--	--	--	--	--	--	--
	08/04/93	49.8	28	145	739	4,790	--	--	900	--	6.39	--	91.14
	11/11/93	81	ND	38	25	480	--	--	ND	--	8.80	--	88.73
	02/14/94	152	ND	63	85	1,190	420	900	--	--	7.55	--	89.98
	05/23/94	224	3	248	332	5,890	1,080	ND	--	--	7.67	--	89.86
	08/08/94	65.0	ND	8	ND	90	280	ND	--	--	8.85	--	88.68
	11/29/94	339	1,300	232	1,510	12,500	1,290	1,510	--	--	7.10	--	90.43
	02/07/95	--	--	--	--	--	--	--	--	--	7.67	--	89.86
	05/19/95	--	--	--	--	--	--	--	--	--	--	--	--
	12/22/95	--	--	--	--	--	--	--	--	--	--	--	--
	06/26/96	--	--	--	--	--	--	--	--	--	--	--	--
	06/03/97	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
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Chevron Service Station 9-4511
617 N.W. Richmond Beach Road
Seattle, Washington

Sample I.D. TOC	Sample Date	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Xylenes (ppb)	TPH- Gasoline (ppb)	TPH- Diesel (ppb)	TPH-Oil (ppb)	TPH- 418.1 (ppb)	Total Lead (ppb)	DTW (feet)	SPH (feet)	WTE (feet)
MW-4	01/03/91	--	--	--	--	46,700	ND *	ND	--	--	--	--	91.33
97.99	05/15/91	535	59	293	1,340	11,000	ND *	ND	22,000	--	--	--	90.68
	05/22/92	--	--	--	--	--	--	--	--	--	--	--	90.65
	02/23/93	--	--	--	--	--	--	--	--	--	6.95	0.05	91.08
	05/14/93	89.8	9	63	1,020	25,000	--	--	290,000	--	6.27	--	91.72
	08/04/93	147	22	152	2,090	17,800	--	--	1,400,000	--	7.18	--	90.81
	11/11/93	70.5	7	98	720	12,500	ND	ND	2,270,000	--	8.96	0.10	89.11
	02/14/94	79.5	7	78	704	12,700	16,700	20,100	--	--	7.65	--	90.34
	05/23/94	--	--	--	--	--	--	--	--	--	7.21	0.15	90.90
	08/08/94	--	--	--	--	--	--	--	--	--	8.74	0.28	89.47
	11/29/94	41.7	25	228	1,710	14,000	123,000	183,000	--	--	8.40	--	89.59
Dilution	02/07/95	73	11	92	850	42,000	13,000	10,000	--	56	7.04	--	90.95
Dilution	05/19/95	110	9.9	73	690	15,000	2,800	7,000	--	24	6.17	--	91.82
	12/22/95	42	34	490	1,700	12,000,000	46,000	66,000	--	39	4.00	--	93.99
	06/26/96	--	--	--	--	--	--	--	--	--	5.88	Sheen	92.11
	06/03/97	22.2	3.41	22.2	292	11,400	3,370	818	--	--	5.38	--	92.61

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GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS

Chevron Service Station 9-4511
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Seattle, Washington

Sample I.D. TOC	Sample Date	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Xylenes (ppb)	TPH- Gasoline (ppb)	TPH- Diesel (ppb)	TPH-Oil (ppb)	TPH- 418.1 (ppb)	Total Lead (ppb)	DTW (feet)	SPH (feet)	WTE (feet)
MW-5	01/03/91	1,100	1,740	1,990	13,300	35,000	ND *	5,520	6,000	--	--	--	91.69
97.90	05/15/91	787	309	1,540	6,020	25,000	ND *	ND	7,000	--	--	--	91.48
	05/22/92	600	86	1,300	5,400	38,000	--	--	--	--	--	--	91.64
	02/23/93	183	35	368	1,810	8,870	--	--	2,100	--	6.18	--	91.72
	05/14/93	45.6	2	3	981	5,690	--	--	2,700	--	6.00	--	91.90
	08/04/93	559	75	1,120	3,260	17,900	--	--	3,500	--	6.99	--	90.91
	11/11/93	718	99	1,680	5,800	35,000	0.5	ND	6,400	--	7.64	--	90.26
	02/14/94	255	42	754	1,790	17,100	920	1,350	--	--	6.92	--	90.98
	05/23/94	284	62	924	1,740	14,600	2,120	970	--	--	6.56	--	91.34
	08/08/94	426	119	1,550	3,490	20,800	1,750	770	--	--	7.75	--	90.15
	11/29/94	17.5	2	49	39	470	2,980	13,200	--	--	6.84	--	91.06
	02/07/95	12	2.1	25	18	380	150	700	--	ND	6.76	--	91.14
	05/19/95	54	4.3	ND	ND	1,100	1,300	2,400	--	4.0	6.13	--	91.77
	12/22/95	32	7.0	190	150	1,900	1,000	1,700	--	17	3.47	--	94.43
	06/26/96	11.8	ND	49.8	85.8	674	718	863	--	--	5.56	--	92.34
	06/03/97	ND	ND	ND	ND	ND	368	ND	--	--	4.35	--	93.55

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Sample I.D. TOC	Sample Date	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Xylenes (ppb)	TPH- Gasoline (ppb)	TPH- Diesel (ppb)	TPH-Oil (ppb)	TPH- 418.1 (ppb)	Total Lead (ppb)	DTW (feet)	SPH (feet)	WTE (feet)
MW-6	01/03/91	439	73	35	1,970	7,040	ND *	1,500	ND	--	--	--	93.06
97.51	05/15/91	498	27	417	1,340	8,000	ND *	ND	2,000	--	--	--	93.12
	05/22/92	580	30	570	1,700	15,000	--	--	--	--	--	--	93.41
	02/23/93	202	7	134	177	2,570	--	--	ND	--	3.70	--	93.81
	05/14/93	230	9	177	128	2,040	--	--	900	--	4.62	--	92.89
	08/04/93	240	8	238	103	2,400	--	--	800	--	3.99	--	93.52
	11/11/93	114	14	289	493	4,910	ND	ND	1,200	--	4.96	--	92.55
	02/14/94	232	7	144	146	2,630	370	ND	--	--	4.80	--	92.71
	05/23/94	260	8	204	144	2,460	2,310	ND	--	--	4.32	--	93.19
	08/08/94	345	14	393	459	4,590	1,720	ND	--	--	5.05	--	92.46
	11/29/94	35.1	ND	23	7	360	840	ND	--	--	4.44	--	93.07
	02/07/95	27	1.0	19	16	270	370	660	--	ND	4.34	--	93.17
	05/19/95	96	2.3	74	21	790	2,000	ND	--	11	3.95	--	93.56
	12/22/95	190	6.7	120	7.1	1,600	2,400	ND	--	16	3.00	--	94.51
	06/26/96	26.5	ND	7.31	ND	95.8	770	ND	--	--	3.36	--	94.15
	06/03/97	ND	ND	ND	ND	ND	ND	ND	--	--	2.70	--	94.81

