TOSCO 6380
Bellingham
LUST 471259

ConocoPhillips

DATE: November 8, 2005

VCP NW1487

GROUNDWATER MONITORING REPORT

Facility No.: 256380 Address: 200 South 36th Street, Bellingham, Washington
ConocoPhillips Site Manager: Kipp W. Eckert
Consultant / Contact Person: SECOR International Inc. / Alice Larsen
Primary Agency/Regulatory ID No.: Washington State Department of Ecology / Site ID No. 8394
SECOR Project No: 01CP.06380.07

WORK PERFORMED THIS QUARTER(S) [3rd - 2005]:

- On September 15, 2005, SECOR personnel monitored, purged and sampled four of the existing network of four groundwater monitoring wells (MW-1 through MW-4).

- Groundwater samples were collected using a peristaltic pump, with dedicated polyethylene tubing in the well casing and a new section of silicon tubing in the pump head. Complete groundwater purging and sampling procedures are provided in Attachment B.

- Samples were submitted to Lancaster Laboratories for analysis of gasoline-range hydrocarbons (TPH-g) per Ecology Method NWTPH-Gx, diesel (TPH-d) and motor-oil (TPH-o) range hydrocarbons per Ecology Method NWTPH-Dx modified with an acid/silica gel cleanup, benzene, tolulene, ethylbenzene, total xylenes (BTEX) per United States Environmental Protection Agency (USEPA) Method 5030/8260B; and dissolved lead per USEPA Method 6010. The laboratory analytical report is presented in Attachment A.

ENTERED
NOV 12 2005

WORK PROPOSED FOR NEXT QUARTER [4th - 2005]:

- Four groundwater monitoring wells will be installed at the site prior to the 4th quarter sampling event. Measure depth to water, purge, and sample the four existing groundwater monitoring wells (MW-1 through MW-4) and the four newly installed groundwater monitoring wells. Submit groundwater samples for analysis for NWTPH-Gx, NWTPH-Dx, BTEX and dissolved lead.

DATA SUMMARY THIS QUARTER:

Frequency of Sampling Events:	Quarterly	(03/05,06/05,09/05,12/05)
Depth to Groundwater:	5.71 ft. (MW-3)	(Measured Feet Below
	9.32 ft. (MW-2)	Top of Well Casing)
Groundwater Gradient:	Northwest	(Apparent Flow Direction)
	0.006 ft/ft	(Approximate Magnitude)
Maximum TPH-G Concentrations:	None Detected	(ppb / well ID)
Maximum TPH-D Concentrations:	None Detected	(ppb / well ID)
Maximum TPH-O Concentrations:	150 µg/L (MW-4)	(ppb / well ID)
Maximum Benzene Concentration:	None Detected	(ppb / well ID)
Maximum Dissolved Lead Concentration:	None Detected	(ppb / well ID)
Measurable Free Product Detected:	No	(Yes - ID well(s)/No)
Free Product Recovered This Quarter:	None	(Gallons)
Cumulative Free Product Recovered to Date:	None	(Gallons)
Water Wells or	i.) One Water Well	(Type)
Surface Waters w/in 2,000 ft:	ii.) Connelly Creek	
Radius and Respective	i.) 1600 ft. West	(Respective Distance
Direction From Site:	ii.) 1000 ft. Southwest	& Direction)
Current Remedial Action:	MNA	(SVE/AS/P&T/MNA etc.)
Permits for Discharge:	None	(NPDES, POTW, etc.)

DISCUSSION:

- The groundwater samples were received by Lancaster Laboratories on September 17, 2005. Based on a review of the laboratory reports, it appears that the submitted water samples were analyzed within the specified holding times and that Lancaster followed their appropriate quality assurance/quality control (QA/QC) procedures during analysis.

- Diesel range-hydrocarbons were detected at concentrations less than the Model Toxics Control Act Method A Groundwater Cleanup Levels (MTCA A), but greater than the laboratory reporting limits (RLs) in the groundwater sample collected from MW-4 at 150 micrograms per liter (µg/L).

- No gasoline or heavy oil range-hydrocarbons were detected at concentrations greater than the laboratory reporting limits (RLs) in any of the groundwater samples collected this quarter.

- No BTEX constituents were detected at concentrations greater than the RLs in any of the groundwater samples collected this quarter.

- Dissolved lead was not detected at concentrations greater than the RLs in any of the groundwater samples collected this quarter.

- No drums were left on site.

