QUARTERLY GROUNDWATER MONITORING REPORT FOR

CONOCOPHILLIPS COMPANY

RM&R #1571

200 South 36th Street

Bellingham, Washington

Stantec Consulting Corporation
12034 134th Court NE, Suite 102
Redmond, WA 98052
Tel: (425) 372-1600
Fax: (425) 372-1650

Quarterly Groundwater Monitoring Report - Fourth Quarter 2008
ConocoPhillips Service Station No. 256380 (RM&R #1571)
Washington Department of Ecology Voluntary Cleanup Program ID #NW1487
200 South 36th Street
Bellingham, Washington 98225

Stantec Project No.:
01CP.01571.41.8521

Submitted to:
Mr. Mark Adams
Washington State Department of Ecology
3190 160th Avenue SE
Bellevue, WA 98008-5452

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

Prepared on behalf of:
ConocoPhillips Company

January 30, 2009

Dear Mr. Adams:

Stantec Consulting Corporation (Stantec) is pleased to submit this quarterly groundwater monitoring report to the Washington State Department of Ecology (DOE) Voluntary Cleanup Program (VCP) on behalf of the ConocoPhillips Company (ConocoPhillips). This report represents the results of groundwater monitoring activities performed by Stantec on December 10, 2008 at ConocoPhillips Service Station No. 256380 (RM&R #1571, DOE VCP #NW1487), located at 200 South 36th Street, Bellingham, Washington (the "site"). Site location is illustrated on Figure 1. Groundwater monitoring was performed in accordance with Stantec's protocols for groundwater monitoring events (Attachment A).

GROUNDWATER MONITORING AND SAMPLING

On December 10, 2008, Stantec performed fourth quarter 2008 groundwater monitoring activities at the site. Three groundwater monitoring wells (MW-1, MW-7, and MW-8) were gauged and sampled out of the network of eight groundwater monitoring wells (MW-1 through MW-8) on site. Wells MW-2 through MW-6 were removed from the sampling event this quarter. These activities are described below.

Monitoring Well Gauging

The monitoring wells were gauged for the presence of separate phase hydrocarbons (SPH) and depth to groundwater prior to the beginning of purging and sampling. An SPH thickness greater than 0.01 foot was not measured in the groundwater monitoring wells. The depth to groundwater ranged from 5.62 feet (MW-1) to 7.55 feet (MW-8) below the top of casing (TOC). These depths to groundwater were used to calculate the groundwater elevation in each well, and evaluate the groundwater flow direction and gradient. Well locations and groundwater flow direction are shown on Figure 2. Based on these data, the inferred groundwater flow direction was to the southeast at an approximate gradient of 0.03 foot per foot (ft/ft).

Groundwater gauging data for the current quarter and the previous three quarters are summarized in Table 1. Current and historical groundwater gauging data are summarized in Table 2.

Monitoring Well Purging

Once the depth to groundwater was measured in the site wells, the wells were purged via low-flow methodology using a peristaltic pump and dedicated polyethylene tubing. Water quality parameters were measured during purging and recorded on field data sheets (Attachment B).

The purged groundwater along with decontamination water was stored on site in a 55-gallon steel drum, pending laboratory characterization and off site disposal.

Monitoring Well Sampling

Following purging operations, groundwater samples were collected using a peristaltic pump and placed into appropriate containers for the requested analyses. Samples that were analyzed for benzene, toluene, ethylbenzene, total xylenes (BTEX) and total petroleum hydrocarbons gasoline range organics (TPH-G) were contained in 40 milliliter (mL) volatile organic analyte vials (VOAs) and preserved with hydrochloric acid (HCl). Samples that were analyzed for total petroleum hydrocarbons diesel range organics (TPH-D) and total petroleum hydrocarbons as oil/heavy range organics (TPH-O) were contained in 1-liter amber bottles preserved with HCl.

Once the sample containers were filled and sealed, they were labeled with the site name, sample name, sample number, collection date and time, preservative used, and analyses requested. This information was included on the chain-of-custody form. The containers were placed on ice in an insulated cooler for delivery under chain-of-custody documentation to Lancaster Laboratories, located in Lancaster, Pennsylvania.

GROUNDWATER SAMPLING RESULTS

Analytical Results

During the fourth quarter 2008, groundwater samples were analyzed for the presence of BTEX by Environmental Protection Agency (EPA) Method 8260B, TPH-G by the Washington State DOE Method NWTPH-Gx, and TPH-D and TPH-O by DOE Method NWTPH-Dx, with silica gel cleanup for TPH-D. A copy of the certified laboratory analytical report and chain of custody documentation from Lancaster Laboratories are included in Attachment C. Current groundwater analytical results are summarized in Table 1, along with the analytical results from the previous three quarters. Historical analytical results are summarized in Table 2. Analytical results are illustrated on Figure 3 for the current quarter and the three previous quarters. A summary of the analytical results includes the following:

- TPH-G was detected at a concentration greater than the method reporting limits (MRLs), but less than the Model Toxics Control Act (MTCA) Method A cleanup level of 1,000 micrograms per liter (µg/L), in the groundwater sample collected from well MW-7 (260 µg/L). TPH-G was not reported at concentrations greater than the MRLs in any of the other groundwater samples collected.

- TPH-D was detected at a concentration greater than the MRLs, but less than the MTCA Method A cleanup level of 500 µg/L, in the groundwater sample collected from well MW-

7 (460 µg/L). TPH-D was not reported at concentrations greater than the MRLs in any of the other groundwater samples collected.

- TPH-O was detected at a concentration greater than the MRLs, but less than the MTCA Method A cleanup level of 500 µg/L, in the groundwater sample collected from well MW-8 (180 µg/L). TPH-O was not reported at concentrations greater than the MRLs in any of the other groundwater samples collected.

- BTEX constituents were not reported at concentrations greater than the MRLs in any of the groundwater samples collected.

Reported concentrations of petroleum hydrocarbons and BTEX constituents remained relatively consistent with previous sampling events. No petroleum hydrocarbons and BTEX constituents were reported above MTCA Method A cleanup levels for the first time.

Laboratory Quality Control

The laboratory report from Lancaster Laboratories did not report quality assurance/quality control (QA/QC) issues.

WASTE DISPOSAL

Purge and rinsate water generated during the monitoring and sampling event was temporarily stored on site in a labeled; DOT approved 55-gallon steel drum. On January 13, 2009 the 55-gallon drum was removed by General Environmental Management, Inc. for proper disposal. The manifest for the disposal of this drum will be submitted under separate cover.

CONCLUSIONS

Based on analytical results from the fourth quarter 2008, reported concentrations of petroleum hydrocarbons and BTEX constituents remained relatively consistent with previous sampling events. No petroleum hydrocarbons and BTEX constituents were reported above MTCA Method A cleanup levels for the first time.

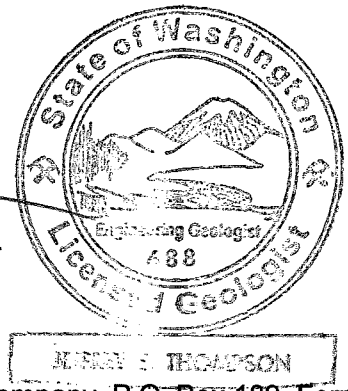
LIMITATIONS

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

Prepared by:

Tammy Parise
Staff Geologist

Reviewed by:



