James Oil Co
Enumclaw
LUST 2363

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Quarterly Groundwater Monitoring Report - Fourth Quarter 2009
ConocoPhillips Facility No. 0964 (RM&R #00964)
Washington Department of Ecology LUST Program ID #1565
666 Griffin Avenue
Enumclaw, Washington 98022

Stantec Project No.:
212301489

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

December 7, 2009

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. No. 0964 (RM&R #00964; LUST Program ID #1565) located at 666 Griffin Avenue in Enumclaw, Washington (the Site).

GROUNDWATER MONITORING ACTIVITIES

Groundwater monitoring activities during the reporting period were performed on October 20, 2009. Groundwater monitoring activities were performed in accordance with Stantec's protocols for groundwater monitoring events (Appendix A).

Eight groundwater monitoring wells (MW-1 through MW-7, and MW-11) were gauged and sampled. These activities are described below.

Monitoring Well Gauging

Eight of the proposed groundwater monitoring wells were gauged: MW-1 through MW-7, and MW-11. 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 1.76 feet (MW-2) to 5.19 feet (MW-11) 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 illustrated on Figure 1. Based on these data, the inferred groundwater flow direction was to the east at an approximate gradient of 0.02 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 onsite in a Department of Transportation (DOT)-approved, steel drum pending laboratory characterization and offsite 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:

- Total petroleum hydrocarbons (TPH) gasoline range organics (TPH-G) using DOE Northwest Method NWTPH-Gx;
- TPH diesel range organics (TPH-D) and TPH oil range organics (TPH-O) using DOE Northwest Method NWTPH-Dx with silica gel/acid cleanup; and
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) using Environmental Protection Agency (EPA) Method 8260B.

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, TPH-D, TPH-O, BTEX, and methyl-tert-butyl ether (MTBE) are illustrated on Figure 2 for the reporting period and three previous reporting periods.

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-1 through MW-5 at concentrations of 1,710 micrograms per liter [µg/L], 1,040 µg/L, 1,230 µg/L, 1,510 µg/L, 1,610 µg/L, respectively, which exceed the MTCA Method A cleanup level of 800 µg/L. The reported concentrations are generally consistent with data from other recent reporting periods,

except for MW-3 and MW-5, which appear to have increased substantially since 2008 (see historical data for MW-3 and MW-5). A similar trend was observed in MW-3 and MW-5 with respect to benzene.

- TPH-D was detected in groundwater from MW-1, MW-2, and MW-4 at concentrations of 754 µg/L, 985 µg/L, and 745 µg/L, respectively, which exceed the MTCA Method A cleanup level of 500 µg/L. The reported concentrations are higher than the previous three quarters, but could be due to seasonal fluctuations in the water table.
- Benzene was detected in groundwater from MW-1, MW-3, and MW-5 at concentrations of 21.9 µg/L, 596 µg/L, 47.9 µg/L, respectively, which exceed the MTCA Method A cleanup level of 5 µg/L. The reported concentrations are generally consistent with data from other recent reporting periods, but appear to have increased dramatically since the third quarter of 2008 (see historical data for MW-3 and MW-5). This benzene trend deserves further analysis and may indicate a potential new release has occurred at the Site, impacts may have migrated to the Site via groundwater from the adjacent, up gradient petroleum bulk storage facility and/or there has been rebound in petroleum concentrations since groundwater remediation activities were conducted at the Site around 2007.

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 that were identified during chemical analysis. Two batch qualifiers (M5) and one analyte qualifier (S2) are described on page 14 of the laboratory 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 ConocoPhillips. A copy of the signed waste manifest or other disposal documentation will be provided under a separate cover.

CONCLUSIONS

Concentrations of TPH-G exceeding the MTCA Method A cleanup level were detected in MW-1 through MW-5. The reported TPH-G concentrations are generally consistent with data from other recent reporting periods, except for MW-3 and MW-5, which appear to have increased substantially since 2008 (see historical data for MW-3 and MW-5).

Concentrations of TPH-D exceeding the MTCA Method A cleanup level were detected in MW-1, MW-2, and MW-4. The reported TPH-D concentrations are higher than the previous three quarters, but could be due to seasonal fluctuations in the water table.

Concentrations of benzene exceeding the MTCA Method A cleanup level were detected in MW-1, MW-3, and MW-5. The reported concentrations are generally consistent with data from other recent reporting periods, but appear to have increased dramatically since the third quarter of 2008 (see historical data for MW-3 and MW-5). As noted above, this trend was also observed for TPH-G in MW-3 and MW-5. The TPH-G and benzene trends deserve further analysis and may indicate a potential new release has occurred at the Site, impacts may have migrated to the Site via groundwater from the adjacent, up gradient petroleum bulk storage facility and/or there has been rebound in petroleum concentrations since groundwater remediation activities were conducted at the Site around 2007.

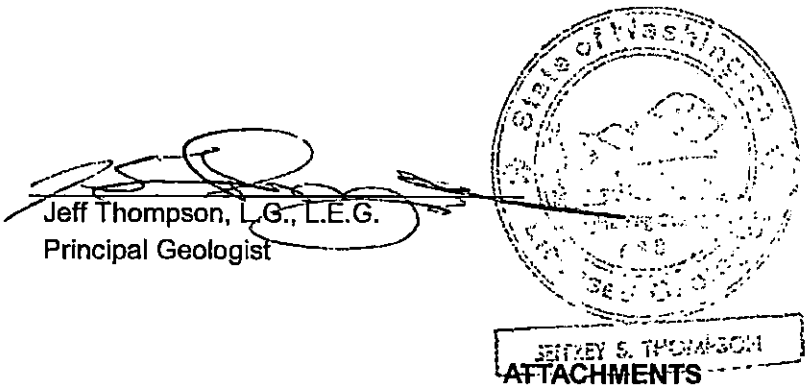
LIMITATIONS AND CERTIFICATIONS

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 work plan 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:

Tammy Parise
Staff Scientist

Reviewed by:



Jeff Thompson, L.G., L.E.G.
Principal Geologist

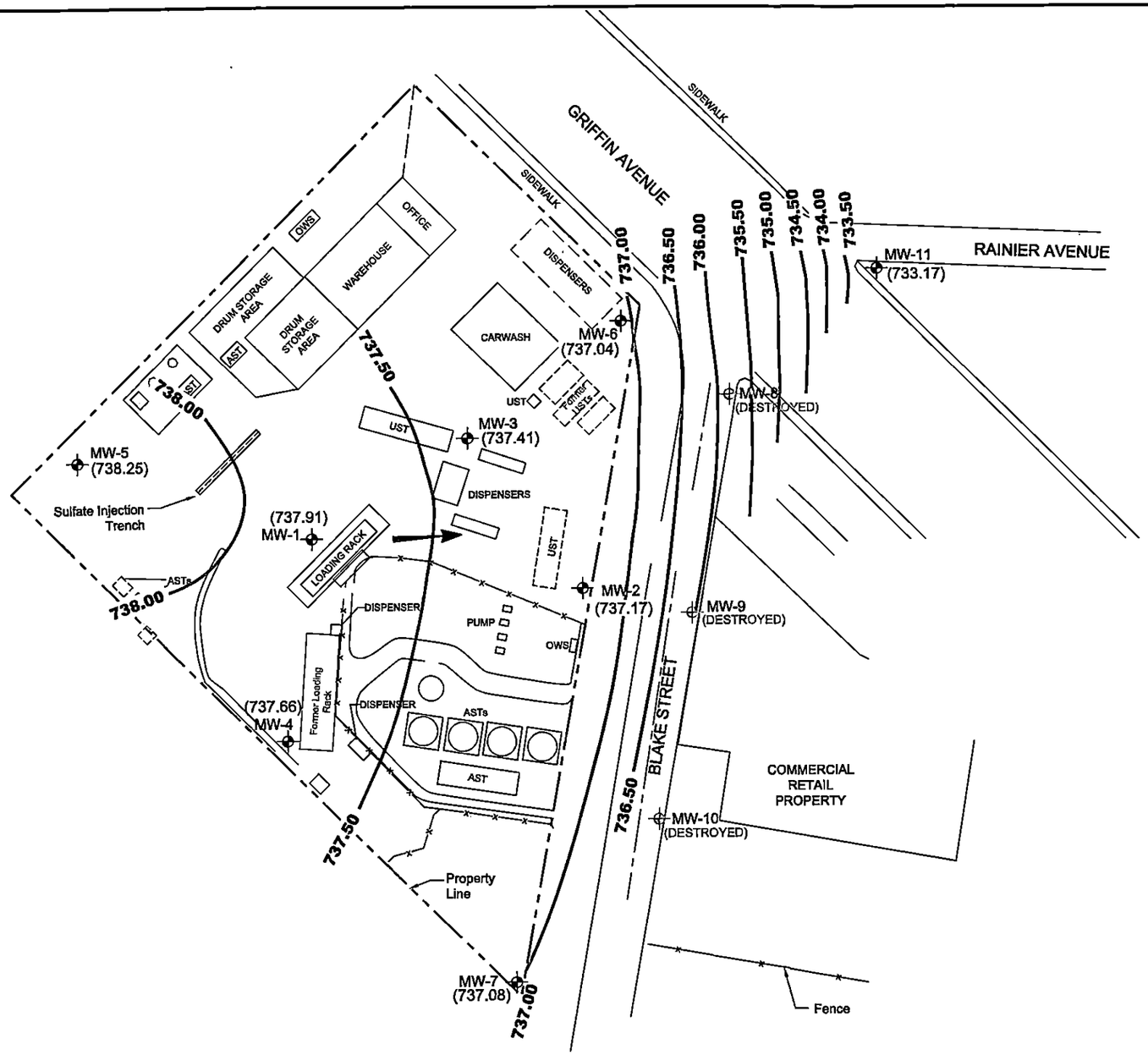
ATTACHMENTS

Table 1 Cumulative Summary of Groundwater Elevations and Sample Analytical Results

Figure 1 Monitoring Well Locations and Groundwater Elevations (October 20, 2009)
Figure 2 Site Plan with Analytical Results (October 20, 2009)

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-1 — MONITORING WELL LOCATION AND ID
- MW-8 — DESTROYED MONITORING WELL
- UST — UNDERGROUND STORAGE TANK
- AST — ABOVE GROUND STORAGE TANK

GROUNDWATER

- (737.91) — GROUNDWATER ELEVATION (FEET)
- (NM) — NOT MEASURED
- INFERRED GROUNDWATER FLOW DIRECTION
- 736.50 — GROUNDWATER ELEVATION CONTOUR (FEET)
- CONTOUR INTERVAL = 0.50 FEET

NOTE:

1). ALL LOCATIONS ARE APPROXIMATE

N

0 40 80

APPROXIMATE SCALE (FEET)

BASEMAP PROVIDED BY GEOENGINEERS, INC.

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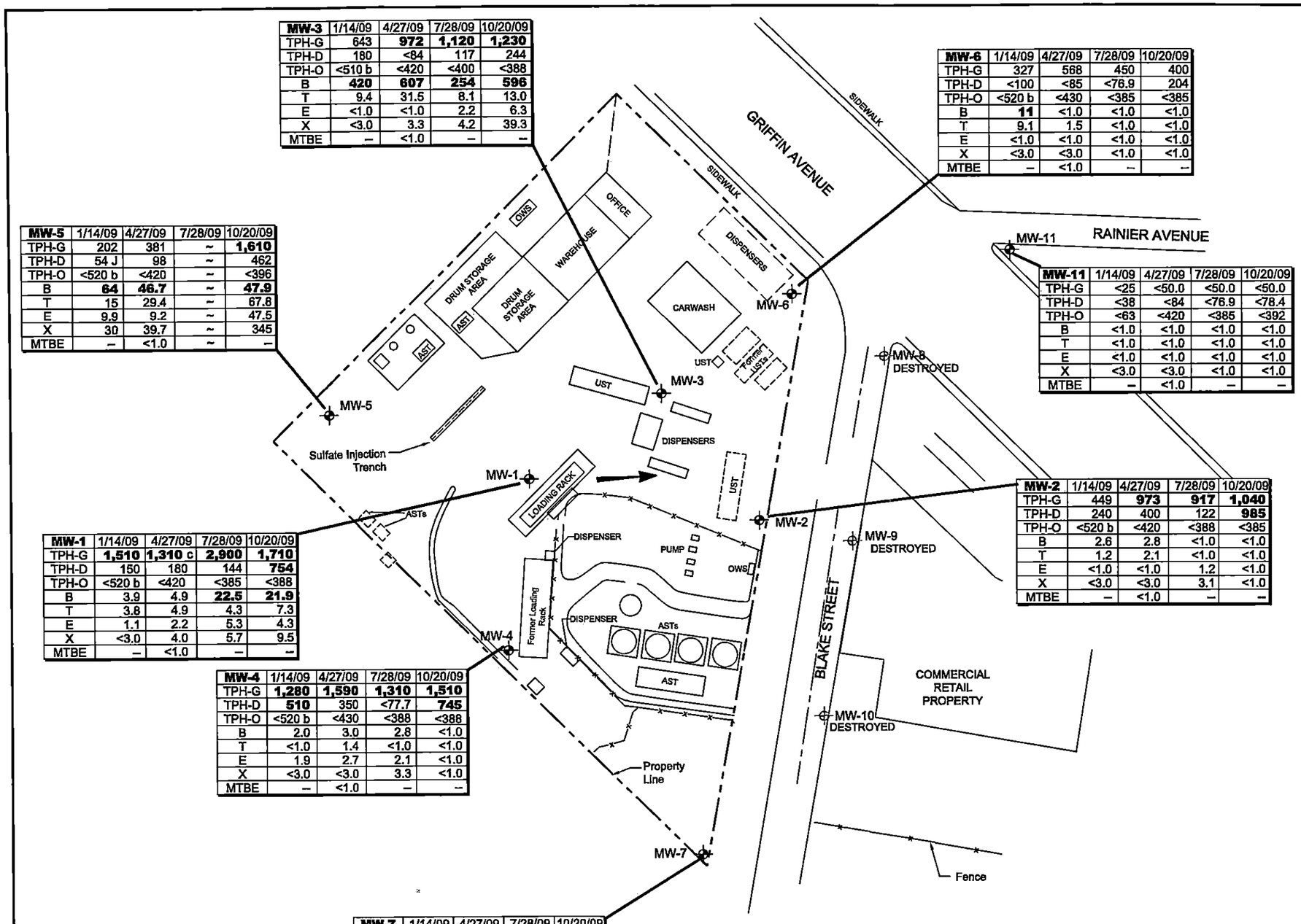
FOR: ConocoPhillips
FACILITY NO. 0964 (RM&R 0964)
666 GRIFFIN AVENUE
ENUMCLAW, WASHINGTON

MONITORING WELL LOCATIONS AND GROUNDWATER ELEVATIONS (OCTOBER 20, 2009)

FIGURE: 1

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
212301489 (0964)	DJH	TP	JT	11/6/09

FILEPATH:K:\1-CLIENTS\ConocoPhillips\01CP\0964-Enumclaw\212301489 (41 -QTRLY 09)\4Q09\0964_4Q09.dwg | Layout Tab: GWE 4Q09 | Drafter: dheller



MW-3	1/14/09	4/27/09	7/28/09	10/20/09
TPH-G	643	**972**	**1,120**	**1,230**
TPH-D	180	<84	117	244
TPH-O	<510 b	<420	<400	<388
B	**420**	**607**	**254**	**596**
T	9.4	31.5	8.1	13.0
E	<1.0	<1.0	2.2	6.3
X	<3.0	3.3	4.2	39.3
MTBE	–	<1.0	–	–

MW-6	1/14/09	4/27/09	7/28/09	10/20/09
TPH-G	327	568	450	400
TPH-D	<100	<85	<76.9	204
TPH-O	<520 b	<430	<385	<385
B	**11**	<1.0	<1.0	<1.0
T	9.1	1.5	<1.0	<1.0
E	<1.0	<1.0	<1.0	<1.0
X	<3.0	<3.0	<1.0	<1.0
MTBE	–	<1.0	–	–