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Sample I.D. TOC	Sample Date	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Xylenes (ppb)	TPH- Gasoline (ppb)	TPH- Diesel (ppb)	TPH-Oil (ppb)	TPH- 418.1 (ppb)	Total Lead (ppb)	DTW (feet)	SPH (feet)	WTE (feet)
MW-7	01/03/91	4	ND	ND	1	ND	370 *	2,240	ND	--	--	--	93.05
97.87	05/15/91	1	ND	ND	ND	ND	ND *	ND	ND	--	--	--	93.02
	05/22/92	1	ND	ND	ND	ND	--	--	--	--	--	--	93.09
	02/23/93	--	--	--	--	--	--	--	ND	--	4.20	--	93.67
	05/14/93	--	--	--	--	--	--	--	600	--	4.35	--	93.52
	08/04/93	ND	ND	ND	1	90	--	--	1,200	--	4.38	--	93.49
	11/11/93	--	--	--	--	--	--	--	ND	--	5.51	--	92.36
	02/14/94	ND	ND	2	4	60	ND	ND	--	--	5.05	--	92.82
	05/23/94	ND	ND	ND	ND	ND	ND	ND	--	--	4.71	--	93.16
	08/08/94	ND	ND	ND	ND	ND	ND	ND	--	--	4.94	--	92.93
	11/29/94	ND	ND	ND	ND	ND	ND	ND	--	--	4.84	--	93.03
	02/07/95	ND	ND	ND	ND	ND	170	200	--	ND	4.55	--	93.32
	05/19/95	--	--	--	--	--	--	--	--	--	4.17	--	93.70
	12/22/95	ND	ND	ND	ND	ND	ND	ND	--	ND	3.91	--	93.96
	06/26/96	--	--	--	--	--	--	--	--	--	--	--	--
	06/03/97	--	--	--	--	--	--	--	--	--	--	--	--

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Chevron Service Station 9-4511
617 N.W. Richmond Beach Road
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Sample I.D. TOC	Sample Date	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Xylenes (ppb)	TPH- Gasoline (ppb)	TPH- Diesel (ppb)	TPH-Oil (ppb)	TPH- 418.1 (ppb)	Total Lead (ppb)	DTW (feet)	SPH (feet)	WTE (feet)
MW-8	01/03/91	ND	ND	ND	ND	ND	ND *	2,900	ND	--	--	--	90.81
98.24	05/15/91	ND	ND	ND	ND	ND	ND *	ND	ND	--	--	--	90.03
	05/22/92	ND	ND	ND	ND	ND	--	--	--	--	--	--	89.84
	02/23/93	--	--	--	--	--	--	--	ND	--	8.00	--	90.24
	05/14/93	--	--	--	--	--	--	--	ND	--	6.85	--	91.39
	08/04/93	ND	ND	ND	1	ND	--	--	ND	--	8.19	--	90.05
	11/11/93	--	--	--	--	--	--	--	ND	--	9.85	--	88.39
	02/14/94	ND	ND	ND	ND	ND	ND	ND	--	--	8.50	--	89.74
	05/23/94	ND	ND	ND	ND	ND	ND	ND	--	--	7.95	--	90.29
	08/08/94	ND	ND	ND	ND	ND	ND	ND	--	--	9.50	--	88.74
	11/29/94	ND	ND	ND	ND	ND	ND	ND	--	--	9.40	--	88.84
	02/07/95	ND	ND	ND	ND	ND	140	ND	--	ND	7.63	--	90.61
	05/19/95	--	--	--	--	--	--	--	--	--	7.12	--	91.12
	12/22/95	ND	ND	ND	ND	ND	ND	ND	--	4.9	5.84	--	92.40
	06/26/96	--	--	--	--	--	--	--	--	--	6.86	--	91.38
	06/03/97	--	--	--	--	--	--	--	--	--	6.25	--	91.99

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GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS

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Sample I.D. TOC	Sample Date	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Xylenes (ppb)	TPH- Gasoline (ppb)	TPH- Diesel (ppb)	TPH-Oil (ppb)	TPH- 418.1 (ppb)	Total Lead (ppb)	DTW (feet)	SPH (feet)	WTE (feet)
MW-9	01/03/91	3,350	134	2,170	6,480	21,500	ND *	ND	5,000	--	--	--	90.06
97.72	05/15/91	1,740	100	1,920	5,350	34,000	ND *	ND	9,000	--	--	--	89.25
	05/22/92	2,300	120	2,700	5,600	61,000	--	--	--	--	--	--	89.06
	02/23/93	1,750	72	1,980	4,100	34,000	--	--	--	--	8.10	--	89.62
	05/14/93	1,360	85	737	4,300	34,000	--	--	--	--	7.43	--	90.29
	08/04/93	2,070	120	2,700	6,900	47,000	--	--	--	--	8.31	--	89.41
	11/11/93	1,650	92	2,430	4,850	48,300	--	--	--	--	9.92	--	87.80
	02/14/94	1,660	62	2,380	4,540	32,000	2,960	ND	--	--	8.75	--	88.97
	05/23/94	515	17	746	1,370	16,900	6,760	840	--	--	8.37	--	89.35
	08/08/94	1,400	49	1,730	3,640	30,000	3,370	ND	--	--	10.00	--	87.72
	11/29/94	274	10	211	452	4,040	5,990	860	--	--	9.81	--	87.91
Dilution	02/07/95	880	75	1,100	2,400	24,000	5,400	600	--	ND	8.08	--	89.64
	05/19/95	820	42	1,300	2,200	25,000	4,600	850	--	4.6	7.65	--	90.07
	12/22/95	450	40	1,200	2,400	25,000	2,800	ND	--	7.2	5.75	--	91.97
	06/26/96	807	60.0	1,880	3,850	34,100	3,590	ND	--	--	7.13	--	90.59
	06/03/97	67.6	ND	128	178	3,450	1,330	ND	--	--	6.84	--	90.88

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GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS

Chevron Service Station 9-4511
617 N.W. Richmond Beach Road
Seattle, Washington

Sample I.D. TOC	Sample Date	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Xylenes (ppb)	TPH- Gasoline (ppb)	TPH- Diesel (ppb)	TPH-Oil (ppb)	TPH- 418.1 (ppb)	Total Lead (ppb)	DTW (feet)	SPH (feet)	WTE (feet)
MW-10	01/03/91	17	2	40	60	140	ND *	ND	ND	--	--	--	90.07
97.78	05/15/91	96	12	118	454	2,000	ND *	ND	ND	--	--	--	89.37
	05/22/92	83	6	250	190	3,000	--	--	--	--	--	--	88.99
	02/23/93	5.9	ND	20	21	265	--	--	--	--	8.30	--	89.48
	05/14/93	7.6	ND	11	9	110	--	--	--	--	7.50	--	90.28
	08/04/93	18.3	2	30	35	620	--	--	--	--	8.39	--	89.39
	11/11/93	156	10	443	397	4,590	--	--	--	--	10.31	--	87.47
	02/14/94	104	7	326	600	6,220	610	ND	--	--	9.07	--	88.71
	05/23/94	6.5	ND	17	5	140	ND	ND	--	--	8.42	--	89.36
	08/08/94	127	7	402	291	3,320	540	ND	--	--	10.50	--	87.28
	11/29/94	19.2	ND	52	12	260	780	ND	--	--	10.39	--	87.39
	02/07/95	ND	ND	ND	ND	ND	120	300	--	ND	8.10	--	89.68
	05/19/95	9.0	ND	0.84	4.5	240	1,600	ND	--	63	7.80	--	89.98
	12/22/95	1.6	0.91	1.9	32	120	330	820	--	ND	5.82	--	91.96
	06/26/96	21.2	ND	16.2	26.1	231	341	ND	--	ND	7.21	--	90.57
	06/03/97	22.3	ND	3.20	3.75	ND	396	ND	--	--	6.91	--	90.87