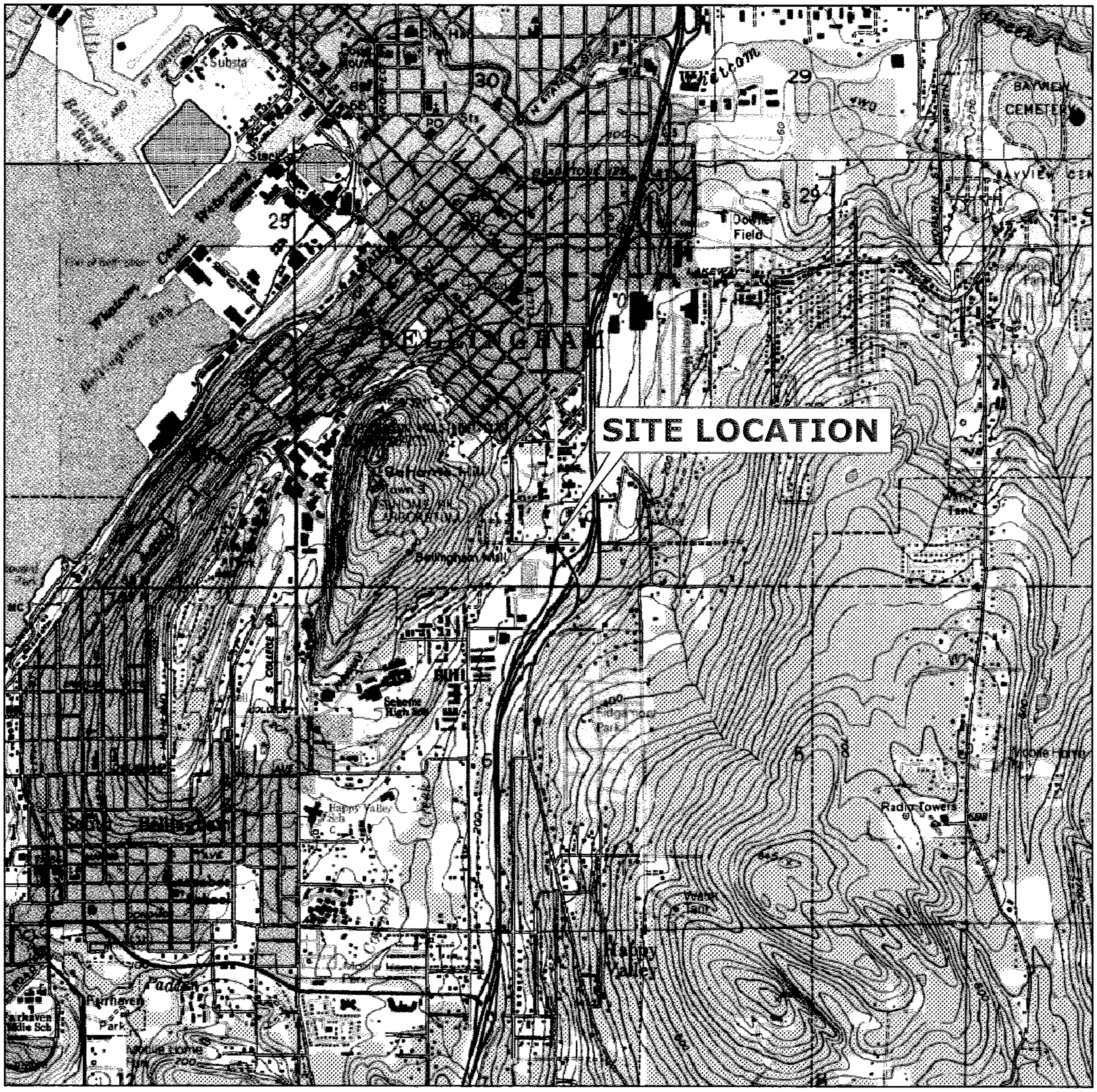
Jeffrey S. Thompson, L.G., L.E.G.
Principal Geologist

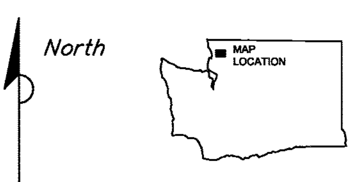
cc: Mr. Victor Boulos, Keith Oil Company, P.O. Box 189, Ferndale, WA 98248

ATTACHMENTS

Figure 1	Site Location Map
Figure 2	Groundwater Elevation Contour Map (12/10/08)
Figure 3	Recent Groundwater Concentration Map (12/10/08)
Table 1	Recent Groundwater Elevations and Sample Analytical Results
Table 2	Historical Groundwater Elevations and Sample Analytical Results
Attachment A	Field and Laboratory Procedures
Attachment B	Field Data Sheets
Attachment C	Certified Laboratory Analytical Report and Chain of Custody Documentation

FIGURES





1 1/2 0 1

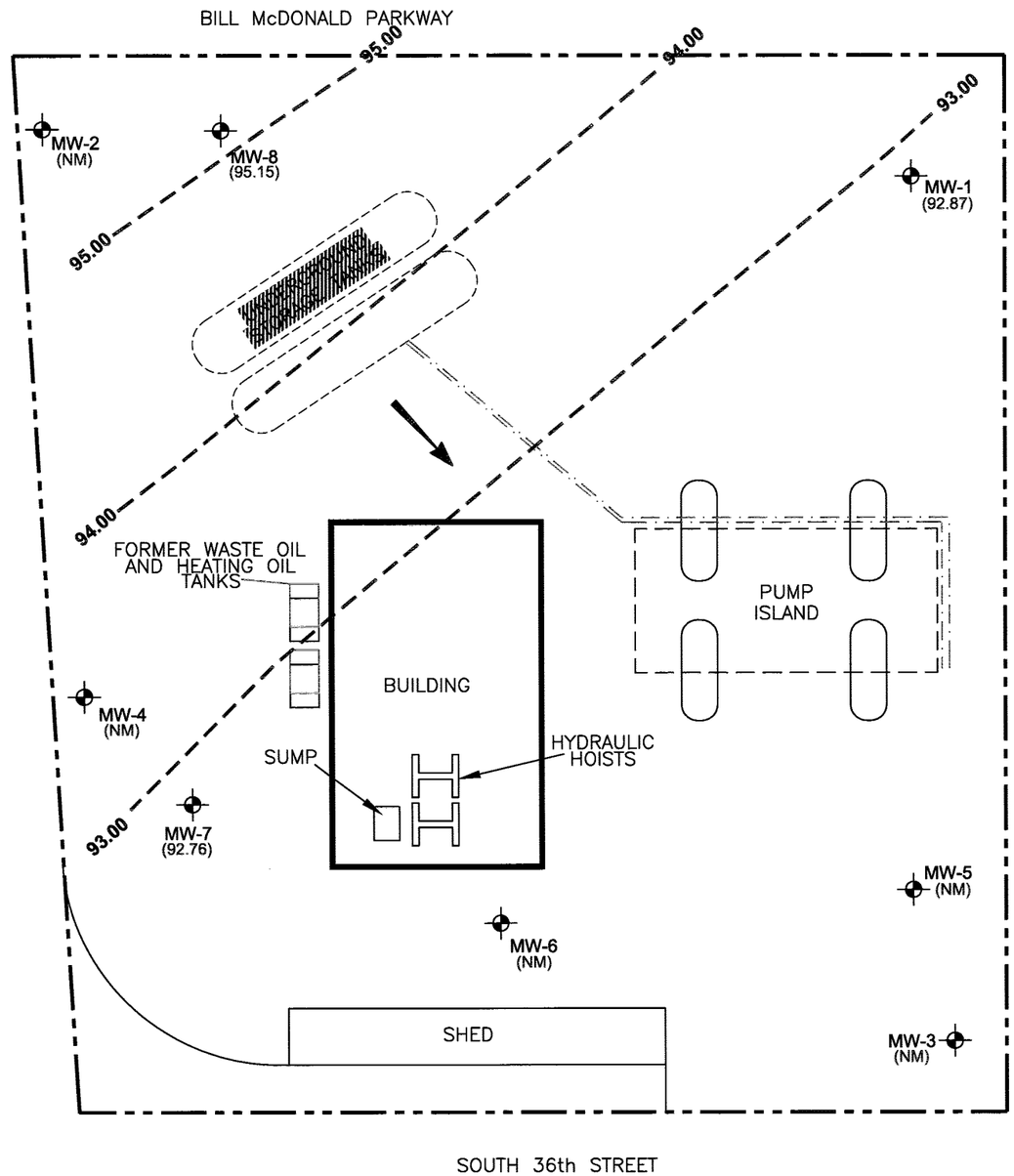
SCALE (MILES)

1000 0 1000 2000 3000 4000 5000 6000 7000

SCALE (FEET)

REFERENCE: USGS 7.5 MINUTE QUADRANGLE; BELLINGHAM SOUTH, WASHINGTON; 1972

Stantec 12034 134th COURT, SUITE 102 REDMOND, WASHINGTON PHONE: (425) 372-1600 FAX: (425) 372-1650	FOR: ConocoPhillips FACILITY NO 256380 (RM&R 1571) 200 SOUTH 36th STREET BELLINGHAM, WASHINGTON		SITE LOCATION MAP	FIGURE: 1
	JOB NUMBER: 01CP.01571.40	DRAWN BY: DJH	CHECKED BY: TP / APPROVED BY: JR	DATE: 1/7/09



LEGEND

- MONITORING WELL LOCATION
- SITE BOUNDARY

GROUNDWATER

- (92.87) GROUNDWATER ELEVATION (FEET)
- (NM) NOT MEASURED
- INFERRED GROUNDWATER FLOW DIRECTION
- 94 GROUNDWATER ELEVATION CONTOUR (FEET)

NOTES:

1). ALL LOCATIONS ARE APPROXIMATE.