MW-5	1/14/09	4/27/09	7/28/09	10/20/09
TPH-G	202	381	~	**1,610**
TPH-D	54 J	98	~	462
TPH-O	<520 b	<420	~	<396
B	**64**	**46.7**	~	**47.9**
T	15	29.4	~	67.8
E	9.9	9.2	~	47.5
X	30	39.7	~	345
MTBE	–	<1.0	~	–

MW-11	1/14/09	4/27/09	7/28/09	10/20/09
TPH-G	<25	<50.0	<50.0	<50.0
TPH-D	<38	<84	<76.9	<78.4
TPH-O	<63	<420	<385	<392
B	<1.0	<1.0	<1.0	<1.0
T	<1.0	<1.0	<1.0	<1.0
E	<1.0	<1.0	<1.0	<1.0
X	<3.0	<3.0	<1.0	<1.0
MTBE	–	<1.0	–	–

MW-2	1/14/09	4/27/09	7/28/09	10/20/09
TPH-G	449	**973**	**917**	**1,040**
TPH-D	240	400	122	**985**
TPH-O	<520 b	<420	<388	<385
B	2.6	2.8	<1.0	<1.0
T	1.2	2.1	<1.0	<1.0
E	<1.0	<1.0	1.2	<1.0
X	<3.0	<3.0	3.1	<1.0
MTBE	–	<1.0	–	–

MW-1	1/14/09	4/27/09	7/28/09	10/20/09
TPH-G	**1,510**	**1,310 c**	**2,900**	**1,710**
TPH-D	150	180	144	**754**
TPH-O	<520 b	<420	<385	<388
B	3.9	4.9	**22.5**	**21.9**
T	3.8	4.9	4.3	7.3
E	1.1	2.2	5.3	4.3
X	<3.0	4.0	5.7	9.5
MTBE	–	<1.0	–	–

MW-4	1/14/09	4/27/09	7/28/09	10/20/09
TPH-G	**1,280**	**1,590**	**1,310**	**1,510**
TPH-D	**510**	350	<77.7	**745**
TPH-O	<520 b	<430	<388	<388
B	2.0	3.0	2.8	<1.0
T	<1.0	1.4	<1.0	<1.0
E	1.9	2.7	2.1	<1.0
X	<3.0	<3.0	3.3	<1.0
MTBE	–	<1.0	–	–

MW-7	1/14/09	4/27/09	7/28/09	10/20/09
TPH-G	–	<50.0	<50.0	<50.0
TPH-D	–	<84	<77.7	<77.7
TPH-O	–	<420	<388	<388
B	–	<1.0	<1.0	<1.0
T	–	<1.0	<1.0	<1.0
E	–	<1.0	<1.0	<1.0
X	–	<3.0	<1.0	<1.0
MTBE	–	<1.0	–	–

LEGEND

- SITE BOUNDARY
- MW-1 — MONITORING WELL LOCATION AND ID
- MW-8 — DESTROYED MONITORING WELL AND ID
- UST — UNDERGROUND STORAGE TANK
- AST — ABOVE GROUND STORAGE TANK
- 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

– NOT ANALYZED OR NOT APPLICABLE

~ INACCESSIBLE

BOLD CONCENTRATION EQUALS OR EXCEEDS THE MTCA METHOD "A" CLEANUP LEVEL

NS NOT SAMPLED

b THE METHOD REPORTING LIMIT IS ABOVE THE MTCA METHOD "A" CLEANUP LEVELS.

c 1N SURROGATES WERE NOT SPIKED DUE TO ANALYST ERROR. THE SAMPLE WAS RE-ANALYZED OUT OF HOLD WITH IN CONTROL SURROGATE RECOVERIES. BECAUSE THE CONCENTRATION FOR GASOLINE RANGE ORGANICS WAS IDENTICAL TO THE ORIGINAL ANALYSIS, THE RESULTS WERE REPORTED FROM THE ORIGINAL ANALYSIS.

J THE VALUE REPORTED IS BELOW THE ROUTINE REPORTING LIMIT AND SHOULD BE CONSIDERED AN ESTIMATE.

NOTE:

1). ALL LOCATIONS ARE APPROXIMATE

0 40 80

APPROXIMATE SCALE (FEET)

N

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FOR: ConocoPhillips
FACILITY NO. 0964 (RM&R 0964)
666 GRIFFIN AVENUE
ENUMCLAW, WASHINGTON

SITE PLAN WITH ANALYTICAL RESULTS (OCTOBER 20, 2009)

FIGURE: **2**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
212301489 (0964)	DJH	TP	JT	11/6/09

TABLE

TABLE 1

CUMULATIVE SUMMARY OF GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

ConocoPhillips Facility No. 0964 (RM&R No 0964)

666 Griffin Avenue

Enumclaw, Washington

Well ID TOC Elevation	Sample Date	Elevation Data		Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals	
		DTW	GW Elevation	Gasoline Range (µg/L)	Diesel Range (µg/L)	Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MW-1	02/16/99	1.75	738.53	2,550	<350	<700	111	5.2	8.06	1.23	2.58	--	--	--	--
740.28	08/30/00	3.65	736.63	710	767	<500	23.7	1.81	0.947	<1	<5.00	--	--	--	--
	11/16/00	2.32	737.96	2,070	368	<500	101	<3.85	8.33	<7.40	<5.00	--	--	--	--
	02/22/01	2.25	738.03	2,170	728	<500	90.0	<3.60	14.2	<5	2.54	--	--	--	--
	05/31/01	2.48	737.80	3,700	<250	545	95.8	3.21	9.87	1.14	--	--	--	--	--
	08/22/01	4.10	736.18	3,210	3,500	1,270	124	7.46	14.4	13.9	--	--	--	--	--
	11/08/01	2.02	738.26	2,680	<250	<500	120	4.35	9.33	3.63	--	--	--	--	--
	02/05/02	2.09	738.19	3,450	<250	<500	114	7.35	10.4	<1	Detected	--	--	--	--
	05/23/02	2.06	738.22	8,350	<250	<500	131	<10.0	12.3	<30	<20.0	--	--	--	--
	08/13/02	3.28	737.00	3,300	540	<500	140	8.9	12.0	<15	<50	--	--	--	--
	11/06/02	3.62	736.66	3,700	360	<500	220	14	25	<7.5	<25	--	--	--	--
	02/05/03	1.38	738.92	2,930	<250	<500	91.4	4.27	8.75	6.77	<2	--	--	--	--
	05/21/03	1.86	738.42	1,320	1,400	<500	88.7	3.03	5.63	1.70	<2	--	--	--	--
	08/20/03	4.47	735.81	4,960	<250	<500	107	2.99	8.39	<1	<2	--	--	--	--
	11/24/03	2.19	738.09	2,320	8,540	3,550	93.5	4.16	5.06	2.57	0.83	--	--	--	--
	02/19/04	1.55	738.73	4,230	2,440	1,460	113	<5	6.75	<10	<5	--	--	--	--
	05/19/04	2.40	737.88	4,040	1,810	670	183	10.7	24.6	<10	<5	--	--	--	--
	08/12/04	2.59	737.69	2,740	939	<495	74.4	3.72	3.77	<2	<1	--	--	--	--
	11/11/04	1.61	738.67	2,610	1,420	588	98.3	7.08	8.07	8.73	2.6	--	--	--	--
	02/21/05	1.49	738.79	2,760	1,390	<489	95.1	<10	<10	<20	<10	--	--	--	--
	05/16/05	2.23	738.05	2,410	884	<504	81.5	11.40	8.73	5.67	<5	--	--	--	--
	07/18/05	2.37	737.91	1,950	1,610	955	57.2	4.54	5.28	<2	<1	--	--	--	--
	09/06/05	2.82	737.46	1,800	2,300	670	28	4.0	3.0	3.0	--	--	--	--	--
	10/20/05	1.77	738.51	2,200	2,500	<990	46	4.0	6.0	3.0	<0.5	--	--	--	--
	11/15/05	1.51	738.77	1,700	2,800	1,200	12	3.9	2.3	3.9	--	--	--	--	--
	12/12/05	--	--	1,600	2,900	1,700	12	5.0	2.0	3.0	--	--	--	--	--
	01/10/06	--	--	1,700	3,200	1,500	12	4.0	2.0	3.0	--	--	--	--	--
	01/23/06	1.13	739.15	1,900	2,300	1,000	17	4.0	3.0	2.0	<0.5	--	--	--	--
	04/12/06	1.47	738.81	2,000	2,200	300	17	4.0	1.0	2.0	<0.5	--	--	--	--
740.28	07/24/06	3.05	737.23	2,000	2,500	1,200	13	4.0	2.0	2.0	<0.5	--	--	--	--
	10/24/06	2.70	737.58	1,900	7,200	3,200	25	3.0	2.0	1.0	0.8	--	--	--	--
	01/30/07	1.85	738.43	1,300	3,400	<500	9.0	3.0	2.0	1.0	--	--	--	--	--
	02/26/07	1.36	738.92	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/07	1.05	739.23	<48	1,100	430	<0.5	<0.7	<0.8	<0.6	--	--	--	--	--
	03/26/07	1.03	739.25	--	--	--	--	--	--	--	--	--	--	--	--
	04/09/07	1.41	738.87	1,021	1,461	594	2.56	1.55	1.15	<0.8	--	--	--	--	--
	04/23/07	1.65	738.63	--	--	--	--	--	--	--	--	--	--	--	--
	04/26/07	1.87	738.41	1,437	2,171	<1,000	11.7	2.79	3.08	1.66	--	--	--	--	--

TABLE 1
CUMULATIVE SUMMARY OF GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 0964 (RM&R No 0964)
666 Griffin Avenue
Enumclaw, Washington

Well ID TOC Elevation	Sample Date	Elevation Data		Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals	
		DTW	GW Elevation	Gasoline Range (µg/L)	Diesel Range (µg/L)	Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
	05/07/07	2.08	738.20	1,700	2,300	770	9	4	3	3	--	--	--	--	--
	05/21/07	1.71	738.57	--	--	--	--	--	--	--	--	--	--	--	--
	06/04/07	1.95	738.33	1,600	2,900	2,300	3	4	2	2	--	--	--	--	--
	06/18/07	2.25	738.03	--	--	--	--	--	--	--	--	--	--	--	--
	07/02/07	1.71	738.57	1,400	2,400	1,000	2	3	1	4	--	--	--	--	--
	07/16/07	2.26	738.02	--	--	--	--	--	--	--	--	--	--	--	--
	07/26/07	2.22	738.06	1,600	3,200	1,200	9	2	2	1	--	--	--	--	--
	07/30/07	2.22	738.06	1,500	3,200	1,500	4	3	1	2	--	--	--	--	--
	10/24/07	2.01	738.27	1,000	4,000	1,500	7	3	1	1	<0.5	--	--	--	--
	01/23/08	2.35	737.93	1,500	4,500	<950	9	4	2	3	--	--	--	--	--
	04/23/08	1.93	738.35	1,100	2,100	430	5	3	1	3	--	--	--	--	--
	07/24/08	2.92	737.36	1,800	2,800	320	4	3	0.9	2	<0.5	--	--	--	--
	10/20/08	2.25	738.03	1,900	3,700	1,100	10	3	2	3	--	--	--	--	--
	01/14/09	1.60	738.68	1,610	150	<63	3.9	3.8	1.1	<3.0	--	--	--	--	--
	01/14/09 Re-extraction - No Cleanup			--	1,820	2,160	--	--	--	--	--	--	--	--	--
	01/14/09 Re-extraction - Silica Gel Cleanup			--	300	470 J	--	--	--	--	--	--	--	--	--
	04/27/09	2.35	737.93	1,310 c	160	<420	4.9	4.9	2.2	4.0	<1.0	<1.0	<0.010	<1.0	<1.0
	07/28/09	3.66	736.62	2,900	144	<385	22.6	4.3	5.3	5.7	--	--	--	--	--
	10/20/09	2.37	737.91	1,710	764	<388	21.9	7.3	4.3	9.5	--	--	--	--	--
MW-2	02/16/99	1.33	737.45	1,640	<350	<700	30.7	0.901	2.46	<1.0	NA	--	--	--	--
738.78	08/30/00	2.53	736.25	634	660	<500	27.1	2.23	1.12	<2.00	<10	--	--	--	--
	11/16/00	2.07	736.71	994	596	<500	62.9	<2.80	<1.50	<2.15	<5	--	--	--	--
	02/22/01	2.36	736.42	1,240	839	<500	40.2	2.55	<1.76	1.83	4.29	--	--	--	--
	05/31/01	1.93	736.85	1,440	<250	<500	33.6	2.11	0.76	<1.00	--	--	--	--	--
	08/22/01	2.95	735.83	1,020	6,280	<500	56.2	3.07	0.67	1.09	--	--	--	--	--
	11/08/01	1.78	737.00	1,880	<250	<500	108.0	4.42	1.88	<2.00	--	--	--	--	--
	02/05/02	1.73	737.05	1,870	<250	<500	53.1	5.66	2.40	2.71	Detected	--	--	--	--
	05/23/02	1.56	737.22	4,750	1,020	<500	9.8	2.55	1.37	5.26	<20	--	--	--	--
	08/13/02	2.45	736.33	980	740	<500	21.0	2.40	0.73	<1.5	<5	--	--	--	--
	11/06/02	2.58	736.20	1,500	430	<500	39.0	6.10	2.00	<1.5	<5	--	--	--	--
	02/05/03	1.18	737.60	2,180	972	<500	45.0	3.80	2.32	3.52	<2	--	--	--	--
	05/21/03	1.40	737.38	958	2,160	<500	15.4	1.67	0.62	<1	<2	--	--	--	--
	08/20/03	3.20	735.58	780	<250	<500	3.77	0.84	<0.500	<1	<2	--	--	--	--
	11/24/03	1.36	737.42	1,850	9,410	1,880	35.2	2.36	1.23	2.03	<0.5	--	--	--	--
	02/19/04	1.32	737.46	2,560	5,690	<247	15.6	<5	<5	<10	<5	--	--	--	--
	05/19/04	1.86	736.92	1,590	1,630	<241	6.62	2.24	1.60	<2	6.28	--	--	--	--
	08/12/04	1.72	737.06	1,460	2,030	<497	1.02	<1	<1	<2	<1	--	--	--	--
	11/11/04	1.56	737.22	1,160	2,820	<474	3.78	<1	<1	<2	2.14	--	--	--	--
	02/21/05	1.85	736.93	1,190	1,330	<491	2.36	<1	<1	<2	<1	--	--	--	--

TABLE 1

CUMULATIVE SUMMARY OF GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

ConocoPhillips Facility No. 0964 (RM&R No 0964)