TABLE 1
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS

Chevron Service Station 9-4511
617 N.W. Richmond Beach Road
Seattle, Washington

Sample I.D. TOC	Sample Date	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Xylenes (ppb)	TPH- Gasoline (ppb)	TPH- Diesel (ppb)	TPH-Oil (ppb)	TPH- 418.1 (ppb)	Total Lead (ppb)	DTW (feet)	SPH (feet)	WTE (feet)
MW-11	01/03/91	353	30	331	1,520	10,100	ND *	ND	ND	--	--	--	92.01
97.16	05/15/91	513	15	355	679	8,000	ND *	ND	2,000	--	--	--	91.90
	05/22/92	330	7	140	200	5,200	-- *	--	--	--	--	--	92.07
	02/23/93	212	7	102	169	3,850	--	--	--	--	4.72	--	92.44
	05/14/93	124	4	51	61	1,760	--	--	--	--	4.50	--	92.66
	08/04/93	58.9	1	25	28	980	--	--	--	--	4.94	--	92.22
	11/11/93	39	2	40	61	2,280	--	--	--	--	5.62	--	91.54
	02/14/94	36.4	2	21	31	1,610	1,450	ND	--	--	5.40	--	91.76
	05/23/94	36.3	2	24	26	2,180	3,900	1,400	--	--	5.09	--	92.07
	08/08/94	104	2	23	35	1,350	2,820	ND	--	--	5.60	--	91.56
	11/29/94	26.4	ND	1	2	240	2,830	1,380	--	--	5.03	--	92.13
	02/07/95	18	0.8	1.6	4.3	350	1,600	470	--	ND	4.94	--	92.22
	05/19/95	20	0.64	2.7	2.3	540	3,000	1,300	--	ND	4.77	--	92.39
	12/22/95	22	0.84	2.7	ND	470	2,300	1,500	--	16	3.93	--	93.23
	06/26/96	0.745	ND	ND	ND	ND	464	ND	--	16	3.96	--	93.20
	06/03/97	ND	ND	ND	ND	ND	ND	ND	--	--	3.80	--	93.36

TABLE 1
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS

Chevron Service Station 9-4511
 617 N.W. Richmond Beach Road
 Seattle, Washington

Sample I.D. TOC	Sample Date	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Xylenes (ppb)	TPH- Gasoline (ppb)	TPH- Diesel (ppb)	TPH-Oil (ppb)	TPH- 418.1 (ppb)	Total Lead (ppb)	DTW (feet)	SPH (feet)	WTE (feet)
Trip Blank	06/03/97	ND	ND	ND	ND	ND	--	--	--	--			
MTCA Method A Cleanup Levels:		5	40	30	20	1,000	1,000	1,000	5	5			
Laboratory Reporting Limits:		0.5	2.50	0.5	1.0	50	250	750	500	2.0			
ppb - Parts per billion TOC = Top of casing and groundwater elevations expressed as feet relative to an arbitrary datum DTW = Depth to water SPH = Separate-phase hydrocarbon thickness NM - Not measured WTE = Water table elevation ND = Not detected at the laboratory reporting limits -- = Not sampled, not measured, or not analyzed * = Analysis by TPH-3510/8015 Dilution = Sample was diluted, higher detection limits Water table elevation corrected for separate-phase hydrocarbons TPH as Gasoline - Analysis by Washington Method WTPH-G TPH as Diesel and Oil - Analysis by Washington Method WTPH-D + Extended TPH as 418.1 - Analysis by EPA Method 418.1 BTEX Compounds - Analysis by EPA Method 8020 Total Lead - Analysis by EPA Method 7421													

ATTACHMENT A
GROUNDWATER MONITORING AND
SAMPLE COLLECTION PROTOCOL
FIELD DATA SHEETS

ATTACHMENT A

Groundwater Monitoring

The groundwater sampling procedure consisted of measuring the water level in each well using an electronic water level indicator. The monitoring order is based on previous analytical data, moving from lowest to highest concentrations. Wells suspected to contain separate-phase hydrocarbons (SPH) were measured using an oil/water interface probe to measure the product thickness. Wells containing SPH are further checked using a clear bailer to observe viscosity and color of the SPH. Monitoring equipment in contact with groundwater was washed between wells with detergent and triple rinsed with distilled water.

Using existing surface elevation data, static water elevations were calculated for the groundwater elevation contour map. If SPH was measured in the well, an adjusted groundwater elevation was calculated by the following calculation:

$$(\text{Product thickness}) \times (0.8) + (\text{Water elevation}) = \text{Corrected water elevation}$$

Groundwater Sampling

The groundwater monitoring wells were purged of three casing volumes of water or until dry using a centrifugal pump with disposable polyethylene tubing or bailed by hand using disposable bailers. Wells containing SPH greater than 0.02-feet in thickness were not sampled.

After the water level in each well recovered to within at least 60% of the initial measurement, a sample was collected using a disposable bailer and was placed into appropriate EPA-approved containers. Slow recharging wells were allowed to recharge as long as possible before sample collection. Samples requiring filtering were filtered in the laboratory. Information about each well, purge, recovery data and observations were noted on the groundwater sample data sheets which are included in this attachment. The samples were labeled, logged onto a chain-of-custody document, sealed, and transported to a Chevron approved laboratory. A set of trip blanks accompanied the groundwater samples throughout the sampling event.

Duplicate samples and blind samples were not collected unless specifically requested by Chevron.

FIELD REPORT

DEPTH TO WATER/SEPARATE-PHASE HYDROCARBON SURVEY

PROJECT No.: 520-083.2A LOCATION: 617 N. Richmond Beach DATE: 6-3-97
Seattle, WA
 CLIENT/STATION NO.: 9-4511 FIELD TECHNICIAN: ms DAY OF WEEK: Tuesday

PROBE TYPE/ID No.

- ☐ Oil/Water IF _____
☒ H₂O level indicator _____
☐ Other: _____

SEPARATE-PHASE HYDROCARBONS (SPH)											VISCOSITY		LIQUID EXAMINED (if found)							
DNV Order	Well ID	Time	Surface Seal	Lid Secure	Gasket	Lock	Expanding Cap	Total Depth (feet)	First Depth to Water (feet) TOB/TOC	Dissolved Oxygen (mg/kg)	SPH Depth (feet) TOB/TOC	SPH Thickness (feet)	Fresh	Weathered	Gas	Oil	Light	Medium	Heavy	SPH / H ₂ O
													COLOR							
	mw 1	1305	✓	✓	✓	—	—	11.69	3.00 ⁺	Don't Use for Contouring										/
	mw 2	—	✓	✓	✓	✓	—	19.39	—											
	mw 4	1414	—	—	✓	✓	✓	12.20	5.38											/
	mw 5	1339	✓	✓	—	—	✓	11.55	4.35											/
	mw 6	1322	—	—	✓	✓	✓	11.82	2.70											/
	mw 7	—	✓	✓	✓	—	—	16.40	—											/
	mw 8	—	—	—	✓	✓	✓	11.90	6.25	Water level only										/
	mw 9	1437	✓	✓	—	✓	✓	17.11	6.84											
	mw 10	1357	—	—	✓	✓	✓	13.33	6.91											/

Comments: mw-7 well's casing is full of Bentonite;
 mw-2 Plugged with gravel; mw-9 the vault
 is full of Bentonite.