North

0 20 40

APPROXIMATE SCALE (FEET)

SOURCE:
BASE MAP FROM; ENVIRONMENTAL RESOLUTIONS, INC. (ERI) TITLED GROUNDWATER SAMPLE ANALYSIS MAP– 06/10/03, PLATE 1, DATED 07/08/03, PROJECT NO. 31065. CADD FILE 31065.13.DWG

Stantec
12034 134th COURT, SUITE 102
REDMOND, WASHINGTON
PHONE: (425) 372-1600 FAX: (425) 372-1650

FOR: ConocoPhillips
FACILITY NO. 256380 (RM&R 1571)
200 SOUTH 36th STREET
BELLINGHAM, WASHINGTON

SITE PLAN WITH GROUNDWATER ELEVATIONS (DECEMBER 10, 2008)

FIGURE: **2**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
01CP.01571.40	DJH	TP	JR	1/7/09

MW-8	3/5/08	6/11/08	9/10/08	12/10/08
TPHg	<50	<50 [d]	<50	<50
TPHd	<150	240	<79	<29
TPHo	**860**	**1,000**	<99	180
B	<0.5	<0.5 [d]	<0.5	<0.5
T	<0.7	<0.7 [d]	<0.7	<0.7
E	<0.8	<0.5 [d]	<0.8	<0.8
X	<0.8	<0.5 [d]	<0.8	<0.8
MTBE	<0.5	<0.5 [d]	<0.5	--

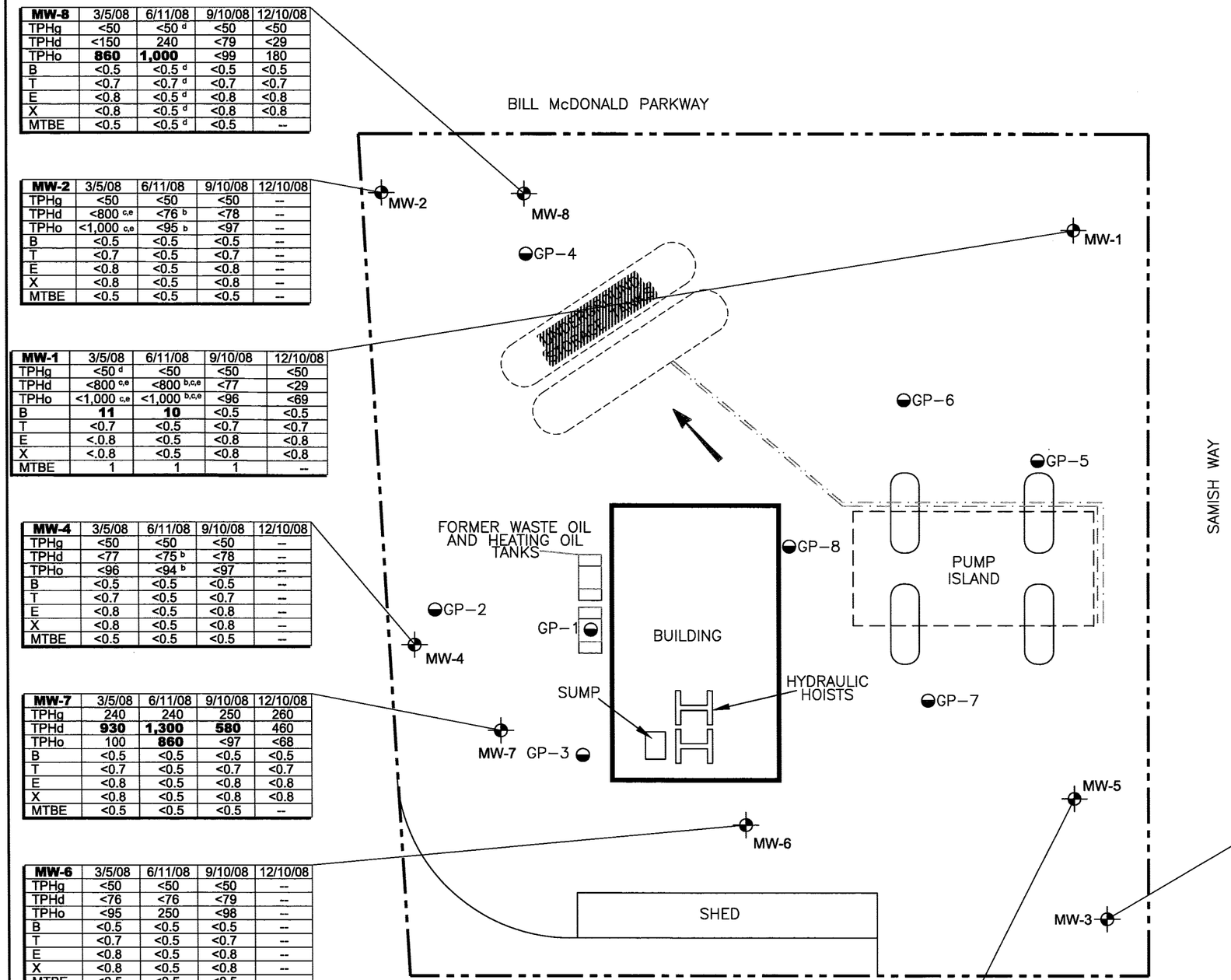
MW-2	3/5/08	6/11/08	9/10/08	12/10/08
TPHg	<50	<50	<50	--
TPHd	<800 [c,e]	<76 [b]	<78	--
TPHo	<1,000 [c,e]	<95 [b]	<97	--
B	<0.5	<0.5	<0.5	--
T	<0.7	<0.5	<0.7	--
E	<0.8	<0.5	<0.8	--
X	<0.8	<0.5	<0.8	--
MTBE	<0.5	<0.5	<0.5	--

MW-1	3/5/08	6/11/08	9/10/08	12/10/08
TPHg	<50 [d]	<50	<50	<50
TPHd	<800 [c,e]	<800 [b,c,e]	<77	<29
TPHo	<1,000 [c,e]	<1,000 [b,c,e]	<96	<69
B	**11**	**10**	<0.5	<0.5
T	<0.7	<0.5	<0.7	<0.7
E	<.0.8	<0.5	<0.8	<0.8
X	<.0.8	<0.5	<0.8	<0.8
MTBE	1	1	1	--

MW-4	3/5/08	6/11/08	9/10/08	12/10/08
TPHg	<50	<50	<50	--
TPHd	<77	<75 [b]	<78	--
TPHo	<96	<94 [b]	<97	--
B	<0.5	<0.5	<0.5	--
T	<0.7	<0.5	<0.7	--
E	<0.8	<0.5	<0.8	--
X	<0.8	<0.5	<0.8	--
MTBE	<0.5	<0.5	<0.5	--

MW-7	3/5/08	6/11/08	9/10/08	12/10/08
TPHg	240	240	250	260
TPHd	**930**	**1,300**	**580**	460
TPHo	100	**860**	<97	<68
B	<0.5	<0.5	<0.5	<0.5
T	<0.7	<0.5	<0.7	<0.7
E	<0.8	<0.5	<0.8	<0.8
X	<0.8	<0.5	<0.8	<0.8
MTBE	<0.5	<0.5	<0.5	--

MW-6	3/5/08	6/11/08	9/10/08	12/10/08
TPHg	<50	<50	<50	--
TPHd	<76	<76	<79	--
TPHo	<95	250	<98	--
B	<0.5	<0.5	<0.5	--
T	<0.7	<0.5	<0.7	--
E	<0.8	<0.5	<0.8	--
X	<0.8	<0.5	<0.8	--
MTBE	<0.5	<0.5	<0.5	--



MW-5	3/5/08	6/11/08	9/10/08	12/10/08
TPHg	<50	<50	<50	--
TPHd	<76	91	<78	--
TPHo	<95	<94	<98	--
B	<0.5	<0.5	<0.5	--
T	<.0.7	<0.5	<0.7	--
E	<0.8	<0.5	<0.8	--
X	<0.8	<0.5	<0.8	--
MTBE	<0.5	<0.5	<0.5	--

MW-3	3/5/08	6/11/08	9/10/08	12/10/08
TPHg	<50	<50	<50	--
TPHd	<76	100 [b]	<78	-
TPHo	<95	**560** [b]	<98	--
B	<0.5	<0.5	<0.5	--
T	<0.7	<0.5	<0.7	--
E	<0.8	<0.5	<0.8	--
X	<0.8	<0.5	<0.8	--
MTBE	<0.5	<0.5	<0.5	--

LEGEND

- MONITORING WELL LOCATION
- SITE BOUNDARY
- INFERRED GROUNDWATER FLOW DIRECTION

ANALYTES

WELL ID	
TPHg	GASOLINE RANGE HYDROCARBONS
TPHd	DIESEL RANGE HYDROCARBONS
TPHo	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)

BOLD VALUES EQUAL OR EXCEED MTCA METHOD A CLEANUP LEVELS.

< LESS THAN LABORATORY REPORING LIMITS

-- NOT ANALYZED OR NOT APPLICABLE

b THE RECOVERY FOR THE LABORATORY CONTROL SAMPLE (LCS) WITH THIS SAMPLE IS BELOW QUALITY CONTROL LIMITS. SINCE NO SAMPLE REMAINED FOR A REEXTRACTION THE DATA IS REPORTED.

c DUE TO THE NATURE OF THE SAMPLE MATRIX, A REDUCED ALIQUOT WAS USED FOR ANALYSIS. THE REPORTING LIMITS WERE RAISED ACCORDINGLY.

d PRESERVATION REQUIREMENTS WERE NOT MET. THE VIAL SUBMITTED FOR VOLATILE ANALYSIS DID NOT HAVE A pH <2 AT THE TIME OF ANALYSES. DUE TO THE VOLATILE NATURE OF THE ANALYTES, IT IS NOT APPROPRIATE FOR THE LABORATORY TO TO ADJUST THE pH AT THE TIME OF THE SAMPLE RECEIPT. THE pH OF THIS SAMPLE WAS pH=6.

e THE LABORATORY REPORTING LIMITS (RLs) ARE ABOVE MTCA METHOD A CLEANUP LEVELS.

