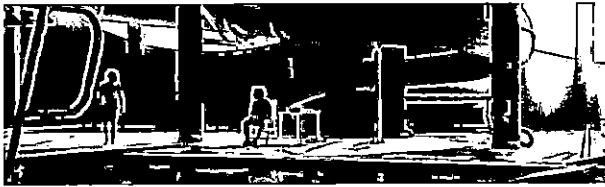
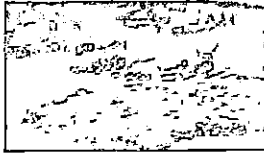
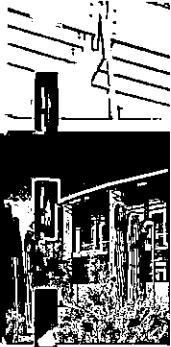


UNOCAL 0355

Seattle

LUST 2180



**QUARTERLY GROUNDWATER
MONITORING REPORT FOR**

**CONOCOPHILLIPS
COMPANY**

RM&R #2857

159 Denny Way

Seattle, Washington



Jan 19, 2009

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JAN 23 2009

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TCP-NWRO



Stantec



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TCP-NWRO

**QUARTERLY GROUNDWATER
MONITORING REPORT FOR**

**CONOCOPHILLIPS
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**159 Denny Way
Seattle, 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 Facility No. 2705753 (RM&R #2857)
Washington Department of Ecology Voluntary Cleanup Program ID #NW1307
159 Denny Way
Seattle, Washington

Stantec Project No.:
01CP.02857.40.8521

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

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

Prepared on behalf of:
ConocoPhillips Company

January 19, 2009

Dear LUST Coordinator:

Stantec Consulting Corporation (Stantec) is submitting this quarterly groundwater monitoring report to the Washington State Department of Ecology (DOE) on behalf of the ConocoPhillips Company (ConocoPhillips). This report represents the results of groundwater monitoring and sampling completed by Stantec at ConocoPhillips Service Station No. 2705753, located at 159 Denny Way, Seattle, Washington on October 30, 2008. Site location is illustrated on Figure 1. Groundwater monitoring and sampling was completed in accordance with Stantec's protocols for groundwater monitoring events (Attachment A).

GROUNDWATER MONITORING AND SAMPLING

On October 30, 2008, Stantec personnel gauged groundwater elevations in five monitoring wells (MW-D, MW-E, MW-F, MW-G, and MW-I), and collected groundwater samples from four wells (MW-E, MW-F, MW-G, and MW-I) of the existing network of five groundwater monitoring wells. Well MW-D did not contain sufficient volumes of groundwater for sampling.

Two relatively shallow aquifers are monitored at the site as part of the groundwater monitoring program. The two water-bearing zones are referred to hereafter as the "upper aquifer" and the "lower aquifer". Wells MW-D through MW-G are screened within the upper aquifer and well MW-I is screened within the lower aquifer.

Monitoring Well Gauging

The monitoring wells were gauged for the presence of liquid phase hydrocarbons (LPH) and depth to groundwater prior to the beginning of purging and sampling. LPH thickness equal to or less than 0.01 feet were not detected in the groundwater monitoring wells.

In the upper aquifer, the depth to groundwater ranged from 11.75 feet below top of casing (TOC) in MW-G to 20.50 feet TOC in MW-E. In the lower aquifer, the depth to groundwater in well MW-I was measured at 44.50 feet TOC.

These depths to groundwater were used to calculate the groundwater elevation in each well. The groundwater flow direction has historically been to the northwest in the upper aquifer; currently flow direction appears to be directly west at an approximate gradient of 0.13 vertical feet per horizontal foot. With only one well in the lower aquifer, groundwater flow direction is unknown.

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

Monitoring Well Purging

Once the depth to LPH (if present) and groundwater were 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). Purge water combined with rinsate water was stored in one 55-gallon drum and removed immediately following the groundwater sampling event.

Monitoring Well Sampling

Groundwater samples from four wells (MW-E, MW-F, MW-G, and MW-I) of the existing network of five wells were sampled. Groundwater samples were collected from each well after purging using a peristaltic pump, and then placed into appropriate containers for chemical analysis. The groundwater samples from well MW-I were purged using a whale pump and hand bailer, due to the well depth and inability to use the peristaltic pump. Samples were placed into appropriate containers for the requested analyses. Samples that were analyzed for benzene, toluene, ethylbenzene, and xylenes (collectively BTEX), methyl tertiary butyl ether (MTBE), and total petroleum hydrocarbons as gasoline (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 as diesel (TPH-D) and total petroleum hydrocarbons as oil (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

Groundwater samples collected during the third quarter 2008 sampling event were submitted for the following analyses: BTEX and MTBE by Environmental Protection Agency (EPA) Method 8260B; TPH-G by the Washington Department of Ecology (Ecology) Method NWTPH-Gx; and TPH-D and TPH-O by Ecology Method NWTPH-Dx. Current groundwater analytical results and analytical results from the previous three quarters are summarized in Table 1. Additional

historical analytical data is summarized in Table 2. Analytical results for TPH-G, TPH-D, TPH-O, BTEX, and MTBE are included on Figure 3 for the current quarter and the three previous quarters. A copy of the certified laboratory analytical report and chain of custody documentation from Lancaster Laboratories are included in Attachment C and are summarized below.

Upper Aquifer (MW-D, MW-E, MW-F, MW-G):

- TPH-G was detected above the Model Toxics Control Act (MTCA) Method A cleanup level of 800 micrograms per liter ($\mu\text{g/L}$) in well MW-F (23,000 $\mu\text{g/L}$). TPH-G was not detected above the laboratory reporting limit (RL) in any of the other upper aquifer wells sampled this quarter.
- TPH-D was detected above the MTCA Method A cleanup level of 500 $\mu\text{g/L}$ in well MW-F (760 $\mu\text{g/L}$). TPH-D was not detected above the laboratory RL in any of the other upper aquifer wells sampled this quarter.
- TPH-O was not detected above the laboratory RL in any of the upper aquifer wells sampled this quarter.
- Benzene was detected above the MTCA Method A cleanup level of 5 $\mu\text{g/L}$ in well MW-F (740 $\mu\text{g/L}$). Benzene was not detected above the laboratory RL in any of the other upper aquifer wells sampled this quarter.
- Toluene was detected above the RL, but less than the MTCA Method A cleanup level of 1,000 $\mu\text{g/L}$ in well MW-F (680 $\mu\text{g/L}$). Toluene was not detected above the laboratory RL in any of the other upper aquifer wells sampled this quarter.
- Ethylbenzene was detected above the laboratory RL, but below the MTCA Method A cleanup level of 700 $\mu\text{g/L}$ in well MW-F (91 $\mu\text{g/L}$). Ethylbenzene was not detected above the laboratory RL in any of the other upper aquifer wells sampled this quarter.
- Total xylenes were detected above the MTCA Method A cleanup level of 1,000 $\mu\text{g/L}$ in well MW-F (4,100 $\mu\text{g/L}$). Total xylenes were not detected above the laboratory RL in any of the other upper aquifer wells sampled this quarter.
- MTBE was not detected above the laboratory RL in any of the upper aquifer wells sampled this quarter.

