UNOCAL Station 4165
Snohomish
Release 1995

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Quarterly Groundwater Monitoring Report - Fourth Quarter 2009
ConocoPhillips Facility No. 254165 (RM&R #01234)
Washington Department of Ecology
Leaking Underground Storage Tank Program ID #NW8443
202 Avenue D
Snohomish, Washington

Stantec Project No.:
212301492

Submitted to:
LUST Coordinator
Washington State Department of Ecology
3190 160th Avenue SE
Bellevue, WA 98008-5452

Submitted by:
Stantec Consulting Corporation
12034 134th Court NE, Suite 102
Redmond, WA 98052

Prepared on behalf of:
ConocoPhillips Company

January 7, 2010

Dear LUST Coordinator:

Stantec Consulting Corporation (Stantec) is pleased to present this quarterly groundwater monitoring report to the Washington State Department of Ecology (DOE) Leaking Underground Storage Tank (LUST) Program on behalf of the ConocoPhillips Company (ConocoPhillips). This report describes the results of groundwater monitoring activities performed by Stantec during the Fourth Quarter of 2009 (the reporting period) at ConocoPhillips Facility No. 254165 (RM&R #01234; LUST #NW8443) located at 202 Avenue D in Snohomish, Washington (the Site).

GROUNDWATER MONITORING ACTIVITIES

Groundwater monitoring activities during the reporting period were performed on December 7, 2009. Groundwater monitoring activities were performed in accordance with Stantec's protocols for groundwater monitoring events (Appendix A).

Five groundwater monitoring wells were gauged (MW-1A, MW-2, MW-6A, MW-11, and MW-12) and three groundwater monitoring wells (MW-6A, MW-11, and MW-12) were sampled. Well MW-10 has been removed from the groundwater gauging and sampling program due to safety concerns with respect to traffic patterns in the intersection. Wells MW-9, MW-10, and MW-13 through MW-15 were not included in the sampling schedule this reporting period. Monitoring activities are described below.

Monitoring Well Gauging

Five groundwater monitoring wells were gauged: MW-1A, MW-2, MW-6A, MW-11, and MW-12. Monitoring wells were gauged for the presence of liquid phase hydrocarbons (LPH) and depth-to-groundwater prior to purging and sampling. LPH was not measured in the groundwater monitoring wells at thicknesses greater than or equal to 0.01 feet. The depth to groundwater ranged from 4.02 feet (MW-2) to 8.53 feet (MW-12) below the top of casing (TOC). Depth-to-groundwater data was used to calculate the groundwater elevation in each well and evaluate the groundwater flow direction and gradient. Historical groundwater gauging data and gauging data from the reporting period are summarized in Table 1. Well locations and groundwater flow direction are shown on Figure 1. Based on these data, the inferred groundwater flow direction was to the south at an approximate gradient of 0.07 feet per foot (ft/ft).

Monitoring Well Purging

Wells intended to be sampled were purged after gauging. Groundwater was purged from the wells using low-flow methods, which included using a peristaltic pump and dedicated polyethylene tubing. Water quality parameters were measured during purging and recorded on

field data sheets (Appendix B). Purged groundwater and rinsate/decontamination water were stored on site in a Department of Transportation (DOT)-approved, steel drum pending laboratory characterization and off site disposal.

Monitoring Well Sampling

Following purging operations, groundwater samples were collected using a peristaltic pump and placed directly into pre-cleaned sample containers provided by an independent laboratory.

Once the sample containers were filled and sealed, they were labeled with the pertinent sampling information, and placed on ice in an insulated cooler for delivery under chain-of-custody documentation to an independent laboratory.

CHEMICAL ANALYSES AND RESULTS

Chemical Analyses

Groundwater samples collected during the reporting period were submitted to Pace Analytical Services, Inc. (Pace) in Seattle, Washington for the following chemical analyses:

- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) using Environmental Protection Agency (EPA) Method 8260B; and
- Total petroleum hydrocarbons (TPH) gasoline range organics (TPH-G) using DOE Northwest Method NWTPH-Gx.

Chemical analyses results are described below. A copy of the certified laboratory analytical report and chain-of-custody documentation from Pace are included in Appendix C.

Chemical Analyses Results

Historical chemical analyses results and those from the reporting period are summarized in Table 1. Analytical results for TPH-G and BTEX are illustrated on Figure 2.

A summary of the analytical results exceeding Model Toxics Control Act (MTCA) Method A cleanup levels is provided below. Analytical results not described below did not exceed MTCA Method A cleanup levels.

- TPH-G was detected in groundwater from MW-6A at a concentration of 1,990 micrograms per liter (µg/L), which exceeds the MTCA Method A cleanup level of 1,000 µg/L. The detected concentration is relatively consistent with recent sampling events.

- Benzene was detected in groundwater from MW-11 at a concentration of 8.5 µg/L, which exceeds the MTCA Method A cleanup level of 5 µg/L. The detected concentration is relatively consistent with recent sampling events.

Laboratory Quality Assurance/Quality Control (QA/QC)

A copy of the analytical report for the samples collected during the reporting period is included in Appendix C. Please refer to the analytical report for a description of QA/QC methods and potential concerns (if any) that were identified during chemical analysis. No potential QA/QC concerns appear to have been identified in the analytical report.

WASTE DISPOSAL

Purge and rinsate water generated during the monitoring and sampling event were temporarily stored on site in a labeled, DOT-approved, steel drum. The drum and its contents will be transported off-site to a licensed disposal or recycling facility by a licensed ConocoPhillips-approved vendor A copy of the signed waste manifest or other disposal documentation will be provided under a separate cover.

CONCLUSIONS

The concentrations of TPH-G in MW-6A and benzene in MW-11 exceeded MTCA Method A cleanup levels. The reported concentrations are relatively consistent with other recent sampling events at the Site.

LIMITATIONS AND CERTIFICATIONS

This report was prepared in accordance with the scope of work outlined in Stantec's contract and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of ConocoPhillips Company for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Stantec. To the extent that this report is based on information provided to Stantec by third parties, Stantec may have made efforts to verify this third party information, but Stantec cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the site existing at the time of the field investigations. No other warranties, expressed or implied are made by Stantec.

Prepared by:

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Staff Scientist

Reviewed by:

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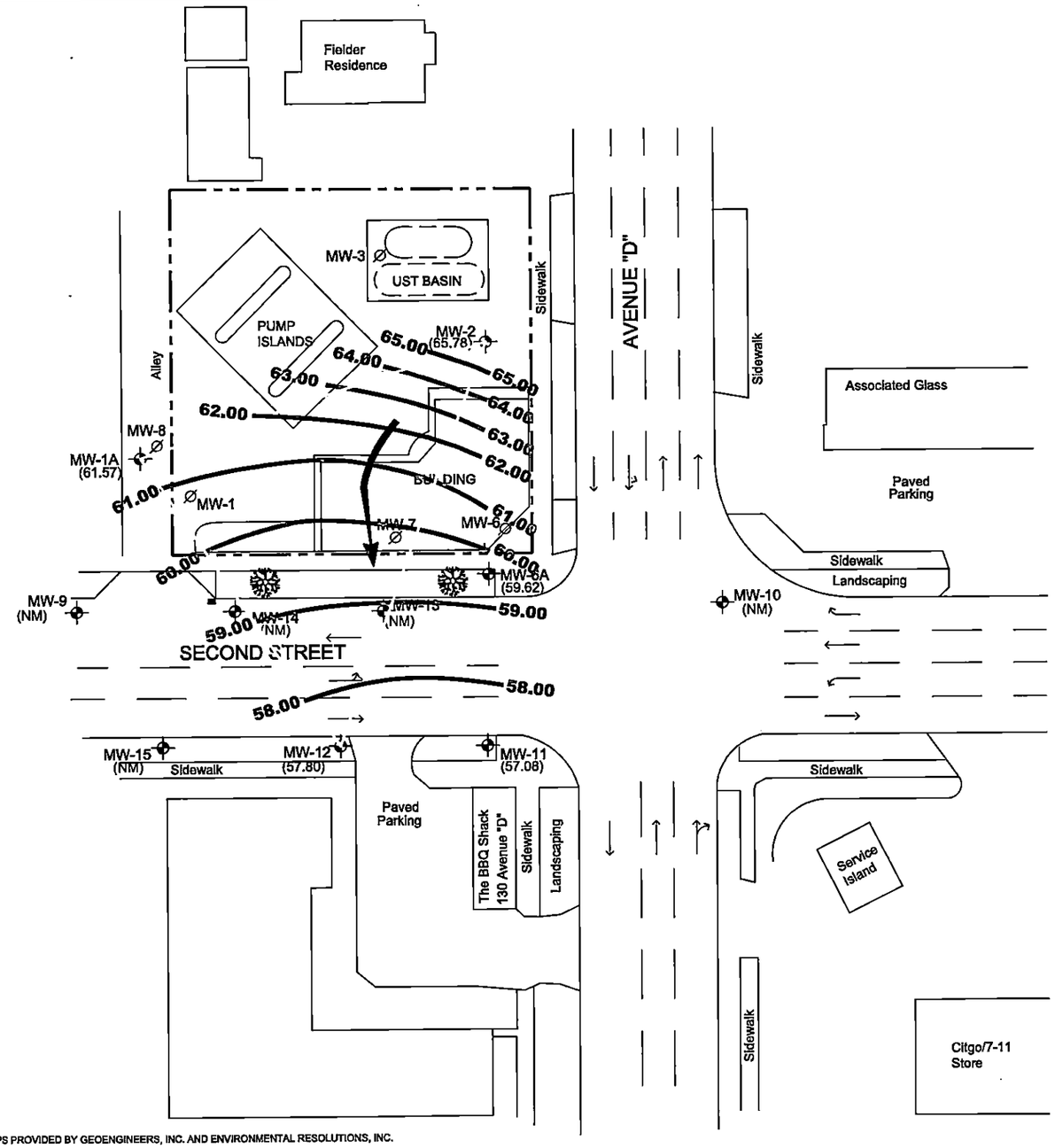
Principal Geologist

ATTACHMENTS

Figure 1	Site Plan with Groundwater Elevations (December 7, 2009)
Figure 2	Site Plan with Analytical Results (December 7, 2009)
Table 1	Cumulative Summary of Groundwater Elevations and Sample Analytical Results
Appendix A	Field and Laboratory Procedures
Appendix B	Field Data Sheets
Appendix C	Certified Laboratory Analytical Report and Chain-of-Custody Documentation

FIGURES



LEGEND

- SITE BOUNDARY
- MW-1A — MONITORING WELL LOCATION AND ID
- UST — UNDERGROUND STORAGE TANK
- MW-1 ∅ — DESTROYED MONITORING WELL AND ID

GROUNDWATER

- (61.57) — GROUNDWATER ELEVATION (FEET)
- INFERRED GROUNDWATER FLOW DIRECTION
- 62.00 — GROUNDWATER ELEVATION CONTOUR (FEET)
- (NM) — NOT MONITORED / NOT MEASURED

NOTES:

1). ALL LOCATIONS ARE APPROXIMATE.
2). CONTOUR INTERVAL = 1.0 FT
2). GRADIENT = 0.07 FT/FT

BASED ON MAPS PROVIDED BY GEOENGINEERS, INC. AND ENVIRONMENTAL RESOLUTIONS, INC.