668 Griffin Avenue

Enumclaw, Washington

Well ID TOC Elevation	Sample Date	Elevation Data		Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals	
		DTW	GW Elevation	Gasoline Range (µg/L)	Diesel Range (µg/L)	Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
	05/16/05	1.60	737.18	810	1,130	<526	3.21	1.65	<1	<2	2.48	--	--	--	--
	07/15/05	2.40	736.38	1,040	878	<506	1.03	<1	<1	<2	<1	--	--	--	--
	09/06/05	2.18	736.60	770	5,550	480	1.0	<0.7	<0.8	<0.6	--	--	--	--	--
	10/20/05	1.23	737.55	610	8,800	<500	4.0	0.90	<0.5	0.60	<0.5	--	--	--	--
	11/16/05	1.39	737.39	860	10,000	470	2.5	1.0	0.4	1.3	--	--	--	--	--
	12/12/05	--	--	920	5,100	500	2.0	0.9	<0.8	<0.8	--	--	--	--	--
	01/10/06	--	--	850	6,500	1,000	3.0	0.7	<0.8	<0.8	--	--	--	--	--
	01/23/06	0.87	737.91	690	2,600	<980	3.0	<0.7	<0.8	<0.8	<0.5	--	--	--	--
	04/12/06	1.54	737.24	850	3,900	310	3.0	0.6	<0.8	<0.8	<0.5	--	--	--	--
738.93	07/24/06	1.35	737.58	620	3,000	<500	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--
	10/24/06	1.90	737.03	810	4,500	940	5.0	0.6	<0.8	<0.8	<0.5	--	--	--	--
	01/30/07	1.20	737.73	750	12,000	<500	78	11	<0.8	<0.8	--	--	--	--	--
	02/26/07	0.38	738.55	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/07	1.11	737.82	1,100	6,400	<960	92	23	1	<0.8	--	--	--	--	--
	03/26/07	1.15	737.78	--	--	--	--	--	--	--	--	--	--	--	--
	04/09/07	1.12	737.81	854	4,877	<960	12.2	1.53	<0.8	<0.8	--	--	--	--	--
	04/23/07	1.37	737.56	--	--	--	--	--	--	--	--	--	--	--	--
	04/26/07	1.39	737.54	609	4,922	466	54.6	30.1	0.81	1.09	--	--	--	--	--
	05/07/07	1.32	737.61	770	3,800	<480	46	14	<0.8	<0.8	--	--	--	--	--
	05/21/07	1.36	737.57	--	--	--	--	--	--	--	--	--	--	--	--
	06/04/07	1.47	737.46	900	4,900	560	40	15	<0.8	<0.8	--	--	--	--	--
	06/18/07	1.66	737.27	--	--	--	--	--	--	--	--	--	--	--	--
	07/02/07	1.17	737.76	720	4,600	<490	13	4	<0.8	<0.8	--	--	--	--	--
	07/16/07	1.54	737.39	--	--	--	--	--	--	--	--	--	--	--	--
	07/26/07	1.74	737.19	910	5,400	460	8	6	<0.8	<0.8	--	--	--	--	--
	07/30/07	1.84	737.09	610	4,400	<480	6	4	<0.8	<0.8	--	--	--	--	--
	10/24/07	1.35	737.58	690	5,600	1,000	1	3	<0.8	<0.8	<0.5	--	--	--	--
	01/23/08	1.54	737.39	730	4,700	<470	2	2	<0.8	0.8	--	--	--	--	--
	04/23/08	1.56	737.37	530	2,100	<190	0.8	2	<0.8	<0.8	--	--	--	--	--
	07/24/08	1.60	737.13	780	3,000	160	<0.5	2	<0.5	0.5	<0.5	--	--	--	--
	10/20/08	1.70	737.23	800	3,100	290	2	1	<0.8	<0.8	--	--	--	--	--
	01/14/09	1.53	737.40	449	240	<83	2.6	1.2	<1.0	<3.0	--	--	--	--	--
	04/27/09	1.60	737.33	973	400	<420	2.8	2.1	<1.0	<3.0	<1.0	<1.0	<0.010	2.9	1.3
	07/28/09	2.27	736.66	917	122	<388	<1.0	<1.0	1.2	3.1	--	--	--	--	--
	10/20/09	1.76	737.17	1,040	986	<385	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--
MW-3	02/16/99	2.1	737.97	484	<400	<800	16.8	1.21	2.41	<1.0	13.3	--	--	--	--
740.07	08/30/00	3.83	9.00	2,530	<250	<500	96.4	<4.63	<8.37	2.67	43.6	--	--	--	--
	11/16/00	2.60	737.47	1,250	<250	<500	68.4	<2.50	<5.40	<8.20	39.8	--	--	--	--
	02/22/01	2.35	737.72	1,060	271	<500	44.9	<3.08	<8.12	2.31	56.4	--	--	--	--
	05/31/01	2.62	737.45	2,340	<250	<500	40.2	1.69	4.26	1.36	44.6	--	--	--	--
	08/22/01	3.79	736.28	1,800	1,590	<500	12.3	5.43	4.80	<1	49.0	--	--	--	--

TABLE 1
CUMULATIVE SUMMARY OF GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 0964 (RM&R No 0964)
656 Griffin Avenue
Enumclaw, Washington

Well ID TOC Elevation	Sample Date	Elevation Data		Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals	
		DTW	GW Elevation	Gasoline Range (µg/L)	Diesel Range (µg/L)	Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
	11/08/01	2.15	737.92	1,290	<250	<500	41.5	2.18	4.90	4.70	28.1	--	--	--	--
	02/05/02	2.05	738.02	1,470	<250	<500	37.2	3.17	5.64	<1	30.5	--	--	--	--
	05/23/02	2.36	737.71	3,170	<250	<500	38.2	<10	<10	<30	30.8	--	--	--	--
	08/13/02	3.69	736.38	1,100	<250	<500	44	7.7	6.0	<1.5	31	--	--	--	--
	11/06/02	3.95	736.12	1,200	<250	<500	75	11.0	9.3	4.8	30	--	--	--	--
	02/05/03	1.68	738.39	2,170	<250	<500	218	75.6	7.08	39.3	39.9	--	--	--	--
	05/21/03	2.02	738.05	1,670	960	<500	338	52.9	3.64	12.2	43.7	--	--	--	--
	08/20/03	4.86	735.21	1,740	<250	<500	147	10.3	<1	4.72	35.3	--	--	--	--
	11/24/03	2.05	738.02	1,710	4,050	2,190	841	71.5	27.20	42.34	9.19	--	--	--	--
	02/19/04	1.77	738.30	1,410	606	<245	1,080	51.9	12.00	16.62	37	--	--	--	--
	05/19/04	2.46	737.61	2,490	1,010	<238	445	33.2	10.30	10.30	47.6	--	--	--	--
	08/12/04	3.47	736.60	3,690	770	<495	697	30.0	<10	<20	34.3	--	--	--	--
	11/11/04	2.36	737.71	2,150	724	<496	306	11.6	<10	<20	<10	--	--	--	--
	02/21/05	2.79	737.28	2,270	782	<496	225	<10	<10	<20	12.9	--	--	--	--
	05/16/05	1.48	738.59	2,350	1,120	<495	198	10.60	13.40	<2	16.9	--	--	--	--
	07/18/05	2.38	737.69	1,630	496	<501	189	4.63	2.53	6.15	15.6	--	--	--	--
	09/06/05	3.08	736.99	590	690	380	89	1.0	0.8	3.0	--	--	--	--	--
	10/19/05	2.41	737.66	1,200	1,500	370	140	5.0	2.0	6.0	7.0	--	--	--	--
	11/15/05	1.90	738.17	940	1400	530	170	3.6	1.3	<5	--	--	--	--	--
	12/12/05	--	--	740	950	310	250	4.0	2.0	5.0	--	--	--	--	--
	01/10/06	--	--	720	1,200	320	260	3.0	1.0	3.0	--	--	--	--	--
	01/23/06	2.04	738.03	1,200	760	310	99	3.0	3.0	2.0	12	--	--	--	--
	04/12/06	2.26	737.81	1,000	680	150	33	1.0	<0.8	1.0	21	--	--	--	--
740.07	07/24/06	3.41	736.66	870	1,100	260	35	1.0	<0.8	1.0	15	--	--	--	--
	10/24/06	2.77	737.30	920	1,700	450	15	0.8	<0.8	<0.8	13	--	--	--	--
	01/30/07	2.27	737.80	880	1,400	270	12	<0.7	2.0	<0.8	--	--	--	--	--
	02/26/07	1.59	738.48	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/07	1.41	738.66	1,100	2,300	770	26	<0.7	4	<0.8	--	--	--	--	--
	03/26/07	1.41	738.66	--	--	--	--	--	--	--	--	--	--	--	--
	04/09/07	1.65	738.42	1,335	1,481	354	36.8	<0.7	8.75	<0.8	--	--	--	--	--
	04/23/07	2.02	738.05	--	--	--	--	--	--	--	--	--	--	--	--
	04/26/07	2.01	738.06	1,003	1,615	442	13.3	<0.7	1.75	<0.8	--	--	--	--	--
	05/07/07	2.04	738.03	820	1,100	680	25	<0.7	4	<0.8	--	--	--	--	--
	05/21/07	2.02	738.05	--	--	--	--	--	--	--	--	--	--	--	--
	06/04/07	2.17	737.90	760	2,000	930	18	<0.7	1	<0.8	0.6	--	--	--	--
	06/18/07	2.15	737.92	--	--	--	--	--	--	--	--	--	--	--	--
	07/02/07	2.17	737.90	300	1,200	350	4	<0.7	<0.8	<0.8	--	--	--	--	--
	07/18/07	2.64	737.43	--	--	--	--	--	--	--	--	--	--	--	--
	07/26/07	2.08	737.99	580	1,300	320	3	<0.7	<0.8	<0.8	7	--	--	--	--
	07/30/07	2.30	737.77	120	1,600	660	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--
	10/24/07	2.11	737.96	700	1,800	680	4	<0.7	<0.8	<0.8	1	--	--	--	--

TABLE 1

CUMULATIVE SUMMARY OF GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

ConocoPhillips Facility No. 0964 (RM&R No 0964)

666 Griffin Avenue

Enumclaw, Washington

Well ID / TOC Elevation	Sample Date	Elevation Data		Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals	
		DTW	GW Elevation	Gasoline Range (µg/L)	Diesel Range (µg/L)	Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
	01/23/08	2.17	737.90	470	1,200	230	2	<0.7	<0.8	<0.8	2	--	--	--	--
	04/23/08	2.22	737.85	450	640	<95	2	<0.7	<0.8	<0.8	0.9	--	--	--	--
	07/24/08	2.81	737.26	680	690	<98	0.6	<0.5	<0.5	0.6	0.6	--	--	--	--
	10/20/08	2.32	737.75	720	860	220	270	2	<0.8	<0.8	--	--	--	--	--
	01/14/09	1.84	738.23	645	180	<83	420	0.4	<1.0	<3.0	--	--	--	--	--
	04/27/09	2.34	737.73	972	<84	<420	607	31.5	<1.0	3.3	<1.0	<1.0	<0.010	<1.0	<1.0
	07/28/09	3.25	736.82	1,120	117	<400	254	5.1	2.2	4.2	--	--	--	--	--
	10/20/09	2.66	737.41	1,230	244	<385	598	13.0	6.3	39.3	--	--	--	--	--
MW-4	02/19/99	2.1	737.97	484	<400	<800	16.8	1.21	2.41	<1.0	13.3	--	--	--	--
740.07	08/30/00	3.83	736.24	1,480	1,680	<500	<1.43	<0.910	<0.950	<1	<5	--	--	--	--
	11/15/00	2.60	737.47	1,140	1,920	<500	<7.20	<0.690	<2.82	<1.35	<5	--	--	--	--
	02/22/01	2.35	737.72	1,380	3,410	<500	<2.02	<1.36	<1.92	<2	6.01	--	--	--	--
	05/31/01	2.82	737.45	1,880	9,950	<500	1.37	<0.5	1.76	<1	<2	--	--	--	--
	08/22/01	3.79	736.28	1,710	3,790	649	8.68	<0.5	<0.500	<1	Detected	--	--	--	--
	11/08/01	2.15	737.92	1,060	5,330	<500	2.01	1.35	0.99	<2	Detected	--	--	--	--
	02/05/02	2.05	738.02	1,300	1,990	<500	2.63	<0.5	1.24	<1	22.9	--	--	--	--
	05/23/02	2.38	737.71	2,540	438	<500	1.77	<1	1.07	<3	<2	--	--	--	--
	08/13/02	3.69	736.38	1,000	450	<500	12.00	4.1	1.30	<1.5	<5	--	--	--	--
	11/06/02	3.95	736.12	830	740	<500	8.00	3.6	1.70	<1.5	<5	--	--	--	--
	02/05/03	1.68	738.39	1,300	2,160	<500	0.59	0.89	1.01	<1	<2	--	--	--	--
	05/21/03	2.02	738.05	569	1,350	<500	0.94	<0.5	<0.5	<1	<2	--	--	--	--
	08/20/03	4.86	735.21	919	649	<500	0.55	<0.5	<0.5	<1	<2	--	--	--	--
	11/24/03	2.05	738.02	1,680	4,310	1,310	7.31	1.19	1.5	2.83	<0.5	--	--	--	--
	02/19/04	1.77	738.30	3,100	10,400	345	9.95	<5.0	<5.0	<10	<5	--	--	--	--
	05/19/04	2.46	737.61	2,060	5,510	249	6.61	6.48	4.19	<2	18	--	--	--	--
	08/12/04	3.47	736.60	1,680	7,180	<501	2.35	<1.0	<1.0	<2.0	<1.0	--	--	--	--
	11/11/04	2.38	737.71	1,400	8,920	<498	1.82	<1.0	1.11	<2.0	3.08	--	--	--	--
	02/21/05	2.79	737.28	1,580	3,620	<495	<10	<10	<10	<20	<10	--	--	--	--
	05/16/05	1.48	738.59	1,360	6,220	<498	3.80	2.91	1.51	<2	23.90	--	--	--	--
	07/16/05	2.38	737.69	1,110	1,040	<477	2.34	<1.0	<1.0	<2.0	<1.0	--	--	--	--
	09/06/05	3.08	736.99	1,500	3,400	350	8.0	<0.7	5.0	1.0	--	--	--	--	--
	10/19/05	2.41	737.66	890	5,200	<960	2.0	<0.5	0.70	<0.5	<0.5	--	--	--	--
	11/15/05	1.90	738.17	1,300	2,800	580	2.5	2.6	2.0	<3	--	--	--	--	--
	12/12/05	--	--	1,200	3,400	400	4.0	1.0	4.0	2.0	--	--	--	--	--
	01/10/06	--	--	1,300	2,500	770	3.0	<0.7	2.0	<0.8	--	--	--	--	--
	01/23/08	2.04	738.03	920	5,700	<980	1.0	<0.7	<0.8	<0.8	<0.5	--	--	--	--
	04/12/08	2.26	737.81	1,200	2,400	220	1.0	<0.7	<0.8	<0.8	<0.5	--	--	--	--

TABLE 1

CUMULATIVE SUMMARY OF GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

ConocoPhillips Facility No. 0964 (RM&R No 0964)

656 Griffin Avenue

Enumclaw, Washington

Well ID TOC Elevation	Sample Date	Elevation Data		Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals	
		DTW	GW Elevation	Gasoline Range (µg/L)	Diesel Range (µg/L)	Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
740.07	07/24/06	3.41	736.66	640	2,800	<500	0.9	<0.7	<0.8	<0.8	<0.5	--	--	--	--
	10/24/06	2.77	737.30	930	3,100	680	0.8	<0.7	<0.8	<0.8	<0.5	--	--	--	--
	01/30/07	2.27	737.80	880	2,900	<500	0.7	<0.7	<0.8	<0.8	--	--	--	--	--
	02/26/07	1.59	738.48	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/07	1.41	738.66	1,300	2,200	<500	1	<0.7	<0.8	<0.8	--	--	--	--	--
	03/26/07	1.41	738.66	--	--	--	--	--	--	--	--	--	--	--	--
	04/09/07	1.65	738.42	1,090	1,964	<500	1.15	<0.7	0.870	<0.8	--	--	--	--	--
	04/23/07	2.02	738.05	--	--	--	--	--	--	--	--	--	--	--	--
	04/26/07	2.01	738.06	598	7,450	<1,000	0.66	1.40	<0.8	3.37	--	--	--	--	--
	05/07/07	2.04	738.03	1,200	2,600	<480	1	<0.7	2	<0.8	--	--	--	--	--
	05/21/07	2.02	738.05	--	--	--	--	--	--	--	--	--	--	--	--
	06/04/07	2.17	737.90	1,400	18,000	<960	2	0.7	1	3	--	--	--	--	--
	06/18/07	2.15	737.92	--	--	--	--	--	--	--	--	--	--	--	--
	07/02/07	2.17	737.90	1,100	15,000	<500	1	<0.7	1	<0.8	--	--	--	--	--
	07/16/07	2.64	737.43	--	--	--	--	--	--	--	--	--	--	--	--
	07/26/07	2.08	737.99	690	5,500	<480	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--
	07/30/07	2.30	737.77	1,200	8,400	<480	4	1	2	2	--	--	--	--	--
	10/24/07	2.1	737.97	1,100	3,100	<950	1	<0.7	<0.8	<0.8	<0.5	--	--	--	--
	01/23/08	2.19	737.88	950	2,300	270	0.9	<0.7	<0.8	<0.8	--	--	--	--	--
	04/23/08	2.31	737.76	750	3,000	<190	1	<0.7	<0.8	<0.8	--	--	--	--	--
	07/24/08	3.23	736.84	1,100	1,500	110	1	0.60	1.00	0.90	<0.5	--	--	--	--
	10/20/08	2.30	737.77	1,600	2,100	360	4	<0.7	1	1	--	--	--	--	--
	01/14/09	2.05	-2.05	1,280	510	<63	2.0	<1.0	1.9	<3.0	--	--	--	--	--
	01/14/09 Re-extraction - No Cleanup			--	1,900	930	--	--	--	--	--	--	--	--	--
	01/14/09 Re-extraction - Silica Gel Cleanup			--	690	190 J	--	--	--	--	--	--	--	--	--
	04/27/09	2.42	737.65	1,590	350	<430	3.0	1.4	2.7	<3.0	<1.0	<1.0	<0.010	<1.0	<1.0
	07/28/09	3.9	736.17	1,310	<77.7	<388	2.8	<1.0	2.1	3.3	--	--	--	--	--
	10/20/09	2.41	737.66	1,510	745	<388	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--