Lower Aquifer (MW-I):

- TPH-G was detected above the MTCA Method A cleanup level of 800 µg/L in well MW-I (1,800 µg/L).
- TPH-D was detected above the laboratory RL, but below the MTCA Method A cleanup level of 500 µg/L in well MW-I (260 µg/L).
- TPH-O was not detected above the laboratory RL in well MW-I this quarter.
- Benzene was detected above the MTCA Method A cleanup level of 5 µg/L in well MW-I (870 µg/L).
- Toluene was detected above the laboratory RL, but below the MTCA Method A cleanup level of 1,000 µg/L in well MW-I (11 µg/L).
- Ethylbenzene was detected above the laboratory RL, but below the MTCA Method A cleanup level of 700 µg/L in well MW-I (110 µg/L).
- Total Xylenes were detected above the laboratory RL, but below the MTCA Method A cleanup level of 1,000 µg/L in well MW-I (67 µg/L).
- MTBE was detected above the laboratory RL, but below the MTCA Method A cleanup level of 20 µg/L in well MW-I (2 µg/L).

Laboratory Quality Control

The laboratory report from Lancaster Laboratories did not report quality assurance/quality control (QA/QC) issues. Review of the data obtained in comparison to the original samples collected did not show any QA/QC issues as all results were within the acceptable percentage limits for the analysis method. The analytical data can be considered valid.

WASTE DISPOSAL

Purge and rinse water generated during the monitoring and sampling event was temporarily stored onsite in a DOT approved 55-gallon steel drum labeled as non-hazardous waste. The drum and its contents were removed on October 30, 2008, and transported by General Environmental Management, Inc. to Emerald Petroleum Services in Seattle, Washington for disposal. A copy of the signed waste manifest is included as Attachment D.

DISCUSSION AND CONCLUSIONS

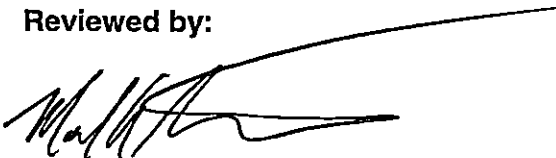
Between the third quarter 2008 and the fourth quarter 2008 concentrations of petroleum and aromatic hydrocarbons in the upper aquifer remained relatively consistent. Well MW-F experienced a decrease in concentration of toluene above the RL, but less than the MTCA Method A cleanup level. Well MW-G experienced a decrease in the concentration of benzene below the RL. In the lower aquifer, concentrations of petroleum and aromatic hydrocarbons remained relatively consistent from the third to fourth quarter groundwater sampling event.

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:

Mark Trewartha, R.G.
Senior Hydrogeologist
State of Washington Geologist/Hydrogeologist Certificate/License No. 1511

cc: Mr. Richard Bracket, Norcon Builders
Mr. Steven Smith, The Fortune Group

ATTACHMENTS

- Figure 1 Site Location Map
- Figure 2 Site Plan with Groundwater Elevations (10/30/08)
- Figure 3 Site Plan with Analytical Results (10/30/08)

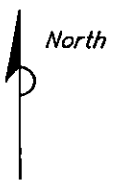
- Table 1 Groundwater Elevations and Sample Analytical Results
- Table 2 Cumulative Summary of Groundwater Elevations and Sample Analytical Results

- Attachment A Field and Laboratory Procedures
- Attachment B Field Data Sheets
- Attachment C Certified Laboratory Analytical Report and Chain of Custody Documentation
- Attachment D Non-hazardous Waste Manifest

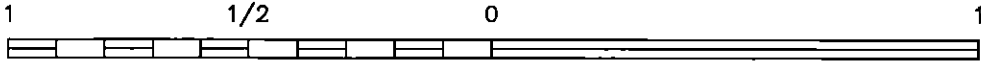
FIGURES



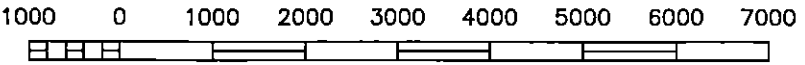
SITE LOCATION



WASHINGTON



SCALE (MILES)



SCALE (FEET)

REFERENCE: USGS 7.5 MINUTE QUADRANGLE; SEATTLE SOUTH, WASHINGTON; 1978



Stantec
12034 134th COURT, SUITE 102
REDMOND, WASHINGTON
PHONE: (425) 372-1800 FAX: (425) 372-1650

FOR:
ConocoPhillips
FACILITY NO 2705753 (RM & R 2857)
159 DENNY WAY
SEATTLE, WASHINGTON