ATTACHMENTS:

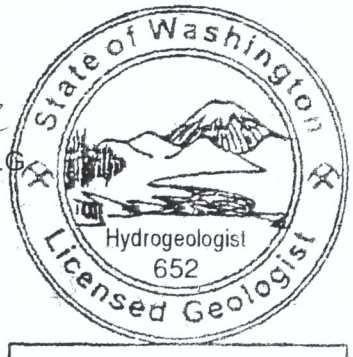
Figure 1: Site Location Map
Figure 2: Site Plan with Groundwater Elevations (9/15/05) and Analytical Results (12/29/04 – 9/15/05)
Table 1: Summary of Cumulative Groundwater Elevations and Sample Analytical Results
Attachment A: Laboratory Analytical Report and Chain of Custody Record
Attachment B: SECOR Monitoring Well Gauging, Purging and Sampling Procedures; Groundwater Monitoring Field Data Records

Prepared By:

Meredith Redmon
Staff Scientist

Reviewed By:

Maureen E. Sanchez, L.G.
Senior Hydrogeologist

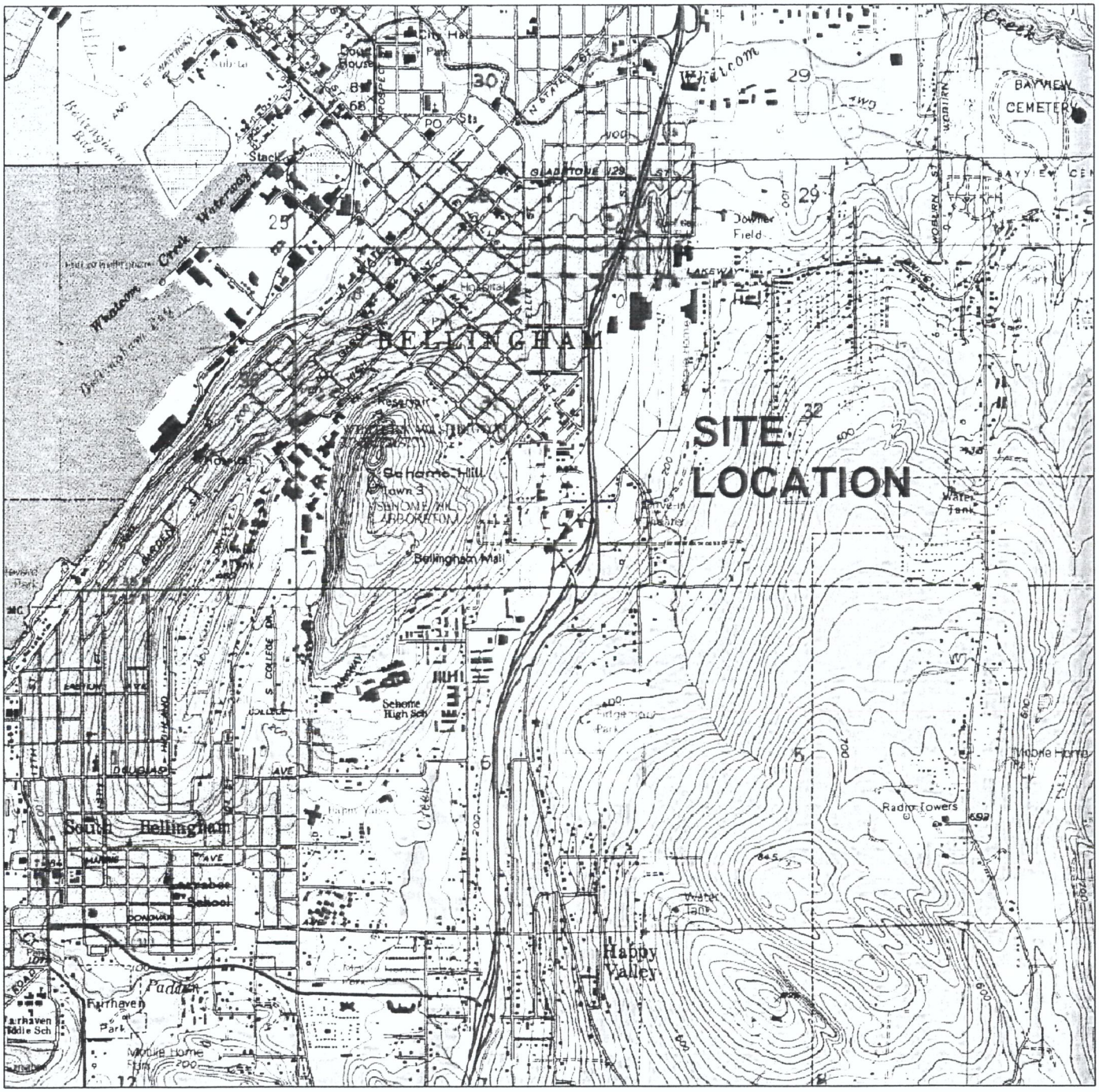


Maureen E. Sanchez

cc: LUST Coordinator, Washington State Department of Ecology, Northwest Regional Office
Mr. Frank Diehl, Keith Oil Corporation
Brian Sato, Washington State Department of Ecology, Northwest Regional Office