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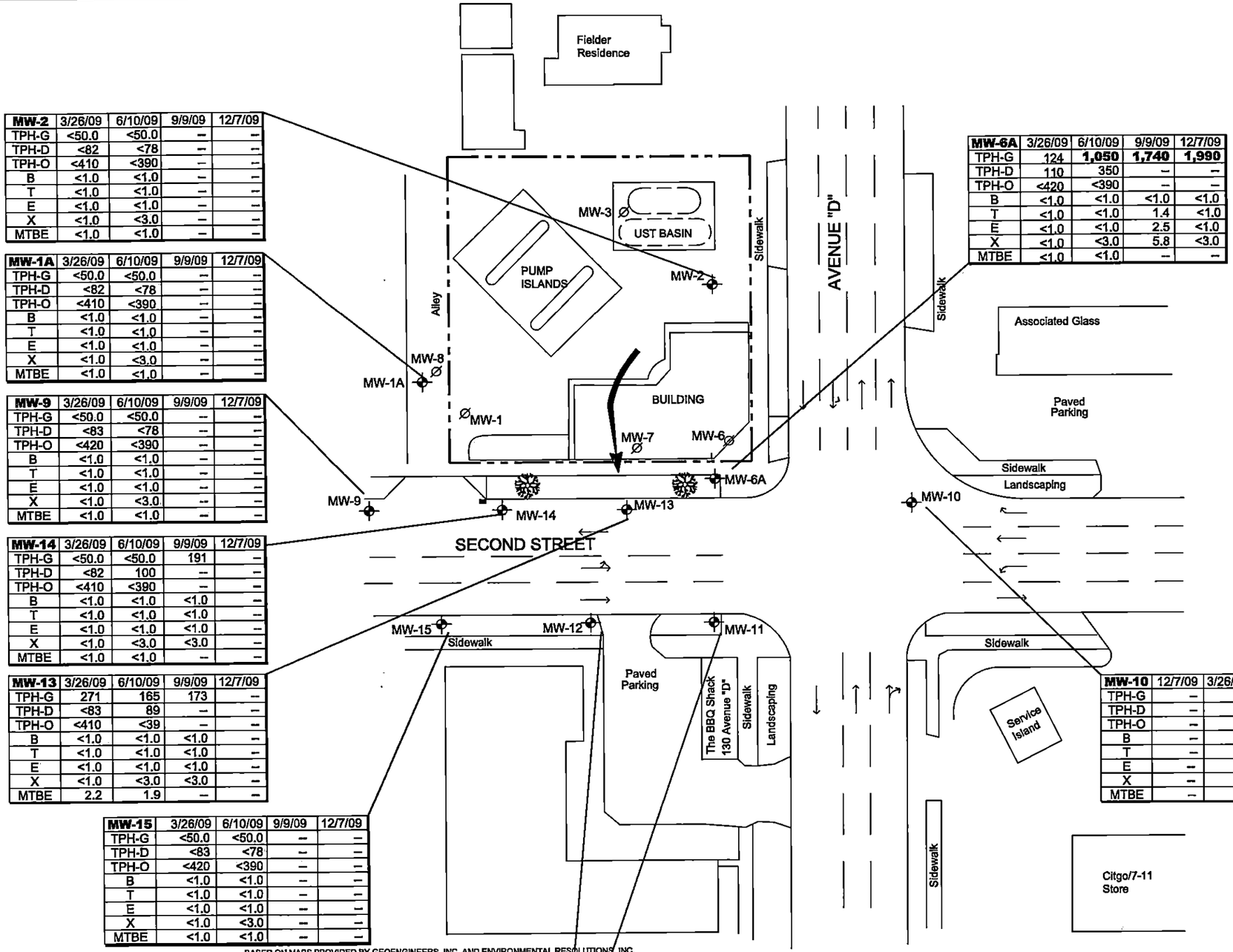
FOR: ConocoPhillips
FACILITY NO. 254165 (RM&R 1234)
202 AVENUE D
SNOHOMISH, WASHINGTON

SITE PLAN WITH GROUNDWATER ELEVATIONS (DECEMBER 7, 2009)

FIGURE: 1

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
212301492 (1234)	DJH	TP	CG	12/16/09

FILEPATH:K:\1-CLIENTS\ConocoPhillips\01CP\01234-Snohomish(4165)\4Q09\212301492 - 4165 4Q09.dwg|dheller|Dec 18, 2009 at 12:51|Layout: F1-GWE



MW-2	3/26/09	6/10/09	9/9/09	12/7/09
TPH-G	<50.0	<50.0	–	–
TPH-D	<82	<78	–	–
TPH-O	<410	<390	–	–
B	<1.0	<1.0	–	–
T	<1.0	<1.0	–	–
E	<1.0	<1.0	–	–
X	<1.0	<3.0	–	–
MTBE	<1.0	<1.0	–	–

MW-1A	3/26/09	6/10/09	9/9/09	12/7/09
TPH-G	<50.0	<50.0	–	–
TPH-D	<82	<78	–	–
TPH-O	<410	<390	–	–
B	<1.0	<1.0	–	–
T	<1.0	<1.0	–	–
E	<1.0	<1.0	–	–
X	<1.0	<3.0	–	–
MTBE	<1.0	<1.0	–	–

MW-9	3/26/09	6/10/09	9/9/09	12/7/09
TPH-G	<50.0	<50.0	–	–
TPH-D	<83	<78	–	–
TPH-O	<420	<390	–	–
B	<1.0	<1.0	–	–
T	<1.0	<1.0	–	–
E	<1.0	<1.0	–	–
X	<1.0	<3.0	–	–
MTBE	<1.0	<1.0	–	–

MW-14	3/26/09	6/10/09	9/9/09	12/7/09
TPH-G	<50.0	<50.0	191	–
TPH-D	<82	100	–	–
TPH-O	<410	<390	–	–
B	<1.0	<1.0	<1.0	–
T	<1.0	<1.0	<1.0	–
E	<1.0	<1.0	<1.0	–
X	<1.0	<3.0	<3.0	–
MTBE	<1.0	<1.0	–	–

MW-13	3/26/09	6/10/09	9/9/09	12/7/09
TPH-G	271	165	173	–
TPH-D	<83	89	–	–
TPH-O	<410	<39	–	–
B	<1.0	<1.0	<1.0	–
T	<1.0	<1.0	<1.0	–
E	<1.0	<1.0	<1.0	–
X	<1.0	<3.0	<3.0	–
MTBE	2.2	1.9	–	–

MW-15	3/26/09	6/10/09	9/9/09	12/7/09
TPH-G	<50.0	<50.0	–	–
TPH-D	<83	<78	–	–
TPH-O	<420	<390	–	–
B	<1.0	<1.0	–	–
T	<1.0	<1.0	–	–
E	<1.0	<1.0	–	–
X	<1.0	<3.0	–	–
MTBE	<1.0	<1.0	–	–

MW-6A	3/26/09	6/10/09	9/9/09	12/7/09
TPH-G	124	**1,050**	**1,740**	**1,990**
TPH-D	110	350	–	–
TPH-O	<420	<390	–	–
B	<1.0	<1.0	<1.0	<1.0
T	<1.0	<1.0	1.4	<1.0
E	<1.0	<1.0	2.5	<1.0
X	<1.0	<3.0	5.8	<3.0
MTBE	<1.0	<1.0	–	–

MW-10	12/7/09	3/26/09	6/10/09	9/9/09
TPH-G	–	–	–	–
TPH-D	–	–	–	–
TPH-O	–	–	–	–
B	–	–	–	–
T	–	–	–	–
E	–	–	–	–
X	–	–	–	–
MTBE	–	–	–	–

MW-12	3/26/09	6/10/09	9/9/09	12/7/09
TPH-G	<50.0	514	709	938
TPH-D	<82	170	–	–
TPH-O	<410	<380	–	–
B	<1.0	<1.0	<1.0	<1.0
T	<1.0	<1.0	<1.0	<1.0
E	<1.0	1.3	<1.0	2.6
X	<1.0	<3.0	<3.0	<3.0
MTBE	<1.0	<1.0	–	–

MW-11	3/26/09	6/10/09	9/9/09	12/7/09
TPH-G	<50.0	321	224	119
TPH-D	<82	94	–	–
TPH-O	<410	<390	–	–
B	<1.0	**5.9**	1.1	**8.5**
T	<1.0	<1.0	<1.0	<1.0
E	<1.0	<1.0	<1.0	<1.0
X	<1.0	<3.0	<3.0	<3.0
MTBE	<1.0	<1.0	–	–

BASED ON MAPS PROVIDED BY GEOENGINEERS, INC. AND ENVIRONMENTAL RESOLUTIONS, INC.

LEGEND

- SITE BOUNDARY
- MW-1A ⊕ MONITORING WELL LOCATION AND ID
- UST UNDERGROUND STORAGE TANK
- MW-1 ∅ DESTROYED MONITORING WELL AND ID
- INFERRED GROUNDWATER FLOW DIRECTION

ANALYTES

WELL ID	
TPH-G	GASOLINE RANGE HYDROCARBONS
TPH-D	DIESEL RANGE HYDROCARBONS
TPH-O	HEAVY OIL RANGE HYDROCARBONS
B	BENZENE
T	TOLUENE
E	ETHYL BENZENE
X	TOTAL XYLENES
MTBE	METHYL TERT-BUTYL ETHER

UNITS IN MICROGRAMS PER LITER (µg/L)

< LESS THAN LABORATORY REPORING LIMITS

BOLD ANALYTES DETECTED ABOVE THE METHOD "A" CLEANUP LEVEL

– NOT ANALYZED OR NOT APPLICABLE

NOTES:

1). ALL LOCATIONS ARE APPROXIMATE

N

0 30 60

APPROXIMATE SCALE (FEET)

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FOR: ConocoPhillips
FACILITY NO. 254165 (RM&R 1234)
202 AVENUE D
SNOHOMISH, WASHINHTON

SITE PLAN WITH ANALYTICAL RESULTS (DECEMBER 7, 2009)

FIGURE: **2**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
212301492 (1234)	DJH	TP	CG	12/16/09

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TABLE

TABLE 1

CUMULATIVE GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

ConocoPhillips Facility No. 254165 (RM&R #01234)