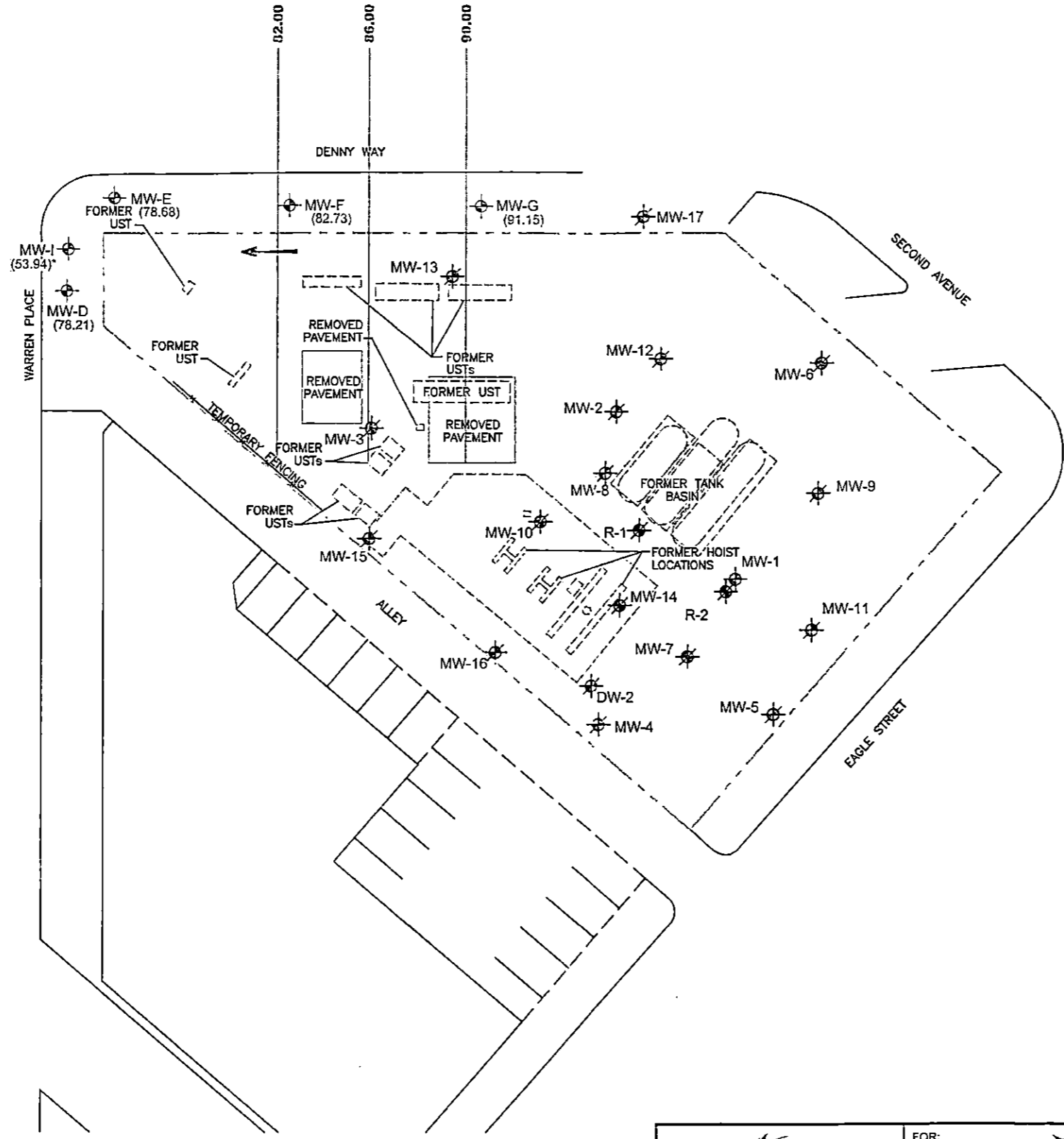
SITE LOCATION MAP

FIGURE:
1

JOB NUMBER: 01CP.02857.40	DRAWN BY: DJH	CHECKED BY: TP	APPROVED BY: AL	DATE: 11/18/08
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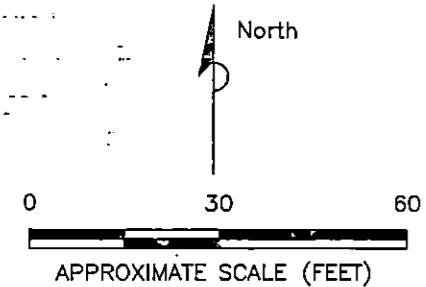
LEGEND


- SITE BOUNDARY
- ⊕ MONITORING WELL LOCATION
- ⊗ ABANDONED OR DESTROYED MONITORING WELL LOCATION
- (79.82) GROUNDWATER ELEVATION
- 86 — GROUNDWATER ELEVATION CONTOUR
- ← INFERRED GROUNDWATER FLOW DIRECTION
- NE NOT ESTABLISHED
- * MW-I NOT USED IN CONTOUR, IT IS LOCATED IN A SEPARATE (LOWER) AQUIFER
- CONTOUR INTERVAL OF 4.00 FT



SOURCE:
 BASE MAP FROM: ENVIRONMENTAL RESOLUTIONS, INC. (ERI), GROUNDWATER SAMPLE ANALYSIS MAP-07/23/03, PLATE 1, DATED 08/15/03, PROJECT NO. 31021, CADD FILE 31021.13.DWG

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 Stantec 12034 134th COURT, SUITE 102 REDMOND, WASHINGTON PHONE: (425) 372-1600 FAX: (425) 372-1650	FOR: ConocoPhillips FACILITY NO 2705753 (RM&R 2857) 159 DENNY WAY SEATTLE, WASHINGTON		SITE PLAN WITH GROUNDWATER ELEVATIONS (OCTOBER 30, 2008)		FIGURE: 2
	JOB NUMBER: 01CP.02857.40	DRAWN BY: DJH	CHECKED BY: TP	APPROVED BY: JY	DATE: 11/19/08

MW-E		µg/L			
DATE	2/7/08	5/21/08	7/24/08	10/30/08	
TPHg	**	**	<50	<50	
TPHd	**	**	<76	<78	
TPHo	**	**	<95	<97	
B	**	**	<0.5	<0.5	
T	**	**	<0.7	<0.7	
E	**	**	<0.8	<0.8	
X	**	**	<0.8	<0.8	
MTBE	**	**	<0.5	<0.5	

MW-F		µg/L			
DATE	2/7/08	5/21/08	7/24/08	10/30/08	
TPHg	14,000	**	22,000	23,000	
TPHd	2,000	**	1,100	760	
TPHo	<190	**	<94	<96	
B	820	**	1,100	740	
T	230	**	2,300	680	
E	140	**	330	91	
X	2,600	**	4,800	4,100	
MTBE	3	**	<1	<3	

MW-G		µg/L			
DATE	2/7/08	5/21/08	7/24/08	10/30/08	
TPHg	<50	<50	<50	<50	
TPHd	<77	<76	<75	<77	
TPHo	<96	<95	<94	<96	
B	<0.5	<0.5	13	<0.5	
T	<0.7	<0.7	<0.7	<0.7	
E	<0.8	<0.8	<0.8	<0.8	
X	<0.8	<0.8	<0.8	<0.8	
MTBE	0.7	1	0.6	<0.5	

MW-I		µg/L			
DATE	2/7/08	5/21/08	7/24/08	10/30/08	
TPHg	1,700	2,000	1,900	1,800	
TPHd	320	450	260	260	
TPHo	<95	370	<94	<100	
B	520	860	1,200	870	
T	8	15	41	11	
E	84	140	170	110	
X	79	130	180	67	
MTBE	1	<0.5	3	2	