MR/MS/bjw

FIGURES



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

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

PREPARED FOR:
ConocoPhillips
FACILITY NO 256380
200 SOUTH 36th STREET
BELLINGHAM, WASHINGTON

SITE LOCATION MAP

FIGURE: **1**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
01CP.06380.07	S. SIMMONS	MR		2/5/04

FILEPATH: Q:\CADD-01\Cad_Files\Projects\Conoco\Washington\6380\6380(M).dwg Modified by ctorres at Oct 14, 2005 - 15:37

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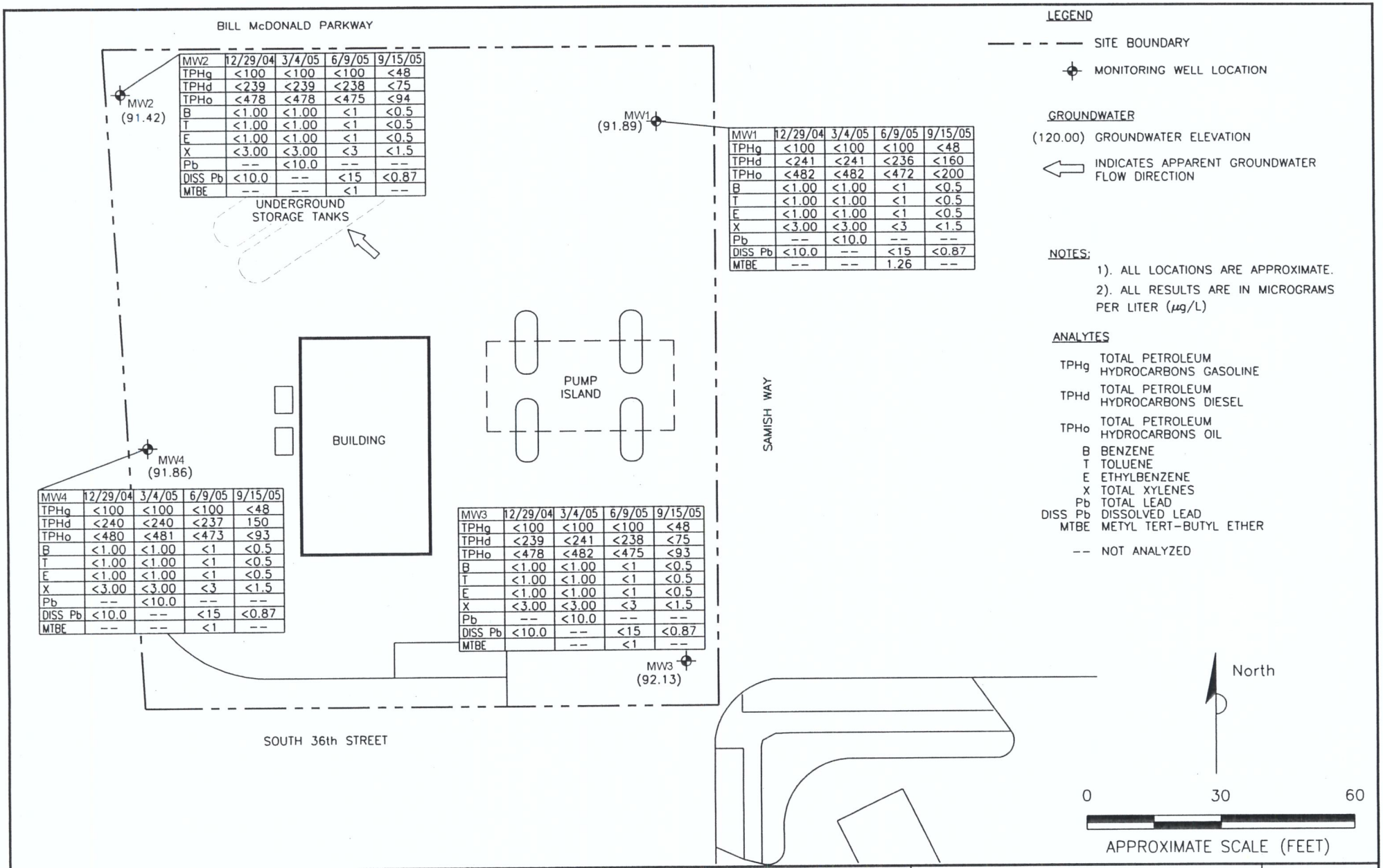