NOTE:

1). ALL LOCATIONS ARE APPROXIMATE

North

0 20 40

APPROXIMATE SCALE (FEET)

SOURCE:
BASE MAP FROM; ENVIRONMENTAL RESOLUTIONS, INC. (ERI) TITLED GROUNDWATER SAMPLE ANALYSIS MAP– 06/10/03, PLATE 1, DATED 07/08/03, PROJECT NO. 31065. CADD FILE 31065.13.DWG

Stantec
12034 134th COURT, SUITE 102
REDMOND, WASHINGTON
PHONE: (425) 372-1600 FAX: (425) 372-1650

FOR: ConocoPhillips
FACILITY NO. 256380 (RM&R 1571)
200 SOUTH 36th STREET
BELLINGHAM, WASHINGTON

SITE PLAN WITH ANALYTICAL RESULTS (DECEMBER 10, 2008)

FIGURE: **3**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
01CP.01571.40	DJH	TP	JR	1/7/09

TABLES

TABLE 1
RECENT GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 256380 (RM&R 1571)
200 South 36th Street
Bellingham, Washington

Well Name	Sample Date	Elevation Data (feet)			Total Petroleum Hydrocarbons			Aromatic Hydrocarbons				
TOC Elevation		Depth to Water	SPH Thickness	GW Elevation	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE
MW-1	03/05/08	5.34	--	93.15	<50[d]	<800[c,e]	<1,000[c,e]	**11**	<0.7	<0.8	<0.8	1
98.49	06/11/08	5.34	0.00	93.15	<50	<800[b,c,e]	<1,000[b,c,e]	**10**	<0.5	<0.5	<0.5	1
	09/10/08	5.30	0.00	93.19	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	1
	12/10/08	5.62	0.00	92.87	<50	<29	<69	<0.5	<0.7	<0.8	<0.8	--
MW-2	03/05/08	8.05	--	92.69	<50	<800[c,e]	<1,000[c,e]	<0.5	<0.7	<0.8	<0.8	<0.5
100.74	06/11/08	8.25	0.00	92.49	<50	<76[b]	<95[b]	<0.5	<0.5	<0.5	<0.5	<0.5
	09/10/08	8.80	0.00	91.94	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5
	12/10/08	Removed from sampling event this quarter.				--	--	--	--	--	--	--
MW-3	03/05/08	4.89	--	92.95	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5
97.84	06/11/08	5.11	0.00	92.73	<50	100[b]	**560[b]**	<0.5	<0.5	<0.5	<0.5	<0.5
	09/10/08	5.30	0.00	92.54	<50	<78	<98	<0.5	<0.7	<0.8	<0.8	<0.5
	12/10/08	Removed from sampling event this quarter.				--	--	--	--	--	--	--
MW-4	03/05/08	6.17	--	93.27	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5
99.44	06/11/08	6.02	0.00	93.42	<50	<75[b]	<94[b]	<0.5	<0.5	<0.5	<0.5	<0.5
	09/10/08	6.85	0.00	92.59	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5
	12/10/08	Removed from sampling event this quarter.				--	--	--	--	--	--	--
MW-5	03/05/08	4.36	--	96.78	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5
101.14	06/11/08	4.21	0.00	96.93	<50	91	<94	<0.5	<0.5	<0.5	<0.5	<0.5
	09/10/08	4.30	0.00	96.84	<50	<78	<98	<0.5	<0.7	<0.8	<0.8	<0.5
	12/10/08	Removed from sampling event this quarter.				--	--	--	--	--	--	--
MW-6	03/05/08	5.46	--	94.28	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5
99.74	06/11/08	5.39	0.00	94.35	<50	<76	250	<0.5	<0.5	<0.5	<0.5	<0.5
	09/10/08	5.95	0.00	93.79	<50	<79	<98	<0.5	<0.7	<0.8	<0.8	<0.5
	12/10/08	Removed from sampling event this quarter.				--	--	--	--	--	--	--

TABLE 1
RECENT GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 256380 (RM&R 1571)
200 South 36th Street
Bellingham, Washington

Well Name	Sample Date	Elevation Data (feet)			Total Petroleum Hydrocarbons			Aromatic Hydrocarbons				
TOC Elevation		Depth to Water	SPH Thickness	GW Elevation	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE
MW-7	03/05/08	6.47	--	93.17	240	**930**	100	<0.5	<0.7	<0.8	<0.8	<0.5
99.64	06/11/08	6.13	0.00	93.51	240	**1,300**	**860**	<0.5	<0.5	<0.5	<0.5	<0.5
	09/10/08	7.20	0.00	92.44	250	**580**	<97	<0.5	<0.7	<0.8	<0.8	<0.5
	12/10/08	6.88	0.00	92.76	260	460	<68	<0.5	<0.7	<0.8	<0.8	--
MW-8	03/05/08	7.30	--	95.40	<50	<150	**860**	<0.5	<0.7	<0.8	<0.8	<0.5
102.7	06/11/08	7.22	0.00	95.48	<50[d]	240	**1,000**	<0.5[d]	0.7[d]	<0.5[d]	<0.5[d]	<0.5[d]
	09/10/08	8.20	0.00	94.50	<50	<79	<99	<0.5	<0.7	<0.8	<0.8	<0.5
	12/10/08	7.55	0.00	95.15	<50	<29	180	<0.5	<0.7	<0.8	<0.8	--
MTCA Method A Cleanup Levels:					**1000/800[a]**	**500**	**500**	**5**	**1000**	**700**	**1000**	**20**

NOTES:
Concentrations are in micrograms per liter (µg/L).
DTW = Depth to water in feet below top of casing.
GW Elev. = Groundwater elevation relative to top of casing elevation.
TPH-G = Gasoline range hydrocarbons by Northwest Method NWTPH-Gx.
TPH-D and TPH-O = Diesel and heavy oil range hydrocarbons, respectively, by Northwest Method NWTPH-Dx.
BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes by EPA Method 5030/8260B.
Total lead by ICP-US EPA Method 6010.
-- = Not Analyzed or Sampled.
< = Less than the stated laboratory reporting limit.
Bolded values equal or exceed MTCA Method A Cleanup Levels.
[a] Cleanup levels stated by MTCA Method A for TPH-G are 1000 µg/L when no benzene is present and 800 µg/L when benzene is present.
[b] The recovery for the laboratory control sample (LCS) with this sample is below quality control limits. Since no sample remained for a reextraction the data is reported.
[c] Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.
[d] Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analyses. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH=6.
[e] The laboratory reporting limits (RLs) are above MTCA Method A cleanup levels

TABLE 2
HISTORICAL GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 256380
200 South 36th Street
Bellingham, Washington

Well Name / TOC Elevation	Sample Date	Elevation Data (feet)			Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Lead	
		Depth to Water	SPH Thickness	GW Elevation	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Total Pb	Diss Pb
MW1	03/11/99	4.96	--	93.53	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	2.41	--
98.49	05/25/99	5.33	--	93.16	<50.0	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	---	--	--
	08/12/99	6.66	--	91.83	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	12/07/99	6.10	--	92.39	<50.0	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	6.18	--
	02/10/00	6.10	--	92.39	<50.0	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	1.75	--
	02/02/01	5.17	--	93.32	<50.0	588	<750[e]	**12.4**	1.02	1.10	2.77	--	--	<1.00
	02/08/02	5.77	--	92.72	**838**	**1,600**	<500	**128**	2.15	85.4	6.55	--	7.70	<1.00
	09/20/02	6.27	--	92.22	197	**1,320**	<588[e]	1.82	<0.500	33.0	<1.00	--	<1.00	--
	12/04/02	7.05	--	91.44	373	511	<568[e]	**106**	1.32	1.39	5.41	--	4.65	--
	03/05/03	5.70	--	92.79	168	<250	<500	**28.3**	1.70	3.55	5.87	--	4.90	--
	06/10/03	5.92	--	92.57	400	<250	<500	**36.9**	2.43	30.5	6.97	--	**17.1**	--
	09/03/03	6.30	--	92.19	258	301	<588[e]	1.91	3.22	4.30	5.25	--	8.72	--
	12/12/03	5.530	--	92.960	204	**700**	304	2.45	<0.500	<0.500	<1.500	--	<5.0	--
	03/24/04	6.11	--	92.38	163	<126	<251	**12.6**	<1.00	<1.00	<3.00	--	14.6	--
	6/17/2004	5.10	--	93.39	<50.0	<118	<237	4.98	<0.500	<0.500	<1.50	--	--	<10.0
	9/23/2004	5.28	--	93.21	190	<267	<535[e]	<0.50	<0.50	<0.50	<1.0	--	<10.0	--
	12/29/2004	5.42	--	93.07	<100	<241	<482	<1.00	<1.00	<1.00	<3.00	--	--	<10.0
	3/4/2005	5.73	--	92.76	<100	<241	<482	<1.00	<1.00	<1.00	<3.00	--	<10.0	--
	6/9/2005	6.10	--	92.39	<100	<236	<472	<1	<1	<1	<3	1.26	--	<15
	09/15/05	6.60	--	91.89	<48	<160	<200	<0.5	<0.5	<0.5	<1.5	--	--	<0.87
	12/15/05	5.94	--	92.55	<48	170	110	<0.2	<0.2	<0.2	<0.6	--	--	--
	03/10/06	5.34	--	93.15	<48	<76	<95	0.6	<0.2	<0.2	<0.6	--	--	--
	06/30/06	8.88	--	89.61	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	1.3	--	--
	03/07/07	UNABLE TO GAUGE OR SAMPLE;PUBLIC WORKS TRUCKS PARKED OVER WELL.												
	06/01/07	5.47	--	93.02	<50	--	--	<0.5	<0.7	<0.8	<0.8	1.0	--	--
	09/06/07	6.01	--	92.48	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	0.5	--	--
	12/03/07	6.63	--	91.86	<50	<400[c]	<500[c]	<0.5	<0.7	<0.8	<0.8	0.6	--	--
	03/05/08	5.34	--	93.15	<50[d]	<800[c,e]	<1,000[c,e]	**11**	<0.7	<0.8	<0.8	1	--	--
	06/11/08	5.34	0.00	93.15	<50	<800[b,c,e]	<1,000[b,c,e]	**10**	<0.5	<0.5	<0.5	1	--	--
	09/10/08	5.30	0.00	93.19	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	1	--	--
	12/10/08	5.62	0.00	92.87	<50	<29	<69	<0.5	<0.7	<0.8	<0.8	--	--	--