MW-D		µg/L			
DATE	2/7/08	5/21/08	7/24/08	10/30/08	
TPHg	**	**	**	**	
TPHd	**	**	**	**	
TPHo	**	**	**	**	
B	**	**	**	**	
T	**	**	**	**	
E	**	**	**	**	
X	**	**	**	**	
MTBE	**	**	**	**	

LEGEND

- SITE BOUNDARY
- ⊕ MONITORING WELL LOCATION
- ⊗ ABANDONED OR DESTROYED MONITORING WELL LOCATION
- ← INFERRED GROUNDWATER FLOW DIRECTION

ANALYTES

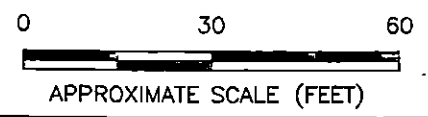
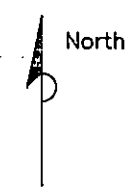
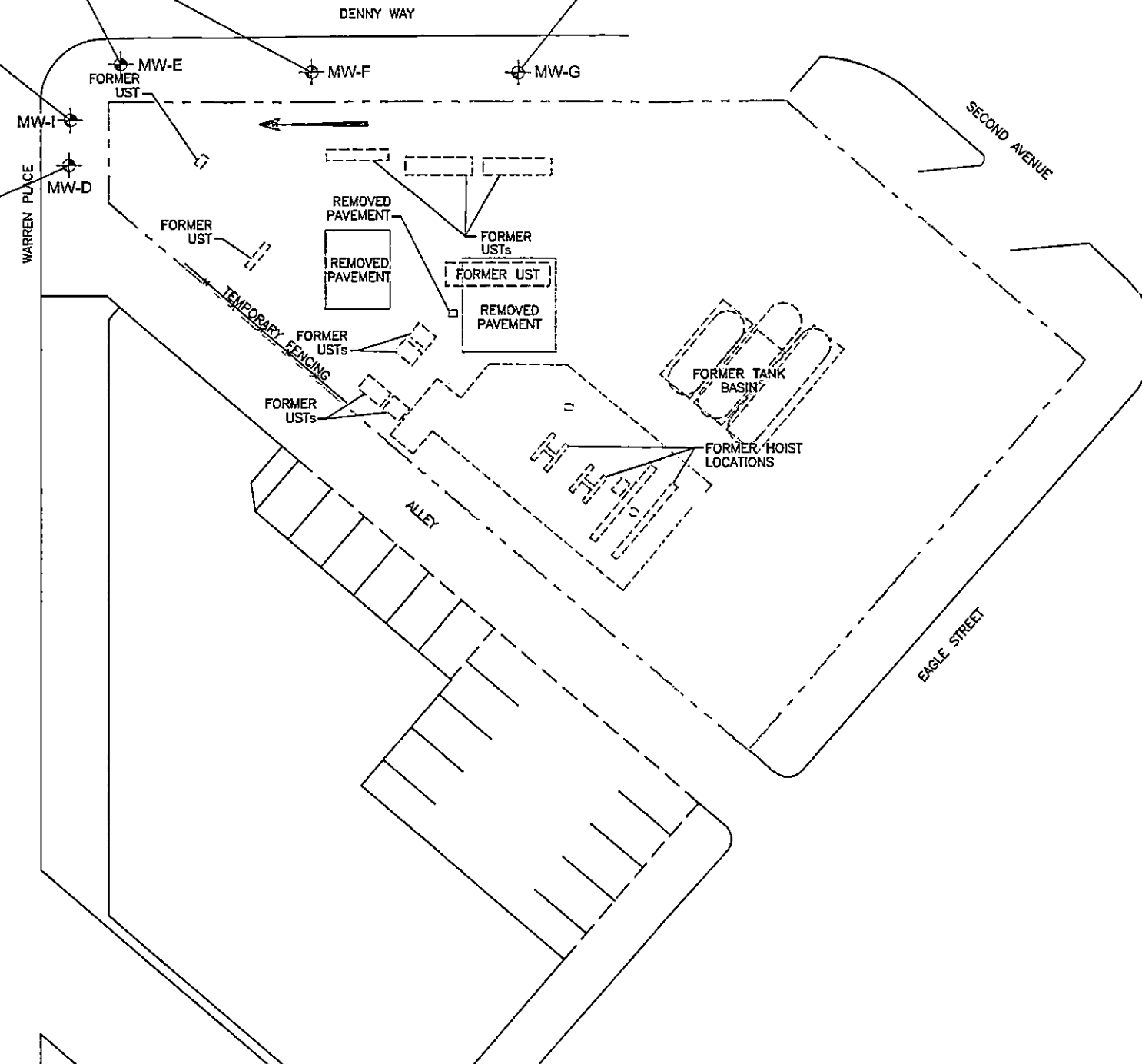
WELL ID	ANALYTES
TPH-G	GASOLINE RANGE HYDROCARBONS
TPH-D	DIESEL RANGE HYDROCARBONS
TPH-O	HEAVY OIL RANGE HYDROCARBONS
B	BENZENE
T	TOLUENE
E	ETHYL BENZENE
X	TOTAL XYLENES
MTBE	METHYL TERTIARY BUTYL ETHER

UNITS IN MICROGRAMS PER LITER (µg/L)

- ND NOT DETECTED AT OR ABOVE THE LABORATORY METHOD DETECTION LIMIT
- NOT ANALYZED OR NOT APPLICABLE
- ** INSUFFICIENT WATER TO SAMPLE
- < LESS THAN LABORATORY REPORTING LIMITS

NOTES

ALL LOCATIONS ARE APPROXIMATE
GROUNDWATER FLOW PREDOMINANTLY WEST



SOURCE:
BASE MAP FROM: ENVIRONMENTAL RESOLUTIONS, INC. (ERI), GROUNDWATER SAMPLE ANALYSIS MAP-07/23/03, PLATE 1, DATED 08/15/03, PROJECT NO. 31021, CADD FILE 31021.13.DWG

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 12034 134th COURT, SUITE 102 REDMOND, WASHINGTON PHONE: (425) 372-1600 FAX: (425) 372-1650	FOR: ConocoPhillips FACILITY NO 2705753 (RM&R 2857) 159 DENNY WAY SEATTLE, WASHINGTON	SITE PLAN WITH ANALYTICAL RESULTS (OCTOBER 30, 2008)		FIGURE: 3
	JOB NUMBER: 01CP.02857.40	DRAWN BY: DJH	CHECKED BY: TP	APPROVED BY: JY

TABLES

TABLE 1
GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
 ConocoPhillips Site No. 2705753 (RM&R 2857)
 159 Denny Way
 Seattle, Washington