202 Avenue D

Snohomish, Washington

Well ID TOC Elevation	Sample Date	Elevation Data (feet)				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals							
		Top of Casing Elevation	DTW	LPH Thickness	GW Elevation	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Dissolved Lead (µg/L)	Total Lead (µg/L)	Ferrous Iron (µg/L)	Alkalinity (µg/L)	Nitrate (µg/L)	Nitrite (µg/L)	Sulfate (µg/L)
MW-1A	04/04/02	69.32	7.21	--	62.11	73.6	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	3,200	61,600	686	--	47,800
69.32	07/02/02	69.32	9.30	--	60.02	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	0	42,400	<200	--	54,500
	10/02/02	69.32	11.67	--	57.65	<100	<250	<500	<0.500	<2.00	<1.00	<1.50	--	--	--	--	--	0	103,000	<200	--	50,300
	01/14/03	69.32	7.75	--	61.57	90.5	<250	<500	0.650	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--
	04/28/03	69.32	7.85	--	61.47	59.2	<250	<500	1.54	<0.500	<0.500	<1.00	--	--	--	--	--	500	64,800	300	--	30,400
	07/11/03	69.32	10.31	--	59.01	<50.0	<261	<562[b]	<0.500	0.702	0.517	1.74	--	--	--	--	--	--	--	--	--	--
	12/17/03	69.32	7.44	0.00	61.88	<100	<129	<259	0.339	<0.5	<0.5	<1	--	--	--	--	--	--	64,000	406	--	40,900
	03/31/04	69.32	8.28	0.00	61.04	<100	<119	<237	<1	<1	<1	<2	--	--	--	--	--	--	62,000	1,010	--	30,400
	08/19/04	69.32	10.89	0.00	58.43	<100	<264	<527[b]	<1	<1	<1	<2	--	--	--	--	--	--	68,000	800	--	35,700
	03/21/05	69.32	9.22	0.00	60.10	266	<248	<496	<1	<1	<1	<2	--	--	--	--	--	--	61,900	1,410	--	32,600
	06/28/05	69.32	8.86	0.00	60.46	<100	<259	<517[b]	<1	<1	<1	<2	--	--	--	--	--	--	--	1,200	--	28,300
	09/15/05	69.32	10.67	0.00	58.65	<48	<160	<200	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	76,200	160	--	24,000
	12/08/05	--	--	--	--	<48	<78	<97	<0.5	<0.7	<0.8	<0.6	--	--	--	--	--	--	76,700	1,200	--	41,900
	03/10/06	--	--	--	--	<48	<79	<99	<0.5	<0.7	<0.8	<0.6	--	--	--	--	--	--	62,600	9,400	--	42,600
	06/08/06	69.32	8.92	0.00	60.40	<48	<82	<100	<0.5	<0.7	<0.8	<0.6	--	--	--	--	--	--	--	--	--	--
	09/05/06	69.32	11.05	0.00	58.27	<48	<78	<98	<0.5	<0.7	<0.8	<0.6	--	--	--	--	--	--	75,800	540	--	40,900
	12/19/06	69.32	6.75	0.00	62.57	<48	<80	<100	<0.5	<0.7	<0.8	<0.6	--	--	--	--	--	--	67,400	10,500	--	65,100
	03/20/07	69.32	7.39	0.00	61.93	<48	<79	145	<0.5	<0.7	<0.8	<0.6	--	--	--	--	--	--	63,200	3,970	--	24,600
	06/28/07	69.32	9.79	0.00	59.53	<50	<79	<99	<0.5	<0.7	<0.8	<0.6	--	--	--	--	--	--	61,800	1,200	--	18,700
	09/25/07	69.32	11.04	0.00	58.28	<50	<79	120	<0.5	<0.7	<0.8	<0.6	--	--	--	--	--	--	69,000	480	--	22,300
	12/10/07	69.32	7.44	0.00	61.88	<50	<78	<95	<0.5	<0.7	<0.8	<0.6	--	--	--	--	--	--	64,100	10,300	<15	244,000
	03/10/08	69.32	8.70	0.00	60.62	<50	<75	<94	<0.5	<0.7	<0.8	<0.6	<0.5	--	--	--	--	--	63,700	3,300	<15	--
	06/16/08	69.32	8.44	0.00	60.88	<50	<76	<95	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
	09/22/08	69.32	10.80	0.00	58.52	<50	<76	<95	<0.5	<0.7	<0.8	<0.6	--	--	--	--	--	--	--	--	--	--
	12/08/08	69.32	Removed from sampling schedule 4Q08.			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/26/09	69.32	7.69	0.00	61.43	<50.0	<82	<410	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
	06/10/09	69.32	9.47	0.00	59.85	<50.0	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<0.10	<1.0	<1.0	<1.0	--	--	--	--	--
	09/09/09	69.32	10.91	0.00	58.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/09	69.32	7.75	0.00	61.57	Gauge only this quarter.																
MW-2	01/08/99	69.80	4.90	--	64.90	1,510	314	<750[b]	20.7	<2.75	<2.50	<5.00	--	--	--	--	--	--	--	--	--	--
69.80	04/28/99	69.80	4.91	--	64.89	1,180	324	<750[b]	16.1	<1.60	<1.32	<3.30	--	--	--	--	--	--	--	--	--	--
	07/23/99	69.80	6.29	--	63.51	805	368	<750[b]	12.3	<1.50	<0.500	<4.00	--	--	--	--	--	--	--	--	--	--
	10/25/99	69.80	8.64	--	61.16	2,100	250	<750[b]	<0.700	<19.6	<0.700	<1.90	--	--	--	--	--	--	--	--	--	--
	01/08/00	69.80	4.72	--	65.08	1,530	<250	<750[b]	22.2	<2.27	<2.43	<6.44	--	--	--	--	--	--	--	--	--	--
	04/19/00	69.80	5.48	--	64.32	1,210	257	<718[b]	<0.500	28.5	<2.55	<4.22	--	--	--	--	--	--	--	--	--	--
	07/12/00	69.80	7.55	--	62.25	888	653	<750[b]	<1.25	4.75	<1.25	<2.50	--	--	--	--	--	--	--	--	--	--
	09/06/00	69.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/00	69.80	8.68	--	60.92	1,110	<358	<1,070[b]	42.3	<4.13	<2.08	<5.00	--	--	--	--	--	--	--	--	--	--
	11/27/00	69.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/16/01	69.80	6.02	--	63.78	2,000	614	<918[b]	<2.50	29.1	<2.50	<5.00	--	--	--	--	--	--	--	--	--	--
	04/04/01	Unable to locate																				
	05/22/01	69.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/09/01	69.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/09/01	69.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/08/02	Obstructed by construction																				
	04/04/02	69.80	3.47	--	66.33	159	<250	<500	16.3	1.25	<0.500	2.57	--	--	--	--	--	--	--	--	--	--
	07/02/02	69.80	5.49	--	64.31	387	273	<500	23.4	<0.500	<0.500	<1.00	--	--	--	--	--	3,400	148,000	<200	--	29,600
	10/02/02	69.80	7.88	--	61.92	505	<250	<500	22.8	<2.00	<1.00	<1.50	--	--	--	--	--	3,400	150,000	<200	--	41,600

TABLE 1
CUMULATIVE GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 254165 (RM&R #01234)
202 Avenue D
Snohomish, Washington

Well ID TOC Elevation	Sample Date	Elevation Data (feet)				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals						
		Top of Casing Elevation	DTW	LPH Thickness	GW Elevation	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Dissolved Lead (µg/L)	Total Lead (µg/L)	Ferrous Iron (µg/L)	Alkalinity (µg/L)	Nitrate (µg/L)	Nitrite (µg/L)	Sulfate (µg/L)
MW-2	01/14/03	69.80	3.27	--	66.53	681	<250	<500	8.10	<0.500	0.515	2.49	--	--	--	--	--	--	--	--	--	--
	04/28/03	69.80	4.05	--	65.75	269	<250	<500	3.51	<0.500	<0.500	1.45	--	--	--	--	--	2,600	276,000	<200	--	26,800
	07/11/03	69.80	6.92	--	62.88	358	<291	<581[b]	5.64	0.557	0.792	3.04	--	--	--	--	--	--	--	--	--	--
	12/17/03	69.80	3.65	0.00	66.15	124	<129	<259	<0.25	<0.5	<0.5	<1.00	--	--	--	--	--	--	310,000	<15	--	23,000
	03/31/04	69.80	4.60	0.00	65.20	<100	123	<237	9.05	<1	<1	1.12	--	--	--	--	--	--	251,000	<15	--	23,000
	06/19/04	69.80	7.45	0.00	62.35	<100	<244	<488	<1	<1	<1	<2	--	--	--	--	--	--	208,000	200	--	8,710
	03/21/05	69.80	5.52	0.00	64.28	<100	<251	<502[b]	6.07	<1	<1	<2	--	--	--	--	--	--	205,000	<15	--	26,900
	06/28/05	69.80	5.26	0.00	64.54	<100	344	568	<1	<1	<1	<2	--	--	--	--	--	--	--	<15	--	20,600
	09/15/05	69.80	7.32	0.00	62.48	<48	<80	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	209,000	<40	--	19,100
	12/08/05	69.80	4.06	0.00	65.74	85	97	160	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	274,000	<40	--	19,400
	03/10/06	69.80	3.50	0.00	66.30	160	<79	100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	205,000	<40	--	262
	06/08/06	69.80	5.06	0.00	64.74	<48	<79	290	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--
	09/05/06	69.80	7.93	0.00	61.87	<48	<79	150	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	225,000	<40	--	12,900
	12/19/06	Obstructed by a parked vehicle																				
	03/20/07	69.80	3.33		66.47	68.5	<80	<100	1.64	<0.7	<0.8	<0.8	--	--	--	--	--	--	163,000	<40	--	26,700
	06/28/07	69.80	6.41		63.39	<50	<79	<98	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	193,000	<40	--	25,900
	09/25/07	69.80	7.79		62.01	<50	<79	<98	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	200,000	<40	--	12,300
	12/10/07	69.80	3.75		66.05	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	200,000	<2,000	<15	43,700
	03/10/08	69.80	4.76	0.00	65.04	Not sampled because well was inaccesible due to a parked car.																
	06/16/08	69.80	4.45	0.00	65.35	<50	<76	<95	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
	09/22/08	69.80	7.56	0.00	62.24	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--
	12/08/08	69.80	Removed from sampling schedule 4Q08																			
	03/26/09	69.80	3.61	0.00	66.19	<50.0	<82	<410	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
	06/10/09	69.80	6.33	0.00	63.47	<50.0	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<0.01	<1.0	<1.0	<1.0	--	--	--	--	--
	09/09/09	69.80	7.84	0.00	61.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/09	69.80	4.02	0.00	65.78	Gauge only this quarter.							--	--	--	--	--	--	--	--	--	--
MW-6A	04/04/02	67.65	8.25	--	59.40	2,570	685	<500	2.99	3.18	2.25	7.27	--	--	--	--	--	--	--	--	--	--
67.65	07/02/02	67.65	8.98	--	58.67	3,000	613	<500	4.70	4.51	3.42	9.81	--	--	--	--	--	--	--	--	--	--
	10/02/02	67.65	10.48	--	57.17	2,970	384	<500	32.4	6.36	8.44	9.75	--	--	--	--	--	--	--	--	--	--
	01/14/03	67.65	9.88	--	57.77	1,680	<250	<500	6.69	2.24	1.60	13.4	--	--	--	--	--	--	--	--	--	--
	04/28/03	67.65	9.20	--	58.45	1,720	288	<562[b]	1.65	2.20	2.99	12.6	--	--	--	--	--	2,800	203,000	<200	--	12,100
	07/11/03	67.65	8.48	--	59.17	1,470	<281	<562[b]	2.13	2.45	3.23	6.92	--	--	--	--	--	--	--	--	--	--
	12/17/03	67.65	9.45	0.00	58.20	2,380	457	<265	0.875	1.75	0.941	<1	--	--	--	--	--	--	87,000	442	--	39,600
	03/31/04	67.65	8.97	0.00	58.68	1,810	682	<247	<5	<5	<5	<10	--	--	--	--	--	--	230,000	<15	--	5,560
	06/19/04	67.65	9.22	0.00	58.43	988	347	<478	<1	<1	<1	<2	--	--	--	--	--	--	205,000	200	--	9,480
	03/21/05	67.65	9.45	0.00	58.20	1,610	349	<501[b]	<0.5	4.58	4.95	4.71	--	--	--	--	--	--	201,000	<15	--	11,300
	06/28/05	67.65	9.02	0.00	58.63	1,710	533	<490	<1	1.3	<1	<2	--	--	--	--	--	--	--	<15	--	3,620
	09/15/05	67.65	10.67	0.00	56.98	570	220	120	<0.5	0.9	0.9	<0.8	--	--	--	--	--	--	178,000	<40	--	14,000
	12/08/05	67.65	9.61	0.00	58.04	920	2,805	170	<0.5	0.9	<0.8	<0.8	--	--	--	--	--	--	225,000	<40	--	7,400
	03/10/06	67.65	9.65	0.00	58.00	1,200	180	<100	<0.5	0.8	<0.8	<0.8	--	--	--	--	--	--	210,000	<40	--	9,700
	06/08/06	67.65	9.92	0.00	57.73	1,300	210	260	<0.5	0.9	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--
	09/05/06	67.65	10.46	0.00	57.19	500	140	130	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	163,000	<40	--	16,100
	12/19/06	67.65	8.21	Sheen	59.44	2,200	910	350	0.6	2.0	<0.8	<0.8	--	--	--	--	--	--	230,000	<40	--	6,400
	03/20/07	67.65	7.79	0.00	59.86	1,380	332	<100	<0.5	0.855	<0.8	<0.8	--	--	--	--	--	--	216,000	<100	--	16,900
	06/28/07	67.65	8.79	0.00	58.86	620	210	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	165,000	<40	--	18,000
	09/25/07	67.65	10.21	0.00	57.44	960	350	120	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	156,000	<40	--	16,800
	12/10/07	67.65	8.46	0.00	59.19	1,700	280	<94	<0.5	1	<0.8	<0.8	--	--	--	--	--	--	220,000	<2,000	<15	8,200
	03/10/08	67.65	9.65	0.00	58.00	1,000	130	<95	<0.5	0.9	<0.8	<0.8	<0.5	--	--	--	--	--	218,000	<2,000	<15	--
	06/16/08	67.65	8.44	0.00	59.21	840	140	<95	<0.5	1	0.7	<0.5	--	--	--	--	--	--	--	--	--	--
	09/22/08	67.65	9.87	0.00	57.78	1,600	96	<95	<0.5	1	0.9	<0.8	--	--	--	--	--	--	--	--	--	--
	12/08/08	67.65	9.50	0.00	58.15	1,800	130	<69	<0.5	1	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--