TABLE 2
HISTORICAL GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 256380
200 South 36th Street
Bellingham, Washington

Well Name	Sample Date	Elevation Data (feet)			Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Lead	
TOC Elevation		Depth to Water	SPH Thickness	GW Elevation	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Total Pb	Diss Pb
MW2	03/11/99	7.93	--	92.81	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	**162**	--
100.74	05/25/99	8.18	--	92.56	<50.0	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--
	08/12/99	8.94	--	91.80	<50.0	281	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--
	12/07/99	8.04	--	92.70	<50.0	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	**17.0**	--
	02/10/00	8.32	--	92.42	<50.0	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	**49.1**	--
	02/02/01	6.40	--	94.34	<50.0	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	<1.00
	02/08/02	7.77	--	92.97	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	**40.6**	<1.00
	09/20/02	9.23	--	91.51	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	12/04/02	9.15	--	91.59	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	2.89	--
	03/05/03	8.28	--	92.46	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	**19.8**	--
	06/10/03	8.56	--	92.18	<50.0	<284	<568[e]	<0.500	1.36	<0.500	2.53	--	**40.1**	--
	09/03/03	9.13	--	91.61	<80.0	<298	<595[e]	0.829	1.25	0.519	2.49	--	**33.3**	--
	12/12/03	8.120	--	92.62	<50.0	<119	<237	<0.250	<0.500	<0.500	<1.500	--	<5.0	--
	03/24/04	8.13	--	92.61	<100	<124	<248	<1.00	<1.00	<1.00	<3.00	--	**21.3**	
	6/17/2004	8.13	--	92.61	<50.0	<119	<238	<0.250	<0.500	<0.500	<1.50	--	--	<10.0
	9/23/2004	8.33	--	92.41	<50	<271	<542[e]	<0.50	<0.50	<0.50	<1.0	--	<10.0	--
	12/29/2004	7.82	--	92.92	<100	<239	<478	<1.00	<1.00	<1.00	<3.00	--	--	<10.0
	3/4/2005	8.34	--	92.40	<100	<239	<478	<1.00	<1.00	<1.00	<3.00	--	<10.0	--
	6/9/2005	8.66	--	92.08	<100	<238	<475	<1	<1	<1	<3	<1	--	<15
	9/15/2005	5.40	--	95.34	<48	<75	<94	<0.5	<0.5	<0.5	<1.5	--	--	<0.87
	12/15/2005	8.44	--	92.30	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	--	--	--
	3/10/2006	8.28	--	92.46	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	--	--	--
	06/30/06	8.71	--	92.03	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	<0.3	--	--
	03/07/07	7.80	--	92.94	<48	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	06/01/07	8.38	--	92.36	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	09/06/07	9.06	--	91.68	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	12/03/07	6.69	--	94.05	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	03/05/08	8.05	--	92.69	<50	<800[c,e]	<1,000[c,e]	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	06/11/08	8.25	0.00	92.49	<50	<76[b]	<95[b]	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
	09/10/08	8.80	0.00	91.94	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	12/10/08	Removed from sampling event this quarter.				--	--	--	--	--	--	--	--	--

TABLE 2
HISTORICAL GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 256380
200 South 36th Street
Bellingham, Washington

Well Name	Sample Date	Elevation Data (feet)			Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Lead	
TOC Elevation		Depth to Water	SPH Thickness	GW Elevation	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Total Pb	Diss Pb
MW3	03/11/99	4.93	--	92.91	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	6.35	--
97.84	05/25/99	5.19	--	92.65	210	383	<750[e]	<0.500	<0.500	3.04	3.93	--	--	--
	08/12/99	5.70	--	92.14	56.3	<250	<750[e]	<0.500	<0.500	0.732	1.84	--	--	--
	12/07/99	5.03	--	92.81	94.7	<250	<750[e]	<0.500	0.598	<0.500	<1.00	--	4.40	--
	02/10/00	4.92	--	92.92	<50.0	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	**17.6**	--
	02/02/01	4.76	--	93.08	63.0	413	<750[e]	<0.500	<0.500	0.503	<1.00	--	--	<1.00
	02/08/02	4.59	--	93.25	91.5	410	<500	<0.500	<0.500	<0.500	<1.00	--	**22.3**	<1.00
	09/20/02	5.88	--	91.96	129	372	<500	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	12/04/02	5.26	--	92.58	147	371	<500	<0.500	<0.500	<0.500	<1.00	--	4.60	--
	03/05/03	4.70	--	93.14	62.2	<250	<500	<0.500	<0.500	<0.500	<1.00	--	12.5	--
	06/10/03	5.31	--	92.53	<50.0	<250	<500	<0.500	0.562	<0.500	<1.00	--	6.90	--
	09/03/03	5.66	--	92.18	<80.0	<250	<500	2.12	0.753	<0.500	<1.00	--	<1.00	--
	12/12/03	4.785	--	93.06	<50.0	<119	<237	<0.250	<0.500	<0.500	<1.500	--	<5.0	--
	03/24/04	4.81	--	93.03	<100	<128	<256	<1.00	<1.00	<1.00	<3.00	--	**20.0**	--
	6/17/2004	4.97	--	92.87	<50.0	<119	<238	<0.250	<0.500	<0.500	<1.50	--	--	<10.0
	9/23/2004	5.03	--	92.81	140	<255	<509[e]	<0.50	<0.50	<0.50	<1.0	--	<10.0	--
	12/29/2004	4.53	--	93.31	<100	<239	<478	<1.00	<1.00	<1.00	<3.00	--	--	<10.0
	3/4/2005	5.02	--	92.82	<100	<241	<482	<1.00	<1.00	<1.00	<3.00	--	<10.0	--
	6/9/2005	5.25	--	92.59	<100	<238	<475	<1	<1	<1	<3	<1	--	<15
	9/15/2005	7.20	--	90.64	<48	<75	<93	<0.5	<0.5	<0.5	<1.5	--	--	<0.87
	12/15/2005	5.09	--	92.75	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	--	--	--
	3/10/2006	4.75	--	93.09	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	--	--	--
	06/30/06	5.40	--	92.44	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	<0.3	--	--
	03/07/07	4.42	--	93.42	<48	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	06/01/07	4.94	--	92.90	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	09/06/07	5.43	--	92.41	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	12/03/07	4.70	--	93.14	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	03/05/08	4.89	--	92.95	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	06/11/08	5.11	0.00	92.73	<50	100[b]	**560**[b]	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
	09/10/08	5.30	0.00	92.54	<50	<78	<98	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	12/10/08	Removed from sampling event this quarter.				--	--	--	--	--	--	--	--	--

TABLE 2
HISTORICAL GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 256380
200 South 36th Street
Bellingham, Washington