Well ID TOC Elevation	Sample Date	Depth to Water	GW Elevation	Total Petroleum Hydrocarbons			Aromatic Hydrocarbons				
				TPH-g (ug/L)	TPH-d (ug/L)	TPH-o (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl- benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)
MW-D 97.76	02/07/08	DRY	NE	--	--	--	--	--	--	--	--
	05/21/08	DRY	NE	--	--	--	--	--	--	--	--
	07/24/08	DRY	NE	--	--	--	--	--	--	--	--
	10/30/08	19.55	78.21	Insufficient water to collect sample							
MW-E 99.18	02/07/08	24.90	74.28	Insufficient water to collect sample							
	05/21/08	DRY	NE	--	--	--	--	--	--	--	--
	07/24/08	22.21	76.97	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5
	10/30/08	20.50	78.68	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5
MW-F 101.28	02/07/08	24.70	76.58	14,000	2,000	<190	820	230	140	2,600	3
	05/21/08	DRY	NE	--	--	--	--	--	--	--	--
	07/24/08	22.65	78.63	22,000	1,100	<94	1,100	2,300	330	4,800	<1
	10/30/08	18.55	82.73	23,000	760	<96	740	680	91	4,100	<3
MW-G 102.90	02/07/08	19.00	83.90	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	0.7
	05/21/08	22.40	80.50	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	1
	07/24/08	13.84	89.06	<50	<75	<94	13	<0.7	<0.8	<0.8	0.6
	10/30/08	11.75	91.15	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5

TABLE 1
GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
 ConocoPhillips Site No. 2705753 (RM&R 2857)
 159 Denny Way
 Seattle, Washington

Well ID TOC Elevation	Sample Date	Depth to Water	GW Elevation	Total Petroleum Hydrocarbons			Aromatic Hydrocarbons				
				TPH-g (ug/L)	TPH-d (ug/L)	TPH-o (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl- benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)
MW-1	02/07/08	44.90	53.54	1,700	320	<95	520	8	84	79	1
98.44	05/21/08	44.85	53.59	2,000	450	370	860	15	140	130	<0.5
	07/24/08	45.21	53.23	1,900	260	<94	1,200	41	170	180	3
	10/30/08	44.50	53.94	1,800	260	<100	870	11	110	67	2

MTCA Method A Cleanup Levels:	1,000/800^a	500	500	5	1,000	700	1,000	20
--------------------------------------	------------------------------	------------	------------	----------	--------------	------------	--------------	-----------

NOTES:

All concentrations are in µg/L (ppb).

Depth to water in feet below top of casing.

GW Elevation = Groundwater elevation relative to top of casing elevations.

TOC = Top of casing elevation.

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

TPH-d and TPH-o = Diesel and heavy range organics, respectively, by Ecology Method NWTPH-Dx.

BTEX = Aromatic compounds by EPA Method 8260B.

MTBE=Methyl Tertiary Butyl Ether.

NE = Not Established; – = Not Analyzed or Sampled.

< = Less than the stated laboratory reporting limit.

^a MTCA Method A Cleanup Levels for TPH-g are 1,000 µg/L when no benzene is present and 800 µg/L when benzene is present.

Bolded values exceed MTCA Method A Cleanup Levels.

TABLE 2
CUMULATIVE SUMMARY OF GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
 ConocoPhillips Site No. 2705753 (RM&R 2857)
 159 Denny Way
 Seattle, Washington

Well ID	Sample Date	Depth to Water	GW Elevation	Total Petroleum Hydrocarbons			Aromatic Hydrocarbons				
				Gasoline Range	Diesel Range	Heavy Range	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-D	08/09/06	DRY	--	--	--	--	--	--	--	--	--
NE	12/04/06	16.60	NE	<48	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5
	02/02/07	DRY	NE	--	--	--	--	--	--	--	--
97.76	05/02/07	19.5	78.26	Insufficient water to collect sample							
	08/08/07	19.52	78.24	Insufficient water to collect sample							
	11/08/07	DRY	NE	--	--	--	--	--	--	--	--
	02/07/08	DRY	NE	--	--	--	--	--	--	--	--
	05/21/08	DRY	NE	--	--	--	--	--	--	--	--
	07/24/08	DRY	NE	--	--	--	--	--	--	--	--
	10/30/08	19.55	78.21	Insufficient water to collect sample							
MW-E	08/09/06	DRY	--	--	--	--	--	--	--	--	--
NE	12/04/06	21.26	NE	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5
	02/02/07	DRY	NE	--	--	--	--	--	--	--	--
99.18	05/02/07	24.59	74.59	Insufficient water to collect sample							
	08/08/07	24.09	75.09	<50	120	<96	<0.5	<0.7	<0.8	<0.8	<0.5
	11/08/07	23.69	75.49	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5
	02/07/08	24.90	74.28	Insufficient water to collect sample							
	05/21/08	DRY	NE	--	--	--	--	--	--	--	--
	07/24/08	22.21	76.97	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5
	10/30/08	20.50	78.68	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5
MW-F	08/09/06	23.65	NE	29,000	2.1	<0.19	1,500	1,400	61	5,600	87
NE	12/04/06	22.84	NE	94,000	1,200	<190	2,800	9,700	1,600	8,800	<5
	02/02/07	24.41	NE	35,000	3,100	<950	1,000	1,300	300	4,100	4
101.28	05/02/07	24.90	76.38	15,000	1,900	670	940	540	110	1,200	2
	08/08/07	23.94	77.34	14,000	1,500	<190	1,300	1,100	210	1,200	2
	11/08/07	18.00	83.28	16,000	1,600	<96	890	570	150	2,300	1
	02/07/08	24.70	76.58	14,000	2,000	<190	820	230	140	2,600	3
	05/21/08	DRY	NE	--	--	--	--	--	--	--	--
	07/24/08	22.65	78.63	22,000	1,100	<94	1,100	2,300	330	4,800	<1
	10/30/08	18.55	82.73	23,000	760	<96	740	680	91	4,100	<3

TABLE 2
CUMULATIVE SUMMARY OF GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
 ConocoPhillips Site No. 2705753 (RM&R 2857)
 159 Denny Way
 Seattle, Washington