TABLE 1

CUMULATIVE GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

ConocoPhillips Facility No. 254165 (RM&R #01234)

202 Avenue D

Snohomish, Washington

Well ID TOC Elevation	Sample Date	Elevation Data (feet)				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals							
		Top of Casing Elevation	DTW	LPH Thickness	GW Elevation	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Dissolved Lead (µg/L)	Total Lead (µg/L)	Ferrous Iron (µg/L)	Alkalinity (µg/L)	Nitrate (µg/L)	Nitrite (µg/L)	Sulfate (µg/L)
	03/26/99	67.65	7.90	0.00	59.75	124	110	<420	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
	06/10/99	67.65	8.32	0.00	59.33	1,050	350	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<0.01	<1.0	<1.0	<1.0	--	--	--	--	--
	09/09/99	67.65	10.32	0.00	57.33	1,740	--	--	<1.0	1.4	2.5	5.8	--	--	--	--	--	--	--	--	--	--
	12/07/99	67.65	8.03	0.00	59.62	1,990	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--
MW-9	01/06/99	68.66	8.50	--	62.16	<50.0	<250	<750[a]	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--
67.77	04/28/99	68.66	7.28	--	61.38	<50.0	<250	<750[a]	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--
	07/23/99	68.66	7.97	--	60.69	<50.0	<250	<750[a]	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--
	10/25/99	68.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/08/00	68.66	6.76	--	61.90	<50.0	<250	<750[a]	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--
	04/19/00	68.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/12/00	68.66	8.65	--	60.01	<50.0	<249	<745[b]	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--
	09/06/00	68.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/00	68.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	68.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/16/01	68.66	8.08	--	60.58	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--
	04/04/01	68.66	7.78	--	60.88	<50.0	<250	<750[b]	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--
	05/22/01	68.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/09/01	68.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/09/01	68.66	9.70	--	58.96	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	0.0	33,000	3,050	--	13,500
	01/08/02	68.66	6.16	--	62.50	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	0.0	32,600	1,780	--	13,100
	04/04/02	68.66	6.54	--	62.12	<50.0	<250	<500	<0.500	0.593	<0.500	<1.00	--	--	--	--	--	0.0	29,800	2,490	--	12,600
	07/02/02	68.66	8.49	--	60.17	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	0.0	29,600	2,020	--	11,200
	10/02/02	68.66	10.13	--	58.53	144	<250	<500	3.15	<2.00	7.22	2.25	--	--	--	--	--	0.0	32,400	2,490	--	10,400
	01/14/03	68.66	7.28	--	61.38	<50.0	<284	<568[b]	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--
	04/28/03	68.66	6.93	--	61.73	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	0.0	33,400	1,280	--	17,300
	07/11/03	68.66	8.91	--	59.75	<50.0	<329	<658[b]	<0.500	<0.500	<0.500	1.20	--	--	--	--	--	--	--	--	--	--
	12/23/03	68.66	6.81	0.00	61.85	<100	<126	<253	<0.25	<0.5	<0.5	<1	--	--	--	--	--	--	32,000	2,710	--	14,400
	03/31/04	68.66	7.34	0.00	61.32	<100	<118	<237	<1	<1	<1	<2	--	--	--	--	--	--	30,000	1,880	--	14,900
	08/19/04	68.66	9.53	0.00	59.13	<100	<256	<512[b]	<1	<1	<1	<2	--	--	--	--	--	--	29,000	2,500	--	13,200
	03/21/05	67.77	8.11	0.00	59.66	<100	<247	<494	<1	<1	<1	<2	--	--	--	--	--	--	32,500	1,920	--	14,300
	06/28/05	67.77	7.82	0.00	59.95	<100	<258	<516[b]	<1	<1	<1	<2	--	--	--	--	--	--	--	1,790	--	15,100
	09/15/05	67.77	9.54	0.00	58.23	<48	<77	260	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	29,800	2,300	--	13,400
	12/08/05	67.77	7.42	0.00	60.35	<48	170	470	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	31,400	2,400	--	13,600
	03/10/06	67.77	6.53	0.00	61.24	<48	<78	100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	34,400	3,900	--	14,600
	06/08/06	67.77	7.80	0.00	59.97	<48	<80	180	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--
	09/05/06	67.77	9.78	0.00	57.99	<48	<78	330	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	32,800	3,100	--	15,300
	12/19/06	67.77	5.98	0.00	61.79	<48	<77	300	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	37,100	4,500	--	15,900
	03/20/07	67.77	6.73	0.00	61.04	<48	<79	170	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	35,600	3,290	--	16,200
	06/26/07	67.77	8.65	0.00	59.12	<50	<79	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	32,900	3,000	--	18,000
	09/25/07	67.77	9.65	0.00	58.12	<50	110	760	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	31,700	2,600	--	16,900
	12/10/07	67.77	6.52	0.00	61.25	<50	<79	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	30,800	<2,000	<15	17,700
	03/10/08	67.77	7.55	0.00	60.22	<50	<78	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	38,200	<2,000	<15	--
	06/16/08	67.77	7.40	0.00	60.37	<50	<78	<95	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
	09/22/08	67.77	9.60	0.00	58.17	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--
	12/08/08	67.77	Removed from sampling schedule 4Q08.					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/26/09	67.77	7.43	0.00	60.34	<50.0	<83	<420	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
	06/10/09	67.77	8.12	0.00	59.65	<50.0	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<0.010	<1.0	<1.0	<1.0	--	--	--	--	--
	09/09/09	67.77	Removed from sampling schedule 3Q09					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/09	67.77	Removed from sampling schedule 4Q09					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1

CUMULATIVE GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

ConocoPhillips Facility No. 254165 (RM&R #01234)

202 Avenue D

Snohomish, Washington

Well ID TOC Elevation	Sample Date	Elevation Data (feet)				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals							
		Top of Casing Elevation	DTW	LPH Thickness	GW Elevation	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Dissolved Lead (µg/L)	Total Lead (µg/L)	Ferrous Iron (µg/L)	Alkalinity (µg/L)	Nitrate (µg/L)	Nitrite (µg/L)	Sulfate (µg/L)
MW-19	01/08/99	67.33	4.91	--	62.42	331	268	<750[b]	2.30	<0.500	<1.50	<2.50	--	--	--	--	--	--	--	--	--	--
67.33	04/28/99	67.33	5.04	--	62.29	280	<250	<750[b]	2.99	<0.800	<1.10	<3.00	--	--	--	--	--	--	--	--	--	--
	07/23/99	67.33	5.44	--	61.89	529	<250	<750[b]	2.34	<2.60	2.61	9.37	--	--	--	--	--	--	--	--	--	--
	10/25/99	67.33	7.00	--	60.33	519	251	<750[b]	<0.800	<5.65	<2.75	<8.65	--	--	--	--	--	--	--	--	--	--
	01/08/00	67.33	4.64	--	62.69	504	<250	<750[b]	<1.22	<0.828	<3.27	<7.59	--	--	--	--	--	--	--	--	--	--
	04/19/00	67.33	5.02	--	62.31	332	<250	<750[b]	<0.610	<4.43	<2.84	<6.91	--	--	--	--	--	--	--	--	--	--
	07/12/00	67.33	8.27	--	59.06	498	<250	<750[b]	<0.500	4.02	<3.52	<7.18	--	--	--	--	--	--	--	--	--	--
	09/06/00	67.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/18/00	67.33	7.41	--	59.92	770	616	<1,330[b]	<4.17	<3.47	<2.69	<8.05	--	--	--	--	--	--	--	--	--	--
	11/27/00	67.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/16/01	67.33	4.39	--	62.94	209	299	<859[b]	<0.500	2.33	0.980	2.65	--	--	--	--	--	--	--	--	--	--
	04/04/01	67.33	5.00	--	62.33	198	<250	<750[b]	<0.500	<0.500	1.03	2.71	--	--	--	--	--	--	--	--	--	--
	05/22/01	67.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/09/01	67.33	6.03	--	61.30	311	334	<859[b]	<0.500	1.97	0.949	1.07	--	--	--	--	--	--	--	--	--	--
	10/09/01	67.33	7.15	--	60.18	675	291	<581[b]	2.16	0.676	0.777	4.67	--	--	--	--	--	4,600	132,000	<100	--	19,400
	01/08/02	67.33	4.61	--	62.72	258	675	<500	0.837	0.722	1.46	2.71	--	--	--	--	--	4,200	166,000	<100	--	13,500
	04/04/02	67.33	4.48	--	62.85	208	392	<500	<0.500	<0.500	<0.500	1.33	--	--	--	--	--	2,000	170,000	<200	--	13,200
	07/02/02	67.33	6.00	--	61.33	201	250	<500	0.552	<0.500	<0.500	1.16	--	--	--	--	--	2,200	133,000	<200	--	20,300
	10/02/02	67.33	7.96	--	59.37	811	326	<500	3.90	<2.00	4.12	4.63	--	--	--	--	--	2,200	129,000	<200	--	21,300
	01/14/03	67.33	4.25	--	63.08	280	<309	<617[b]	0.549	0.844	<0.500	1.78	--	--	--	--	--	--	--	--	--	--
	04/28/03	67.33	4.71	--	62.62	270	<250	<500	0.842	<0.500	<0.500	2.29	--	--	--	--	--	2,400	182,000	<200	--	15,700
	07/11/03	67.33	6.40	--	60.93	546	<284	<568[b]	0.929	<0.500	3.19	4.18	--	--	--	--	--	--	--	--	--	--
	12/17/03	Inaccessible; buried under gravel from recent road construction																				
	03/31/04	67.33	4.28	0.00	63.05	390	308	<237	<1	<1	<1	<2	--	--	--	--	--	--	141,000	<15	--	17,800
	06/19/04	67.33	6.84	0.00	60.49	244	<251	<501[b]	<1	<1	<1	<2	--	--	--	--	--	--	127,000	200	--	22,700
	03/21/05	67.33	4.71	0.00	62.62	396	<247	<494	<1	<1	1.93	<2	--	--	--	--	--	--	154,000	<15	--	15,100
	06/28/05	67.33	4.77	0.00	62.56	824	748	<504[a]	<1	<1	<1	<2	--	--	--	--	--	--	--	<15	--	16,600
	09/15/05	67.33	7.03	0.00	60.30	290	110	120	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	110,000	<40	--	19,800
	12/08/05	67.33	4.23	0.00	63.10	540	<82	<100	<0.5	<0.7	6.0	2.0	--	--	--	--	--	--	137,000	<40	--	21,500
	03/10/06	67.33	3.41	0.00	63.92	3,100	290	220	<0.5	<0.7	9.0	8.0	--	--	--	--	--	--	119,000	<100	--	17,400
	06/08/06	67.33	4.83	0.00	62.50	290	<79	120	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--
	09/05/06	67.33	7.51	0.00	59.82	290	100	130	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	111,000	<40	--	20,400
	12/19/06	67.33	2.57	0.00	64.76	2,600	390	470	0.6	<0.7	11.0	8.0	--	--	--	--	--	--	161,000	<40	--	25,100
	03/20/07	67.33	3.04	0.00	64.29	4,144	665	162	0.527	<0.7	25.0	16.1	--	--	--	--	--	--	117,000	1,740	--	6,940
	06/28/07	67.33	5.18	0.00	62.15	1,700	430	<97	<0.5	<0.7	5	3	--	--	--	--	--	--	137,000	<40	--	12,000
	09/25/07	67.33	7.43	0.04	59.93	Not sampled due to presence of LPH																
	12/10/07	67.33	4.22	0.00	63.11	4,800	2,800	<970[a]	<0.5	<0.7	11	8	--	--	--	--	--	--	136,000	<2,000	<15	21,100
	03/10/08	67.33	Not sampled due to dangerous traffic location.																			
	06/16/08	67.33	Not sampled due to dangerous traffic location.																			
	09/22/08	67.33	6.35	0.00	60.98	1,200	62	<95	<0.5	<0.7	3	3	--	--	--	--	--	--	--	--	--	--
	12/08/08	67.33	Removed from sampling schedule 4Q08																			
	03/26/09	67.33	Not sampled due to dangerous traffic location.																			
	06/10/09	67.33	Removed from sampling schedule 2Q09																			
	09/09/09	67.33	Removed from sampling schedule 3Q09			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/09	67.33	Removed from sampling schedule 4Q09			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1