Well Name	Sample Date	Elevation Data (feet)			Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Lead	
TOC Elevation		Depth to Water	SPH Thickness	GW Elevation	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Total Pb	Diss Pb
MW4	03/11/99	6.39	--	93.05	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	**29.0**	--
99.44	05/25/99	6.62	--	92.82	<50.0	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--
	08/12/99	7.31	--	92.13	<50.0	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--
	12/07/99	6.37	--	93.07	<50.0	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	10.2	--
	02/10/00	6.48	--	92.96	<50.0	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	**23.6**	--
	02/02/01	6.37	--	93.07	<50.0	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	<1.00
	02/08/02	6.03	--	93.41	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	3.30	<1.00
	09/20/02	7.37	--	92.07	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	12/04/02	7.03	--	92.41	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	03/05/03	6.33	--	93.11	<50.0	<284	<568[e]	<0.500	<0.500	<0.500	<1.00	--	6.81	--
	06/10/03	6.99	--	92.45	<50.0	<250	<500	<0.500	0.687	<0.500	1.26	--	10.5	--
	09/03/03	7.60	--	91.84	<80.0	<312	<625[e]	0.620	<0.500	<0.500	<1.00	--	2.75	--
	12/12/03	6.485	--	92.96	<50.0	<118	<237	<0.250	<0.500	<0.500	<1.500	--	<5.0	--
	03/24/04	6.54	--	92.90	<100	<133	<265	<1.00	<1.00	<1.00	<3.00	--	<5.0	--
	6/17/2004	5.91	--	93.53	<50.0	<119	<237	<0.250	<0.500	<0.500	<1.50	--	--	<10.0
	9/23/2004	6.52	--	92.92	<50	<259	<518[e]	<0.50	<0.50	<0.50	<1.0	--	<10.0	--
	12/29/2004	6.14	--	93.30	<100	<240	<480	<1.00	<1.00	<1.00	<3.00	--	--	<10.0
	3/4/2005	6.65	--	92.79	<100	<240	<481	<1.00	<1.00	<1.00	<3.00	--	<10.0	--
	6/9/2005	6.91	--	92.53	<100	<237	<473	<1	<1	<1	<3	<1	--	<15
	9/15/2005	6.10	--	93.34	<48	150	<93	<0.5	<0.5	<0.5	<1.5	--	--	<0.87
	12/15/2005	6.73	--	92.71	<48	180	<94	<0.2	<0.2	<0.2	<0.6	--	--	--
	3/10/2006	6.28	--	93.16	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	--	--	--
	06/03/06	6.80	--	92.64	<48	130	<95	<0.2	<0.2	<0.2	<0.6	0.8	--	--
	03/07/07	5.81	--	93.63	<48	83	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	06/01/07	6.60	--	92.84	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	09/06/07	7.12	--	92.32	<50	170	<95	<0.5	<0.7	<0.8	<0.8	0.6	--	--
	12/03/07	6.00	--	93.44	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	03/05/08	6.17	--	93.27	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	06/11/08	6.02	0.00	93.42	<50	<75[b]	<94[b]	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
	09/10/08	6.85	0.00	92.59	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	12/10/08	Removed from sampling event this quarter.				--	--	--	--	--	--	--	--	--

TABLE 2
HISTORICAL GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 256380
200 South 36th Street
Bellingham, Washington

Well Name	Sample Date	Elevation Data (feet)			Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Lead	
TOC Elevation		Depth to Water	SPH Thickness	GW Elevation	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Total Pb	Diss Pb
MW-5	1/11/2006	4.04	--	97.10	<48	<75	<94	1.7	<0.2	<0.2	<0.6	--	<8.4	--
101.14	3/10/2006	3.81	--	97.33	65	<75	<94	**13**	0.2	<0.2	<0.6	--	--	--
	06/30/06	4.46	--	96.68	57	<76	<95	8.6	<0.2	<0.2	<0.6	<5.0	--	--
	03/07/07	3.48	--	97.66	<48	<76	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	06/01/07	4.10	--	97.04	<50	--	--	<0.5	<0.7	<0.8	<0.8	0.6	--	--
	09/06/07	4.43	--	96.71	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	12/03/07	4.64	--	96.50	<50	**99**	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	03/05/08	4.36	--	96.78	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	06/11/08	4.21	0.00	96.93	<50	91	<94	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
	09/10/08	4.30	0.00	96.84	<50	<78	<98	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	12/10/08	Removed from sampling event this quarter.				--	--	--	--	--	--	--	--	--
MW-6	1/11/2006	4.89	--	94.85	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	--	<8.4	--
99.74	3/10/2006	5.47	--	94.27	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	--	--	--
	06/30/06	6.50	--	93.24	<48	<80	<100	<0.2	<0.2	<0.2	<0.6	<0.3	--	--
	03/07/07	5.08	--	94.66	<48	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	06/10/07	5.73	--	94.01	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	09/06/07	6.22	--	93.52	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	12/03/07	5.46	--	94.28	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	03/05/08	5.46	--	94.28	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	06/11/08	5.39	0.00	94.35	<50	<76	250	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
	09/10/08	5.95	0.00	93.79	<50	<79	<98	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	12/10/08	Removed from sampling event this quarter.				--	--	--	--	--	--	--	--	--
MW-7	1/11/2006	6.07	--	93.57	160	**780**[b]	<94[b]	<0.2	<0.2	<0.2	<0.6	2.5	<8.4	--
99.64	3/10/2006	6.71	--	92.93	140	**540**	<94	<0.2	<0.2	<0.2	<0.6	--	--	--
	06/30/06	7.31	--	92.33	190	1,000	<480	0.2	<0.2	<0.2	<0.6	2	--	--
	03/07/07	6.00	--	93.64	340	**870**	<94	<0.5	<0.7	<0.8	<0.8	0.7	--	--
	06/01/07	6.99	--	92.65	210	**--**	--	<0.5	<0.7	<0.8	<0.8	0.8	--	--
	09/06/07	7.47	--	92.17	250	**1,000**	160	<0.5	<0.7	<0.8	<0.8	0.8	--	--
	12/03/07	4.97	--	94.67	400	**970**	140	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	03/05/08	6.47	--	93.17	240	**930**	100	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	06/11/08	6.13	0.00	93.51	240	**1,300**	**860**	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
	09/10/08	7.20	0.00	92.44	250	**580**	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	12/10/08	6.88	0.00	92.76	260	460	<68	<0.5	<0.7	<0.8	<0.8	--	--	--

TABLE 2
HISTORICAL GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 256380
200 South 36th Street
Bellingham, Washington

Well Name	Sample Date	Elevation Data (feet)			Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Lead	
TOC Elevation		Depth to Water	SPH Thickness	GW Elevation	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Total Pb	Diss Pb
MW-8	1/11/2006	7.00	--	95.70	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	--	<8.4	--
102.7	3/10/2006	7.50	--	95.20	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	--	--	--
	06/30/06	7.97	--	94.73	<48	<77	<96	<0.2	<0.2	<0.2	<0.6	<0.3	--	--
	03/07/07	6.93	--	95.77	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	06/01/07	7.77	--	94.93	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	09/06/07	8.45	--	94.25	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	12/03/07	7.51	--	95.19	<50	<76	290	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	03/05/08	7.30	--	95.40	<50	<150	**860**	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	06/11/08	7.22	0.00	95.48	<50[d]	240	**1,000**	<0.5[d]	0.7[d]	<0.5[d]	<0.5[d]	<0.5[d]	--	--
	09/10/08	8.20	0.00	94.50	<50	<79	<99	<0.5	<0.7	<0.8	<0.8	<0.5	--	--
	12/10/08	7.55	0.00	95.15	<50	<29	180	<0.5	<0.7	<0.8	<0.8	--	--	--
MTCA Method A Cleanup Levels					**1000/800[a]**	**500**	**500**	**5**	**1000**	**700**	**1000**	**20**	**15**	**15**

NOTES:
TOC = Top of Casing
All concentrations are in ug/L (ppb).
Wellhead elevations were taken from prior consultant's reports.
DTW = Depth to water in feet below top of casing
GW Elev. = Groundwater elevation relative to top of casing elevation
TPH-G = Total Petroleum Hydrocarbons as Gasoline by Ecology Method NWTPH-Gx
TPH-D and TPH-O = Total Petroleum Hydrocarbons as Diesel and Oil, respectively, by Ecology Method NWTPH-Dx
B = Benzene; T = Toluene; E = Ethylbenzene; X = Total Xylenes
BTEX = Aromatic compounds by EPA Method 8020, 8021B or 8260B, refer to laboratory reports.
Prior to 12/12/03 Total Pb by EPA Method 6020; Diss Pb = Dissolved lead by EPA Method 6020
After 9/03/03 Total Pb = Total lead by ICP-USEPA Method 6010; Diss Pb = Dissolved lead by ICP-USEPA Method 6010
-- = Not Analyzed or Sampled
< = Less than the stated laboratory reporting limit
Shaded values equal or exceed MTCA Method A Cleanup Levels.
[a] Concentration levels stated by MTCA Method A for TPH-G are 1000 µg/L when no benzene is present and 800 µg/L when benzene is present.
Data collected before 12/12/03 are taken from prior consultants.
[b] The recovery for the laboratory control sample (LCS) with this sample is below quality control limits. Since no sample remained for a reextraction the data is reported.
[c] Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.
[d] Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analyses. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH=6.
[e] The laboratory reporting limits (RLs) are above current MTCA Method A cleanup levels

ATTACHMENT 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.

ATTACHMENT B
FIELD DATA SHEETS

SITE VISITATION REPORT
3Q08 - CP RM&R 1571 Bellingham, Washington

Name(s) ~~DAVE~~ Reitz Date: 12/10/08 Time of Arrival Call-In: 1300

Arrival Time: 1300 Departure Time: 1630 Time of Departure Call-In 1610

Who did you call? T. Parise

DRUM INVENTORY

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

HEALTH AND SAFETY ASSESSMENT

Apply P.P.E.
Review HASP P.T.W. J.S.A.
Set-up decon. station

DESCRIPTION OF ACTIVITIES ONSITE AND NOTES

1300 ~~Arrive~~ on job site. Call-in to office & inform site-contact of presence. Purchase ice.
1310 Perform site-walk & tailgate safety meeting.
~~Ste~~ Apply appropriate p.p.e. & set-up decon. station.
1320 Initiate gauging of 3 wells for physical measurements.
1340 Complete gauging procedures and initiate 4Q-08 GW.M. sampling procedures. (3 wells).
1530 Complete 4Q-08 GW.M. sample procedures.
Decon. Equipment. Stage purge water drum & label drum.
1545 Release purge water / rinsate solutions into staged drum
1600 Pack sample coolers & load equipment into truck.
1610 Call-in to office and inform site-contact of departure. Complete documentation.
1630 Depart job site.