DEPTH TO WATER/SEPARATE-PHASE HYDROCARBON SURVEY

PROJECT No.: 520-083.24 LOCATION: 617 W. Richmond Beach
Seattle, WA DATE: 6-3-97

CLIENT/STATION NO.: 9-4511 FIELD TECHNICIAN: _____ DAY OF WEEK: _____

PROBE TYPE/ID No.

☐ Oil/Water IF _____

H₂O level

indicator _____

☐ Other: _____

[illegible]

Comments: _____

FIELD DATA SHEET

R SAMPLE FIELD DATA SHEET

PROJECT No.: 520-083.2A LOCATION: 617 N. Richmond Bv. Seattle, WA WELL ID #: mw-1
 WENT/STATION No.: 9-4511 FIELD TECHNICIAN: ms

WELL INFORMATION

CASING

GAL/

DIAMETER

LINEAR FT.

SAMPLE TYPE

Depth to Liquid: _____ TOB _____ TOC _____
 Depth to water: _____ TOB _____ TOC _____
 Total depth: _____ TOB _____ TOC _____
 Date: _____ Time (2400): _____

☐ 2 _____ 0.17
☐ 3 _____ 0.38
☒ 4 _____ 0.66
☐ 4.5 _____ 0.83
☐ 5 _____ 1.02
☐ 6 _____ 1.5
☐ 8 _____ 2.6

☒ Groundwater
☐ Duplicate
☐ Extraction well
☐ Trip blank
☐ Field blank
☐ Equipment blank
☐ Other; _____

Tube Type and I.D. # ☐ Oil/Water interface _____
☒ Electronic indicator _____
☐ Other; _____

11.69 - DTW = 3.00 [±] Gal/Linear x Foot 0.66 = 5.73 Number of x Casings 3 Calculated = Purge 17.20

DATE PURGED: 6-3-97 START: 1000 END (2400 hr): 10:20 PURGED BY: Mike
 DATE SAMPLED: 6-3-97 START: 1305 END (2400 hr): 1311 SAMPLED BY: Mike

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

← not required →

Pumped dry Yes ☒ No ☐

Cobalt 0-100
 Clear
 Cloudy
 Yellow
 Brown

NTU 0-100
 Heavy
 Moderate
 Light
 Trace

Strong
 Moderate
 Faint
 None

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

DTW: _____ TOB/TOC _____

PURGING EQUIPMENT/I.D.

☒ Bailer: _____ ☐ Airlift: _____
☒ Centrifugal: _____ ☐ Dedicated: _____
☐ Other: _____

SAMPLING EQUIPMENT/I.D.

☒ Bailer: _____
☐ Dedicated: _____
☐ Other: _____

SAMPLE I.D.	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
_____	_____	_____	SEE	C.O.C.	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

← SEE C.O.C. →

WELL INTEGRITY: ☒ Good ☐ Fair ☐ Poor

REMARKS: 17 gallon purge, Don't use water level for
centering because casing is broken off. Bentonite
in well packet.

SIGNATURE: Michael Jones

PACIFIC
 ENVIRONMENTAL
 GROUP, INC.

FIELD DATA SHEET

SAMPLE FIELD DATA SHEET

WELL No.: 520-083.2A LOCATION: 617 N. Richmond Beach WELL ID #: mw-2
Seattle, WA
 W/STATION No.: 9-4511 FIELD TECHNICIAN: ms

WELL INFORMATION

to Liquid: _____ TOB _____ TOC _____
 to water: _____ TOB _____ TOC _____
 depth: _____ TOB _____ TOC _____
 Time (2400): _____

Type ☐ Oil/Water interface _____
☒ Electronic Indicator _____
☐ Other: _____

CASING

DIAMETER

☐ 2 _____ 0.17
☐ 3 _____ 0.38
☒ 4 _____ 0.66
☐ 4.5 _____ 0.83
☐ 5 _____ 1.02
☐ 6 _____ 1.5
☐ 8 _____ 2.6

GAL/

LINEAR FT.

SAMPLE TYPE

☒ Groundwater
☐ Duplicate
☐ Extraction well
☐ Trip blank
☐ Field blank
☐ Equipment blank
☐ Other: _____

1.39 - DTW = _____ Gal/Linear x Foot _____ = _____ Number of x Casings 3 Calculated = Purge _____

DATE PURGED: 6-3-97 START: _____ END (2400 hr): _____ PURGED BY: Mike
 DATE SAMPLED: 6-3-97 START: _____ END (2400 hr): _____ SAMPLED BY: Mike

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

← not required →

Jumped dry Yes / No

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

TW: _____ TOB/TOC _____

LIFTING EQUIPMENT/I.D.

☒ Bailer: _____ ☐ Airlift: _____
☒ Centrifugal: _____ ☐ Dedicated: _____
☐ Other: _____

SAMPLING EQUIPMENT/I.D.

☒ Bailer: _____
☐ Dedicated: _____
☐ Other: _____

SAMPLE I.D.	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

← SEE C.O.C. →

WELL INTEGRITY: ☒ Good ☐ Fair ☐ Poor

REMARKS: Well is full of gravel, no well taken and or
a sample

NATURE: Michael Jones



PACIFIC
ENVIRONMENTAL
GROUP, INC.

FIELD DATA SHEET

SAMPLE FIELD DATA SHEET

WELL No. 520-083.2A LOCATION: 617 N. Richmond Blvd WELL ID #: mw-4
Seattle, WA
 STATION No.: 9-4511 FIELD TECHNICIAN: ms

WELL INFORMATION

to Liquid: _____ TOB _____ TOC _____
 to water: _____ TOB _____ TOC _____
 depth: _____ TOB _____ TOC _____
 Time (2400): _____

Type ☐ Oil/Water interface
☒ Electronic Indicator
☐ Other; _____

CASING

DIAMETER

☒ 2 _____ 0.17
☐ 3 _____ 0.38
☐ 4 _____ 0.66
☐ 4.5 _____ 0.83
☐ 5 _____ 1.02
☐ 6 _____ 1.5
☐ 8 _____ 2.6

GAL/

LINEAR FT.

SAMPLE TYPE

☒ Groundwater
☐ Duplicate
☐ Extraction well
☐ Trip blank
☐ Field blank
☐ Equipment blank
☐ Other; _____

1.20 - DTW = 5.38 Gal/Linear x Foot .17 = 1.15 Number of x Casings 3 Calculated = Purge 3.47

DATE PURGED: 6-3-97 START: 1134 END (2400 hr): 1140 PURGED BY: mike
 DATE SAMPLED: 6-3-97 START: 1414 END (2400 hr): 1424 SAMPLED BY: mike

TIME 2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

umped dry Yes ☒ No

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

WTW: _____ TOB/TOC _____

PURGING EQUIPMENT/I.D.