TABLE 1
CUMULATIVE SUMMARY OF GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 0964 (RM&R No 0964)
668 Griffin Avenue
Enumclaw, Washington

Well ID TOC Elevation	Sample Date	Elevation Data		Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals	
		DTW	GW Elevation	Gasoline Range (µg/L)	Diesel Range (µg/L)	Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MW-5	02/16/99	1.65	738.64	<80	<400	<800	<0.5	<0.5	<0.5	<1.0	<2.0	--	--	--	--
740.29	08/30/00	2.84	737.45	<50	<250	<500	<0.5	<0.5	<0.5	<1	<5	--	--	--	--
	11/16/00	2.25	738.04	55	<250	<500	<0.5	<0.5	0.64	2.30	<5	--	--	--	--
	02/22/01	1.92	738.37	<50	<250	<500	<0.5	<0.5	<0.5	1.02	<1	--	--	--	--
	05/31/01	2.22	738.07	101	<250	<500	<0.5	<0.5	<0.5	<1	--	--	--	--	--
	08/22/01	2.53	737.76	<80	827	622	<0.5	<0.5	<0.5	<1	--	--	--	--	--
	11/08/01	1.73	738.56	103	<250	<500	<0.5	<0.5	<0.5	<2	--	--	--	--	--
	02/05/02	1.51	738.78	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	--	--	--	--
	05/23/02	1.60	738.69	<100	<323	<645	<1	<1	<1	<3	<2	--	--	--	--
	08/13/02	3.15	737.14	<100	<250	<500	<0.5	<0.5	<0.5	<1.5	<5	--	--	--	--
	11/06/02	3.63	736.66	<100	<250	<500	<0.5	<0.5	<0.5	<1.5	<5	--	--	--	--
	02/05/03	1.30	738.99	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	--	--	--	--
	05/21/03	1.36	738.93	<80	1,390	739	<0.5	<0.5	<0.5	<1	<2	--	--	--	--
	08/20/03	4.18	736.11	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	--	--	--	--
	11/24/03	1.62	738.67	308	1,830	2,360	0.49	<0.5	<0.5	0.67	<0.5	--	--	--	--
	02/19/04	1.49	738.80	105	<124	<248	<1	<1	<1	1.08	<1	--	--	--	--
	05/19/04	2.00	738.29	120	215	<238	<1	<1	<1	<2	<1	--	--	--	--
	08/12/04	3.06	737.23	<100	<251	<502	<1	<1	<1	<2	<1	--	--	--	--
	11/11/04	1.74	738.55	<100	322	<499	<1	<1	<1	<2	<1	--	--	--	--
	02/21/05	2.36	737.93	<100	<247	<494	<1	<1	<1	<2	<1	--	--	--	--
	05/16/05	1.23	739.06	1,250	725	<508	3.42	2.66	<1	<2	18.6	--	--	--	--
	07/18/05	1.94	738.35	179	771	<476	<1	<1	<1	<2	<1	--	--	--	--
	10/19/05	1.58	738.71	<48	1,300	650	<0.5	<0.5	0.50	1.0	<0.5	--	--	--	--
	01/23/06	1.21	739.08	<48	3,300	1,400	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--
	04/12/06	1.39	738.90	<48	3,000	1,100	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--
740.28	07/24/06	2.98	737.30	<48	3,300	2,000	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--
	10/24/06	2.43	737.85	130	1,500	1,100	<0.5	<0.7	<0.8	1.0	<0.5	--	--	--	--
	01/30/07	1.86	738.42	<48	3,300	860	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--
	02/26/07	1.23	739.05	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/07	0.99	739.29	100	2,600	1,500	<0.5	<0.7	<0.8	1	--	--	--	--	--
	03/26/07	1.09	739.19	--	--	--	--	--	--	--	--	--	--	--	--
	04/09/07	1.24	739.04	<50	2,778	1,058	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--
	04/23/07	1.56	738.72	--	--	--	--	--	--	--	--	--	--	--	--
	04/26/07	1.57	738.71	52.8	2,741	768	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--
	05/07/07	1.56	738.72	74	1,900	1,600	<0.5	<0.7	<0.8	1	--	--	--	--	--
	05/21/07	1.41	738.87	--	--	--	--	--	--	--	--	--	--	--	--
	06/04/07	1.85	738.43	120	3,600	2,500	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--
	06/18/07	1.78	738.50	--	--	--	--	--	--	--	--	--	--	--	--
	07/02/07	1.49	738.79	130	1,900	970	<0.5	<0.7	1	3	--	--	--	--	--
	07/16/07	2.26	738.02	--	--	--	--	--	--	--	--	--	--	--	--
	07/26/07	1.62	738.66	77	2,900	2,000	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--
	07/30/07	1.91	738.37	100	2,500	1,900	<0.5	<0.7	0.8	0.8	--	--	--	--	--
	10/24/07	1.58	738.70	78	3,100	2,100	<0.5	<0.7	1	3	<.5	--	--	--	--
	01/23/08	1.81	738.47	67	3,500	970	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--
	04/23/08	1.91	738.37	81	2,900	2,200	<0.5	<0.7	<0.8	2	--	--	--	--	--
	07/24/08	2.91	737.37	<50	1,800	1,100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	10/20/08	2.16	738.12	280	1,900	650	60	31	2	7	--	--	--	--	--
	01/14/09	1.50	-1.50	202	54 J	<63	64	15	9.9	30	--	--	--	--	--
	01/14/09 Re-extraction - No Cleanup			--	2,600	1,900	--	--	--	--	--	--	--	--	--
	01/14/09 Re-extraction - Silica Gel Cleanup			--	130	<61	--	--	--	--	--	--	--	--	--
	04/27/09	1.99	738.29	381	98	<420	46.7	29.4	9.2	39.7	<1.0	<1.0	<0.010	<1.0	<1.0
	07/28/09	Inaccessible													
	10/20/09	2.03	738.25	1,810	462	<396	47.9	67.6	47.5	345	--	--	--	--	--

TABLE 1

CUMULATIVE SUMMARY OF GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

ConocoPhillips Facility No. 0964 (RM&R No 0964)

666 Griffin Avenue

Enumclaw, Washington

Well ID / TOC Elevation	Sample Date	Elevation Data		Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals	
		DTW	GW Elevation	Gasoline Range (µg/L)	Diesel Range (µg/L)	Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Total Lead (µg/L)	Dissolved Lead (ug/L)
MW-6	04/27/00	--	--	3,000	<250	<500	84.6	162	62.3	533	21.1	--	--	--	--
739.35	08/30/00	2.85	736.50	642	<250	<500	44.7	1.47	8.99	3.84	19.1	--	--	--	--
	11/16/00	2.68	736.67	488	<250	<500	33.3	<0.917	7.14	<2.95	13.4	--	--	--	--
	02/22/01	2.50	736.85	473	<250	<500	47.7	<1.84	3.21	<1	9.55	--	--	--	--
	05/31/01	2.68	736.67	613	<250	<500	42.3	<0.5	<0.5	<1	2.38	--	--	--	--
	08/22/01	3.89	735.46	214	412	<500	<0.5	<0.5	<0.5	<1	4.29	--	--	--	--
	11/08/01	2.59	736.76	423	<250	<500	3.84	<0.5	<0.5	<2	<2	--	--	--	--
	02/05/02	2.18	737.17	359	<250	<500	14.4	4.14	<0.5	<1	<2	--	--	--	--
	05/23/02	2.24	737.11	1,830	292	<500	240	1.15	<1.00	<3	<2	--	--	--	--
	08/13/02	2.94	736.41	550	<250	<500	29	1.30	3.40	<2	<5	--	--	--	--
	11/06/02	3.82	735.53	440	<250	<500	12	0.78	2.90	1.80	<5	--	--	--	--
	02/05/03	2.20	737.15	77,300	<250	<500	6,170	19,300	1,430	7,090	<400	--	--	--	--
	03/28/03	2.02	737.33	37,100	--	--	2,380	7,910	1,280	5,420	--	--	--	--	--
	05/21/03	2.16	737.19	14,000	<250	<500	1,290	1,830	568	2,310	<40	--	--	--	--
	08/20/03	4.26	735.09	3,250	<250	<500	776	11.20	206	102	<40	--	--	--	--
	11/24/03	2.24	737.11	1,830	2,200	1,050	249	2.83	23.8	107.38	1.85	--	--	--	--
	02/19/04	2.08	737.27	1,870	645	253	180	<5	14.1	60.0	<5	--	--	--	--
	05/19/04	2.41	736.94	1,550	885	520	89.3	1.94	3.93	16.7	3.16	--	--	--	--
	08/12/04	Well not accessible										--	--	--	--
	11/11/04	1.48	737.89	111	<246	<491	<1	<1	<1	<2	1.63	--	--	--	--
	02/21/05	1.95	737.40	1,030	371	<493	6.98	<1	<1	<2	<1	--	--	--	--
	05/16/05	2.17	737.18	384	324	<494	1.73	<1	1.14	1.59	<1	--	--	--	--
	07/18/05	2.06	737.29	348	<249	<498	12.30	<1	<1	<2	<1	--	--	--	--
	10/20/05	2.22	737.13	320	500	150	5.0	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	01/23/06	1.92	737.43	170	210	260	110	1.0	<0.8	<0.8	1.0	--	--	--	--
	04/12/06	2.38	736.97	450	<400	<500	180	4.0	10	3.0	3.0	--	--	--	--
739.49	07/24/06	2.74	736.75	470	400	<99	42	1.0	<0.8	0.8	1.0	--	--	--	--
	10/24/06	2.98	736.51	300	320	<95	1.0	<0.7	<0.8	<0.8	0.8	--	--	--	--
	01/30/07	2.23	737.26	180	390	200	0.9	<0.7	<0.8	<0.8	--	--	--	--	--
	04/26/07	2.20	737.29	329	132	<100	5.71	<0.7	<0.8	<0.8	--	--	--	--	--
	05/21/07	2.36	737.13	--	--	--	--	--	--	--	--	--	--	--	--
	07/26/07	2.16	737.33	360	370	98	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--
	10/24/07	1.95	737.54	330	390	230	1	11	<0.8	<0.8	<0.5	--	--	--	--
	01/23/08	2.14	737.35	290	240	<94	0.8	<0.7	<0.8	<0.8	--	--	--	--	--
	04/23/08	2.24	737.25	380	130	<95	0.8	<0.7	<0.8	<0.8	--	--	--	--	--
	07/24/08	2.45	737.04	570	310	<97	<0.5	3	<0.5	<0.5	<0.5	--	--	--	--
	10/20/08	2.33	737.16	480	130	<99	<0.5	1	<0.8	<0.8	--	--	--	--	--
	01/14/09	2.05	737.44	327	<38	<63	11	9.1	<1.0	<3.0	--	--	--	--	--
	04/27/09	2.05	737.44	568	<85	<430	<1.0	1.5	<1.0	<3.0	<1.0	<1.0	<0.010	<1.0	<1.0
	07/28/09	2.92	736.57	450	<78.9	<385	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--
	10/20/09	2.45	737.04	400	204	<385	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--

TABLE 1
CUMULATIVE SUMMARY OF GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 0964 (RM&R No 0964)
656 Griffin Avenue
Enumclaw, Washington

Well ID TOC Elevation	Sample Date	Elevation Data		Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals	
		DTW	GW Elevation	Gasoline Range (µg/L)	Diesel Range (µg/L)	Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MW-7	04/27/00	--	--	<80	<250	<500	<0.5	<0.5	<0.5	<1.0	<2.0	--	--	--	--
739.02	08/30/00	4.07	734.95	<50	<250	<500	<0.5	<0.5	<0.5	<1	<5	--	--	--	--
	11/16/00	2.92	736.10	<50	<250	<500	<0.5	<0.5	<0.5	<1	<5	--	--	--	--
	02/22/01	4.84	734.18	<50	<250	<500	<0.5	<0.5	<0.5	<1	<1	--	--	--	--
	05/31/01	3.11	735.91	<80	<250	<500	<0.5	<0.5	<0.5	<1	--	--	--	--	--
	08/22/01	3.38	735.64	<80	<250	<500	<0.5	<0.5	<0.5	<1	--	--	--	--	--
	11/08/01	2.40	736.62	<80	<250	<500	<0.5	<0.5	<0.5	<2	--	--	--	--	--
	02/05/02	2.15	736.87	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	--	--	--	--
	05/23/02	2.74	736.28	<100	<250	<500	<1	<1	<1	<3	<2	--	--	--	--
	08/13/02	4.31	734.71	<100	<250	<500	<0.5	<0.5	<0.5	<1.5	<5	--	--	--	--
	11/06/02	4.38	734.64	<100	<250	<500	<0.5	<0.5	<0.5	<1.5	<5	--	--	--	--
	02/05/03	1.72	737.30	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	--	--	--	--
	05/21/03	2.31	736.71	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	--	--	--	--
	08/20/03	5.66	733.36	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	--	--	--	--
	11/24/03	1.67	737.35	129	<120	<480	0.89	<0.5	<0.5	<1	<0.5	--	--	--	--
	02/19/04	1.64	737.38	<100	<123	<246	<1	<1	<1	<2	<1	--	--	--	--
	05/19/04	2.77	736.25	<100	<120	<239	<1	<1	<1	<2	<1	--	--	--	--
	08/12/04	3.50	735.52	<100	<245	<490	<1	<1	<1	<2	<1	--	--	--	--
	11/11/04	2.58	736.44	<100	<247	<494	<1	<1	<1	<2	<1	--	--	--	--
	02/21/05	3.19	735.83	<100	<265	<531	<1	<1	<1	<2	<1	--	--	--	--
	05/16/05	1.68	737.34	<100	<247	<493	<1	<1	<1	<2	<1	--	--	--	--
	07/16/05	2.77	736.25	<100	<261	<521	<1	<1	<1	<2	<1	--	--	--	--
	10/19/05	2.22	736.80	<48	79	<98	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	01/23/06	2.14	736.88	<48	<78	170	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--
	04/12/06	2.30	736.72	<48	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--
739.27	07/24/06	3.95	735.32	<48	<78	<98	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--
	10/24/06	3.14	736.13	<48	<79	140	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--
	01/30/07	2.59	736.68	Gauge only											
	04/26/07	2.22	737.05	Gauge only											
	07/26/07	2.24	737.03	Gauge only											
	10/24/07	2.01	737.26	Gauge only											
	01/23/08	2.30	736.97	Gauge only											
	04/23/08	2.15	737.12	Gauge only											
	07/24/08	--	--	Well was not gauged											
	10/20/08	2.20	737.07	Gauge only											
	01/14/09	1.60	737.67	Gauge only											
	04/27/09	2.76	736.51	<50.0	<84	<420	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.010	<1.0	<1.0
	07/28/09	4.00	735.27	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--
	10/20/09	2.19	737.08	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--