MW2	12/29/04	3/4/05	6/9/05	9/15/05
TPHg	<100	<100	<100	<48
TPHd	<239	<239	<238	<75
TPHo	<478	<478	<475	<94
B	<1.00	<1.00	<1	<0.5
T	<1.00	<1.00	<1	<0.5
E	<1.00	<1.00	<1	<0.5
X	<3.00	<3.00	<3	<1.5
Pb	--	<10.0	--	--
DISS Pb	<10.0	--	<15	<0.87
MTBE	--	--	<1	--

MW1	12/29/04	3/4/05	6/9/05	9/15/05
TPHg	<100	<100	<100	<48
TPHd	<241	<241	<236	<160
TPHo	<482	<482	<472	<200
B	<1.00	<1.00	<1	<0.5
T	<1.00	<1.00	<1	<0.5
E	<1.00	<1.00	<1	<0.5
X	<3.00	<3.00	<3	<1.5
Pb	--	<10.0	--	--
DISS Pb	<10.0	--	<15	<0.87
MTBE	--	--	1.26	--

MW4	12/29/04	3/4/05	6/9/05	9/15/05
TPHg	<100	<100	<100	<48
TPHd	<240	<240	<237	150
TPHo	<480	<481	<473	<93
B	<1.00	<1.00	<1	<0.5
T	<1.00	<1.00	<1	<0.5
E	<1.00	<1.00	<1	<0.5
X	<3.00	<3.00	<3	<1.5
Pb	--	<10.0	--	--
DISS Pb	<10.0	--	<15	<0.87
MTBE	--	--	<1	--

MW3	12/29/04	3/4/05	6/9/05	9/15/05
TPHg	<100	<100	<100	<48
TPHd	<239	<241	<238	<75
TPHo	<478	<482	<475	<93
B	<1.00	<1.00	<1	<0.5
T	<1.00	<1.00	<1	<0.5
E	<1.00	<1.00	<1	<0.5
X	<3.00	<3.00	<3	<1.5
Pb	--	<10.0	--	--
DISS Pb	<10.0	--	<15	<0.87
MTBE		--	<1	--

LEGEND

SITE BOUNDARY

MONITORING WELL LOCATION

GROUNDWATER

(120.00) GROUNDWATER ELEVATION

INDICATES APPARENT GROUNDWATER FLOW DIRECTION

NOTES:

1). ALL LOCATIONS ARE APPROXIMATE.

2). ALL RESULTS ARE IN MICROGRAMS PER LITER (µg/L)

ANALYTES

TPHg	TOTAL PETROLEUM HYDROCARBONS GASOLINE
TPHd	TOTAL PETROLEUM HYDROCARBONS DIESEL
TPHo	TOTAL PETROLEUM HYDROCARBONS OIL
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
Pb	TOTAL LEAD
DISS Pb	DISSOLVED LEAD
MTBE	METYL TERT-BUTYL ETHER

-- NOT ANALYZED

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

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PREPARED FOR:
ConocoPhillips
FACILITY NO. 256380
200 SOUTH 36th STREET
BELLINGHAM, WASHINGTON

SITE PLAN WITH GROUNDWATER ELEVATIONS (9/15/05) AND ANALYTICAL RESULTS (12/29/04-9/15/05)

FIGURE: **2**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
01CP.06380.07	SS/ARA	MK		11/3/05

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TABLES

TABLE 1
SUMMARY OF CUMULATIVE GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
ConocoPhillips Facility No. 256380
200 South 36th Street
Bellingham, Washington
Page 1 of 1