☒ Bailer: _____ ☐ Airlift: _____
☒ Centrifugal: _____ ☐ Dedicated: _____
☐ Other: _____

SAMPLING EQUIPMENT/I.D.

☒ Bailer: _____
☐ Dedicated: _____
☐ Other: _____

SAMPLE I.D.	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

WELL INTEGRITY: ☒ Good ☐ Fair ☐ Poor

REMARKS: 4 gallon purge, Bolt Bales are stripped out, No bolts

NATURE: Michael Jones



PACIFIC
ENVIRONMENTAL
GROUP, INC.

FIELD DATA SHEET

SAMPLE FIELD DATA SHEET

CT No. 520-083.2A LOCATION: 617 N. Richmond Blvd WELL ID #: mw-5
Seattle, WA
 STATION No.: 9-4511 FIELD TECHNICIAN: ms

WELL INFORMATION

to Liquid: _____ TOB _____ TOC _____
 to water: _____ TOB _____ TOC _____
 depth: _____ TOB _____ TOC _____
 Time (2400): _____

Type ☐ Oil/Water interface _____
 id ☒ Electronic Indicator _____
 # ☐ Other; _____

CASING

DIAMETER

☒ 2 _____ 0.17
☐ 3 _____ 0.38
☐ 4 _____ 0.66
☐ 4.5 _____ 0.83
☐ 5 _____ 1.02
☐ 6 _____ 1.5
☐ 8 _____ 2.6

GAL/

LINEAR FT.

SAMPLE TYPE

☒ Groundwater
☐ Duplicate
☐ Extraction well
☐ Trip blank
☐ Field blank
☐ Equipment blank
☐ Other; _____

1.55 - DTW = 4.35 Gal/Linear x Foot .17 = 1.22 Number of 3 Calculated = Purge 3.67

DATE PURGED: 6-3-97 START: 1050 END (2400 hr): 1058 PURGED BY: Mike
 DATE SAMPLED: 6-3-97 START: 1339 END (2400 hr): 1343 SAMPLED BY: Mike

TIME 2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

← not required →

umped dry Yes ☒ No

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

DTW: _____ TOB/TOC _____

LIFTING EQUIPMENT/I.D.

☒ Bailer: _____ ☐ Airlift: _____
☒ Centrifugal: _____ ☐ Dedicated: _____
☐ Other: _____

SAMPLING EQUIPMENT/I.D.

☒ Bailer: _____
☐ Dedicated: _____
☐ Other: _____

SAMPLE I.D.	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
_____	_____	_____	SEE	C.O.C.	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

WELL INTEGRITY: ☒ Good ☐ Fair ☐ Poor

REMARKS: 4 gallon purge

NATURE: Michael Jones



PACIFIC
ENVIRONMENTAL
GROUP, INC.

FIELD DATA SHEET

SAMPLE FIELD DATA SHEET

WELL No.: 520-0832A LOCATION: 617 N. Richmond Blvd WELL ID #: mw-6
Seattle, WA
 W/STATION No.: 9-4511 FIELD TECHNICIAN: ms

WELL INFORMATION

to Liquid: _____ TOB _____ TOC _____
 to water: _____ TOB _____ TOC _____
 depth: _____ TOB _____ TOC _____
 Time (2400): _____

Type ☐ Oil/Water interface _____
☒ Electronic Indicator _____
☐ Other: _____

CASING

DIAMETER

☒ 2 _____ 0.17
☐ 3 _____ 0.38
☐ 4 _____ 0.66
☐ 4.5 _____ 0.83
☐ 5 _____ 1.02
☐ 6 _____ 1.5
☐ 8 _____ 2.6

GAL/

LINEAR FT.

SAMPLE TYPE

☒ Groundwater
☐ Duplicate
☐ Extraction well
☐ Trip blank
☐ Field blank
☐ Equipment blank
☐ Other: _____

82 - DTW = 2.70 Gal/Linear x Foot .17 = 1.55 Number of x Casings 3 Calculated = Purge 4.65

DATE PURGED: 6-3-97 START: 1030 END (2400 hr): 1036 PURGED BY: Mike
 DATE SAMPLED: 6-3-97 START: 1322 END (2400 hr): 1330 SAMPLED BY: Mike

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

← not required →

umped dry Yes ☒ No

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

TW: _____ TOB/TOC _____

LIFTING EQUIPMENT/I.D.

☒ Bailer: _____ ☐ Airlift: _____
☒ Centrifugal: _____ ☐ Dedicated: _____
☐ Other: _____

SAMPLING EQUIPMENT/I.D.

☒ Bailer: _____
☐ Dedicated: _____
☐ Other: _____

SAMPLE I.D.	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

← SEE C.O.C. →

IL INTEGRITY: ☒ Good ☐ Fair ☐ Poor

MARKS: 5 gallon pungs, No belts, bolt hole tabs are broken off.

NATURE: Michael Jones



PACIFIC
ENVIRONMENTAL
GROUP, INC.

FIELD DATA SHEET

SAMPLE FIELD DATA SHEET

WELL No.: 520-0832A LOCATION: 617 N. Richmond Beach WELL ID #: mw-9
Seattle, WA
 /STATION No.: 9-4511 FIELD TECHNICIAN: mj

WELL INFORMATION

to Liquid: _____ TOB _____ TOC _____
 to water: _____ TOB _____ TOC _____
 Depth: _____ TOB _____ TOC _____
 Time (2400): _____

Type ☐ Oil/Water interface _____
☒ Electronic Indicator _____
☐ Other: _____

CASING

DIAMETER

☐ 2 _____ 0.17
☐ 3 _____ 0.38
☒ 4 _____ 0.66
☐ 4.5 _____ 0.83
☐ 5 _____ 1.02
☐ 6 _____ 1.5
☐ 8 _____ 2.6

GAL/

LINEAR FT.

SAMPLE TYPE

☒ Groundwater
☐ Duplicate
☐ Extraction well
☐ Trip blank
☐ Field blank
☐ Equipment blank
☐ Other: _____

7.11 - DTW = 6.84 Gal/Linear x Foot 66 = 6.77 Number of x Casings 3 Calculated = Purge 20.33

DATE PURGED: 6-3-97 START: 1152 END (2400 hr): 1213 PURGED BY: Mike

DATE SAMPLED: 6-3-97 START: 1437 END (2400 hr): 1452 SAMPLED BY: Mike

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

← not required →

Imped dry Yes ☒ No

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

TW: _____ TOB/TOC _____

LIFTING EQUIPMENT/I.D.

☒ Bailer: _____ ☐ Airlift: _____
☒ Centrifugal: _____ ☐ Dedicated: _____
☐ Other: _____

SAMPLING EQUIPMENT/I.D.

☒ Bailer: _____
☐ Dedicated: _____
☐ Other: _____

SAMPLE I.D.	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
_____	_____	_____	SEE	C.O.C.	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

WELL INTEGRITY: ☒ Good ☐ Fair ☐ Poor

REMARKS: 20 gallon purge, vault is full of Bentonite,

SIGNATURE: Michael Jones



PACIFIC
ENVIRONMENTAL
GROUP, INC.