TABLE 1

CUMULATIVE SUMMARY OF GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

ConocoPhillips Facility No. 0964 (RM&R No 0964)

666 Griffin Avenue

Enumclaw, Washington

Well ID TOC Elevation	Sample Date	Elevation Data		Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals	
		DTW	GW Elevation	Gasoline Range (µg/L)	Diesel Range (µg/L)	Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MW-8	04/27/00	–	–	<80	<250	<500	<0.5	2.57	1.31	8.96	<2.0	–	–	–	–
738.79	08/30/00	7.81	730.98	<50	<250	<500	<0.5	<0.5	<0.5	<1	<5	–	–	–	–
	11/16/00	4.96	733.83	<50	<250	<500	<0.5	<0.5	<0.5	<1	<5	–	–	–	–
	02/22/01	5.97	732.82	<50	<250	<500	<0.5	<0.5	<0.5	<1	<1	–	–	–	–
	05/31/01	6.68	732.11	<80	<250	<500	<0.5	<0.5	<0.5	<1	–	–	–	–	–
	08/22/01	8.68	730.11	<80	<250	<500	<0.5	<0.5	<0.5	<1	–	–	–	–	–
	11/08/01	6.54	732.25	<80	<250	<500	<0.5	<0.5	<0.5	<2	–	–	–	–	–
	02/05/02	5.59	733.20	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	–	–	–	–
	05/23/02	5.86	732.93	<100	<333	<667	<1	<1	<1	<3	<2	–	–	–	–
	08/13/02	7.78	731.01	<100	<250	<500	<0.5	<0.5	<0.5	<1.5	<5	–	–	–	–
	11/06/02	8.15	730.64	<100	<250	<500	<0.5	<0.5	<0.5	<1.5	<5	–	–	–	–
	02/05/03	4.72	734.07	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	–	–	–	–
	05/21/03	5.25	733.54	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	–	–	–	–
	08/20/03	8.36	730.43	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	–	–	–	–
	11/24/03	4.49	734.30	53.50	<126	<252	<0.25	<0.5	<0.5	<1	<0.5	–	–	–	–
	02/19/04	5.07	733.72	<100	<127	<254	<1	<1	<1	<2	<1	–	–	–	–
	05/19/04	6.02	732.77	<100	<118	<237	<1	<1	<1	<2	<1	–	–	–	–
	08/12/04	7.54	731.25	<100	<248	<496	<1	<1	<1	<2	<1	–	–	–	–
	11/11/04	5.99	732.80	<100	<250	<500	<1	<1	<1	<2	<1	–	–	–	–
	02/21/05	6.35	732.44	<100	<244	<488	<1	<1	<1	<2	<1	–	–	–	–
	05/16/05	3.82	734.97	<100	<259	<518	<1	<1	<1	<2	<1	–	–	–	–
	07/18/05	5.58	733.21	<100	<257	<515	<1	<1	<1	<2	<1	–	–	–	–
	10/19/05	5.59	733.20	<48	110	<97	<0.5	<0.5	<0.5	<0.5	<0.5	–	–	–	–
	01/24/06	3.43	735.36	<48	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	–	–	–	–
	04/12/06	4.60	734.19	<48	<80	<100	<0.5	<0.7	<0.8	<0.8	<0.5	–	–	–	–
738.94	07/24/06	6.57	732.37	<48	<79	<98	<0.5	<0.7	<0.8	<0.8	<0.5	–	–	–	–
	10/24/06	3.48	735.46	<48	<76	<94	<0.5	<0.7	<0.8	<0.8	<0.5	–	–	–	–
	01/30/07	5.05	733.89	Gauge only											
	04/26/07	4.43	734.51	Gauge only											
	07/26/07	4.77	734.17	Gauge only											
	10/24/07	4.24	734.70	Gauge only											
	01/23/08	4.30	734.64	Gauge only											
	04/23/08	3.98	734.96	Gauge only											
	07/24/08	–	–	Well was not gauged											
	10/20/08	–	–	Well Destroyed - Not gauged or sampled											
	01/14/09	–	–	Well Destroyed - Not gauged or sampled											
	04/27/09	–	–	Well Destroyed - Not gauged or sampled											
	07/28/09	–	–	Well Destroyed - Not gauged or sampled											
	10/20/09	–	–	Well Destroyed - Not gauged or sampled											

TABLE 1
CUMULATIVE SUMMARY OF GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 0964 (RM&R No 0964)
666 Griffin Avenue
Enumclaw, Washington

Well ID TOC Elevation	Sample Date	Elevation Data		Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals	
		DTW	GW Elevation	Gasoline Range (µg/L)	Diesel Range (µg/L)	Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MW-8	04/27/00	--	--	<80	<250	<500	<0.5	<0.5	<0.5	<01.0	<2.0	--	--	--	--
738.66	06/30/00	4.22	734.44	<50	<250	<500	<0.5	<0.5	<0.5	<1	<5	--	--	--	--
	11/16/00	5.29	733.37	<50	<250	<500	<0.5	<0.5	<0.5	<1	<5	--	--	--	--
	02/22/01	4.49	734.17	<50	<250	<500	<0.5	<0.5	<0.5	<1	<1	--	--	--	--
	05/31/01	4.65	734.01	<80	<250	<500	<0.5	<0.5	<0.5	<1	--	--	--	--	--
	08/22/01	2.77	735.89	<80	<250	<500	<0.5	<0.5	<0.5	<1	--	--	--	--	--
	11/08/01	4.82	733.84	<80	<250	<500	<0.5	<0.5	<0.5	<2	--	--	--	--	--
	02/05/02	3.92	734.74	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	--	--	--	--
	05/23/02	3.88	734.78	<100	272	<500	<1	<1	<1	<3	<2	--	--	--	--
	08/13/02	6.65	732.01	<100	<250	<500	<0.5	<0.5	<0.5	<1.5	<5	--	--	--	--
	11/06/02	6.33	732.33	<100	<250	<500	<0.5	<0.5	<0.5	<1.5	<5	--	--	--	--
	02/05/03	3.05	735.61	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	--	--	--	--
	05/21/03	2.53	736.13	251	<250	<500	<0.5	<0.5	<0.5	<1	<2	--	--	--	--
	08/20/03	7.28	731.38	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	--	--	--	--
	11/24/03	3.38	735.28	<100	<120	<240	<0.25	<0.5	<0.5	<1	<0.5	--	--	--	--
	02/19/04	2.97	735.69	<100	<124	<248	<1	<1	<1	<2	<1	--	--	--	--
	05/19/04	4.11	734.55	<100	<119	<238	<1	<1	<1	<2	<1	--	--	--	--
	08/12/04	6.49	732.17	<100	<238	<476	<1	<1	<1	<2	<1	--	--	--	--
	11/11/04	4.71	733.95	<100	<248	<496	<1	<1	<1	<2	<1	--	--	--	--
	02/21/05	5.69	732.97	<100	<244	<488	<1	<1	<1	<2	<1	--	--	--	--
	05/16/05	2.91	735.75	<100	<242	<483	<1	<1	<1	<2	<1	--	--	--	--
	07/16/05	4.05	734.61	<100	<245	<490	<1	<1	<1	<2	<1	--	--	--	--
	10/19/05	3.11	735.55	<48	<78	<97	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	01/24/06	2.71	735.95	<48	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--
	04/12/06	3.14	735.52	<48	<160	<200	<0.5	<0.7	<0.8	<0.6	<0.5	--	--	--	--
738.81	07/24/06	5.03	733.78	<48	<79	<99	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--
	10/24/06	5.02	733.79	<48	<67	<110	<0.5	<0.7	<0.8	<0.6	<0.5	--	--	--	--
	01/30/07	3.38	735.43	Gauge only											
	04/26/07	2.62	736.19	Gauge only											
	07/26/07	2.71	736.10	Gauge only											
	10/24/07	2.68	736.13	Gauge only											
	01/23/08	2.68	736.13	Gauge only											
	04/23/08	2.43	736.38	Gauge only											
	07/24/08	5.55	733.26	<50	<78	<97	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	10/20/08	--	--	Well Destroyed - Not gauged or sampled											
	01/14/09	--	--	Well Destroyed - Not gauged or sampled											
	04/27/09	--	--	Well Destroyed - Not gauged or sampled											
	07/28/09	--	--	Well Destroyed - Not gauged or sampled											
	10/20/09	--	--	Well Destroyed - Not gauged or sampled											

TABLE 1
CUMULATIVE SUMMARY OF GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 0964 (RM&R No 0964)
666 Griffin Avenue
Enumclaw, Washington

Well ID TOC Elevation	Sample Date	Elevation Data		Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals	
		DTW	GW Elevation	Gasoline Range (µg/L)	Diesel Range (µg/L)	Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MW-10	04/27/00	--	--	<80	<250	<500	<0.5	<0.5	<0.5	<1.0	<2.0	--	--	--	--
739.25	08/30/00	5.89	733.26	<50	<250	<500	<0.5	<0.5	<0.5	<1	<5	--	--	--	--
	11/16/00	6.83	732.42	<50	<250	<500	<0.5	<0.5	<0.5	<1	<5	--	--	--	--
	02/22/01	7.74	731.51	<50	<250	<500	<0.5	<0.5	<0.5	<1	<1	--	--	--	--
	05/31/01	5.02	734.23	<80	<250	<500	<0.5	<0.5	<0.5	<1	--	--	--	--	--
	08/22/01	6.08	733.17	<80	<250	<500	<0.5	<0.5	<0.5	<1	--	--	--	--	--
	11/08/01	4.18	735.07	<80	<250	<500	<0.5	<0.5	<0.5	<2	--	--	--	--	--
	02/05/02	3.90	735.35	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	--	--	--	--
	05/23/02	4.90	734.35	<100	<250	<500	<1	<1	<1	<3	<2	--	--	--	--
	08/13/02	6.15	733.10	<100	<250	<500	<0.5	<0.5	<0.5	<1.5	<5.0	--	--	--	--
	11/06/02	6.23	733.02	<100	<250	<500	<0.5	<0.5	<0.5	<1.5	<5.0	--	--	--	--
	02/05/03	3.74	735.51	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	--	--	--	--
	05/21/03	4.85	734.40	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	--	--	--	--
	08/20/03	7.25	732.00	<80	<250	<500	<0.5	<0.5	<0.5	<1	<2	--	--	--	--
	11/24/03	3.25	736.00	<100	--[6]	--[6]	<0.25	<0.5	<0.5	<1	<0.5	--	--	--	--
	02/19/04	4.45	734.80	<100	<125	<251	<1	<1	<1	<2	<1	--	--	--	--
	05/19/04	5.60	733.65	<100	<118	<236	<1	<1	<1	<2	<1	--	--	--	--
	08/12/04	6.68	732.57	<100	<246	<492	<1	<1	<1	<2	<1	--	--	--	--
	11/11/04	5.21	734.04	<100	<269	<539	<1	<1	<1	<2	<1	--	--	--	--
	02/21/05	5.66	733.59	<100	<245	<490	<1	<1	<1	<2	<1	--	--	--	--
	05/16/05	4.39	734.86	<100	<246	<493	<1	<1	<1	<2	<1	--	--	--	--
	07/18/05	5.59	733.66	<100	<248	<496	<1	<1	<1	<2	<1	--	--	--	--
	10/19/05	5.22	734.03	<48	210	170	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	01/24/06	4.30	734.95	<48	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--
	04/12/06	5.12	734.13	<48	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--
739.43	07/24/06	6.35	733.08	<48	<80	<100	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--
	10/25/06	6.36	733.07	<48	<78	150	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--
	01/30/07	4.79	734.64	Gauge only											
	04/26/07	5.09	734.34	Gauge only											
	07/26/07	5.60	733.83	Gauge only											
	10/24/07	4.68	734.75	Gauge only											
	01/23/08	4.83	734.60	Gauge only											
	04/23/08	4.99	734.44	Gauge only											
	07/24/08	6.24	733.19	<50	<78	<97	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	10/20/08	--	--	Well Destroyed - Not gauged or sampled											
	01/14/09	--	--	Well Destroyed - Not gauged or sampled											
	04/27/09	--	--	Well Destroyed - Not gauged or sampled											
	07/28/09	--	--	Well Destroyed - Not gauged or sampled											
	10/20/09	--	--	Well Destroyed - Not gauged or sampled											

TABLE 1
CUMULATIVE SUMMARY OF GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 0964 (RM&R No 0964)
668 Griffin Avenue
Enumclaw, Washington

Well ID TOC Elevation	Sample Date	Elevation Data		Total Petroleum Hydrocarbons			Aromatic Hydrocarbons							Metals	
		DTW	GW Elevation	Gasoline Range (µg/L)	Diesel Range (µg/L)	Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MW-11	08/20/03	13.27	723.37	<80	<357	<714	<0.5	<0.5	<0.5	<1	<2	–	–	–	–
736.64	11/24/03	6.35	730.29	<100	<120	<241	<0.25	<0.5	<0.5	<1	<0.5	–	–	–	–
	02/19/04	5.26	731.38	<100	<131	<262	<1	<1	<1	<2	<1	–	–	–	–
	05/18/04	7.18	729.46	<100	<124	<249	<1	<1	<1	<2	<1	–	–	–	–
	08/12/04	12.53	724.11	<100	<271	<542	<1	<1	<1	<2	<1	–	–	–	–
	11/11/04	7.17	729.47	<100	<267	<533	<1	<1	<1	<2	<1	–	–	–	–
	02/21/05	7.33	729.31	<100	<248	<491	<1	<1	<1	<2	<1	–	–	–	–
	05/16/05	3.61	733.03	<100	<245	<489	<1	<1	<1	<2	<1	–	–	–	–
	07/18/05	5.42	731.22	<100	<240	<479	<1	<1	<1	<2	<1	–	–	–	–
	10/19/05	6.05	730.59	<48	<800	<1,0009	<0.5	<0.5	<0.5	<0.5	<0.5	–	–	–	–
	01/24/06	3.63	733.01	<48	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	–	–	–	–
	04/12/16	4.46	732.18	<48	<160	<200	<0.5	<0.7	<0.8	<0.8	<0.5	–	–	–	–
736.36	07/24/06	7.72	730.64	<48	<83	<100	<0.5	<0.7	<0.8	<0.8	<0.5	–	–	–	–
	10/24/06	8.32	730.04	<48	<78	<98	<0.5	<0.7	<0.8	<0.8	<0.5	–	–	–	–
	01/30/07	5.58	732.78	Gauge only											
	04/26/07	4.46	733.90	Gauge only											
	07/26/07	4.48	733.88	Gauge only											
	10/24/07	5.02	733.34	Gauge only											
	01/23/08	4.67	733.69	Gauge only											
	04/23/08	4.37	733.99	Gauge only											
	07/24/08	–	–	Well was not gauged											
	10/20/08	4.60	733.98	Gauge only											
	01/14/09	3.68	734.68	<25	<38	<63	<1.0	<1.0	<1.0	<3.0	–	–	–	–	–
	04/27/09	4.30	734.06	<50.0	<84	<420	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.010	<1.0	<1.0
	07/28/09	8.17	730.19	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<1.0	–	–	–	–	–
	10/20/09	5.19	733.17	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<1.0	–	–	–	–	–
MTCA Method A Cleanup Levels:		-	-	1,000/800[a]	500	500	5	1,000	700	1,000	20	5	0.01	15	15

NOTES:
All concentrations are in micrograms per liter (µg/L).
DTW = Depth to water in feet below top of casing
GW Elevation = Groundwater elevation in feet relative to top of casing elevation.
TOC = Top of casing elevation in feet.
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, and 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.
EDC = 1,2-Dichloroethane by EPA Method 8260
EDB = 1,2-Dibromoethane by EPA Method 8011.
Total and dissolved lead by EPA Method 6020.
– = Not Analyzed or Sampled
< = Less than the stated laboratory reporting limits
NE = Not established

Bolded values exceed Model Toxics Control Act (MTCA) Method A Cleanup Levels
[a] MTCA Method A levels for TPH-g are 1000 µg/L when no Benzene is present and 800 µg/L when Benzene is present.
[b] The Method reporting limit is above the MTCA Method A cleanup levels.
[c] Surrogates were not spiked due to analyst error. The sample was reanalyzed out of hold with in control surrogate recoveries. Because the concentration for gasoline range organics was identical to the original analyses, the results were reported from the original analysis.