MW-G	08/09/06	20.32	NE	<48	<0.076	<0.095	0.2	0.3	<0.2	2.9	2.2
NE	12/04/06	20.31	NE	<48	<75	<94	4	<0.7	<0.8	<0.8	2
	02/02/07	22.90	NE	<48	<76	<95	<0.5	<0.7	<0.8	<0.8	2
102.90	05/02/07	22.75	80.15	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	2
	08/08/07	23.08	79.82	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	2
	11/08/07	21.60	81.30	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	1
	02/07/08	19.00	83.90	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	0.7
	05/21/08	22.40	80.50	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	1
	07/24/08	13.84	89.06	<50	<75	<94	13	<0.7	<0.8	<0.8	0.6
	10/30/08	11.75	91.15	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5
MW-I	08/09/06	45.15	NE	2,900	<0.32*	<0.40	600	22	89	190	15
NE	12/04/06	45.51	NE	3,600	200	190	840	18	130	230	2
	02/02/07	44.83	NE	3,600	280	<95	660	13	120	180	2
98.44	05/02/07	44.15	54.29	2,200	210	230	570	7	110	100	1
	08/08/07	43.39	55.05	2,200	190	<96	380	5	61	58	0.7
	11/08/07	49.70	48.74	1,600	<800	<1000	840	13	110	110	2
	02/07/08	44.90	53.54	1,700	320	<95	520	8	84	79	1
	05/21/08	44.85	53.59	2,000	450	370	860	15	140	130	<0.5
	07/24/08	45.21	53.23	1,900	260	<94	1,200	41	170	180	3
	10/30/08	44.50	53.94	1,800	260	<100	870	11	110	67	2
MTCA Method A Cleanup Levels:				1,000/800^a	500	500	5	1,000	700	1,000	20

NOTES:

All concentrations are in µg/L (ppb).

Depth to water in feet below top of casing.

TOC = Top of casing elevation.

GW Elevation = Groundwater elevation relative to top of casing elevations.

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

TPH-d and TPH-o = Diesel and heavy range organics, respectively, by Ecology Method NWTPH-Dx.

BTEX = Aromatic compounds by EPA Method 8260B.

MTBE = Methyl Tertiary Butyl Ether.

NE = Not Established; -- = Not Analyzed or Sampled.

< = Less than the stated laboratory reporting limit.

^a MTCA Method A Cleanup Levels for TPH-g are 1,000 µg/L when no benzene is present and 800 µg/L when benzene is present.

Bolded values exceed 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.

STANTEC 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 indicates that the groundwater surface has been encountered. The measurement will be made from a location permanently marked on the top of each respective casing to within the nearest 0.01 foot. If liquid phase hydrocarbons are present in any of the monitoring wells, the thickness of the liquid hydrocarbon layer will be measured using a Marine Moisture Control interface probe, and then recorded. Each water level measurement will be repeated at least once to verify the accuracy of the initial measurement. Prior to collecting groundwater samples, each monitoring well will be 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 F (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.

**ATTACHMENT B
FIELD DATA SHEETS**

SITE VISITATION REPORT

Site No. 5753 Seattle, WA

Name(s) Dave Reitz

Date: 10/30/08

Time of Arrival Call-In: 0750

Arrival Time: 7:30

Departure Time: 12:00

Time of Departure Call-In: 12:00

Who did you call? D. Hanson

DRUM INVENTORY

<u>1</u>	WATER	_____	CARBON	TOTAL OPEN TOP	_____
_____	SOIL	_____	EMPTY	TOTAL BUNG TOP	<u>1 - (immediate transport from site)</u>

HEALTH AND SAFETY ASSESSMENT

Review HAZP, P.T.W., JSA
Appropriate P.P.E.

DESCRIPTION OF ACTIVITIES ONSITE AND NOTES

- 0700 Purchase ice en-route.
- 0730 Arrive on site - Call-in to office - set-up decon. station.
- 0745 Tailgate safety meeting - review documentation. Perform site walk. Apply P.P.E.
- 0800 Initiate gauging of 5 wells prior to 4Q-08 GWM
- 0820 Complete gauging procedures
- 0830 Initiate 4Q-08 GWM sample procedures
- 1100 GEM arrives on-site for pick-up of drums. Complete sampling procedures. Decon. equipment.
- 1120 Release purge water & decon. solution into drum.
- 1130 GEM takes custody of drum for transport from site.
- 1140 Pack-up equipment & secure load.
- 1200 Call-in to office to inform of departure.
- 1205 Depart job site.

Stantec Consulting Corporation

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 01CP. 02857.40 PURGED BY: D. Ritz WELL I.D.: MW - G
 CLIENT NAME: Conoco Phillips SAMPLED BY: D. Ritz SAMPLE I.D.: MW - G
 LOCATION: 159 Denny Way Seattle, WA.

DATE PURGED 10 / 30 / 08 START (2400hr) 0835 END (2400hr) 0905
 DATE SAMPLED 10 / 30 / 08 SAMPLE TIME (2400hr) 0850 LOW-FLOW USED X
 SAMPLE TYPE: Groundwater X Surface Water _____ Treatment Effluent _____ Other _____

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

DEPTH TO BOTTOM (feet) = 28.80
 DEPTH TO WATER (feet) = 11.75
 WATER COLUMN HEIGHT (feet) = 17.05 ACTUAL PURGE (L) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME ML	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
<u>10/30/08</u>	<u>0840</u>	<u>800</u>	<u>16.36</u>	<u>0.439</u>	<u>7.13</u>	<u>Clr</u>
<u>↓</u>	<u>0843</u>	<u>500</u>	<u>16.27</u>	<u>0.444</u>	<u>7.24</u>	<u>Clr</u>
<u>↓</u>	<u>0846</u>	<u>500</u>	<u>16.45</u>	<u>0.438</u>	<u>7.24</u>	<u>Clr</u>
<u>↓</u>	<u>0849</u>	<u>500</u>	<u>16.46</u>	<u>0.440</u>	<u>7.22</u>	<u>Clr</u>
<i>[Handwritten Signature]</i>						
Calculated Variance of Final Three Samples:			<u>0.09</u>	<u>0.006</u>	<u>0.02</u>	
Acceptable Variance Limits:			≤ 10%	≤ 3%	≤ 0.1	

10/30/08

DEPTH TO PURGE INTAKE DURING PURGE: 28.00 SAMPLE DTW: 12.7

ANTICIPATED PURGE INTAKE DEPTH: 28.00 ANALYSES: TPH-Dx
TPH-Gx
BTEX / MTBE
 SAMPLE VESSEL / PRESERVATIVE: Glass / HCL

PURGING EQUIPMENT: Peristaltic pump WATER METER: Water meter SAMPLING EQUIPMENT: Peristaltic pump
Interface probe