FIELD DATA SHEET

SAMPLE FIELD DATA SHEET

CT No.: 520-083.2A LOCATION: 617 N. Richmond Bldg WELL ID #: mw-10
Seattle, WA
 STATION No.: 9-4511 FIELD TECHNICIAN: ms

WELL INFORMATION

CASING

GAL/

DIAMETER

LINEAR FT.

SAMPLE TYPE

to Liquid: _____ TOB _____ TOC _____
 to water: _____ TOB _____ TOC _____
 depth: _____ TOB _____ TOC _____
 Time (2400): _____

☐ 2 _____ 0.17
☐ 3 _____ 0.38
☒ 4 _____ 0.66
☐ 4.5 _____ 0.83
☐ 5 _____ 1.02
☐ 6 _____ 1.5
☐ 8 _____ 2.6

☒ Groundwater
☐ Duplicate
☐ Extraction well
☐ Trip blank
☐ Field blank
☐ Equipment blank
☐ Other; _____

Type ☐ Oil/Water interface
 id ☒ Electronic Indicator
 # ☐ Other; _____

3.33 - DTW = 6.91 Gal/Linear x Foot 0.66 = 4.23 Number of x Casings 3 Calculated = Purge 12.71

DATE PURGED: 6-3-97 START: 1110 END (2400 hr): 1123 PURGED BY: Mike
 DATE SAMPLED: 6-3-97 START: 1357 END (2400 hr): 1407 SAMPLED BY: Mike

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

← not required →

umped dry Yes ☒ No ☐
 FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:
 DTW: _____ TOB/TOC _____

PURGING EQUIPMENT/I.D.

SAMPLING EQUIPMENT/I.D.

☒ Bailer: _____ ☐ Airlift: _____
☒ Centrifugal: _____ ☐ Dedicated: _____
☐ Other: _____

☒ Bailer: _____
☐ Dedicated: _____
☐ Other: _____

SAMPLE I.D. DATE TIME (2400) No. of Cont. SIZE CONTAINER PRESERVE ANALYTICAL PARAMETER

← SEE C.O.C. →

LL INTEGRITY: ☒ Good ☐ Fair ☐ Poor

MARKS: 139 gallon purge, Bolt Bolts stripped out, no bolts,

NATURE: Michael Jones



PACIFIC
ENVIRONMENTAL
GROUP, INC.

FIELD DATA SHEET

SAMPLE FIELD DATA SHEET

CT No.: 520-083.2A LOCATION: 617 N. Richmond Blvd. WELL ID #: mw-11
Seattle, WA
 STATION No.: 9-4511 FIELD TECHNICIAN: msj

WELL INFORMATION

CASING

GAL/

DIAMETER

LINEAR FT.

SAMPLE TYPE

to Liquid: _____ TOB _____ TOC _____
 to water: _____ TOB _____ TOC _____
 depth: _____ TOB _____ TOC _____
 Time (2400): _____

☐ 2 _____ 0.17
☐ 3 _____ 0.38
☒ 4 _____ 0.66
☐ 4.5 _____ 0.83
☐ 5 _____ 1.02
☐ 6 _____ 1.5
☐ 8 _____ 2.6

☒ Groundwater
☐ Duplicate
☐ Extraction well
☐ Trip blank
☐ Field blank
☐ Equipment blank
☐ Other; _____

Type ☐ Oil/Water interface _____
 id ☒ Electronic Indicator _____
 # ☐ Other; _____

20 - DTW = 3.80 Gal/Linear x Foot 0.66 = 4.88 Number of x Casings 3 Calculated = Purge 14.65

DATE PURGED: 6-3-97 START: 1231 END (2400 hr): 1247 PURGED BY: Mike
 DATE SAMPLED: 6-3-97 START: 1458 END (2400 hr): 1509 SAMPLED BY: Mike

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

← not required →

umped dry Yes ☒ No

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

DTW: _____ TOB/TOC _____

LIFTING EQUIPMENT/I.D.

☒ Bailer: _____ ☐ Airlift: _____
☒ Centrifugal: _____ ☐ Dedicated: _____
☐ Other: _____

SAMPLING EQUIPMENT/I.D.

☒ Bailer: _____
☐ Dedicated: _____
☐ Other: _____

SAMPLE I.D.	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
_____	_____	_____	SEE	C.O.C.	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

QUALITY INTEGRITY: ☒ Good ☐ Fair ☐ Poor

REMARKS: 15 gallon purge, Best Bales are shipped out, no
bales,

NATURE: Michael Jones



PACIFIC
ENVIRONMENTAL
GROUP, INC.

ATTACHMENT B

LABORATORY ANALYTICAL RESULTS

CHAIN-OF-CUSTODY DOCUMENTATION



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 643-9200 ■ FAX 644-2202

Pacific Environmental Group	Project: Chevron #9-4511, #NC9055054	Sampled: 6/3/97
4020 148th Ave NE, Ste B	Project Number: 520-083.2A	Received: 6/4/97
Redmond, WA 98052	Project Manager: John Blough	Reported: 6/13/97 15:01

Summary Report*

(Please refer to the Analytical Report for a thorough review of the complete data set.)

Method	Analyte	Units	MW-1 Water 6/3/97 B706075-01	MW-4 Water 6/3/97 B706075-02	MW-5 Water 6/3/97 B706075-03	MW-6 Water 6/3/97 B706075-04	MW-9 Water 6/3/97 B706075-05
WTPH-G/8020	Gasoline Range Hydrocarbons	ug/l	2040	11400	<50.0	<50.0	3450
"	Benzene	"	4.03	22.2	<0.500	<0.500	67.6
"	Toluene	"	<2.50	3.41	<0.500	<0.500	<2.50
"	Ethylbenzene	"	3.49	22.2	<0.500	<0.500	128
"	Xylenes (total)	"	33.7	292	<1.00	<1.00	178
WTPH-Dext	Diesel Range Hydrocarbons	mg/l	2.04	3.37	0.368	<0.250	1.33
"	Heavy Oil Range Hydrocarbons	"	<0.750	0.818	<0.750	<0.750	<0.750

Method	Analyte	Units	MW-10 Water 6/3/97 B706075-06	MW-11 Water 6/3/97 B706075-07	TB Water 6/3/97 B706075-08		
WTPH-G/8020	Gasoline Range Hydrocarbons	ug/l	<50.0	<50.0	<50.0		
"	Benzene	"	22.3	<0.500	<0.500		
"	Toluene	"	<0.500	<0.500	<0.500		
"	Ethylbenzene	"	3.20	<0.500	<0.500		
"	Xylenes (total)	"	3.75	<1.00	<1.00		
WTPH-Dext	Diesel Range Hydrocarbons	mg/l	0.396	<0.250	-		
"	Heavy Oil Range Hydrocarbons	"	<0.750	<0.750	-		



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Pacific Environmental Group
4020 148th Ave NE, Ste B
Redmond, WA 98052

Project: Chevron #9-4511, #NC9055054
Project Number: 520-083.2A
Project Manager: John Blough