CUMULATIVE GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

ConocoPhillips Facility No. 254165 (RM&R #01234)

202 Avenue D

Snohomish, Washington

Well ID TOC Elevation	Sample Date	Elevation Data (feet)				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals							
		Top of Casing Elevation	DTW	LPH Thickness	GW Elevation	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Dissolved Lead (µg/L)	Total Lead (µg/L)	Ferrous Iron (µg/L)	Alkalinity (µg/L)	Nitrate (µg/L)	Nitrite (µg/L)	Sulfate (µg/L)
MW-11	01/08/99	68.37	9.32	--	57.05	371	--	--	141	4.95	10.8	6.68	--	--	--	--	--	--	--	--	--	--
68.37	04/28/99	68.37	9.58	--	58.79	782	<250	<750[b]	175	<11.0	28.1	29.9	--	--	--	--	--	--	--	--	--	--
	07/23/99	68.37	9.83	--	58.54	474	<250	<750[b]	43.7	<2.70	3.40	8.32	--	--	--	--	--	--	--	--	--	--
	10/25/99	68.37	10.69	--	55.68	845	<250	<750[b]	9.22	<2.90	<3.75	<6.20	--	--	--	--	--	--	--	--	--	--
	01/08/00	68.37	9.21	--	57.16	133	<250	<750[b]	22.5	<1.03	1.11	3.34	--	--	--	--	--	--	--	--	--	--
	04/19/00	68.37	9.52	--	56.85	869	<250	<750[b]	92.8	8.15	9.25	20.2	--	--	--	--	--	--	--	--	--	--
	07/12/00	68.37	10.10	--	56.27	581	387	<896[b]	25.6	2.32	<2.31	<7.94	--	--	--	--	--	--	--	--	--	--
	09/06/00	68.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/00	68.37	10.80	--	55.57	322	<250	<750[b]	<2.80	<0.640	<0.860	<4.20	--	--	--	--	--	--	--	--	--	--
	11/27/00	68.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/16/01	68.37	10.75	--	55.62	725	311	<866[b]	16.7	2.41	4.46	7.09	--	--	--	--	--	--	--	--	--	--
	04/04/01	68.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/22/01	68.37	9.69	--	58.68	385	--	--	15.8	2.37	2.47	4.37	--	--	--	--	--	--	--	--	--	--
	07/09/01	68.37	9.98	--	58.39	439	<310	<931[b]	39.6	2.63	1.72	3.71	--	--	--	--	--	--	--	--	--	--
	10/09/01	68.37	10.67	--	55.70	410	333	<500	6.04	1.08	1.74	4.40	--	--	--	--	--	--	--	--	--	--
	01/08/02	68.37	9.05	--	57.32	1,280	572	<500	184	10.6	35.7	21.9	--	--	--	--	--	3,200	158,000	<100	--	9,410
	04/04/02	68.37	5.67	--	60.70	757	366	<500	39.8	2.20	2.81	5.72	--	--	--	--	--	3,200	186,000	<100	--	6,550
	07/02/02	68.37	5.90	--	60.47	1,060	384	<500	107	8.73	24.2	15.5	--	--	--	--	--	5,400	203,000	<200	--	2,190
	10/02/02	68.37	10.94	--	55.43	785	<250	<500	13.9	<2.00	4.96	3.59	--	--	--	--	--	4,000	203,000	<200	--	2,630
	01/14/03	68.37	8.16	--	57.19	570	<305	<810[b]	19.3	1.12	1.96	3.82	--	--	--	--	--	4,000	169,000	<200	--	4,040
	04/28/03	68.37	9.25	--	57.12	1,100	<287	<575[b]	135	10.7	34.1	20.1	--	--	--	--	--	--	--	--	--	--	--
	07/31/03	68.37	10.19	--	58.18	684	<250	<500	29.7	3.20	10.0	9.17	--	--	--	--	--	4,000	208,000	<200	--	3,320
	12/17/03	68.37	8.35	0.00	58.02	673	215	<265	18.1	0.569	<0.5	<1	--	--	--	--	--	--	--	--	--	--
	03/31/04	68.37	8.70	0.00	57.67	409	<127	<253	83.9	5.02	10.4	5.39	--	--	--	--	--	--	170,000	<150	--	73,200
65.52	08/18/04	65.52	9.73	0.00	55.79	289	<240	<480	2.89	<1	<1	<2	--	--	--	--	--	--	218,000	<15	--	30,100
	03/21/05	65.52	9.10	0.00	56.42	564	<244	<486	38.8	4.18	9.48	7.34	--	--	--	--	--	--	167,000	200	--	10,600
	06/28/05	65.52	8.84	0.00	56.68	653	13,300	5,650	74.8	4.9	11.20	6.41	--	--	--	--	--	--	189,000	<15	--	34,800
	09/15/05	65.52	9.73	0.00	55.79	280	69	170	12.0	0.7	<0.8	1.0	--	--	--	--	--	--	--	<15	--	28,100
	12/08/05	65.52	8.60	0.00	56.92	480	130	230	0.6	<0.7	<0.8	0.9	--	--	--	--	--	--	150,000	<40	--	11,300
	03/10/06	65.52	8.18	0.00	57.34	1,600	420	<98	86	6.0	33	6.0	--	--	--	--	--	--	157,000	<40	--	114,000
	06/08/06	65.52	8.81	0.00	56.71	940	230	170	48	3.0	6.0	4.0	--	--	--	--	--	--	164,000	<40	--	31,500
	09/05/06	65.52	10.01	0.00	55.51	330	160	210	7.0	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--
	12/19/06	65.52	8.10	0.00	57.42	340	140	190	18.0	0.8	4.0	<0.8	--	--	--	--	--	--	157,000	<40	--	13,200
	03/20/07	65.52	8.20	0.00	57.32	158	372	291	18.2	0.774	3.38	<0.8	--	--	--	--	--	--	166,000	<40	--	33,800
	06/28/07	65.52	9.05	0.00	56.47	290	390	<97	6	<0.7	2	<0.8	--	--	--	--	--	--	159,000	<1,000	--	36,500
	09/25/07	65.52	9.89	0.00	55.63	110	360	300	1	<0.7	<0.8	<0.8	--	--	--	--	--	--	156,000	<40	--	13,200
	12/10/07	65.52	8.37	0.00	57.15	84	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	145,000	<40	--	11,000
	03/10/08	65.52	8.73	0.00	56.79	150	<76	<95	5	<0.7	1	<0.8	<0.5	--	--	--	--	--	124,000	<2,000	<15	76,200
	06/16/08	65.52	8.63	0.00	56.89	98	<76	<95	4	<0.5	<0.5	<0.5	--	--	--	--	--	--	144,000	<2,000	<15	--
	09/22/08	65.52	9.73	0.00	55.79	380	<75	<94	8	<0.7	1	<0.8	--	--	--	--	--	--	--	--	--	--
	12/08/08	65.52	8.65	0.00	56.87	<50	<29	<69	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--
	03/26/09	65.52	8.37	0.00	57.15	<50.0	<82	<410	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
	06/10/09	65.52	9.04	0.00	56.48	321	94	<390	5.9	<1.0	<1.0	<3.0	<1.0	<0.010	<1.0	<1.0	<1.0	--	--	--	--	--
	09/09/09	65.52	9.90	0.00	55.62	224	--	--	1.1	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--
	12/07/09	65.52	8.44	0.00	57.08	119	--	--	2.5	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--

TABLE 1

CUMULATIVE GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

ConocoPhillips Facility No. 254165 (RM&R #01234)

202 Avenue D

Snohomish, Washington

Well ID TOC Elevation	Sample Date	Elevation Data (feet)				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals							
		Top of Casing Elevation	DTW	LPH Thickness	GW Elevation	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Dissolved Lead (µg/L)	Total Lead (µg/L)	Ferrous Iron (µg/L)	Alkalinity (µg/L)	Nitrate (µg/L)	Nitrite (µg/L)	Sulfate (µg/L)
MW-12	01/08/99	66.40	8.74	--	57.66	2,670	--	--	21.1	<5.00	40.1	48.1	--	--	--	--	--	--	--	--	--	--
66.40	04/28/99	66.40	9.22	0.03	57.20	Not sampled due to presence of LPH																
	07/23/99	66.40	9.51	0.01	56.90	Not sampled due to presence of LPH																
	10/25/99	66.40	10.81	0.29	55.82	Not sampled due to presence of LPH																
	01/08/00	66.40	8.71	--	57.69	5,480	8,380	<8,250[b]	<15.8	<10.2	53.2	47.6	--	--	--	--	--	--	--	--	--	--
	04/19/00	66.40	8.97	--	57.43	5,980	3,060	<3,750[b]	<2.60	<21.5	66.6	<63.5	--	--	--	--	--	--	--	--	--	--
	07/12/00	66.40	--	0.20	--	Not sampled due to presence of LPH																
	09/06/00	66.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/00	66.40	--	0.25	--	Not sampled due to presence of LPH																
	11/27/00	66.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/16/01	66.40	9.44	--	56.96	5,360	20,100	<8,250[b]	<5.00	12.9	72.0	63.8	--	--	--	--	--	--	--	--	--	--
	04/06/01	66.40	9.16	--	57.24	15,900	6,950	2,280	17.8	9.04	219	131	--	--	--	--	--	--	--	--	--	--
	05/22/01	66.40	9.39	--	57.01	16,800	--	--	<10.0	10.3	307	142	--	--	--	--	--	--	--	--	--	--
	07/09/01	66.40	--	0.30	--	Not sampled due to presence of LPH																
	10/09/01	66.40	10.65	0.20	55.91	Not sampled due to presence of LPH																
	01/08/02	66.40	8.15	0.08	58.31	Not sampled due to presence of LPH																
	04/04/02	66.40	8.65	0.15	57.87	Not sampled due to presence of LPH																
	07/02/02	66.40	9.66	0.36	57.03	Not sampled due to presence of LPH																
	10/02/02	66.40	11.15	0.60	55.70	Not sampled due to presence of LPH																
	01/14/03	66.40	8.66	0.10	57.82	Not sampled due to presence of LPH																
	04/28/03	66.40	--	0.25	--	Not sampled due to presence of LPH																
	07/11/03	66.40	11.10	0.04	55.33	Not sampled due to presence of LPH																
	12/17/03	66.40	8.52	0.01	57.89	Not sampled due to presence of LPH																
	03/31/04	66.40	8.98	Sheen	57.42	23,400	17,600	2,200	<50	<50	<50	<100	--	--	--	--	--	--	129,000	<15	--	37,500
66.33	08/19/04	66.33	10.32	0.14	56.12	Not sampled due to presence of LPH																
	10/14/04	66.33	10.00	Sheen	56.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/21/05	66.33	9.30	0.01	57.04	Not sampled due to presence of LPH																
	06/28/05	66.33	8.96	Sheen	57.37	8,030	<252	<503[b]	<5	<5	30.20	<10	--	--	--	--	--	--	--	<75	--	51,200
	09/15/05	66.33	10.28	0.12	56.15	Not sampled due to presence of LPH																
	12/08/05	66.33	9.02	0.13	57.41	Not sampled due to presence of LPH																
	03/10/06	66.33	8.13	0.00	58.20	2,400	2,500	1,100	<0.5	<0.7	4.0	3.0	--	--	--	--	--	--	116,000	150	--	95,800
	06/08/06	66.33	9.00	0.00	57.33	9,300	930	420	1.0	2.0	20	4.0	--	--	--	--	--	--	--	--	--	--
	09/05/06	66.33	10.56	0.05	55.81	Not sampled due to presence of LPH																
	12/18/06	66.33	8.01	Sheen	60.32	7,390	1,400	580	<0.5	<0.7	4.0	<0.6	--	--	--	--	--	--	111,000	<40	--	65,900
	03/20/07	66.33	8.21	0.00	58.12	1,291	2,837	1,947	<0.5	<0.7	4.25	0.853	--	--	--	--	--	--	116,000	1,190	--	35,900
	06/28/07	66.33	9.42	0.00	56.91	1,800	1,300	540	<0.5	<0.7	4	<0.6	--	--	--	--	--	--	123,000	<40	--	27,600
	09/25/07	66.33	10.39	0.00	55.94	4,000	4,700	1,900	<0.5	<0.7	7	1	--	--	--	--	--	--	121,000	<40	--	19,700
	12/10/07	66.33	8.49	0.00	57.84	710	110	<94	<0.5	0.8	3	<0.8	--	--	--	--	--	--	110,000	<2,000	<15	31,600
	03/10/08	66.33	8.92	0.00	57.41	1,000	110	<96	<0.5	1	23	3	<0.5	--	--	--	--	--	109,000	<2,000	<15	--
	06/16/08	66.33	8.75	0.00	57.58	350	<75	<94	<0.5	<0.5	1	<0.5	--	--	--	--	--	--	--	--	--	--
	09/22/08	66.33	10.17	0.00	56.16	1,600	380	140	<0.5	<0.7	0.8	<0.8	--	--	--	--	--	--	--	--	--	--
	12/08/08	66.33	8.75	0.00	57.58	<50	<29	<68	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--
	03/26/09	66.33	8.40	0.00	57.93	<50.0	<82	<410	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
	06/10/09	66.33	9.24	0.00	57.09	514	170	<380	<1.0	<1.0	1.3	<3.0	<1.0	<0.010	<1.0	<1.0	<1.0	--	--	--	--	--
	09/09/09	66.33	10.40	0.00	55.93	709	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--
	12/07/09	66.33	8.53	0.00	57.80	938	--	--	<1.0	<1.0	2.6	<3.0	--	--	--	--	--	--	--	--	--	--