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 - ALS 919 LOCK#: yes

REMARKS: _____

SIGNATURE: [Signature] Page 1 of _____

Stantec Consulting Corporation

WATER SAMPLE FIELD DATA SHEET

PROJECT #: DICP. 02857.40 PURGED BY: D. Reitz WELL I.D.: MW-E
 CLIENT NAME: Comoco Phillips SAMPLED BY: D. Reitz SAMPLE I.D.: MW-E
 LOCATION: 159 Denny Way Seattle, WA

DATE PURGED 10/30/08 START (2400hr) 0910 END (2400hr) 0940
 DATE SAMPLED 10/30/08 SAMPLE TIME (2400hr) 0925 LOW-FLOW USED X
 SAMPLE TYPE: Groundwater X Surface Water _____ Treatment Effluent _____ Other _____

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

DEPTH TO BOTTOM (feet) = 25.20
 DEPTH TO WATER (feet) = 20.50
 WATER COLUMN HEIGHT (feet) = 4.70 ACTUAL PURGE (L) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (ML)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
<u>10/30/08</u>	<u>0915</u>	<u>800</u>	<u>15.60</u>	<u>0.395</u>	<u>8.35</u>	<u>Clr</u>
	<u>0918</u>	<u>500</u>	<u>15.47</u>	<u>0.392</u>	<u>8.00</u>	<u>Clr</u>
	<u>0921</u>	<u>500</u>	<u>15.42</u>	<u>0.387</u>	<u>7.95</u>	<u>Clr</u>
	<u>0924</u>	<u>500</u>	<u>15.45</u>	<u>0.388</u>	<u>7.90</u>	<u>Clr</u>
Calculated Variance of Final Three Samples:			<u>0.05</u>	<u>0.005</u>	<u>0.10</u>	
Acceptable Variance Limits:			<u>≤ 10%</u>	<u>≤ 3%</u>	<u>≤ 0.1</u>	

DEPTH TO PURGE INTAKE DURING PURGE: 24.00 SAMPLE DTW: 21.50

ANTICIPATED PURGE INTAKE DEPTH: 24.00 ANALYSES: TPH-DX
TPH-CX
BTEX / ATBE
 SAMPLE VESSEL / PRESERVATIVE: Glass / HCL

PURGING EQUIPMENT: Peristaltic pump Water meter SAMPLING EQUIPMENT: Peristaltic pump
Interface probe

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 - ALS 921 LOCK#: yes

REMARKS: _____

SIGNATURE: [Signature] Page 1 of _____

Stantec Consulting Corporation

WATER SAMPLE FIELD DATA SHEET

PROJECT #: OLCP.02857.40

PURGED BY: _____

WELL I.D.: MW-D

CLIENT NAME: Conoco Phillips

SAMPLED BY: _____

SAMPLE I.D.: _____

LOCATION: 159 Denny Way Seattle WA

DATE PURGED _____

START (2400hr) 0815

END (2400hr) _____

DATE SAMPLED _____

SAMPLE TIME (2400hr) _____

LOW-FLOW USED X

SAMPLE TYPE: Groundwater _____

Surface Water _____

Treatment Effluent _____

Other _____

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

DEPTH TO BOTTOM (feet) = 19.85

DEPTH TO WATER (feet) = 19.55

WATER COLUMN HEIGHT (feet) = 0.03

ACTUAL PURGE (L) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
<u>10/30/08</u>	<u>Well</u>	<u>is</u>	<u>Dry</u>	<u>Well</u>	<u>is</u>	<u>Dry</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

Calculated Variance of Final Three Samples: _____
 Acceptable Variance Limits: _____

≤ 10%

≤ 3%

≤ 0.1

DEPTH TO PURGE INTAKE DURING PURGE: _____ SAMPLE DTW: _____

ANTICIPATED PURGE INTAKE DEPTH: _____ ANALYSES: _____

SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT: _____

SAMPLING EQUIPMENT: _____

Flow Through Cell Disconnected Prior to Sample Collection? YES _____ NO _____

WELL PAD CONDITION: Fair

WELL CASING CONDITION: Good

WELL VAULT CONDITION: Fair

SEAL PRESENT?: YES

BOLTS PRESENT?: YES

WELL INTEGRITY: Fair

WELL TAG: YES APL 591

LOCK#: YES

REMARKS: Well is dry.

SIGNATURE: [Signature]

Stantec Consulting Corporation

WATER SAMPLE FIELD DATA SHEET

PROJECT # 01CP 02857.40 PURGED BY: D. Raitz WELL I.D.: MW-F
 CLIENT NAME: Conoco Phillips SAMPLED BY: D. Raitz SAMPLE I.D.: MW-F
 LOCATION: 159 Denny Way Seattle WA

DATE PURGED 10/30/08 START (2400hr) 0955 END (2400hr) 1025
 DATE SAMPLED 10/30/08 SAMPLE TIME (2400hr) 1010 LOW-FLOW USED X
 SAMPLE TYPE: Groundwater X Surface Water _____ Treatment Effluent _____ Other _____

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

DEPTH TO BOTTOM (feet) = 29.55
 DEPTH TO WATER (feet) = 18.55
 WATER COLUMN HEIGHT (feet) = 11.00 ACTUAL PURGE (L) = 2.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (ML)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
<u>10/30/08</u>	<u>1000</u>	<u>800</u>	<u>16.27</u>	<u>0.425</u>	<u>8.77</u>	<u>Clr.</u>
	<u>1003</u>	<u>500</u>	<u>16.32</u>	<u>0.421</u>	<u>8.79</u>	<u>Clr.</u>
	<u>1006</u>	<u>500</u>	<u>16.43</u>	<u>0.419</u>	<u>8.79</u>	<u>Clr.</u>
	<u>1009</u>	<u>500</u>	<u>16.49</u>	<u>0.418</u>	<u>8.79</u>	<u>Clr.</u>
Calculated Variance of Final Three Samples:			<u>0.07</u>	<u>0.003</u>	<u>0</u>	
Acceptable Variance Limits:			<u>≤ 10%</u>	<u>≤ 3%</u>	<u>≤ 0.1</u>	

DEPTH TO PURGE INTAKE DURING PURGE: 29.00 SAMPLE DTW: 19.55

ANTICIPATED PURGE INTAKE DEPTH: 29.00 ANALYSES: TPH-Dx
TPH-Gx
BTEX/MTBE
 SAMPLE VESSEL / PRESERVATIVE: Glass/HCL

PURGING EQUIPMENT: Peristaltic pump Water meter SAMPLING EQUIPMENT: Peristaltic pump
Interface probe