Sampled: 6/3/97
Received: 6/4/97
Reported: 6/13/97 14:57

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	B706075-01	Water	6/3/97
MW-4	B706075-02	Water	6/3/97
MW-5	B706075-03	Water	6/3/97
MW-6	B706075-04	Water	6/3/97
MW-9	B706075-05	Water	6/3/97
MW-10	B706075-06	Water	6/3/97
MW-11	B706075-07	Water	6/3/97
TB	B706075-08	Water	6/3/97

North Creek Analytical, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document.
This analytical report must be reproduced in its entirety.*

Joy B. Chang, Project Manager

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NORTH CREEK ANALYTICAL

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Pacific Environmental Group
4020 148th Ave NE, Ste B
Redmond, WA 98052

Project: Chevron #9-4511, #NC9055054
Project Number: 520-083.2A
Project Manager: John Blough

Sampled: 6/3/97
Received: 6/4/97
Reported: 6/13/97 14:57

Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8020A North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1								
				B706075-01		Water		
Gasoline Range Hydrocarbons	0670271	6/9/97	6/10/97		250	2040	ug/l	
Benzene	"	"	"		2.50	4.03	"	
Toluene	"	"	"		2.50	ND	"	
Ethylbenzene	"	"	"		2.50	3.49	"	
Xylenes (total)	"	"	"		5.00	33.7	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		90.0	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		103	"	
MW-4								
				B706075-02		Water		
Gasoline Range Hydrocarbons	0670271	6/9/97	6/10/97		250	11400	ug/l	
Benzene	"	"	"		2.50	22.2	"	
Toluene	"	"	"		2.50	3.41	"	
Ethylbenzene	"	"	"		2.50	22.2	"	
Xylenes (total)	"	"	"		5.00	292	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		126	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		108	"	
MW-5								
				B706075-03		Water		
Gasoline Range Hydrocarbons	0670271	6/9/97	6/9/97		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		86.9	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		98.8	"	
MW-6								
				B706075-04		Water		
Gasoline Range Hydrocarbons	0670271	6/9/97	6/9/97		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		90.6	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		104	"	
MW-9								
				B706075-05		Water		
Gasoline Range Hydrocarbons	0670271	6/9/97	6/9/97		250	3450	ug/l	
Benzene	"	"	"		2.50	67.6	"	

North Creek Analytical, Inc.

*Refer to end of report for text of notes and definitions.

Joy B Chang, Project Manager

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SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 643-9200 ■ FAX 644-2202

Pacific Environmental Group	Project: Chevron #9-4511, #NC9055054	Sampled: 6/3/97
4020 148th Ave NE, Ste B	Project Number: 520-083.2A	Received: 6/4/97
Redmond, WA 98052	Project Manager: John Blough	Reported: 6/13/97 14:57

Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8020A North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-9 (continued)				B706075-05			Water	
Toluene	0670271	6/9/97	6/9/97		2.50	ND	ug/l	
Ethylbenzene	"	"	"		2.50	128	"	
Xylenes (total)	"	"	"		5.00	178	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		100	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		109	"	
MW-10				B706075-06			Water	
Gasoline Range Hydrocarbons	0670271	6/9/97	6/9/97		50.0	ND	ug/l	
Benzene	"	"	"		0.500	22.3	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	3.20	"	
Xylenes (total)	"	"	"		1.00	3.75	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		98.8	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		109	"	
MW-11				B706075-07			Water	
Gasoline Range Hydrocarbons	0670271	6/9/97	6/9/97		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		106	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		116	"	
TB				B706075-08			Water	
Gasoline Range Hydrocarbons	0670271	6/9/97	6/9/97		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		96.9	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		113	"	



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

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SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 643-9200 ■ FAX 644-2202

Pacific Environmental Group 4020 148th Ave NE, Ste B Redmond, WA 98052	Project: Chevron #9-4511, #NC9055054 Project Number: 520-083.2A Project Manager: John Blough	Sampled: 6/3/97 Received: 6/4/97 Reported: 6/13/97 14:57
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Diesel Hydrocarbons (C12-C24) and Heavy Oil (C24-C40) by WTPH-D (extended) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1				B706075-01			Water	
Diesel Range Hydrocarbons	0670255	6/9/97	6/10/97		0.250	2.04	mg/l	1
Heavy Oil Range Hydrocarbons	"	"	"		0.750	ND	"	
Surrogate: 2-FBP	"	"	"	50.0-150		80.7	%	
MW-4				B706075-02			Water	
Diesel Range Hydrocarbons	0670255	6/9/97	6/10/97		0.250	3.37	mg/l	1
Heavy Oil Range Hydrocarbons	"	"	"		0.750	0.818	"	
Surrogate: 2-FBP	"	"	"	50.0-150		66.8	%	
MW-5				B706075-03			Water	
Diesel Range Hydrocarbons	0670255	6/9/97	6/10/97		0.250	0.368	mg/l	
Heavy Oil Range Hydrocarbons	"	"	"		0.750	ND	"	
Surrogate: 2-FBP	"	"	"	50.0-150		70.7	%	
MW-6				B706075-04			Water	
Diesel Range Hydrocarbons	0670255	6/9/97	6/10/97		0.250	ND	mg/l	
Heavy Oil Range Hydrocarbons	"	"	"		0.750	ND	"	
Surrogate: 2-FBP	"	"	"	50.0-150		83.8	%	
MW-9				B706075-05			Water	
Diesel Range Hydrocarbons	0670255	6/9/97	6/10/97		0.250	1.33	mg/l	1
Heavy Oil Range Hydrocarbons	"	"	"		0.750	ND	"	
Surrogate: 2-FBP	"	"	"	50.0-150		84.1	%	
MW-10				B706075-06			Water	
Diesel Range Hydrocarbons	0670255	6/9/97	6/10/97		0.250	0.396	mg/l	
Heavy Oil Range Hydrocarbons	"	"	"		0.750	ND	"	
Surrogate: 2-FBP	"	"	"	50.0-150		81.5	%	
MW-11				B706075-07			Water	
Diesel Range Hydrocarbons	0670255	6/9/97	6/10/97		0.250	ND	mg/l	
Heavy Oil Range Hydrocarbons	"	"	"		0.750	ND	"	
Surrogate: 2-FBP	"	"	"	50.0-150		78.9	%	



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

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PORTLAND ■ (503) 643-9200 ■ FAX 644-2202

Pacific Environmental Group
4020 148th Ave NE, Ste B
Redmond, WA 98052

Project: Chevron #9-4511, #NC9055054
Project Number: 520-083.2A
Project Manager: John Blough