Well Name	Sample Date	DTW	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X	MTBE	Total Pb	Diss Pb
MW1	12/29/2004	5.42	93.07	<100	<241	<482	<1.00	<1.00	<1.00	<3.00	--	--	<10.0
TOC Elevation	3/4/2005	5.73	92.76	<100	<241	<482	<1.00	<1.00	<1.00	<3.00	--	<10.0	--
98.49	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
MW2	12/29/2004	7.82	92.92	<100	<239	<478	<1.00	<1.00	<1.00	<3.00	--	--	<10.0
TOC Elevation	3/4/2005	8.34	92.40	<100	<239	<478	<1.00	<1.00	<1.00	<3.00	--	<10.0	--
100.74	6/9/2005	8.66	92.08	<100	<238	<475	<1	<1	<1	<3	<1	--	<15
	9/15/2005	9.32	91.42	<48	<75	<94	<0.5	<0.5	<0.5	<1.5	--	--	<0.87
MW3	12/29/2004	4.53	93.31	<100	<239	<478	<1.00	<1.00	<1.00	<3.00	--	--	<10.0
TOC Elevation	3/4/2005	5.02	92.82	<100	<241	<482	<1.00	<1.00	<1.00	<3.00	--	<10.0	--
97.84	6/9/2005	5.25	92.59	<100	<238	<475	<1	<1	<1	<3	<1	--	<15
	9/15/2005	5.71	92.13	<48	<75	<93	<0.5	<0.5	<0.5	<1.5	--	--	<0.87
MW4	12/29/2004	6.14	93.30	<100	<240	<480	<1.00	<1.00	<1.00	<3.00	--	--	<10.0
TOC Elevation	3/4/2005	6.65	92.79	<100	<240	<481	<1.00	<1.00	<1.00	<3.00	--	<10.0	--
99.44	6/9/2005	6.91	92.53	<100	<237	<473	<1	<1	<1	<3	<1	--	<15
	9/15/2005	7.58	91.86	<48	150	<93	<0.5	<0.5	<0.5	<1.5	--	--	<0.87
Waste Water	3/4/2005	--	--	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--
Effluent	6/9/2005	--	--	<100	--	--	<1	<1	<1	<3	--	--	--
	9/15/2005	--	--	<48	<75	<94	<0.5	<0.5	<0.5	<1.5	--	--	<0.87
MTCA Method A Cleanup Levels				1000/800[a]	500	500	5	1000	700	1000	20	15	15

EXPLANATION:
TOC = Top of Casing
All concentrations are in micrograms per liter ug/L (ppb).
Wellhead elevations were taken from prior consultants 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.
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
Bolded 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.

ATTACHMENT A
LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY RECORD

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
19909 120th Ave. NE
Suite 101
Bothell WA 98011
206-706-2341

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 959705. Samples arrived at the laboratory on Saturday, September 17, 2005. The PO# for this group is 1571SEC007 and the release number is ECKERT.

Client Description	Lancaster Labs Number
MW-1 Grab Water Sample	4605202
MW-2 Grab Water Sample	4605203
MW-3 Grab Water Sample	4605204
MW-4 Grab Water Sample	4605205
Effluent Grab Water Sample	4605206
Trip Blank Water Sample	4605207

ELECTRONIC COPY TO	SECOR International	Attn: Alice Larsen
1 COPY TO	SECOR	Attn: August Welch

Lancaster Laboratories

Analysis Report

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

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

Respectfully Submitted,

Dana M. Kauffman
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. WW 4605202

MW-1 Grab Water Sample
Site# 1571 (2566380)
200 S 36th St - Bellingham, WA
Collected: 09/15/2005 10:40 by MD

Account Number: 11817

Submitted: 09/17/2005 09:55
Reported: 10/03/2005 at 18:51
Discard: 11/03/2005

ConocoPhillips
19909 120th Ave. NE
Suite 101
Bothell WA 98011

BLLG1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	N.D.	0.87	ug/l	1
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	160.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	200.	ug/l	1
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.					
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1

State of Washington Lab Certification No. C259
This sample was filtered in the lab for dissolved metals.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	09/29/2005 07:19	Jessica L Boyd	1
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	09/22/2005 14:23	Matthew E Barton	1
05879	BTEX	SW-846 8021B	1	09/22/2005 03:08	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	09/22/2005 03:08	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/22/2005 03:08	Martha L Seidel	1
02135	Extraction - DRO Water Special	NWTPH-Dx, ECY 97-602, 6/97	1	09/21/2005 06:30	Denise L Trimby	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	09/26/2005 19:00	James L Mertz	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4605203

MW-2 Grab Water Sample
Site# 1571 (2566380)
200 S 36th St - Bellingham, WA
Collected: 09/15/2005 11:30 by MD

Account Number: 11817

Submitted: 09/17/2005 09:55
Reported: 10/03/2005 at 18:51
Discard: 11/03/2005

ConocoPhillips
19909 120th Ave. NE
Suite 101
Bothell WA 98011

BLLG2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	N.D.	0.87	ug/l	1
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	75.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	94.	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1