TABLE 1

CUMULATIVE GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

ConocoPhillips Facility No. 254165 (RM&R #01234)

202 Avenue D

Snohomish, Washington

Well ID TOC Elevation	Sample Date	Elevation Data (feet)				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals							
		Top of Casing Elevation	DTW	LPH Thickness	GW Elevation	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Dissolved Lead (µg/L)	Total Lead (µg/L)	Ferrous Iron (µg/L)	Alkalinity (µg/L)	Nitrate (µg/L)	Nitrite (µg/L)	Sulfate (µg/L)
MW-13	03/21/05	67.59	9.72	0.00	57.87	424	<239	<478	2.84	1.71	5.21	1.86	--	--	--	--	--	--	229,000	<15	--	13,800
67.59	06/28/05	67.59	9.43	0.00	58.16	402	<244	<487	<1	<1	<1	<2	--	--	--	--	--	--	--	<15	--	16,600
	09/15/05	67.59	10.87	0.00	56.72	260	81	<98	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	225,000	<40	--	11,100
	12/08/05	67.59	9.34	0.00	58.25	230	<80	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	228,000	<40	--	13,800
	03/10/06	67.59	8.46	0.00	59.13	400	<76	<97	22	<0.7	2.0	<0.8	--	--	--	--	--	--	229,000	<1000	--	18,600
	06/08/06	67.59	9.41	0.00	58.18	380	<81	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--
	09/05/06	67.59	11.28	0.00	56.31	240	<80	<99	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	218,000	<40	--	13,700
	12/19/06	67.59	8.30	0.00	59.29	430	100	220	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	191,000	<40	--	23,700
	03/20/07	67.59	8.50	0.00	59.09	391	<78	<97	14.3	<0.7	3.65	2.61	--	--	--	--	--	--	199,000	<1000	--	16,400
	06/28/07	67.59	9.93	0.00	57.66	270	<79	<99	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	209,000	<40	--	14,400
	09/25/07	67.59	11.13	0.00	56.46	170	84	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	208,000	<40	--	13,100
	12/10/07	67.59	9.76	0.00	58.83	340	<77	<96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	200,000	<2,000	<15	17,500
	03/10/08	67.59	9.32	0.00	58.27	230	<78	<97	<0.5	<0.7	<0.8	<0.8	2	--	--	--	--	--	182,000	<2,000	<15	--
	06/18/08	67.59	9.05	0.00	58.54	160	<76	<95	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
	09/22/08	67.59	10.91	0.00	56.68	250	<76	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--
	12/08/08	67.59	Removed from sampling schedule 4Q08																			
	03/26/09	67.59	8.75	0.00	58.84	271	<83	<410	<1.0	<1.0	<1.0	<1.0	2.2	--	--	--	--	--	--	--	--	--
	06/10/09	67.59	9.72	0.00	57.87	165	89	<39	<1.0	<1.0	<1.0	<3.0	1.9	<0.010	<1.0	<1.0	<1.0	--	--	--	--	--
	09/09/09	67.59	11.11	0.00	56.48	173	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--
	12/07/09	67.59	Removed from sampling schedule 4Q09			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	03/21/05	67.67	9.17	0.00	58.50	<100	<245	<489	<1	<1	<1	<2	--	--	--	--	--	--	97,400	29	--	46,200
67.67	06/28/05	67.67	8.87	0.00	58.80	197	<244	<488	<1	<1	<1	<2	--	--	--	--	--	--	--	<75	--	52,700
	09/15/05	67.67	10.68	0.00	56.99	66	130	170	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	96,100	<40	--	43,100
	12/08/05	67.67	8.79	0.00	58.88	74	140	180	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	97,300	<40	--	45,000
	03/10/06	67.67	7.74	0.00	59.93	55	<77	<97	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	104,000	<1,000	--	54,800
	06/08/06	67.67	8.92	0.00	58.75	<48	<81	150	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--
	09/05/06	67.67	11.15	0.00	56.52	140	89	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	89,700	<40	--	49,500
	12/19/06	67.67	7.40	0.00	60.27	<48	<76	96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	96,900	<40	--	44,400
	03/20/07	67.67	7.60	0.00	60.07	52.9	<80	119	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	109,000	<40	--	48,900
	06/28/07	67.67	9.60	0.00	58.07	240	82	<97	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	89,600	<40	--	52,300
	09/25/07	67.67	10.98	0.00	56.71	140	<89	<110	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	84,400	<40	--	53,400
	12/10/07	67.67	7.98	0.00	59.69	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	104,000	<2,000	<15	45,000
	03/10/08	67.67	5.69	0.00	61.98	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	92,000	<2,000	<15	--
	06/16/08	67.67	8.90	0.00	58.77	<50	<75	<94	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
	09/22/08	67.67	10.68	0.00	56.99	190	<76	<94	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--
	12/08/08	67.67	Removed from sampling schedule 4Q08.			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/26/09	67.67	7.75	0.00	59.92	<50.0	<82	<410	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
	06/10/09	67.67	9.23	0.00	58.44	<50.0	100	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<0.010	<1.0	<1.0	<1.0	--	--	--	--	--
	09/09/09	67.67	10.95	0.00	56.72	191	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--
	12/07/09	67.67	Removed from sampling schedule 4Q09			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1

CUMULATIVE GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

ConocoPhillips Facility No. 254155 (RM&R #01234)

202 Avenue D

Snohomish, Washington

Well ID TOC Elevation	Sample Date	Elevation Data (feet)				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals						
		Top of Casing Elevation	DTW	LPH Thickness	GW Elevation	TPH-G (µg/L)	TPH-D (µg/L)	TPH-O (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Dissolved Lead (µg/L)	Total Lead (µg/L)	Ferrous Iron (µg/L)	Alkalinity (µg/L)	Nitrate (µg/L)	Nitrite (µg/L)	Sulfate (µg/L)
MW-16	03/21/05	66.66	9.02	0.00	57.64	<100	<248	<497	<1	1.5	<1	<2	--	--	--	--	--	--	54,100	2,040	--	21,000
66.66	06/28/05	66.66	8.64	0.00	58.02	<100	<247	<493	<1	<1	<1	<2	--	--	--	--	--	--	--	2,420	--	19,000
	09/15/05	66.66	10.19	0.00	56.47	<48	140	230	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	39,600	2,600	--	14,600
	12/08/05	66.66	8.60	0.00	58.06	<48	<80	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	40,400	2,200	--	18,800
	03/10/06	66.66	7.99	0.00	58.67	<48	<77	<96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	41,800	2,500	--	28,500
	06/08/06	66.66	8.74	0.00	57.92	<48	<78	<98	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--
	09/05/06	66.66	10.45	0.00	56.21	<48	<79	<98	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	39,200	2,900	--	15,200
	12/19/06	66.66	6.00	0.00	60.66	<48	<80	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	43,300	2,100	--	21,100
	03/20/07	66.66	7.70	0.00	58.96	<48	<80	110	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	10,500	554	--	12,400
	06/28/07	66.66	9.30	0.00	57.36	<50	<82	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	45,400	3,300	--	16,200
	09/25/07	66.66	10.34	0.00	56.32	<50	<76	<97	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	41,500	2,700	--	16,300
	12/10/07	66.66	8.34	0.00	58.32	<50	<76	<94	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	42,100	<2,000	<15	21,500
	03/10/08	66.66	8.69	0.00	57.97	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	--	<2,000	<15	--
	06/16/08	66.66	8.51	0.00	58.15	<50	<75	<94	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
	09/22/08	66.66	10.22	0.00	56.44	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--
	12/08/08	66.66	Removed from sampling schedule 4Q08																			
	03/26/09	66.66	8.34	0.00	58.32	<50.0	<83	<420	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
	06/10/09	66.66	8.99	0.00	57.67	<50.0	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<0.010	<1.0	<1.0	<1.0	--	--	--	--	--
	09/09/09	66.66	10.35	0.00	56.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/09	66.66	Removed from sampling schedule 4Q09																			
MTCA Method A Cleanup Levels:						1,000/800[a]	500	500	5	1,000	700	1,000	20	0.01	5	15	15	--	--	--	--	--

NOTES:

Concentrations are in micrograms per liter (µg/L).

DTW = Depth to water in feet below top-of-casing.

TOC = Top-of-casing elevation in feet.

GW Elevation = Groundwater elevation in feet relative to top-of-casing elevation.

TPH-G = Gasoline range hydrocarbons by Ecology Method NWTPH-Gx.

TPH-D and TPH-O = Diesel and oil range hydrocarbons, respectively, by Ecology Method NWTPH-Dx.

BTEX = Benzene, Toluene, Ethylbenzene, Total Xylenes by EPA Method 8260B; previous results by 8021B or 8260B, refer to laboratory reports.

MTBE = Methyl tert-butyl ether by EPA Method 8260B.

LPH = Liquid phase hydrocarbons.

-- = Not Analyzed or Sampled

< = Less than the stated laboratory reporting limits

Bolded values equal or exceed Model Toxics Control Act (MTCA) Method A Cleanup Levels..

[a] MTCA Method A levels for TPH-g are 1,000 µg/L when no Benzene is present and 800 µg/L when Benzene is present.

[b] The laboratory reporting limit is greater than the MTCA Method A cleanup level

APPENDIX A
FIELD AND LABORATORY PROCEDURES

STANTEC MONITORING WELL GAUGING, PURGING AND SAMPLING PROCEDURES

Monitoring well purging and sampling was conducted based on USEPA approved (Puls and Barcelona, 1996) low-flow sampling techniques whenever possible.

Purging Procedures

A. Using a decontaminated instrument (i.e., tape measure, continuity meter, or interface probe) measure the depth to groundwater in reference to the measuring point at the top of the casing. Measure the total depth of the well and diameter of the well casing to calculate the volume of water in the well casing.