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 Facility No. 0964, Enumclaw, WA

Name(s) D. Reitz / A. Donnell Date: 10/20/09

Arrival Time: 0730 Departure Time: 1400

Time of Arrival Call-In: 0800

Time of Departure Call-In 1340

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

0730 Arrive on job site. Don p.p.e. Set-up decon. station.
0745 Purchase ice. Perform tailgate safety meeting.
0800 Call-in to office & check-in with site-contact.
0820 Initiate 4Q09 GWM sample procedures (gauge and sample 8 wells).
1300 Complete 4Q09 GWM sample procedures. Decon. equipment and release purge water / decon rinsates into staged drum. Label drum.
1320 Pack sample coolers & load equipment into trucks
1330 Call-in to office & check-out with site-contact. Complete daily documentation.
1400 Depart job site.

Stantec Consulting Corporation

HYDROLOGIC DATA SHEET

Gauge Date: October 20, 2009 **Project Name:** CP Facility No. 0964

Field Technician: David Reitz **Project Number:** 212301489

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

Wells checked for product and gauged prior to commencement of bailing or purging the wells Y X N ___

WELL OR LOCATION	WELL SCREEN DEPTH	MEASUREMENTS				PURGE? (Y/N)	SHEEN? (Y/N)	SAMPLE? (Y/N)	COMMENTS / PROBE CALIBRATION
		TIME	DTP (feet)	DTW (feet)	DTB (feet)				
MW-7		0825	—	2.19	12.90	Y	N	Y	
MW-11		0855	—	5.19	15.00	Y	N	Y	
MW-6		0930	—	2.45	12.20	Y	N	Y	
MW-3		1005	—	2.66	17.30	Y	N	Y	
MW-2		1035	—	1.76	15.50	Y	N	Y	
MW-4		1110	—	2.41	17.45	Y	N	Y	
MW-5		1140	—	2.03	14.70	Y	N	Y	
MW-1		1215	—	2.37	14.80	Y	N	Y	

Stantec Consulting Corporation

WATER SAMPLE FIELD DATA SHEET

PROJECT #: # 212301489 PURGED BY: David Reitz WELL I.D.: MW-7

CLIENT NAME: Conoco Phillips SAMPLED BY: David Reitz SAMPLE I.D.: MW-7

LOCATION: 666 Griffin Ave. Enumclaw, WA.

DATE PURGED 10/20/09 START (2400hr) 0825 END (2400hr) 0850

DATE SAMPLED 10/20/09 SAMPLE TIME (2400hr) 0840

SAMPLE TYPE: Groundwater x Surface Water ____ Treatment Effluent ____ Other 0850

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) = 12.90 CASING VOLUME (L) = ____

DEPTH TO WATER (feet) = 2.19

WATER COLUMN HEIGHT (feet) = 10.71 ACTUAL PURGE (L) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (mL)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
10/20/09	0830	500	14.86	0.243	5.51	Clr
	0833	500	15.07	0.250	5.59	Clr
	0836	500	15.36	0.251	5.62	Clr
	0839	500	15.53	0.253	5.65	Clr
Calculated Variance of Final Three Samples:			0.46	0.003	0.06	
Acceptable Variance Limits:			≤ 10%	≤ 3%	≤ 0.1	

10/20/09

DEPTH TO PURGE INTAKE DURING PURGE: 9.00 SAMPLE DTW: 2.42

ANALYSES: TPH-G, TPH-D, TPH-O, BTEX by EPA 8260B

SAMPLE VESSEL / PRESERVATIVE: ____

PURGING EQUIPMENT:	SAMPLING EQUIPMENT:
Peristaltic pump Water meter Horiba interface probe	Peristaltic pump

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]

Stantec Consulting Corporation

WATER SAMPLE FIELD DATA SHEET

PROJECT #: # 212301489 PURGED BY: David Reitz WELL I.D.: MW-11

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

LOCATION: 666 Griffin Ave. Enumclaw, WA.

DATE PURGED 10/20/09 START (2400hr) 0855 END (2400hr) 0920

DATE SAMPLED 10/20/09 SAMPLE TIME (2400hr) 0910

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

CASING DIAMETER:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (liters per foot)	X (0.64)	____ (1.44)	____ (2.45)	____ (3.86)	____ (5.68)	____ (9.84)	____ ( )

DEPTH TO BOTTOM (feet) = 15.00 CASING VOLUME (L) = ____

DEPTH TO WATER (feet) = 5.19

WATER COLUMN HEIGHT (feet) = 9.81 ACTUAL PURGE (L) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (mL)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
10/20/09	0900	500	15.29	0.323	5.66	Clr
↓	0903	500	15.26	0.322	5.60	Clr
	0906	500	15.40	0.322	5.60	Clr
	0909	500	15.56	0.323	5.60	Clr
					10/20/09	
Calculated Variance of Final Three Samples:			0.30	0.001	0	
Acceptable Variance Limits:			≤ 10%	≤ 3%	≤ 0.1	

DEPTH TO PURGE INTAKE DURING PURGE: 14.00 SAMPLE DTW: 5.91

ANALYSES: TPH-G, TPH-D, TPH-O, BTEX by EPA 8260B

SAMPLE VESSEL / PRESERVATIVE: ____

PURGING EQUIPMENT:	SAMPLING EQUIPMENT:
Peristaltic pump Water meter Horiba interface probe	Peristaltic pump

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]

Stantec Consulting Corporation

WATER SAMPLE FIELD DATA SHEET

PROJECT #: # 212301489 PURGED BY: David Reitz WELL I.D.: MW-6

CLIENT NAME: Conoco Phillips SAMPLED BY: David Reitz SAMPLE I.D.: MW-6

LOCATION: 666 Griffin Ave. Enumclaw, WA.

DATE PURGED 10/20/09 START (2400hr) 0930 END (2400hr) 0955

DATE SAMPLED 10/20/09 SAMPLE TIME (2400hr) 0945

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

CASING DIAMETER:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (liters per foot)	X (0.64)	____ (1.44)	____ (2.45)	____ (3.86)	____ (5.68)	____ (9.84)	____ ( )

DEPTH TO BOTTOM (feet) = 12.20 CASING VOLUME (L) = ____

DEPTH TO WATER (feet) = 2.45

WATER COLUMN HEIGHT (feet) = 9.75 ACTUAL PURGE (L) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
10/20/09	0935	500	16.34	0.220	5.88	Clr
"	0938	500	16.60	0.226	5.90	Clr
"	0941	500	15.90	0.228	5.91	Clr
"	0944	500	16.60	0.219	5.91	Clr
					10/20/09	
Calculated Variance of Final Three Samples:			0.30	0.009	0.01	
Acceptable Variance Limits:			≤ 10%	≤ 3%	≤ 0.1	

DEPTH TO PURGE INTAKE DURING PURGE: 8.00 SAMPLE DTW: 2.91

ANALYSES: TPH-G, TPH-D, TPH-O, BTEX by EPA 8260B

SAMPLE VESSEL / PRESERVATIVE: ____

PURGING EQUIPMENT:	SAMPLING EQUIPMENT:
Peristaltic pump Water meter Horiba interface probe	Peristaltic pump

WELL PAD CONDITION: Fair WELL CASING CONDITION: Fair

WELL VAULT CONDITION: Fair SEAL PRESENT?: Y/S BOLTS PRESENT?: Y/S

WELL INTEGRITY: Fair WELL TAG: Y LOCK#: Y/S

REMARKS: ____

SIGNATURE: ____

Stantec Consulting Corporation

WATER SAMPLE FIELD DATA SHEET

PROJECT #: # 212301489 PURGED BY: David Reitz WELL I.D.: MW-3

CLIENT NAME: Conoco Phillips SAMPLED BY: David Reitz SAMPLE I.D.: MW-3

LOCATION: 666 Griffin Ave. Enumclaw, WA.

DATE PURGED 10/20/09 START (2400hr) 1005 END (2400hr) 1030

DATE SAMPLED 10/20/09 SAMPLE TIME (2400hr) 1020

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) = 17.30 CASING VOLUME (L) = ____

DEPTH TO WATER (feet) = 2.66

WATER COLUMN HEIGHT (feet) = 14.64 ACTUAL PURGE (L) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
10/20/09	1010	800	16.93	0.993	5.95	Clr
	1013	500	16.94	0.848	6.01	Clr
	1016	500	17.14	0.839	6.06	Clr
	1019	500	17.26	0.821	6.08	Clr
					10/20/09	
Calculated Variance of Final Three Samples:			0.70	0.027	0.07	
Acceptable Variance Limits:			≤ 10%	≤ 3%	≤ 0.1	

DEPTH TO PURGE INTAKE DURING PURGE: 13.00 SAMPLE DTW: 3.23

ANALYSES: TPH-G, TPH-D, TPH-O, BTEX by EPA 8260B

SAMPLE VESSEL / PRESERVATIVE: ____

PURGING EQUIPMENT:	SAMPLING EQUIPMENT:
Peristaltic pump Water meter Horiba interface probe	Peristaltic pump

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 #: # 212301489 PURGED BY: David Reitz WELL I.D.: MW-2

CLIENT NAME: Conoco Phillips SAMPLED BY: David Reitz SAMPLE I.D.: MW-2

LOCATION: 666 Griffin Ave. Enumclaw, WA.

DATE PURGED 10/20/09 START (2400hr) 1035 END (2400hr) 1105

DATE SAMPLED 10/20/09 SAMPLE TIME (2400hr) 1050

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) = 15.50 CASING VOLUME (L) = ____

DEPTH TO WATER (feet) = 1.76

WATER COLUMN HEIGHT (feet) = 13.74 ACTUAL PURGE (L) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
10/20/09	1040	800	17.26	0.453	6.03	Clr
"	1043	500	17.30	0.465	6.08	Clr
"	1046	500	17.35	0.461	6.11	Clr
"	1049	500	17.42	0.452	6.13	Clr
					10/20/09	

Calculated Variance of Final Three Samples: 0.12 0.014 0.05

Acceptable Variance Limits: ≤ 10% ≤ 3% ≤ 0.1

DEPTH TO PURGE INTAKE DURING PURGE: 10.00 SAMPLE DTW: 2.22

ANALYSES: TPH-G, TPH-D, TPH-O, BTEX by EPA 8260B

SAMPLE VESSEL / PRESERVATIVE: ____

PURGING EQUIPMENT:	SAMPLING EQUIPMENT:
Peristaltic pump Water meter Horiba interface probe	Peristaltic pump

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]

Stantec Consulting Corporation

WATER SAMPLE FIELD DATA SHEET

PROJECT #: # 212301489 PURGED BY: David Reitz WELL I.D.: MW-4

CLIENT NAME: Conoco Phillips SAMPLED BY: David Reitz SAMPLE I.D.: MW-4

LOCATION: 666 Griffin Ave. Enumclaw, WA.

DATE PURGED 10/20/09 START (2400hr) 1110 END (2400hr) 1135

DATE SAMPLED 10/20/09 SAMPLE TIME (2400hr) 1125

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) = 17.45 CASING VOLUME (L) = ____

DEPTH TO WATER (feet) = 2.41

WATER COLUMN HEIGHT (feet) = 15.04 ACTUAL PURGE (L) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
10/20/09	1115	500	15.30	0.650	6.01	Clr
"	1118	500	15.30	0.657	6.04	Clr
"	1121	500	15.33	0.659	6.06	Clr
"	1124	500	15.49	0.654	6.09	Clr
					10/20/09	
Calculated Variance of Final Three Samples:			0.19	0.013	0.05	
Acceptable Variance Limits:			≤ 10%	≤ 3%	≤ 0.1	

DEPTH TO PURGE INTAKE DURING PURGE: 13.00 SAMPLE DTW: 2.98

ANALYSES: TPH-G, TPH-D, TPH-O, BTEX by EPA 8260B

SAMPLE VESSEL / PRESERVATIVE: ____

PURGING EQUIPMENT:	SAMPLING EQUIPMENT:
Peristaltic pump Water meter Horiba interface probe	Peristaltic pump

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]

Stantec Consulting Corporation

WATER SAMPLE FIELD DATA SHEET

PROJECT #: # 212301489 PURGED BY: David Reitz WELL I.D.: MW-5

CLIENT NAME: Conoco Phillips SAMPLED BY: David Reitz SAMPLE I.D.: MW-5

LOCATION: 666 Griffin Ave. Enumclaw, WA.

DATE PURGED 10/20/09 START (2400hr) 1140 END (2400hr) 1210

DATE SAMPLED 10/20/09 SAMPLE TIME (2400hr) 1155

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) = 14.70 CASING VOLUME (L) = ____

DEPTH TO WATER (feet) = 2.03

WATER COLUMN HEIGHT (feet) = 2.67 ACTUAL PURGE (L) = ____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (mL)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
10/20/09	1145	500	14.87	0.631	6.00	Clr
	1148	500	14.82	0.630	6.04	Clr
	1151	500	14.80	0.628	6.07	Clr
↓	1154	500	14.79	0.626	6.06	Clr
						10/20/09
Calculated Variance of Final Three Samples:			0.03	0.004	0.03	
Acceptable Variance Limits:			≤ 10%	≤ 3%	≤ 0.1	

DEPTH TO PURGE INTAKE DURING PURGE: 12.00 SAMPLE DTW: 2.38

ANALYSES: TPH-G, TPH-D, TPH-O, BTEX by EPA 8260B

SAMPLE VESSEL / PRESERVATIVE: ____

PURGING EQUIPMENT:	SAMPLING EQUIPMENT:
Peristaltic pump Water meter Horiba interface probe	Peristaltic pump

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]

Stantec Consulting Corporation

WATER SAMPLE FIELD DATA SHEET

PROJECT #: # 212301489 PURGED BY: David Reitz WELL I.D.: MW-1

CLIENT NAME: Conoco Phillips SAMPLED BY: David Reitz SAMPLE I.D.: MW-1

LOCATION: 666 Griffin Ave. Enumclaw, WA.