State of Washington Lab Certification No. C259
This sample was filtered in the lab for dissolved metals.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	09/28/2005 12:04	Jessica L Boyd	1
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	09/22/2005 15:36	Matthew E Barton	1
05879	BTEX	SW-846 8021B	1	09/21/2005 23:29	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	09/21/2005 23:29	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/21/2005 23:29	Martha L Seidel	1
02135	Extraction - DRO Water Special	NWTPH-Dx, ECY 97-602, 6/97	1	09/21/2005 06:30	Denise L Trimby	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	09/23/2005 14:26	Megersa Deyessa	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4605204

MW-3 Grab Water Sample
Site# 1571 (2566380)
200 S 36th St - Bellingham, WA
Collected:09/15/2005 11:05 by MD

Account Number: 11817

Submitted: 09/17/2005 09:55
Reported: 10/03/2005 at 18:51
Discard: 11/03/2005

ConocoPhillips
19909 120th Ave. NE
Suite 101
Bothell WA 98011

BLLG3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	N.D.	0.87	ug/l	1
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	75.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	93.	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1

State of Washington Lab Certification No. C259
This sample was filtered in the lab for dissolved metals.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	09/29/2005 06:01	Jessica L Boyd	1
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	09/22/2005 16:00	Matthew E Barton	1
05879	BTEX	SW-846 8021B	1	09/22/2005 00:01	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	09/22/2005 00:01	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/22/2005 00:01	Martha L Seidel	1
02135	Extraction - DRO Water Special	NWTPH-Dx, ECY 97-602, 6/97	1	09/21/2005 06:30	Denise L Trimby	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	09/23/2005 14:26	Megersa Deyessa	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4605205

MW-4 Grab Water Sample
Site# 1571 (2566380)
200 S 36th St - Bellingham, WA
Collected:09/15/2005 11:53 by MD

Account Number: 11817

Submitted: 09/17/2005 09:55
Reported: 10/03/2005 at 18:51
Discard: 11/03/2005

ConocoPhillips
19909 120th Ave. NE
Suite 101
Bothell WA 98011

BLLG4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	N.D.	0.87	ug/l	1
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	150.	74.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	93.	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1

State of Washington Lab Certification No. C259
This sample was filtered in the lab for dissolved metals.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	09/28/2005 12:25	Jessica L Boyd	1
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	09/22/2005 16:24	Matthew E Barton	1
05879	BTEX	SW-846 8021B	1	09/22/2005 00:33	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	09/22/2005 00:33	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/22/2005 00:33	Martha L Seidel	1
02135	Extraction - DRO Water Special	NWTPH-Dx, ECY 97-602, 6/97	1	09/21/2005 06:30	Denise L Trimby	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	09/23/2005 14:26	Megersa Deyessa	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4605206

Effluent Grab Water Sample
Site# 1571 (2566380)
200 S 36th St - Bellingham, WA
Collected:09/15/2005 12:07 by MD

Account Number: 11817

Submitted: 09/17/2005 09:55
Reported: 10/03/2005 at 18:51
Discard: 11/03/2005

ConocoPhillips
19909 120th Ave. NE
Suite 101
Bothell WA 98011

BLLGE

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	N.D.	0.87	ug/l	1
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	75.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	94.	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1

State of Washington Lab Certification No. C259
This sample was filtered in the lab for dissolved metals.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	09/29/2005 06:08	Jessica L Boyd	1
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	09/22/2005 16:48	Matthew E Barton	1
05879	BTEX	SW-846 8021B	1	09/22/2005 01:04	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	09/22/2005 01:04	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/22/2005 01:04	Martha L Seidel	1
02135	Extraction - DRO Water Special	NWTPH-Dx, ECY 97-602, 6/97	1	09/21/2005 06:30	Denise L Trimby	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	09/23/2005 14:26	Megersa Deyessa	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4605207

Trip Blank Water Sample
Site# 1571 (2566380)
200 S 36th St - Bellingham, WA
Collected:09/15/2005

Account Number: 11817

Submitted: 09/17/2005 09:55
Reported: 10/03/2005 at 18:51
Discard: 11/03/2005

ConocoPhillips
19909 120th Ave. NE
Suite 101
Bothell WA 98011

TBBLG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1

State of Washington Lab Certification No. C259

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05879	BTEX	SW-846 8021B	1	09/21/2005 22:58	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	09/21/2005 22:58	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/21/2005 22:58	Martha L Seidel	1