12/10/08

SECOR International Incorporated

HYDROLOGIC DATA SHEET

Gauge Date: 12 / 10 / 08 **Project Name:** CP RM&R 1571 Bellingham

Field Technician: Dave Reitz **Project Number:** 01CP.0571.41.8504

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

Flow through cell calibrated Y X N___

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

WELL OR LOCATION	WELL SCREEN DEPTH	PROPOSED INTAKE RANGE (feet below TOC)	MEASUREMENTS				PURGE? (Y/N)	SHEEN? (Y/N)	SAMPLE? (Y/N)	COMMENTS / PROBE CALIBRATION
			TIME	DTP (feet)	DTW (feet)	DTB (feet)				
MW-1		Within the top half of the encountered water column. Top of screen interval if DTW < Depth to Screen.	1320	—	5.62	22.75	Y	N	Y	
MW-2		Within the top half of the encountered water column. Top of screen interval if DTW < Depth to Screen.								
MW-3		Within the top half of the encountered water column. Top of screen interval if DTW < Depth to Screen.								
MW-4		Within the top half of the encountered water column. Top of screen interval if DTW < Depth to Screen.								
MW-5		Within the top half of the encountered water column. Top of screen interval if DTW < Depth to Screen.								
MW-6		Within the top half of the encountered water column. Top of screen interval if DTW < Depth to Screen.								
MW-8		Within the top half of the encountered water column. Top of screen interval if DTW < Depth to Screen.	1330	—	7.55	17.70	Y	N	Y	
MW-7		Within the top half of the encountered water column. Top of screen interval if DTW < Depth to Screen.	1335	—	6.88	18.15	Y	N	Y	

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 01CP.01571.41 PURGED BY: Dave Reitz WELL I.D.: MW-1
CLIENT NAME: Conoco Phillips SAMPLED BY: Dave Reitz SAMPLE I.D.: MW-1
LOCATION: 200 S. 36th St. Bellingham WA.

DATE PURGED 12/10/08 START (2400hr) 1340 END (2400hr) 1415
DATE SAMPLED 12/10/08 SAMPLE TIME (2400hr) 1400 LOW-FLOW USED X
SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other ____

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

DEPTH TO BOTTOM (feet) = 22.75
DEPTH TO WATER (feet) = 5.62
WATER COLUMN HEIGHT (feet) = 17.13
ACTUAL PURGE (L) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME mL	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
12/10/08	1350	500	14.33	0.874	8.18	Clr.
	1353	500	14.49	0.827	8.23	Clr.
	1356	500	14.58	0.818	8.24	Clr.
	1359	500	14.57	0.807	8.24	Clr.

Calculated Variance of Final Three Samples: 0.09 0.020 0.01
Acceptable Variance Limits: ≤10% ≤3% ≤0.1

DEPTH TO PURGE INTAKE DURING PURGE: 19.00 SAMPLE DTW: 5.82

ANTICIPATED PURGE INTAKE DEPTH: 19.00 ANALYSES: ____

SAMPLE VESSEL / PRESERVATIVE: Glass / HCL

PURGING EQUIPMENT: Peristaltic pump, Horiba probe, Water Meter

SAMPLING EQUIPMENT: Peristaltic pump

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

WELL PAD CONDITION: Fair WELL CASING CONDITION: Fair
WELL VAULT CONDITION: Fair SEAL PRESENT?: yes BOLTS PRESENT?: yes
WELL INTEGRITY: Fair WELL TAG: yes LOCK#: yes

REMARKS: ____

SIGNATURE: [signature] 12/10/08

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 01CP.01571.41 PURGED BY: Dave Reitz WELL I.D.: MW-8
CLIENT NAME: Conoco Phillips SAMPLED BY: Dave Reitz SAMPLE I.D.: MW-8
LOCATION: 200 S. 36th St. Bellingham, WA

DATE PURGED 12/10/08 START (2400hr) 1420 END (2400hr) 1455
DATE SAMPLED 12/10/08 SAMPLE TIME (2400hr) 1440 LOW-FLOW USED X
SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other ____

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

DEPTH TO BOTTOM (feet) = 17.70
DEPTH TO WATER (feet) = 7.55
WATER COLUMN HEIGHT (feet) = 10.15
ACTUAL PURGE (L) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (mL)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
12/10/08	1430	800	14.08	0.985	8.54	Clr.
↓	1433	500	13.96	0.987	8.49	↓
↓	1436	500	14.36	0.988	8.48	↓
↓	1439	500	14.40	0.989	8.49	Clr.
					12/10/08	
Calculated Variance of Final Three Samples:			0.44	0.002	0.01	
Acceptable Variance Limits:			≤10%	≤3%	≤0.1	

DEPTH TO PURGE INTAKE DURING PURGE: 13.00 SAMPLE DTW: 7.55
ANTICIPATED PURGE INTAKE DEPTH: 13.00 ANALYSES: ____
SAMPLE VESSEL / PRESERVATIVE: Glass / HCL

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

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

WELL PAD CONDITION: Fair WELL CASING CONDITION: Fair
WELL VAULT CONDITION: Fair SEAL PRESENT?: yes BOLTS PRESENT?: yes
WELL INTEGRITY: Fair WELL TAG: yes LOCK#: yes

REMARKS: ____

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 01CP.01571.41 PURGED BY: Dave Reitz WELL I.D.: MW-7

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

LOCATION: 200 S. 36th St. Bellingham, WA

DATE PURGED 12/10/08 START (2400hr) 1500 END (2400hr) 1535

DATE SAMPLED 12/10/08 SAMPLE TIME (2400hr) 1520 LOW-FLOW USED X

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

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

Casing Volume: (liters per foot)

DEPTH TO BOTTOM (feet) = 18.15

DEPTH TO WATER (feet) = 6.88

WATER COLUMN HEIGHT (feet) = 11.27

ACTUAL PURGE (L) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (mL)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
12/10/08	1510	800	13.22	0.789	9.24	Clr.
↓	1513	500	12.88	0.791	9.23	Clr.
↓	1516	500	12.45	0.792	9.22	Clr
↓	1519	500	12.43	0.788	9.20	Clr
Calculated Variance of Final Three Samples:			0.45	0.003	0.03	
Acceptable Variance Limits:			≤10%	≤3%	≤0.1	

[signature] 12/10/08

DEPTH TO PURGE INTAKE DURING PURGE: 14.00 SAMPLE DTW: 7.00

ANTICIPATED PURGE INTAKE DEPTH: 14.00 ANALYSES: ____

SAMPLE VESSEL / PRESERVATIVE: Glass/HCL

PURGING EQUIPMENT: Peristaltic pump, Horiba probe, Water meter

SAMPLING EQUIPMENT: Peristaltic pump

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

WELL PAD CONDITION: Fair WELL CASING CONDITION: Fair

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

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

REMARKS: ____

SIGNATURE: [signature] Page 1 of ____

ConocoPhillips Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Labs Use ONLY Acct. #: _____ Group # _____ Sample#: _____ SCR#: 69097

009551

Site #: 6380 AOC#: _____

Site City: Bellingham State: WA

Enfos PO#: _____

ConocoPhillips PM: Mike Noll

Samplers Name: Dave Reitz

Analyses Requested — List total number of containers in the box under each analysis.

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES)	Matrix: ☐ Oil ☐ Air	Preservation Codes: H	H	H										Remarks
								TPH - Gx	TPH - Dx	BTEX										
MW - 1	12/10/08	1400	X			X		X	X	X										
MW - 7	12/10/08	1520	X			X		X	X	X										
MW - 8	12/10/08	1440	X			X		X	X	X										
Trip Blanks																				

Consultant Information: Stantec

Office City: Redmond State: WA

Project Manager: Chris Gdak

Phone Number: (425) 372-1600 Fax: (425) 372-1650

Email: chris.gdak@stantec.com

Electronic Data Deliverables (Circle One) Yes / No Format _____

Reporting Requirements (Circle One)

Standard Reports/QC Summary Full Validation (LLI Type I)

NJ Regulatory NJ Reduced NY ASP-A NY ASP-B Other _____

Turnaround Time Requested in Business Days (TAT) (Circle One):

STD. 5 day 48 hour 24 hour Other _____

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12/11/08	19:35			
Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12/11/08	1100			
Relinquished by:	Date	Time	Received by:	Date	Time

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature Upon Receipt _____ C°

ATTACHMENT C
CERTIFIED LABORATORY ANALYTICAL REPORT AND CHAIN OF CUSTODY DOCUMENTATION

Lancaster Laboratories

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

Analysis Report

ANALYTICAL RESULTS

Prepared for:

ConocoPhillips
5528 NW Doane Ave.
Portland OR 97210

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1124402. Samples arrived at the laboratory on Friday, December 12, 2008. The PO# for this group is 4509020542 and the release number is NOLL.