DATE PURGED 10/20/09 START (2400hr) 1215 END (2400hr) 1250

DATE SAMPLED 10/20/09 SAMPLE TIME (2400hr) 1230

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) = 14.80

DEPTH TO WATER (feet) = 2.37

WATER COLUMN HEIGHT (feet) = 12.43

CASING VOLUME (L) = ____

ACTUAL PURGE (L) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
10/20/09	1220	500	17.60	0.727	5.91	Clr
	1223	500	17.56	0.757	5.93	Clr
	1226	500	17.62	0.768	5.94	Clr
	1229	500	17.60	0.780	5.95	Clr
					10/20/09	
Calculated Variance of Final Three Samples:			0.06	0.023	0.02	
Acceptable Variance Limits:			≤ 10%	≤ 3%	≤ 0.1	

DEPTH TO PURGE INTAKE DURING PURGE: 10.00 SAMPLE DTW: 2.60

ANALYSES: TPH-G, TPH-D, TPH-O, BTEX by EPA 8260B

SAMPLE VESSEL / PRESERVATIVE: ____

PURGING EQUIPMENT:	SAMPLING EQUIPMENT:
Peristaltic pump Water meter Horiba interface probe	Peristaltic pump

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 Laboratories
940 S. Harney Street, Seattle WA
(206) 767-5063

INVOICE REMITTANCE ADDRESS: ConocoPhillips

Purchase Order #:

ConocoPhillips AOC#: 00964

DATE: 10/20/09
PAGE: 1 of 1

SAMPLING COMPANY: Stantec	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: 964	GLOBAL ID NO.:
ADDRESS: 12034 134th CT Redmond, WA		SITE ADDRESS (Street and City): 666 Griffin Avenue, Enumclaw, WA 98022	ConocoPhillips Manager: Myron Smith
PROJECT CONTACT (Hardcopy or PDF Report to): Chris Gdak		EDF DELIVERABLE TO (RP or Designee):	PHONE NO.: E-MAIL:
TELEPHONE: (425) 298-1023	FAX: (425) 298-1020	E-MAIL: chris.gdak@stantec.com	LAB USE ONLY
SAMPLER NAME(S) (Print): David Reitz		CONSULTANT PROJECT NUMBER: 212301489	

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	NWTPH-Dx w/ silica gel cleanup	BTEX (8260 B)	TEMPERATURE ON RECEIPT C°
	MW-1	MW-1	10/20/09	1230	GW	7	X	X	X	
	MW-2	MW-2	"	1050	GW	7	X	X	X	
	MW-3	MW-3	"	1020	GW	7	X	X	X	
	MW-4	MW-4	"	1125	GW	7	X	X	X	
	MW-5	MW-5	"	1155	GW	7	X	X	X	
	MW-6	MW-6	"	0945	GW	7	X	X	X	
	MW-7	MW-7	"	0840	GW	7	X	X	X	
	MW-11	MW-11	"	1010	GW	7	X	X	X	
	—	TB				6	X	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date: 10/22/09	Time: 1000
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

2/10/03 Revision

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

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November 05, 2009

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

RE: Project: 00964 - 666 Griffin Avenue, En
Pace Project No.: 252359

Dear Chris Gdak:
Enclosed are the analytical results for sample(s) received by the laboratory on October 22, 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,

Heidi Geri for
Jennifer Gross
jennifer.gross@pacelabs.com
Project Manager

Enclosures

cc: Tammy Parise, COP_Stantec Washington

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CERTIFICATIONS

Project: 00964 - 666 Griffin Avenue, En
Pace Project No.: 252359

Washington Certification IDs
Washington Certification #: C1229
Oregon Certification #: WA200007
Florida/NELAP Certification #: E87617
Alaska CS Certification #: UST-025
Alaska Drinking Water Micro Certification #: WA01230
Alaska Drinking Water VOC Certification #: WA01-09
California Certification #: 01153CA

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SAMPLE ANALYTE COUNT

Project: 00964 - 666 Griffin Avenue, En
Pace Project No.: 252359

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
252359001	MW-1	EPA 5030B/8260	ATH	8	PASI-S
		NWTPH-Dx	KRK	4	PASI-S
		NWTPH-Gx	ATH	3	PASI-S
252359002	MW-2	EPA 5030B/8260	JMW	8	PASI-S
		NWTPH-Dx	KRK	4	PASI-S
		NWTPH-Gx	ATH	3	PASI-S
252359003	MW-3	EPA 5030B/8260	ATH	8	PASI-S
		NWTPH-Dx	KRK	4	PASI-S
		NWTPH-Gx	ATH	3	PASI-S
252359004	MW-4	EPA 5030B/8260	JMW	8	PASI-S
		NWTPH-Dx	KRK	4	PASI-S
		NWTPH-Gx	ATH	3	PASI-S
252359005	MW-5	EPA 5030B/8260	ATH	8	PASI-S
		NWTPH-Dx	KRK	4	PASI-S
		NWTPH-Gx	ATH	3	PASI-S
252359006	MW-6	EPA 5030B/8260	JMW	8	PASI-S
		NWTPH-Dx	KRK	4	PASI-S
		NWTPH-Gx	ATH	3	PASI-S
252359007	MW-7	EPA 5030B/8260	JMW	8	PASI-S
		NWTPH-Dx	KRK	4	PASI-S
		NWTPH-Gx	ATH	3	PASI-S
252359008	MW-11	EPA 5030B/8260	JMW	8	PASI-S
		NWTPH-Dx	KRK	4	PASI-S
		NWTPH-Gx	ATH	3	PASI-S
252359009	TB	EPA 5030B/8260	ATH	8	PASI-S
		NWTPH-Gx	ATH	3	PASI-S

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ANALYTICAL RESULTS

Project: 00964 - 666 Griffin Avenue, En
Pace Project No.: 252359

Sample: MW-1 **Lab ID: 252359001** Collected: 10/20/09 12:30 Received: 10/22/09 10:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510							
Diesel Range SG	**754**	ug/L	77.7	1	10/29/09 15:10	11/03/09 07:10		
Motor Oil Range SG	ND	ug/L	388	1	10/29/09 15:10	11/03/09 07:10	64742-65-0	
n-Octacosane (S) SG	92	%	50-150	1	10/29/09 15:10	11/03/09 07:10	630-02-4	
o-Terphenyl (S) SG	100	%	50-150	1	10/29/09 15:10	11/03/09 07:10	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
Gasoline Range Organics	**1710**	ug/L	50.0	1		10/28/09 07:18		
a,a,a-Trifluorotoluene (S)	100	%	50-150	1		10/28/09 07:18	98-08-8	
4-Bromofluorobenzene (S)	173	%	50-150	1		10/28/09 07:18	460-00-4	S2
8260 MSV	Analytical Method: EPA 5030B/8260							
Benzene	**21.9**	ug/L	1.0	1		10/26/09 11:53	71-43-2	
Ethylbenzene	**4.3**	ug/L	1.0	1		10/26/09 11:53	100-41-4	
Toluene	**7.3**	ug/L	1.0	1		10/26/09 11:53	108-88-3	
Xylene (Total)	**9.5**	ug/L	1.0	1		10/26/09 11:53	1330-20-7	
4-Bromofluorobenzene (S)	105	%	80-120	1		10/26/09 11:53	460-00-4	
Dibromofluoromethane (S)	98	%	80-122	1		10/26/09 11:53	1868-53-7	
1,2-Dichloroethane-d4 (S)	92	%	80-124	1		10/26/09 11:53	17060-07-0	
Toluene-d8 (S)	95	%	80-123	1		10/26/09 11:53	2037-26-5	

Sample: MW-2 **Lab ID: 252359002** Collected: 10/20/09 10:50 Received: 10/22/09 10:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510							
Diesel Range SG	**985**	ug/L	76.9	1	10/29/09 15:10	11/03/09 07:28		
Motor Oil Range SG	ND	ug/L	385	1	10/29/09 15:10	11/03/09 07:28	64742-65-0	
n-Octacosane (S) SG	93	%	50-150	1	10/29/09 15:10	11/03/09 07:28	630-02-4	
o-Terphenyl (S) SG	102	%	50-150	1	10/29/09 15:10	11/03/09 07:28	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
Gasoline Range Organics	**1040**	ug/L	50.0	1		10/31/09 17:45		
a,a,a-Trifluorotoluene (S)	121	%	50-150	1		10/31/09 17:45	98-08-8	
4-Bromofluorobenzene (S)	130	%	50-150	1		10/31/09 17:45	460-00-4	
8260 MSV	Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1		10/23/09 19:20	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/23/09 19:20	100-41-4	
Toluene	ND	ug/L	1.0	1		10/23/09 19:20	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/23/09 19:20	1330-20-7	
4-Bromofluorobenzene (S)	102	%	80-120	1		10/23/09 19:20	460-00-4	
Dibromofluoromethane (S)	101	%	80-122	1		10/23/09 19:20	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	80-124	1		10/23/09 19:20	17060-07-0	
Toluene-d8 (S)	98	%	80-123	1		10/23/09 19:20	2037-26-5	

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ANALYTICAL RESULTS

Project: 00964 - 666 Griffin Avenue, En
Pace Project No.: 252359

Sample: MW-3 **Lab ID: 252359003** Collected: 10/20/09 10:20 Received: 10/22/09 10:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510							
Diesel Range SG	**244**	ug/L	77.7	1	10/29/09 15:10	11/03/09 07:46		
Motor Oil Range SG	ND	ug/L	388	1	10/29/09 15:10	11/03/09 07:46	64742-65-0	
n-Octacosane (S) SG	98	%	50-150	1	10/29/09 15:10	11/03/09 07:46	630-02-4	
o-Terphenyl (S) SG	108	%	50-150	1	10/29/09 15:10	11/03/09 07:46	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
Gasoline Range Organics	**1230**	ug/L	50.0	1		10/31/09 16:10		
a,a,a-Trifluorotoluene (S)	121	%	50-150	1		10/31/09 16:10	98-08-8	
4-Bromofluorobenzene (S)	130	%	50-150	1		10/31/09 16:10	460-00-4	
8260 MSV	Analytical Method: EPA 5030B/8260							
Benzene	**595**	ug/L	5.0	5		10/26/09 13:03	71-43-2	
Ethylbenzene	**6.3**	ug/L	1.0	1		10/26/09 12:38	100-41-4	
Toluene	**13.0**	ug/L	1.0	1		10/26/09 12:38	108-88-3	
Xylene (Total)	**39.3**	ug/L	1.0	1		10/26/09 12:38	1330-20-7	
4-Bromofluorobenzene (S)	111	%	80-120	1		10/26/09 12:38	460-00-4	
Dibromofluoromethane (S)	90	%	80-122	1		10/26/09 12:38	1868-53-7	
1,2-Dichloroethane-d4 (S)	121	%	80-124	1		10/26/09 12:38	17060-07-0	
Toluene-d8 (S)	93	%	80-123	1		10/26/09 12:38	2037-26-5	

Sample: MW-4 **Lab ID: 252359004** Collected: 10/20/09 11:25 Received: 10/22/09 10:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510							
Diesel Range SG	**745**	ug/L	77.7	1	10/29/09 15:10	11/03/09 08:04		
Motor Oil Range SG	ND	ug/L	388	1	10/29/09 15:10	11/03/09 08:04	64742-65-0	
n-Octacosane (S) SG	93	%	50-150	1	10/29/09 15:10	11/03/09 08:04	630-02-4	
o-Terphenyl (S) SG	103	%	50-150	1	10/29/09 15:10	11/03/09 08:04	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
Gasoline Range Organics	**1510**	ug/L	50.0	1		10/31/09 18:09		
a,a,a-Trifluorotoluene (S)	133	%	50-150	1		10/31/09 18:09	98-08-8	
4-Bromofluorobenzene (S)	139	%	50-150	1		10/31/09 18:09	460-00-4	
8260 MSV	Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1		10/23/09 18:58	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/23/09 18:58	100-41-4	
Toluene	ND	ug/L	1.0	1		10/23/09 18:58	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/23/09 18:58	1330-20-7	
4-Bromofluorobenzene (S)	106	%	80-120	1		10/23/09 18:58	460-00-4	
Dibromofluoromethane (S)	86	%	80-122	1		10/23/09 18:58	1868-53-7	
1,2-Dichloroethane-d4 (S)	86	%	80-124	1		10/23/09 18:58	17060-07-0	
Toluene-d8 (S)	96	%	80-123	1		10/23/09 18:58	2037-26-5	

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ANALYTICAL RESULTS

Project: 00964 - 666 Griffin Avenue, En
Pace Project No.: 252359

Sample: MW-5 **Lab ID: 252359005** Collected: 10/20/09 11:55 Received: 10/22/09 10:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510							
Diesel Range SG	**462**	ug/L	79.2	1	10/29/09 15:10	11/03/09 08:22		
Motor Oil Range SG	ND	ug/L	396	1	10/29/09 15:10	11/03/09 08:22	64742-65-0	
n-Octacosane (S) SG	86	%	50-150	1	10/29/09 15:10	11/03/09 08:22	630-02-4	
o-Terphenyl (S) SG	96	%	50-150	1	10/29/09 15:10	11/03/09 08:22	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
Gasoline Range Organics	**1610**	ug/L	50.0	1		10/31/09 18:32		
a,a,a-Trifluorotoluene (S)	116	%	50-150	1		10/31/09 18:32	98-08-8	
4-Bromofluorobenzene (S)	120	%	50-150	1		10/31/09 18:32	460-00-4	
8260 MSV	Analytical Method: EPA 5030B/8260							
Benzene	**47.9**	ug/L	1.0	1		10/26/09 11:30	71-43-2	
Ethylbenzene	**47.5**	ug/L	1.0	1		10/26/09 11:30	100-41-4	
Toluene	**67.8**	ug/L	1.0	1		10/26/09 11:30	108-88-3	
Xylene (Total)	**345**	ug/L	1.0	1		10/26/09 11:30	1330-20-7	
4-Bromofluorobenzene (S)	102	%	80-120	1		10/26/09 11:30	460-00-4	
Dibromofluoromethane (S)	84	%	80-122	1		10/26/09 11:30	1868-53-7	
1,2-Dichloroethane-d4 (S)	92	%	80-124	1		10/26/09 11:30	17060-07-0	
Toluene-d8 (S)	91	%	80-123	1		10/26/09 11:30	2037-26-5	

Sample: MW-6 **Lab ID: 252359006** Collected: 10/20/09 09:45 Received: 10/22/09 10:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510							
Diesel Range SG	**204**	ug/L	76.9	1	10/29/09 15:10	11/03/09 08:40		
Motor Oil Range SG	ND	ug/L	385	1	10/29/09 15:10	11/03/09 08:40	64742-65-0	
n-Octacosane (S) SG	91	%	50-150	1	10/29/09 15:10	11/03/09 08:40	630-02-4	
o-Terphenyl (S) SG	100	%	50-150	1	10/29/09 15:10	11/03/09 08:40	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
Gasoline Range Organics	**400**	ug/L	50.0	1		10/31/09 18:56		
a,a,a-Trifluorotoluene (S)	126	%	50-150	1		10/31/09 18:56	98-08-8	
4-Bromofluorobenzene (S)	134	%	50-150	1		10/31/09 18:56	460-00-4	
8260 MSV	Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1		10/23/09 18:35	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/23/09 18:35	100-41-4	
Toluene	ND	ug/L	1.0	1		10/23/09 18:35	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/23/09 18:35	1330-20-7	
4-Bromofluorobenzene (S)	96	%	80-120	1		10/23/09 18:35	460-00-4	
Dibromofluoromethane (S)	87	%	80-122	1		10/23/09 18:35	1868-53-7	
1,2-Dichloroethane-d4 (S)	86	%	80-124	1		10/23/09 18:35	17060-07-0	
Toluene-d8 (S)	100	%	80-123	1		10/23/09 18:35	2037-26-5	

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ANALYTICAL RESULTS

Project: 00964 - 666 Griffin Avenue, En
Pace Project No.: 252359

Sample: MW-7 **Lab ID: 252359007** Collected: 10/20/09 08:40 Received: 10/22/09 10:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510							
Diesel Range SG	ND	ug/L	77.7	1	10/29/09 15:10	11/03/09 08:58		
Motor Oil Range SG	ND	ug/L	388	1	10/29/09 15:10	11/03/09 08:58	64742-65-0	
n-Octacosane (S) SG	80	%	50-150	1	10/29/09 15:10	11/03/09 08:58	630-02-4	
o-Terphenyl (S) SG	88	%	50-150	1	10/29/09 15:10	11/03/09 08:58	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
Gasoline Range Organics	ND	ug/L	50.0	1		10/31/09 15:46		
a,a,a-Trifluorotoluene (S)	109	%	50-150	1		10/31/09 15:46	98-08-8	
4-Bromofluorobenzene (S)	105	%	50-150	1		10/31/09 15:46	460-00-4	
8260 MSV	Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1		10/23/09 18:13	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/23/09 18:13	100-41-4	
Toluene	ND	ug/L	1.0	1		10/23/09 18:13	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/23/09 18:13	1330-20-7	
4-Bromofluorobenzene (S)	99	%	80-120	1		10/23/09 18:13	460-00-4	
Dibromofluoromethane (S)	87	%	80-122	1		10/23/09 18:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	86	%	80-124	1		10/23/09 18:13	17060-07-0	
Toluene-d8 (S)	98	%	80-123	1		10/23/09 18:13	2037-26-5	