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Analysis Report

Quality Control Summary

Client Name: ConocoPhillips
Reported: 10/03/05 at 06:51 PM

Group Number: 959705

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: 052630017A	Sample number(s): 4605202-4605206							
Diesel Range Organics	N.D.	0.080	mg/l	83		51-113		
Heavy Range Organics	N.D.	0.10	mg/l					
Batch number: 05264A51B	Sample number(s): 4605202							
TPH by NWTPH-Gx waters	N.D.	48.	ug/l	85	79	70-130	7	30
Benzene	N.D.	0.5	ug/l	108	103	86-119	5	30
Toluene	N.D.	0.5	ug/l	109	104	82-119	5	30
Ethylbenzene	N.D.	0.5	ug/l	103	98	81-119	4	30
Total Xylenes	N.D.	1.5	ug/l	104	100	82-120	4	30
Batch number: 05265A53A	Sample number(s): 4605203-4605207							
TPH by NWTPH-Gx waters	N.D.	48.	ug/l	81	81	70-130	0	30
Benzene	N.D.	0.5	ug/l	115	115	86-119	0	30
Toluene	N.D.	0.5	ug/l	109	109	82-119	1	30
Ethylbenzene	N.D.	0.5	ug/l	104	104	81-119	0	30
Total Xylenes	N.D.	1.5	ug/l	104	104	82-120	0	30
Batch number: 052665704001	Sample number(s): 4605203-4605206							
Lead (furnace method)	N.D.	0.00087	mg/l	93		80-120		
Batch number: 052695704003	Sample number(s): 4605202							
Lead (furnace method)	N.D.	0.00087	mg/l	105		80-120		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 052630017A	Sample number(s): 4605202-4605206								
Diesel Range Organics						N.D.	N.D.	0 (1)	20
Heavy Range Organics						N.D.	N.D.	0 (1)	20
Batch number: 05264A51B	Sample number(s): 4605202								
TPH by NWTPH-Gx waters	87		63-154						
Benzene	113		78-131						
Toluene	111		78-129						
Ethylbenzene	108		75-133						
Total Xylenes	108		80-134						
Batch number: 05265A53A	Sample number(s): 4605203-4605207								
TPH by NWTPH-Gx waters	89		63-154						

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ConocoPhillips
Reported: 10/03/05 at 06:51 PM

Group Number: 959705

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Benzene	119		78-131						
Toluene	112		78-129						
Ethylbenzene	108		75-133						
Total Xylenes	107		80-134						
Batch number: 052665704001	Sample number(s): 4605203-4605206								
Lead (furnace method)	75*	78*	80-120	4	20	N.D.	N.D.	56* (1)	20
Batch number: 052695704003	Sample number(s): 4605202								
Lead (furnace method)	126*	123*	80-120	1	20	0.0608	0.0617	2	20

Surrogate Quality Control

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel
Batch number: 052630017A

	Orthoterphenyl
4605202	105
4605203	101
4605204	102
4605205	102
4605206	105
Blank	101
DUP	103
LCS	117
Limits:	50-150

Analysis Name: TPH by NWTPH-Gx waters
Batch number: 05264A51B

	Trifluorotoluene-P	Trifluorotoluene-F
4605202	100	94
Blank	100	92
LCS	102	93
LCSD	101	91
MS	102	86
Limits:	69-129	63-135

Analysis Name: TPH by NWTPH-Gx waters
Batch number: 05265A53A

	Trifluorotoluene-P	Trifluorotoluene-F
4605203	113	97
4605204	116	95
4605205	115	99
4605206	116	98
4605207	117	99
Blank	115	97
LCS	111	99
LCSD	111	99

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

Quality Control Summary

Client Name: ConocoPhillips
Reported: 10/03/05 at 06:51 PM

Group Number: 959705

Surrogate Quality Control

MS	112	99
Limits:	69-129	63-135

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

ConocoPhillips Analysis Request/Chain of Custody

260311

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. #: 11817 Group # 959705 Sample # 4605202-7

SCR#: 120711

Consultant Office: SECOR PM: August Welch

Consultant Phone #: 425-372-1600 Fax #: 425-372-1650

Site #: 6380 WO #: 1571 SEC007

Site Address: Bellingham

WNO#:

Sampler: MATT DAVIS

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water	Oil	Air	Potable	NPDES	TPH-Gx	BTEX	TPH-Dx	Dissolved Lead	Remarks
MW-1	9-15-05	1040	X			X					3	—	—	—	TPH-Dx w/ silica gel cleanup
MW-2		1130													
MW-3		1105													
MW-4		1153													
EFFLUENT		1207													
T-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

Turnaround Time Requested in Business Days (TAT) (please circle):

STD. TAT 5 day 48 hour

24 hour other

Reporting Requirements (please circle)

NJ Reduced NY ASP Cat. A Raw Data Diskette

NY ASP Cat. B Full Type I Other

Relinquished by:	Date	Time	Received by:	Date	Time
	9-15-05	1541			
Matthew Davis	9-16-05	1321			
				9/17/05	0955

Relinquished by Commercial Carrier:

UPS _____ FedEx ✓ Other _____

Temperature Upon Receipt 2.0 C°

3658.04

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

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
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< 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

J estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

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

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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 quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
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 sample 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.