Client Description	Lancaster Labs Number
MW-1 Grab Water Sample	5556211
MW-7 Grab Water Sample	5556212
MW-8 Grab Water Sample	5556213
Trip Blank Water Sample	5556214

ELECTRONIC COPY TO	Stantec	Attn: Alice Larsen
ELECTRONIC COPY TO	Stantec	Attn: Tammy Parise
ELECTRONIC COPY TO	Stantec	Attn: Chris Gdak

Lancaster Laboratories

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

Analysis Report

Questions? Contact your Client Services Representative
Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Jenifer E. Hess
Manager

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. WW5556211 **Group No. 1124402**

MW-1 Grab Water Sample
Site# 1571 (256380)
200 S 36th St - Bellingham, WA
Collected:12/10/2008 14:00 by DR

Account Number: 11817

Submitted: 12/12/2008 10:15
Reported: 12/24/2008 at 12:12
Discard: 01/24/2009

ConocoPhillips
5528 NW Doane Ave.
Portland OR 97210

BWMW1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	NWTPH-Dx water w/Si Gel					
10376	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	ug/l	1
10377	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	ug/l	1
08273	NWTPH-Gx water C7-C12					
01645	NWTPH-Gx water C7-C12	n.a.	N.D.	50	ug/l	1
02300	GC/MS Volatiles					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	12/19/2008 08:45	Diane V Do	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12/19/2008 18:49	Carrie E Youtzy	1
02300	GC/MS Volatiles	SW-846 8260B	1	12/18/2008 20:14	Holly Berry	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/19/2008 18:49	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/18/2008 20:14	Holly Berry	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	12/18/2008 04:00	Tracy L Schickel	1

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. WW5556212 **Group No. 1124402**

MW-7 Grab Water Sample
Site# 1571 (256380)
200 S 36th St - Bellingham, WA
Collected:12/10/2008 15:20 by DR

Account Number: 11817

Submitted: 12/12/2008 10:15
Reported: 12/24/2008 at 12:12
Discard: 01/24/2009

ConocoPhillips
5528 NW Doane Ave.
Portland OR 97210

BWMW7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	NWTPH-Dx water w/Si Gel					
10376	DRO C12-C24 w/Si Gel	n.a.	460	29	ug/l	1
10377	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	ug/l	1
08273	NWTPH-Gx water C7-C12					
01645	NWTPH-Gx water C7-C12	n.a.	260	50	ug/l	1
02300	GC/MS Volatiles					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	12/19/2008 11:29	Diane V Do	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12/19/2008 19:11	Carrie E Youtzy	1
02300	GC/MS Volatiles	SW-846 8260B	1	12/18/2008 21:16	Holly Berry	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/19/2008 19:11	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/18/2008 21:16	Holly Berry	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	12/18/2008 04:00	Tracy L Schickel	1

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. WW5556213 **Group No. 1124402**

MW-8 Grab Water Sample
Site# 1571 (256380)
200 S 36th St - Bellingham, WA
Collected:12/10/2008 14:40 by DR

Account Number: 11817

Submitted: 12/12/2008 10:15
Reported: 12/24/2008 at 12:12
Discard: 01/24/2009

ConocoPhillips
5528 NW Doane Ave.
Portland OR 97210

BWMW8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	NWTPH-Dx water w/Si Gel					
10376	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	ug/l	1
10377	HRO C24-C40 w/Si Gel	n.a.	180	68	ug/l	1
08273	NWTPH-Gx water C7-C12					
01645	NWTPH-Gx water C7-C12	n.a.	N.D.	50	ug/l	1
02300	GC/MS Volatiles					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	12/19/2008 11:49	Diane V Do	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12/19/2008 19:33	Carrie E Youtzy	1
02300	GC/MS Volatiles	SW-846 8260B	1	12/18/2008 21:37	Holly Berry	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/19/2008 19:33	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/18/2008 21:37	Holly Berry	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	12/18/2008 04:00	Tracy L Schickel	1

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. WW5556214 **Group No. 1124402**

Trip Blank Water Sample
Site# 1571 (256380)
200 S 36th St - Bellingham, WA
Collected:12/10/2008

Account Number: 11817

Submitted: 12/12/2008 10:15
Reported: 12/24/2008 at 12:12
Discard: 01/24/2009

ConocoPhillips
5528 NW Doane Ave.
Portland OR 97210

BWATB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08273	NWTPH-Gx water C7-C12					
01645	NWTPH-Gx water C7-C12	n.a.	N.D.	50	ug/l	1
02300	GC/MS Volatiles					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12/19/2008 14:27	Carrie E Youtzy	1
02300	GC/MS Volatiles	SW-846 8260B	1	12/18/2008 19:54	Holly Berry	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/19/2008 14:27	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/18/2008 19:54	Holly Berry	1

Lancaster Laboratories

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

Analysis Report

Quality Control Summary

Client Name: ConocoPhillips Group Number: 1124402
Reported: 12/24/08 at 12:12 PM

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 083520037A	Sample number(s): 5556211-5556213							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	84		61-106		
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 08353D20A	Sample number(s): 5556211-5556214							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	100	109	75-135	9	30
Batch number: Y083532AA	Sample number(s): 5556211-5556214							
Benzene	N.D.	0.5	ug/l	103		78-119		
Toluene	N.D.	0.7	ug/l	99		85-115		
Ethylbenzene	N.D.	0.8	ug/l	99		82-119		
Xylene (Total)	N.D.	0.8	ug/l	98		83-113		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 083520037A	Sample number(s): 5556211-5556213 UNSPK: P556336								
DRO C12-C24 w/Si Gel	89	94	60-120	5	20				
Batch number: 08353D20A	Sample number(s): 5556211-5556214 UNSPK: P555005								
NWTPH-Gx water C7-C12	99		63-154						
Batch number: Y083532AA	Sample number(s): 5556211-5556214 UNSPK: 5556211								
Benzene	110	112	83-128	1	30				
Toluene	108	109	83-127	1	30				
Ethylbenzene	106	106	82-129	1	30				
Xylene (Total)	106	106	82-130	1	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 083520037A
Orthoterphenyl

---

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

Quality Control Summary

Client Name: ConocoPhillips Group Number: 1124402
Reported: 12/24/08 at 12:12 PM

Surrogate Quality Control

5556211	96
5556212	109
5556213	103
Blank	103
LCS	114
MS	120
MSD	118
Limits:	50-150

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 08353D20A

	Trifluorotoluene-F
5556211	94
5556212	95
5556213	97
5556214	97
Blank	94
LCS	113
LCSD	119
MS	112
Limits:	63-135

Analysis Name: GC/MS Volatiles
Batch number: Y083532AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5556211	92	90	85	88
5556212	90	86	84	91
5556213	90	88	84	89
5556214	91	87	85	89
Blank	91	87	85	89
LCS	91	84	85	90
MS	90	85	86	92
MSD	90	87	86	91
Limits:	80-116	77-113	80-113	78-113

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

ConocoPhillips Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Labs Use ONLY Acct. #: 11817 Group # 1124402 Sample#: 5556211-14 SCR#: 69099

009551

Site #: 6380 AOC#:

Site City: Bellingham State: WA

Enfos PO#

ConocoPhillips PM: Mike Noll

Samplers Name: Dave Reitz

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water	Potable / NPDES	Oil / Air	TPH-Gx	TPH-Dx	BTEX (8260)	Remarks
MW-1	12/10/08	1400	X			X			X	X	X	
MW-7	12/10/08	1520	X			X			X	X	X	
MW-8	12/10/08	1440	X			X			X	X	X	
Trip Blanks												

Analyses Requested — List total number of containers in the box under each analysis. Preservation Codes: H, H, H

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

Consultant Information: Stantec
Office City: Redmond State: WA
Project Manager: Chris Gdak
Phone Number (425) 372-1600 Fax: (425) 372-1650
Email: chris.gdak@stantec.com

Electronic Data Deliverables (Circle One) Yes / No Format

Reporting Requirements (Circle One)
Standard Reports/QC Summary Full Validation (LLI Type I)
NJ Regulatory NJ Reduced NY ASP-A NY ASP-B Other

Turnaround Time Requested in Business Days (TAT) (Circle One):
STD. 5 day 48 hour 24 hour Other

	Date	Time		Date	Time
Relinquished by:	12/08/08	1435	Received by:		
Relinquished by:	12/11/08	1100	Received by:		
Relinquished by:			Received by:	12/12/08	1015

Relinquished by Commercial Carrier:
UPS FedEx Other

Temperature Upon Receipt 4.2 C°

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Environmental Sample Administration
Receipt Documentation Log

Client/Project: Conoco

Date of Receipt: 12/12/08

Time of Receipt: 1015

Source Code: 50-1

Unpacker Emp. No.: 1454

Shipping Container Sealed: (YES) NO

Custody Seal Present: (YES) NO

Custody Seal Intact: (YES) NO NA

Package: (Chilled) Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	001298A5	4.2c	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

TB's not labeled

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
Johnna Dwight	12/12/08	1305	Unpacking / to Storage
Kristin Leigh	12-12-08	1344	Place in Storage or (Entry)
			Entry
			Entry

Lancaster Laboratories
Explanation of Symbols and Abbreviations

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

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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

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