Sample: MW-11 **Lab ID: 252359008** Collected: 10/20/09 09:10 Received: 10/22/09 10:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510							
Diesel Range SG	ND	ug/L	78.4	1	10/29/09 15:10	11/03/09 09:16		
Motor Oil Range SG	ND	ug/L	392	1	10/29/09 15:10	11/03/09 09:16	64742-65-0	
n-Octacosane (S) SG	91	%	50-150	1	10/29/09 15:10	11/03/09 09:16	630-02-4	
o-Terphenyl (S) SG	98	%	50-150	1	10/29/09 15:10	11/03/09 09:16	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
Gasoline Range Organics	ND	ug/L	50.0	1		10/31/09 19:20		
a,a,a-Trifluorotoluene (S)	121	%	50-150	1		10/31/09 19:20	98-08-8	
4-Bromofluorobenzene (S)	116	%	50-150	1		10/31/09 19:20	460-00-4	
8260 MSV	Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1		10/23/09 17:50	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/23/09 17:50	100-41-4	
Toluene	ND	ug/L	1.0	1		10/23/09 17:50	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/23/09 17:50	1330-20-7	
4-Bromofluorobenzene (S)	103	%	80-120	1		10/23/09 17:50	460-00-4	
Dibromofluoromethane (S)	86	%	80-122	1		10/23/09 17:50	1868-53-7	
1,2-Dichloroethane-d4 (S)	84	%	80-124	1		10/23/09 17:50	17060-07-0	
Toluene-d8 (S)	98	%	80-123	1		10/23/09 17:50	2037-26-5	

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ANALYTICAL RESULTS

Project: 00964 - 666 Griffin Avenue, En
Pace Project No.: 252359

Sample: TB **Lab ID: 252359009** Collected: 10/20/09 12:00 Received: 10/22/09 10:45 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		10/31/09 12:36		
a,a,a-Trifluorotoluene (S)	110	%	50-150	1		10/31/09 12:36	98-08-8	
4-Bromofluorobenzene (S)	100	%	50-150	1		10/31/09 12:36	460-00-4	
8260 MSV	Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1		10/26/09 16:35	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/26/09 16:35	100-41-4	
Toluene	ND	ug/L	1.0	1		10/26/09 16:35	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/26/09 16:35	1330-20-7	
4-Bromofluorobenzene (S)	101	%	80-120	1		10/26/09 16:35	460-00-4	
Dibromofluoromethane (S)	87	%	80-122	1		10/26/09 16:35	1868-53-7	
1,2-Dichloroethane-d4 (S)	86	%	80-124	1		10/26/09 16:35	17060-07-0	
Toluene-d8 (S)	98	%	80-123	1		10/26/09 16:35	2037-26-5	

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QUALITY CONTROL DATA

Project: 00964 - 666 Griffin Avenue, En
Pace Project No.: 252359

QC Batch: OEXT/1611 Analysis Method: NWTPH-Dx
QC Batch Method: EPA 3510 Analysis Description: NWTPH-Dx GCS
Associated Lab Samples: 252359001, 252359002, 252359003, 252359004, 252359005, 252359006, 252359007, 252359008

METHOD BLANK: 14434 Matrix: Water
Associated Lab Samples: 252359001, 252359002, 252359003, 252359004, 252359005, 252359006, 252359007, 252359008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range SG	ug/L	ND	80.0	11/03/09 05:58	
Motor Oil Range SG	ug/L	ND	400	11/03/09 05:58	
n-Octacosane (S) SG	%	89	50-150	11/03/09 05:58	
o-Terphenyl (S) SG	%	98	50-150	11/03/09 05:58	

LABORATORY CONTROL SAMPLE & LCSD: 14435 14436

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range SG	ug/L	5000	4680	4620	94	92	51-147	1	30	
Motor Oil Range SG	ug/L	5000	4570	4650	91	93	20-160	2	30	
n-Octacosane (S) SG	%				95	97	50-150			
o-Terphenyl (S) SG	%				100	101	50-150			

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QUALITY CONTROL DATA

Project: 00964 - 666 Griffin Avenue, En
Pace Project No.: 252359

QC Batch: MSV/1626 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 252359002, 252359004, 252359006, 252359007, 252359008

METHOD BLANK: 14034 Matrix: Water
Associated Lab Samples: 252359002, 252359004, 252359006, 252359007, 252359008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	10/23/09 12:37	
Ethylbenzene	ug/L	ND	1.0	10/23/09 12:37	
Toluene	ug/L	ND	1.0	10/23/09 12:37	
Xylene (Total)	ug/L	ND	1.0	10/23/09 12:37	
1,2-Dichloroethane-d4 (S)	%	89	80-124	10/23/09 12:37	
4-Bromofluorobenzene (S)	%	101	80-120	10/23/09 12:37	
Dibromofluoromethane (S)	%	86	80-122	10/23/09 12:37	
Toluene-d8 (S)	%	98	80-123	10/23/09 12:37	

LABORATORY CONTROL SAMPLE: 14035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.5	102	75-124	
Ethylbenzene	ug/L	20	21.0	105	76-124	
Toluene	ug/L	20	20.5	103	75-124	
Xylene (Total)	ug/L	60	62.1	103	76-123	
1,2-Dichloroethane-d4 (S)	%			92	80-124	
4-Bromofluorobenzene (S)	%			98	80-120	
Dibromofluoromethane (S)	%			96	80-122	
Toluene-d8 (S)	%			91	80-123	

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QUALITY CONTROL DATA

Project: 00964 - 666 Griffin Avenue, En
Pace Project No.: 252359

QC Batch: MSV/1633 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 252359001, 252359003, 252359005, 252359009

METHOD BLANK: 14260 Matrix: Water
Associated Lab Samples: 252359001, 252359003, 252359005, 252359009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	10/26/09 09:41	
Ethylbenzene	ug/L	ND	1.0	10/26/09 09:41	
Toluene	ug/L	ND	1.0	10/26/09 09:41	
Xylene (Total)	ug/L	ND	1.0	10/26/09 09:41	
1,2-Dichloroethane-d4 (S)	%	88	80-124	10/26/09 09:41	
4-Bromofluorobenzene (S)	%	101	80-120	10/26/09 09:41	
Dibromofluoromethane (S)	%	88	80-122	10/26/09 09:41	
Toluene-d8 (S)	%	96	80-123	10/26/09 09:41	

LABORATORY CONTROL SAMPLE & LCSD: 14261 14262

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/L	20	18.6	17.3	93	86	75-124	7	30	
Ethylbenzene	ug/L	20	20.3	18.9	101	94	76-124	7	30	
Toluene	ug/L	20	19.2	18.1	96	90	75-124	6	30	
Xylene (Total)	ug/L	60	60.6	56.2	101	94	76-123	7	30	
1,2-Dichloroethane-d4 (S)	%				93	93	80-124			
4-Bromofluorobenzene (S)	%				100	99	80-120			
Dibromofluoromethane (S)	%				96	97	80-122			
Toluene-d8 (S)	%				90	90	80-123			

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QUALITY CONTROL DATA

Project: 00964 - 666 Griffin Avenue, En
Pace Project No.: 252359

QC Batch: GCV/1290 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx GCV Water
Associated Lab Samples: 252359001

METHOD BLANK: 14101 Matrix: Water
Associated Lab Samples: 252359001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	ND	50.0	10/28/09 00:42	
4-Bromofluorobenzene (S)	%	94	50-150	10/28/09 00:42	
a,a,a-Trifluorotoluene (S)	%	98	50-150	10/28/09 00:42	

LABORATORY CONTROL SAMPLE: 14102

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	ug/L	250	273	109	50-163	
4-Bromofluorobenzene (S)	%			80	50-150	
a,a,a-Trifluorotoluene (S)	%			68	50-150	

SAMPLE DUPLICATE: 14355

Parameter	Units	252374001 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	ug/L	ND	ND		
4-Bromofluorobenzene (S)	%	106	95	11	
a,a,a-Trifluorotoluene (S)	%	115	103	11	

SAMPLE DUPLICATE: 14401

Parameter	Units	252333001 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	ug/L	14.7J	ND		
4-Bromofluorobenzene (S)	%	98	92	6	
a,a,a-Trifluorotoluene (S)	%	106	97	10	

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QUALITY CONTROL DATA

Project: 00964 - 666 Griffin Avenue, En
Pace Project No.: 252359

QC Batch: GCV/1297 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx GCV Water
Associated Lab Samples: 252359002, 252359003, 252359004, 252359005, 252359006, 252359007, 252359008, 252359009

METHOD BLANK: 14406 Matrix: Water
Associated Lab Samples: 252359002, 252359003, 252359004, 252359005, 252359006, 252359007, 252359008, 252359009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	ND	50.0	10/31/09 11:49	
4-Bromofluorobenzene (S)	%	117	50-150	10/31/09 11:49	
a,a,a-Trifluorotoluene (S)	%	122	50-150	10/31/09 11:49	

LABORATORY CONTROL SAMPLE: 14407

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	ug/L	250	288	115	50-163	
4-Bromofluorobenzene (S)	%			99	50-150	
a,a,a-Trifluorotoluene (S)	%			92	50-150	

SAMPLE DUPLICATE: 14623

Parameter	Units	252356002 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	ug/L	ND	ND		
4-Bromofluorobenzene (S)	%	113	109	4	
a,a,a-Trifluorotoluene (S)	%	119	114	5	

SAMPLE DUPLICATE: 14624

Parameter	Units	252359003 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	ug/L	1230	1210	2	
4-Bromofluorobenzene (S)	%	130	143	10	
a,a,a-Trifluorotoluene (S)	%	121	133	10	

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QUALIFIERS

Project: 00964 - 666 Griffin Avenue, En
Pace Project No.: 252359

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

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-S Pace Analytical Services - Seattle

BATCH QUALIFIERS

Batch: MSV/1626

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/1633

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

S2 Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 00964 - 666 Griffin Avenue, En
Pace Project No.: 252359

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
252359002	MW-2	EPA 5030B/8260	MSV/1626		
252359004	MW-4	EPA 5030B/8260	MSV/1626		
252359006	MW-6	EPA 5030B/8260	MSV/1626		
252359007	MW-7	EPA 5030B/8260	MSV/1626		
252359008	MW-11	EPA 5030B/8260	MSV/1626		
252359001	MW-1	NWTPH-Gx	GCV/1290		
252359001	MW-1	EPA 5030B/8260	MSV/1633		
252359003	MW-3	EPA 5030B/8260	MSV/1633		
252359005	MW-5	EPA 5030B/8260	MSV/1633		
252359009	TB	EPA 5030B/8260	MSV/1633		
252359002	MW-2	NWTPH-Gx	GCV/1297		
252359003	MW-3	NWTPH-Gx	GCV/1297		
252359004	MW-4	NWTPH-Gx	GCV/1297		
252359005	MW-5	NWTPH-Gx	GCV/1297		
252359006	MW-6	NWTPH-Gx	GCV/1297		
252359007	MW-7	NWTPH-Gx	GCV/1297		
252359008	MW-11	NWTPH-Gx	GCV/1297		
252359009	TB	NWTPH-Gx	GCV/1297		
252359001	MW-1	EPA 3510	OEXT/1611	NWTPH-Dx	GCSV/1307
252359002	MW-2	EPA 3510	OEXT/1611	NWTPH-Dx	GCSV/1307
252359003	MW-3	EPA 3510	OEXT/1611	NWTPH-Dx	GCSV/1307
252359004	MW-4	EPA 3510	OEXT/1611	NWTPH-Dx	GCSV/1307
252359005	MW-5	EPA 3510	OEXT/1611	NWTPH-Dx	GCSV/1307
252359006	MW-6	EPA 3510	OEXT/1611	NWTPH-Dx	GCSV/1307
252359007	MW-7	EPA 3510	OEXT/1611	NWTPH-Dx	GCSV/1307
252359008	MW-11	EPA 3510	OEXT/1611	NWTPH-Dx	GCSV/1307

Sample Condition Upon Receipt

Pace Analytical

Client Name: Stantec

Project # 252359

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other _____

Optional: Proj. Due Date: Proj. Name:

Tracking #: _____

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals Intact: ☑ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used: Horiba 132013 Type of Ice: ☑ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 3.8 Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: AJB 10/22/09 1043

Comments:

Chain of Custody Present:	☑Yes	☐No	☐N/A
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A
Sufficient Volume:	☑Yes	☐No	☐N/A
Correct Containers Used:	☑Yes	☐No	☐N/A
-Pace Containers Used:	☑Yes	☐No	☐N/A
Containers Intact:	☑Yes	☐No	☐N/A
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A
Sample Labels match COC:	☑Yes	☐No	☐N/A
-Includes date/time/ID/Analysis Matrix: H2O			
All containers needing preservation have been checked.	☑Yes	☐No	☐N/A
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes	☐No	☐N/A
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes	☐No	
Samples checked for dechlorination:	☐Yes	☐No	☐N/A
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☐N/A
Trip Blank Present:	☐Yes	☐No	☐N/A
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A
Pace Trip Blank Lot # (if purchased):			

1.
2.
3.
4.
5.
6.
7.
8.
9. TB marked for Dx analysis on COC, no diesel bottle received
10.
11.
12.
13.

Initial when completed	Lot # of added preservative

14.
15.
16.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Chain Of Custody Record

Pace Analytical Laboratories
940 S. Harney Street, Seattle WA
(206) 767-5063

INVOICE REMITTANCE ADDRESS: ConocoPhillips

Purchase Order #:

ConocoPhillips AOC#: 00964

DATE: 10/20/09
PAGE: 1 of 1

SAMPLING COMPANY: Stantec	Valid Value ID:
ADDRESS: 12034 134th CT Redmond, WA	
PROJECT CONTACT (Hardcopy or PDF Report to): Chris Gdak	
TELEPHONE: (425) 298-1023	FAX: (425) 298-1020
E-MAIL: chris.gdak@stantec.com	
SAMPLER NAME(S) (Print): David Reitz	CONSULTANT PROJECT NUMBER: 212301489
CONOCOPHILLIPS SITE NUMBER: 964	GLOBAL ID NO.:
SITE ADDRESS (Street and City): 666 Griffin Avenue, Enumclaw, WA 98022	ConocoPhillips Manager: Myron Smith
EDF DELIVERABLE TO (RP or Designee):	PHONE NO.:
E-MAIL:	LAB USE ONLY

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

252359

* 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	NWTPH-Dx w/ silica gel cleanup	BTEX (8260 B)	TEMPERATURE ON RECEIPT C°
	MW-1	MW-1	10/20/09	1230	GW	7	X	X	X	AGW pH: 1.5
	MW-2	MW-2	"	1050	GW	7	X	X	X	1.5
	MW-3	MW-3	"	1020	GW	7	X	X	X	1.5
	MW-4	MW-4	"	1125	GW	7	X	X	X	1.5
	MW-5	MW-5	"	1155	GW	7	X	X	X	1.5
	MW-6	MW-6	"	0945	GW	7	X	X	X	1.5
	MW-7	MW-7	"	0840	GW	7	X	X	X	1.5
	MW-11	MW-11	"	0910	GW	7	X	X	X	1.5
	—	TB				6	X	X	X	

Relinquished by (Signature)	Received by (Signature)	Date: 10/22/09	Time: 1000
Relinquished by (Signature)	Received by (Signature)	Date: 10/22/09	Time: 1045
Relinquished by (Signature)	Received by (Signature)	Date:	Time:

9/18/03 Revision