B. Based on previously obtained data, if a monitoring well is suspected of containing LPH concentrations, lower a transparent bailer into the well to evaluate the presence of a hydrocarbon sheen on the water table.

C. Decontaminate the purge pump and/or PVC bailers by scrubbing in Alconox detergent solution, followed by a tap water rinse and then a de-ionized water rinse.

D. Purge by low-flow pumping (less than 0.5 liters per minute) for approximately five minutes. Monitor the static water level in the well using a decontaminated instrument and adjust the pumping rate to maintain a minimal drawdown. If low-flow purging is not possible and bailing is used to purge the well, then a minimum of three well volumes will be removed. When purging 3 well volumes, parameters should be measured after each casing volume is removed. If the well goes dry, the procedure listed in step E2 (below) should be followed.

E. Conduct field measurements (i.e., pH, specific conductivity, temperature, and oxidation-reduction potential) note clarity, color, turbidity, and odor of purge water, and measure depth to groundwater.

1. If the well has not been purged dry and drawdown is minimal, continue to pump and conduct field measurements (including depth to water) again every three to five minutes during purging.

    a) If the first through third series of measurements vary by less than 10 percent, the well has been adequately purged. If bailers are used to purge the well, then the water level is allowed to recover to 80 percent of its static condition, or for two hours, whichever comes first prior to beginning the sampling procedure.

    b) If the measurements vary by 10 percent or greater, repeat Step E1 above.

    c) If a minimum of three parameters cannot be measured during purging and or drawdown cannot be controlled to minimal, remove three well volumes with a bailer prior to sampling.

2. If the well has been purged dry, measure the water level and allow the well to recharge to 80 percent, or for two hours, whichever occurs first. Calculate the percent recovery, and begin the sampling procedure.

Sampling Procedures

- Use the pump and a clean, dedicated section of tubing to collect the groundwater sample from the screened interval of the water column. If the pump cannot be used, collect the water sample with a clean, dedicated polyethylene disposable bailer.
- Transfer the groundwater sample into the appropriate container(s). Where applicable, some containers are completely filled to achieve zero headspace. Label the samples according to location and date of collection.
- Enter the samples into Chain-of-Custody and preserve on ice until delivery to the analytical laboratory. Complete the Well Development or Purging/Sampling Log to be stored in the project file.

Reference:

Puls, R.W., and Barcelona M.J., 1996. EPA Ground Water Issue Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures, EPA/540/S-95/504.

APPENDIX B
FIELD DATA SHEETS

SITE VISITATION REPORT
4Q09 - CP 254165 (RM&R 01234) Snohomish, Washington

Name(s) D. Reitz Date: 12/7/09 Time of Arrival Call-In: 0900

Arrival Time: 0900 Departure Time: 1330 Time of Departure Call-In 1330

Who did you call? C. Gdak

DRUM INVENTORY

1	WATER		CARBON	TOTAL OPEN TOP	1
	SOIL		EMPTY	TOTAL BUNG TOP	

HEALTH AND SAFETY ASSESSMENT

Don P.P.E
Review HASP & J.S.A.
Set-up Decon. Station

DESCRIPTION OF ACTIVITIES ONSITE AND NOTES

0900 Arrive on site. Call-in to office. Check-in with site-contact & purchase ice. Don appropriate P.P.E.
0910 Perform tail gate safety meeting. Set-up Decon. Station. Conduct preliminary site-walk.
0930 Initiate gauging of physical measurements at 5 gwm wells per the 4Q09 GWM sample procedures.
1000 Complete gauging procedures and initiate 4Q09 GWM sample procedures at 3 gwm wells.
1215 Complete 4Q09 GWM sample procedures, Decon. Equipment and storage purge water / decon. wastes into staged drum. Label drum.
1230 Pack sample coolers & load equipment into truck.
1250 Check-out with site-contact. Complete daily documentation.
1330 Call-in to office, Depart job site.

12/7/09

STANTEC Consulting Corporation

HYDROLOGIC DATA SHEET

Gauge Date: December 7, 2009 **Project Name:** CP RM&R 01234

Field Technician: David Reitz **Project Number:** 212301492

DTP = Depth to Free Product (FP or NAPH) Below TOC
DTW = Depth to Groundwater Below TOC
DTB = Depth to Bottom of Well Casing Below TOC

Flow through cell calibrated Y X N___

Wells checked for product and gauged prior to commencement of balling or purging the wells Y X N___

WELL OR LOCATION	WELL SCREEN DEPTH	PROPOSED INTAKE RANGE (feet below TOC)	MEASUREMENTS				PURGE? (Y/N)	SHEEN? (Y/N)	SAMPLE? (Y/N)	COMMENTS / PROBE CALIBRATION
			TIME	DTP (feet)	DTW (feet)	DTB (feet)				
MW-1A		Within the top half of the encountered water column. Top of screen interval if DTW < Depth to Screen.	0930	—	7.75	14.50	N	N	N	
MW-2		Within the top half of the encountered water column. Top of screen interval if DTW < Depth to Screen.	0940	—	4.02	17.00	N	N	N	
MW-6A		Within the top half of the encountered water column. Top of screen interval if DTW < Depth to Screen.	1010	—	8.03	19.20	Y	N	Y	
MW-11		Within the top half of the encountered water column. Top of screen interval if DTW < Depth to Screen.	0950	—	8.44	14.80	Y	N	Y	
MW-12		Within the top half of the encountered water column. Top of screen interval if DTW < Depth to Screen.	1000	—	8.53	15.65	Y	N	Y	

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WATER SAMPLE FIELD DATA SHEET

PROJECT #: 212301492 PURGED BY: D. Reitz WELL I.D.: MW-11

CLIENT NAME: ConocoPhillips SAMPLED BY: David Reitz SAMPLE I.D.: MW-11

LOCATION: 202 Avenue D, Snohomish, WA 98290

DATE PURGED 12/07/09 START (2400hr) 1015 END (2400hr) 1040

DATE SAMPLED 12/07/09 SAMPLE TIME (2400hr) 1030 LOW-FLOW USED x

SAMPLE TYPE: Groundwater x Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" x 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Casing Volume: (liters per foot) (0.64) (1.44) (2.45) (3.86) (5.68) (9.84) ( )

DEPTH TO BOTTOM (feet) = 14.90

DEPTH TO WATER (feet) = 8.44

WATER COLUMN HEIGHT (feet) = 6.36 ACTUAL PURGE (L) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (mL)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
12/7/09	1020	600	11.5	0.423	5.97	Clr
	1023	500	10.8	0.436	5.96	Clr
	1026	500	10.7	0.430	5.93	Clr
↓	1029	500	10.4	0.431	5.90	Clr
					12/7/09	
Calculated Variance of Final Three Samples:			0.4	0.005	0.06	
Acceptable Variance Limits:			≤ 10%	≤ 3%	≤ 0.1	

DEPTH TO PURGE INTAKE DURING PURGE: 12.00 SAMPLE DTW: 8.52

ANTICIPATED PURGE INTAKE DEPTH: 12.00 ANALYSES: TPH-g and BTEX

SAMPLE VESSEL / PRESERVATIVE: HCl

PURGING EQUIPMENT:	SAMPLING EQUIPMENT:
Horiba water quality monitor Interface probe Peristaltic pump	Horiba water quality monitor Interface probe Peristaltic pump

Flow Through Cell Disconnected Prior to Sample Collection?: YES x NO ____

WELL PAD CONDITION: Fair WELL CASING CONDITION: Fair

WELL VAULT CONDITION: Fair SEAL PRESENT?: YES BOLTS PRESENT?: YES

WELL INTEGRITY: Fair WELL TAG: YES LOCK#: YES

REMARKS:

SIGNATURE:

STANTEC Consulting Corporation

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 212301492 PURGED BY: D. Reitz WELL I.D.: MW-12

CLIENT NAME: ConocoPhillips SAMPLED BY: David Reitz SAMPLE I.D.: MW-12

LOCATION: 202 Avenue D, Snohomish, WA 98290

DATE PURGED 12/07/09 START (2400hr) 1050 END (2400hr) 1120

DATE SAMPLED 12/07/09 SAMPLE TIME (2400hr) 1110 LOW-FLOW USED x

SAMPLE TYPE: Groundwater x Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" x 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Casing Volume: (liters per foot) (0.64) (1.44) (2.45) (3.86) (5.68) (9.84) ( )

DEPTH TO BOTTOM (feet) = 15.65

DEPTH TO WATER (feet) = 8.53

WATER COLUMN HEIGHT (feet) = 7.12 ACTUAL PURGE (L) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (mL)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
12/7/09	1100	800	10.4	0.329	5.79	Clr
↓	1103	500	10.5	0.327	5.78	Clr
	1106	500	10.5	0.323	5.79	Clr
	1109	500	10.5	0.319	5.79	Clr
					12/7/09	
Calculated Variance of Final Three Samples:			0	0.008	0.01	
Acceptable Variance Limits:			≤ 10%	≤ 3%	≤ 0.1	

DEPTH TO PURGE INTAKE DURING PURGE: 13.00 SAMPLE DTW: 8.59

ANTICIPATED PURGE INTAKE DEPTH: 13.00 ANALYSES: TPH-g and BTEX

SAMPLE VESSEL / PRESERVATIVE: HCl

PURGING EQUIPMENT:	SAMPLING EQUIPMENT:
Horiba water quality monitor Interface probe Peristaltic pump	Horiba water quality monitor Interface probe Peristaltic pump

Flow Through Cell Disconnected Prior to Sample Collection?: YES x NO ____

WELL PAD CONDITION: Fair WELL CASING CONDITION: Fair

WELL VAULT CONDITION: Fair SEAL PRESENT?: yes BOLTS PRESENT?: yes

WELL INTEGRITY: Fair WELL TAG: yes LOCK#: yes

REMARKS: ____

SIGNATURE: ____

STANTEC Consulting Corporation

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 212301492 PURGED BY: D. Reitz WELL I.D.: MW-6A

CLIENT NAME: ConocoPhillips SAMPLED BY: David Reitz SAMPLE I.D.: MW-6A

LOCATION: 202 Avenue D, Snohomish, WA 98290

DATE PURGED 12/07/09 START (2400hr) 1145 END (2400hr) 1210

DATE SAMPLED 12/07/09 SAMPLE TIME (2400hr) 1200 LOW-FLOW USED x

SAMPLE TYPE: Groundwater x Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" x (0.64) 3" ____ (1.44) 4" ____ (2.45) 5" ____ (3.86) 6" ____ (5.68) 8" ____ (9.84) Other ____ ( )

Casing Volume: (liters per foot)

DEPTH TO BOTTOM (feet) = 19.20

DEPTH TO WATER (feet) = 8.03

WATER COLUMN HEIGHT (feet) = 11.17 ACTUAL PURGE (L) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (mL)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
12/07/09	1150	500	13.3	0.454	5.67	Clr
↓	1153	500	13.0	0.470	5.72	Clr
	1156	500	12.7	0.476	5.77	Clr
↓	1159	500	12.7	0.477	5.79	Clr
					12/7/09	
Calculated Variance of Final Three Samples:			0.3	0.007	0.07	
Acceptable Variance Limits:			≤ 10%	≤ 3%	≤ 0.1	

DEPTH TO PURGE INTAKE DURING PURGE: 17.00 SAMPLE DTW: 8.30

ANTICIPATED PURGE INTAKE DEPTH: 17.00 ANALYSES: TPH-g and BTEX

SAMPLE VESSEL / PRESERVATIVE: HCl

PURGING EQUIPMENT:	SAMPLING EQUIPMENT:
Horiba water quality monitor Interface probe Peristaltic pump	Horiba water quality monitor Interface probe Peristaltic pump

Flow Through Cell Disconnected Prior to Sample Collection?: YES x NO ____

WELL PAD CONDITION: Fair WELL CASING CONDITION: Fair

WELL VAULT CONDITION: Fair SEAL PRESENT?: yes BOLTS PRESENT?: yes

WELL INTEGRITY: Fair WELL TAG: yes LOCK#: yes

REMARKS: ____

SIGNATURE: [signature]