Sampled: 6/3/97
Received: 6/4/97
Reported: 6/13/97 14:57

Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8020A/Quality Control North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0670271										
Date Prepared: 6/9/97										
Extraction Method: EPA 5030										
Blank										
0670271-BLK1										
Gasoline Range Hydrocarbons	6/9/97			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	1.00				
Surrogate: 4-BFB (FID)	"	16.0		14.6	"	50.0-150	91.3			
Surrogate: 4-BFB (PID)	"	16.0		16.6	"	50.0-150	104			
LCS										
0670271-BS1										
Gasoline Range Hydrocarbons	6/9/97	500		492	ug/l	80.0-120	98.4			
Surrogate: 4-BFB (FID)	"	16.0		14.8	"	50.0-150	92.5			
Duplicate										
0670271-DUP1 B706075-05										
Gasoline Range Hydrocarbons	6/9/97		3450	3800	ug/l			25.0	9.66	
Surrogate: 4-BFB (FID)	"	16.0		14.1	"	50.0-150	88.1			
Duplicate										
0670271-DUP2 B706011-03										
Gasoline Range Hydrocarbons	6/9/97		ND	ND	ug/l			25.0		
Surrogate: 4-BFB (FID)	"	16.0		13.7	"	50.0-150	85.6			
Matrix Spike										
0670271-MS1 B706075-03										
Benzene	6/9/97	10.0	ND	11.0	ug/l	70.0-130	110			
Toluene	"	10.0	ND	10.2	"	70.0-130	102			
Ethylbenzene	"	10.0	ND	9.85	"	70.0-130	98.5			
Xylenes (total)	"	30.0	ND	28.5	"	70.0-130	95.0			
Surrogate: 4-BFB (PID)	"	16.0		16.5	"	50.0-150	103			
Matrix Spike Dup										
0670271-MSD1 B706075-03										
Benzene	6/9/97	10.0	ND	11.3	ug/l	70.0-130	113	15.0	2.69	
Toluene	"	10.0	ND	10.3	"	70.0-130	103	15.0	0.976	
Ethylbenzene	"	10.0	ND	10.0	"	70.0-130	100	15.0	1.51	
Xylenes (total)	"	30.0	ND	28.8	"	70.0-130	96.0	15.0	1.05	
Surrogate: 4-BFB (PID)	"	16.0		16.5	"	50.0-150	103			

North Creek Analytical, Inc.

*Refer to end of report for text of notes and definitions.

Joy B Chang, Project Manager

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Environmental Laboratory Services

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Pacific Environmental Group
4020 148th Ave NE, Ste B
Redmond, WA 98052

Project: Chevron #9-4511, #NC9055054
Project Number: 520-083.2A
Project Manager: John Blough

Sampled: 6/3/97
Received: 6/4/97
Reported: 6/13/97 14:57

Diesel Hydrocarbons (C12-C24) and Heavy Oil (C24-C40) by WTPH-D (extended)/Quality Control North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0670255										
Blank										
		Date Prepared: 6/9/97			Extraction Method: EPA 3520/600 Series					
		0670255-BLK1								
Diesel Range Hydrocarbons	6/10/97			ND	mg/l	0.250				
Heavy Oil Range Hydrocarbons	"			ND	"	0.750				
Surrogate: 2-FBP	"	0.350		0.292	"	50.0-150	83.4			
LCS										
		0670255-BS1								
Diesel Range Hydrocarbons	6/10/97	2.04		1.99	mg/l	52.0-131	97.5			
Surrogate: 2-FBP	"	0.350		0.301	"	50.0-150	86.0			
Duplicate										
		0670255-DUP1			B706112-02					
Diesel Range Hydrocarbons	6/10/97		0.302	0.317	mg/l			44.0	4.85	2
Surrogate: 2-FBP	"	0.661		0.530	"	50.0-150	80.2			
Duplicate										
		0670255-DUP2			B706112-03					
Diesel Range Hydrocarbons	6/11/97		ND	ND	mg/l			44.0		
Surrogate: 2-FBP	"	0.661		0.0737	"	50.0-150	11.1			3



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 643-9200 ■ FAX 644-2202

Pacific Environmental Group
4020 148th Ave NE, Ste B
Redmond, WA 98052

Project: Chevron #9-4511, #NC9055054
Project Number: 520-083.2A
Project Manager: John Blough

Sampled: 6/3/97
Received: 6/4/97
Reported: 6/13/97 14:57

Notes and Definitions

#	Note
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- 1 This sample appears to contain volatile range organics.
 - 2 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit.
 - 3 The surrogate recovery for this sample is outside of established control limits. Review of associated QC indicates the recovery for this surrogate does not represent an out-of-control condition.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- Recov. Recovery
- RPD Relative Percent Difference

North Creek Analytical, Inc.

Joy B Chang, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9105 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508 (206) 481-9200 FAX 485-2992

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CHEVRON U.S.A., Inc. CHAIN OF CUSTODY REPORT

CHEVRON INFORMATION	
CHEVRON Facility #:	9-4511
Facility Address:	617 N. Richmond Beach
City, State, ZIP:	Seattle WA
CHEVRON Contact Name:	Dan Barnat
CHEVRON Telephone #:	
Laboratory Release #:	9055054

CONSULTANT INFORMATION	
Name: <u>REG</u>	Consultant Project #: <u>520-083-2</u>
Address: <u>4020 148th Ave NE # B</u> <u>Redmond, WA</u>	
Phone: <u>869-5099</u>	Fax: <u>869-56509</u>
Project Manager: <u>John Newf</u>	Consultant Project #: <u>520-083-24</u>
Sample Collection by: <u>M. Jones</u> Airbill #:	

Turnaround Times	
Standard Analyses (DAYS)	10
RUSH Analyses (HOURS)	24 48
RUSH Analyses (DAYS)	5

SAMPLE IDENTIFICATION	SAMPLING DATE / TIME	MATRIX (W,S,O,A)	# OF CONTAINERS
1. mw-1	6/3/97 1305	W	3
2. mw-4	1414	W	3
3. mw-5	1339	W	3
4. mw-6	1322	W	3
5. mw-9	1437	W	3
6. mw-10	1357	W	3
7. mw-11	1450	W	3
8. TB		W	2
9.			
10.			

☐ Oregon	☒ Washington	☐ Alaska	☐ Other - Hydrocarbon Methods
TPI-HCID			
TPI-Gas			
BTEX			
(EPA 8020 Mod.)			
TPI-Gas + BTEX	/		
TPI-Diesel	/		
TPI-Diesel Extended	/		
TPI-418.1	/		
Halogen Volatiles (EPA 8010)	/		
Aromatic Volatiles (EPA 8020)	/		
Pesticides/PCBs or PCBs Only	/		
GCMS Volatiles (EPA 8240/8260)	/		
GCMS SemiVols. (EPA 8270)	/		
PAHs by HPLC (EPA 8310)	/		
Lead:	/		
Total or Dissolved	/		
TCLP Metals (9)	/		
NCA Sample Number	B166075-C1		
	-02		
	-03		
	-04		
	-05		
	-06		
	-07		
	-08		

REMARKS
Some of the was an Nonpersonal clean out of Personal you might want to ran the analogs for -Thompson

	Relinquished by:	Firm:	Date & Time	Received by:	Firm:	Date & Time
1.	<i>Medina</i>	<i>PG</i>	<i>6/4/92 1230</i>	<i>Payton</i>	<i>NCA</i>	<i>6/4/92 1230</i>
2.	<i>Payton</i>	<i>NCA</i>	<i>6/4/92 1315</i>	<i>Dana</i>	<i>NCA</i>	<i>6/4/92 1315</i>
3.						

REPORTS:

Level 1 ☐ ☒ Yes

Level 2 ☐ ☐ No

SAMPLE PRESERVATION (Iced)

☒ Yes

☐ No

Fax Copy of Lab Report & COC to CHEVRON:

☐ Yes

☒ No