Measurement uncertainty values, as applicable, are available upon request.

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

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ATTACHMENT B
SECOR MONITORING WELL GAUGING, PURGING AND SAMPLING PROCEDURES
GROUNDWATER MONITORING FIELD DATA RECORDS

SECOR MONITORING WELL PURGING AND SAMPLING PROCEDURES

Purging Procedures

A. Static water levels were obtained by slowly lowering an electronic water level indicator into each respective well until the instrument indicated that the groundwater surface had been encountered. The measurement was made from a location permanently marked on the top of each respective casing to within the nearest 0.01 foot. If liquid phase hydrocarbons were present in any of the monitoring wells, the thickness of the liquid hydrocarbon layer was measured using a Marine Moisture Control interface probe, and then recorded. Each water level measurement was repeated at least once to verify the accuracy of the initial measurement. Prior to collecting groundwater samples, each monitoring well was purged using a submersible pump or a disposable bailer while noting parameters of odor, turbidity, and color.

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 deionized water rinse.

D. A minimum of three well volumes will be removed using a submersible pump or a new, disposable, polyethylene bailer. If the well goes dry, the procedure listed in step E2 (below) should be followed.

E. Note clarity, color, turbidity, and odor of purge water, and measure depth to groundwater.

F. 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 dedicated or new 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.

SECOR

DAILY FIELD LOG

Page: 1 of 1
Date: 9-15-05

Client: ConocoPhillips	Site No: 6380-Bellingham	Project No: 01CP.06380-07

Scope of Work: x Quarter Monitoring/Sampling W/O #: 157LSEC007

Describe Daily Activities:

Gauged 4 monitoring wells.
Purged 4 monitoring wells.
Sampled 4 monitoring wells.

Number of drums left on site: Ø

Field Notes:

945- MO onsite to SAMple GW.
Reviewed HaSP And checked in w/ STore Manager.
1040 - SAMPled MW-1.
1105 - Purged And sampled MW-3.
1130 - Purged And sampled MW-2.
1153 - Purged And sAMPled MW-4.
1207- SAMPled EFFluent.
Effluent drained into landscape in back of Building.

Arrived on Site: 945 Departed Site: 1220

Decontamination Procedures: **3-Stage (Alconox Wash, Tap Water Rinse, & Distilled Water Rinse)**

Daily Health and Safety Log Completed?: Utility Locations Checked?:

Important Conversations:

Important Changes in Scope of Work:

Weather Conditions: Cloudy Subcontractors On Site:

SECOR Personnel On Site:

Signed: [signature] Date: 9-16-05

SECOR	MONITORING & SAMPLING LOG		Page 1 of 1
	Project Name: 6380 - Bellingham		Date: 9-15-05
	Project Number: 01CP.06380.00		No. of Monitoring Wells Gauge: 4
INTERNATIONAL INCORPORATED	SECOR Rep: Matthew Davis	Checked by:	No. of Monitoring Wells Sampled: 4

MONITORING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist #

Dissolved Oxygen Meter Type/ID: YSI Model 55 # _____ Calibration:_____ ft above mean sea level

Sampling Method: _____Teflon Bailer _____Disposable Bailer _____Other: Dedicated Pump Tubing

Decontamination Method: _____Steam / High Pressure Wash ___x___3 Stage (Alconox, Tap & DI rinse) _____Other:_____

MONITORING / SAMPLING DATA

Well I.D.	Previous Quarter DTW	Previous Quarter Gas/Benz. (ug/L)	Depth to Floating Product (ft)	Current DTW (ft)	Floating Product Thickness	Total Depth	Samp. Time	Casing Elevation	Groundwater Elevation	Corrected Groundwater Elevation[2]	Comments
	MW-1	6.10		6.60	7.3	21.8	1040				
	MW-2	8.66	9.327	sheen	5.4	20.6	1130				
	MW-3	5.25		5.71	7.2	20.8	1105				
	MW-4	6.91		7.58	6.1	20.3	1153				
	EFFL						1207				

SAMPLING INFORMATION

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
3 VOAs			Gx/ BTEX
2 16 oz. Plastic		1 w/ HNO3	T & D Pb

Notes: 1 = feet from mean sea level

2 = elevation adjusted by adding (.75 x product thickness) to measured water elevation