Chain Of Custody Record

PACE Analytical Laboratory
940 S. Harney Street, Seattle, WA
(206) 767-5060

INVOICE REMITTANCE ADDRESS:
Stantec
Attn: Chris Gdak
12034 134th CT; Suite 102
Redmond, WA 98052

Purchase Order #:

ConocoPhillips AOC#: 01234

DATE: 12/07/09
PAGE: 1 of 1

SAMPLING COMPANY: STANTEC	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: AOC 01234	GLOBAL ID NO.:
ADDRESS: 12034 134th Court NE, Redmond, WA 98052		SITE ADDRESS (Street and City): 202 Avenue D, Snohomish, WA 98290	ConocoPhillips Manager: Myron Smith
PROJECT CONTACT (Hardcopy or PDF Report to): Chris Gdak		EDF DELIVERABLE TO (RP or Designee):	PHONE NO.: / E-MAIL: / LAB USE ONLY
TELEPHONE: (425) 298-1023 / FAX: (425) 298-1020	E-MAIL: chris.gdak@stantec.com		
SAMPLER NAME(S) (Print): David Reitz	CONSULTANT PROJECT NUMBER: 212301492		

TURNAROUND TIME (CALENDAR DAYS):
☑ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

REQUESTED ANALYSES

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

* Field Point name only required if different from Sample ID

LAB USE ONLY	Field Point Name	Sample ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	NWTPH-Gx	BTEX
	MW-6A	MW-6A	12/07/09	1200	GW	6	X	X
	MW-11	MW-11	"	1030	GW	6	X	X
	MW-12	MW-12	"	1110	GW	6	X	X
	QCTB	QCTB			DI	6	X	X

TEMPERATURE ON RECEIPT C°

40-mL VOAs, preserved with HCl

Relinquished by: (Signature) Jeremy Paine	Received by: (Signature)	Date: 12/8/09	Time: 9100
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

9-18-03 Revision

APPENDIX C
CERTIFIED LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

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December 10, 2009

Chris Gdak
Stantec
12034 134th Ct NE, Suite 102
Redmond, WA 98052

RE: Project: 01234 - 202 Ave D, Snohomish
Pace Project No.: 252622

Dear Chris Gdak:
Enclosed are the analytical results for sample(s) received by the laboratory on December 08, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jenni Gross

Jennifer Gross

jennifer.gross@pacelabs.com
Project Manager

Enclosures

cc: Andrea Donnell, COP_Stantec Washington
Tammy Parise, COP_Stantec Washington
Linda Rawlins, COP_Stantec Oregon

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CERTIFICATIONS

Project: 01234 - 202 Ave D, Snohomish
Pace Project No.: 252622

Washington Certification IDs
940 South Harney Street Seattle, WA 98108
Washington Certification #: C1229
Oregon Certification #: WA200007
Alaska CS Certification #: UST-025
California Certification #: 01153CA
Alaska Drinking Water Micro Certification #: WA01230
Alaska Drinking Water VOC Certification #: WA01-09
Florida/NELAP Certification #: E87617

ACCREDITED IN ACCORDANCE WITH nelac

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SAMPLE ANALYTE COUNT

Project: 01234 - 202 Ave D, Snohomish
Pace Project No.: 252622

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
252622001	MW-6A	NWTPH-Gx	ATH	3	PASI-S
		EPA 5030B/8260	LNH	8	PASI-S
252622002	MW-11	NWTPH-Gx	ATH	3	PASI-S
		EPA 5030B/8260	LNH	8	PASI-S
252622003	MW-12	NWTPH-Gx	ATH	3	PASI-S
		EPA 5030B/8260	LNH	8	PASI-S
252622004	QCTB	NWTPH-Gx	ATH	3	PASI-S
		EPA 5030B/8260	LNH	8	PASI-S

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ANALYTICAL RESULTS

Project: 01234 - 202 Ave D, Snohomish
Pace Project No.: 252622

Sample: MW-6A Lab ID: **252622001** Collected: 12/07/09 12:00 Received: 12/08/09 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
Gasoline Range Organics	**1990**	ug/L	50.0	1		12/10/09 09:39		
a,a,a-Trifluorotoluene (S)	105	%	50-150	1		12/10/09 09:39	98-08-8	
4-Bromofluorobenzene (S)	119	%	50-150	1		12/10/09 09:39	460-00-4	
8260 MSV	Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1		12/09/09 16:02	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/09/09 16:02	100-41-4	
Toluene	ND	ug/L	1.0	1		12/09/09 16:02	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/09/09 16:02	1330-20-7	
4-Bromofluorobenzene (S)	103	%	80-120	1		12/09/09 16:02	460-00-4	
Dibromofluoromethane (S)	110	%	80-122	1		12/09/09 16:02	1868-53-7	
1,2-Dichloroethane-d4 (S)	113	%	80-124	1		12/09/09 16:02	17060-07-0	
Toluene-d8 (S)	109	%	80-123	1		12/09/09 16:02	2037-26-5	

Sample: MW-11 Lab ID: **252622002** Collected: 12/07/09 10:30 Received: 12/08/09 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
Gasoline Range Organics	**119**	ug/L	50.0	1		12/09/09 14:21		
a,a,a-Trifluorotoluene (S)	124	%	50-150	1		12/09/09 14:21	98-08-8	
4-Bromofluorobenzene (S)	111	%	50-150	1		12/09/09 14:21	460-00-4	
8260 MSV	Analytical Method: EPA 5030B/8260							
Benzene	**8.5**	ug/L	1.0	1		12/09/09 16:24	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/09/09 16:24	100-41-4	
Toluene	ND	ug/L	1.0	1		12/09/09 16:24	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/09/09 16:24	1330-20-7	
4-Bromofluorobenzene (S)	94	%	80-120	1		12/09/09 16:24	460-00-4	
Dibromofluoromethane (S)	108	%	80-122	1		12/09/09 16:24	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	80-124	1		12/09/09 16:24	17060-07-0	
Toluene-d8 (S)	106	%	80-123	1		12/09/09 16:24	2037-26-5	

Sample: MW-12 Lab ID: **252622003** Collected: 12/07/09 11:10 Received: 12/08/09 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
Gasoline Range Organics	**938**	ug/L	50.0	1		12/09/09 15:08		
a,a,a-Trifluorotoluene (S)	123	%	50-150	1		12/09/09 15:08	98-08-8	
4-Bromofluorobenzene (S)	135	%	50-150	1		12/09/09 15:08	460-00-4	
8260 MSV	Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1		12/09/09 16:45	71-43-2	

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ANALYTICAL RESULTS

Project: 01234 - 202 Ave D, Snohomish
Pace Project No.: 252622

Sample: MW-12 **Lab ID: 252622003** Collected: 12/07/09 11:10 Received: 12/08/09 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
Ethylbenzene	**2.6**	ug/L	1.0	1		12/09/09 16:45	100-41-4	
Toluene	ND	ug/L	1.0	1		12/09/09 16:45	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/09/09 16:45	1330-20-7	
4-Bromofluorobenzene (S)	99	%	80-120	1		12/09/09 16:45	460-00-4	
Dibromofluoromethane (S)	110	%	80-122	1		12/09/09 16:45	1868-53-7	
1,2-Dichloroethane-d4 (S)	111	%	80-124	1		12/09/09 16:45	17060-07-0	
Toluene-d8 (S)	108	%	80-123	1		12/09/09 16:45	2037-26-5	

Sample: QCTB **Lab ID: 252622004** Collected: 12/07/09 00:00 Received: 12/08/09 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
Gasoline Range Organics	ND	ug/L	50.0	1		12/09/09 13:58		
a,a,a-Trifluorotoluene (S)	114	%	50-150	1		12/09/09 13:58	98-08-8	
4-Bromofluorobenzene (S)	102	%	50-150	1		12/09/09 13:58	460-00-4	
8260 MSV	Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1		12/09/09 15:39	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/09/09 15:39	100-41-4	
Toluene	ND	ug/L	1.0	1		12/09/09 15:39	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/09/09 15:39	1330-20-7	
4-Bromofluorobenzene (S)	93	%	80-120	1		12/09/09 15:39	460-00-4	
Dibromofluoromethane (S)	108	%	80-122	1		12/09/09 15:39	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	80-124	1		12/09/09 15:39	17060-07-0	
Toluene-d8 (S)	105	%	80-123	1		12/09/09 15:39	2037-26-5	

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QUALITY CONTROL DATA

Project: 01234 - 202 Ave D, Snohomish
Pace Project No.: 252622

QC Batch: GCV/1364 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx GCV Water
Associated Lab Samples: 252622001, 252622002, 252622003, 252622004

METHOD BLANK: 17077 Matrix: Water
Associated Lab Samples: 252622001, 252622002, 252622003, 252622004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	ND	50.0	12/09/09 13:34	
4-Bromofluorobenzene (S)	%	103	50-150	12/09/09 13:34	
a,a,a-Trifluorotoluene (S)	%	114	50-150	12/09/09 13:34	

LABORATORY CONTROL SAMPLE: 17078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	ug/L	250	322	129	50-163	
4-Bromofluorobenzene (S)	%			94	50-150	
a,a,a-Trifluorotoluene (S)	%			108	50-150	

SAMPLE DUPLICATE: 17101

Parameter	Units	252622002 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	ug/L	119	110	8	
4-Bromofluorobenzene (S)	%	111	116	4	
a,a,a-Trifluorotoluene (S)	%	124	122	1	

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QUALITY CONTROL DATA

Project: 01234 - 202 Ave D, Snohomish
Pace Project No.: 252622

QC Batch: MSV/1773 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 252622001, 252622002, 252622003, 252622004

METHOD BLANK: 17071 Matrix: Water
Associated Lab Samples: 252622001, 252622002, 252622003, 252622004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	12/09/09 12:12	
Ethylbenzene	ug/L	ND	1.0	12/09/09 12:12	
Toluene	ug/L	ND	1.0	12/09/09 12:12	
Xylene (Total)	ug/L	ND	3.0	12/09/09 12:12	
1,2-Dichloroethane-d4 (S)	%	111	80-124	12/09/09 12:12	
4-Bromofluorobenzene (S)	%	95	80-120	12/09/09 12:12	
Dibromofluoromethane (S)	%	108	80-122	12/09/09 12:12	
Toluene-d8 (S)	%	105	80-123	12/09/09 12:12	

LABORATORY CONTROL SAMPLE & LCSD: 17072 17073

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/L	20	21.8	20.5	109	103	75-124	6	30	
Ethylbenzene	ug/L	20	21.2	20.1	106	100	76-124	6	30	
Toluene	ug/L	20	21.3	20.3	107	102	75-124	5	30	
Xylene (Total)	ug/L	60	67.4	64.0	112	107	76-123	5	30	
1,2-Dichloroethane-d4 (S)	%				108	108	80-124			
4-Bromofluorobenzene (S)	%				93	94	80-120			
Dibromofluoromethane (S)	%				108	109	80-122			
Toluene-d8 (S)	%				106	105	80-123			

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QUALIFIERS

Project: 01234 - 202 Ave D, Snohomish
Pace Project No.: 252622

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

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LABORATORIES

PASI-S Pace Analytical Services - Seattle

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 01234 - 202 Ave D, Snohomish
Pace Project No.: 252622

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
252622001	**MW-6A**	NWTPH-Gx	GCV/1364		
252622002	**MW-11**	NWTPH-Gx	GCV/1364		
252622003	**MW-12**	NWTPH-Gx	GCV/1364		
252622004	**QCTB**	NWTPH-Gx	GCV/1364		
252622001	**MW-6A**	EPA 5030B/8260	MSV/1773		
252622002	**MW-11**	EPA 5030B/8260	MSV/1773		
252622003	**MW-12**	EPA 5030B/8260	MSV/1773		
252622004	**QCTB**	EPA 5030B/8260	MSV/1773		