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 ALS920 LOCK#: yes

REMARKS: _____

SIGNATURE: [Signature] Page 1 of _____

Stantec

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 01CP. 02587.40 PURGED BY: Dave Reitz WELL I.D.: MW-I
CLIENT NAME: Conoco Phillips SAMPLED BY: Dave Reitz SAMPLE I.D.: MW-I
LOCATION: 159 Denny Way Seattle WA

DATE PURGED 10/30/08 START (2400hr) 1030 END (2400hr) 1120
DATE SAMPLED 10/30/08 SAMPLE TIME (2400hr) 1100
SAMPLE TYPE: Groundwater X Surface Water _____ Treatment Effluent _____ Other _____

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

DEPTH TO BOTTOM (feet) = 51.25 CASING VOLUME (L) = 4.32
DEPTH TO WATER (feet) = 44.50
WATER COLUMN HEIGHT (feet) = 6.75 ACTUAL PURGE (L) = 13.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)
<u>10/30/08</u>	<u>1040</u>	<u>4.5</u>	<u>15.23</u>	<u>0.580</u>	<u>9.23</u>	<u>Gray</u>
	<u>1050</u>	<u>4.5</u>	<u>16.04</u>	<u>0.705</u>	<u>9.39</u>	<u>Gray</u>
	<u>1100</u>	<u>4.5</u>	<u>16.66</u>	<u>0.681</u>	<u>9.44</u>	<u>Clear</u>

Calculated Variance of Final Three Samples: _____
Acceptable Variance Limits: ≤ 10% ≤ 3% ≤ 0.1

DEPTH TO PURGE INTAKE DURING PURGE: 51.00 SAMPLE DTW: 45.10

ANALYSES: TPH-G, TPH-D, BTEX, MTBE

SAMPLE VESSEL / PRESERVATIVE: Glass / HCL

PURGING EQUIPMENT: Whole pump Water meter SAMPLING EQUIPMENT: Whole pump
Interface probe

WELL PAD CONDITION: Fair WELL CASING CONDITION: Fair
WELL VAULT CONDITION: Fair SEAL PRESENT?: YES BOLTS PRESENT?: YES
WELL INTEGRITY: Fair WELL TAG: YES API-592 LOCK#: YES

REMARKS: 13.5 liters purged

SIGNATURE: [Signature] Page 1 of 1

ConocoPhillips Analysis Request/Chain of Custody



For Lancaster Labs Use ONLY Acct. #

Group #

Sample #

SCR#

011128

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

Site #: 5753 AOC#: _____
 Site City: Seattle State: WA
 Entos PO#: _____
 ConocoPhillips PM: Mike Ngil
 Samplers Name: David Reitz

Matrix	Preservation Codes											
	1	2	3	4	5	6	7	8	9	10	11	12
Soil												
Water												
Air												

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

Sample Identification	Date Collected	Time Collected	Grab	Composite
MW-E	10/30/08	0925	X	
MW-F		1010	X	
MW-G		0850	X	
MW-I		1100	X	
Trip blanks				

Remarks

MW-D was dry

Consultant Information:
 Office City: Redmond State: WA
 Project Manager: Jennifer Yoltz
 Phone Number: (425) 372-1600 Fax: (425) 372-1650
 Email: Jennifer.Yoltz@stork.com

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

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

Relinquished by	Date	Time	Received by	Date	Time
<i>[Signature]</i>	10/30/08	7:50			
Relinquished by:	Date	Time	Received by:	Date	Time
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

ANALYTICAL RESULTS

Prepared for:

ConocoPhillips
5528 NW Doane Ave.
Portland OR 97210

Prepared by:

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

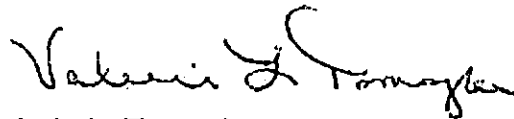
The sample group for this submittal is 1117862. Samples arrived at the laboratory on Friday, October 31, 2008. The PO# for this group is 4509020560 and the release number is NOLL.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
MW-E Grab Water Sample	5515152
MW-F Grab Water Sample	5515153
MW-G Grab Water Sample	5515154
MW-I Grab Water Sample	5515155
Trip Blank Water Sample	5515156

ELECTRONIC COPY TO	Stantec	Attn: Alice Larsen
ELECTRONIC COPY TO	Stantec	Attn: Tammy Parise
ELECTRONIC COPY TO	ConocoPhillips	Attn: Jennifer Moore-Yotz

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

Respectfully Submitted,



Valerie L. Tomayko
Group Leader

Lancaster Laboratories Sample No. WW5515152

Group No. 1117862

MW-E Grab Water Sample

Site# 2857 (2705753)

3000 First Avenue - Seattle, WA

Collected: 10/30/2008 09:25 by DR

Account Number: 11817

Submitted: 10/31/2008 08:55

Reported: 11/12/2008 at 13:05

Discard: 12/13/2008

ConocoPhillips

5528 NW Doane Ave.

Portland OR 97210

FST-E

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	Units	Dilution Factor
				Method		
				Detection Limit		
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	78	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	97	ug/l	1
08273	TPH by NWTPH-Gx waters					
01645	TPH by NWTPH-Gx waters	n.a.	N.D.	50	ug/l	1
02300	GC/MS Volatiles					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
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	Analyst	Dilution Factor
				Date and Time		
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	11/11/2008 14:46	Diane V Do	1
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	11/08/2008 02:42	Kathie J Bowman	1
02300	GC/MS Volatiles	SW-846 8260B	1	11/07/2008 04:01	Emily R Styer	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/08/2008 02:42	Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/07/2008 04:01	Emily R Styer	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	11/09/2008 10:30	Kelli M Barto	1

Lancaster Laboratories Sample No. WW5515153

Group No. 1117862

MW-F Grab Water Sample

Site# 2857 (2705753)

3000 First Avenue - Seattle, WA

Collected: 10/30/2008 10:10 by DR

Account Number: 11817

Submitted: 10/31/2008 08:55

Reported: 11/12/2008 at 13:05

Discard: 12/13/2008

ConocoPhillips

5528 NW Doane Ave.

Portland OR 97210

FST-F

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02211	TPH by NWTPH-Dx(water) w/SiGel						
02095	Diesel Range Organics	n.a.	760	77		ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	96		ug/l	1
08273	TPH by NWTPH-Gx waters						
01645	TPH by NWTPH-Gx waters	n.a.	23,000	500		ug/l	10
02300	GC/MS Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3		ug/l	5
05401	Benzene	71-43-2	740	3		ug/l	5
05407	Toluene	108-88-3	680	4		ug/l	5
05415	Ethylbenzene	100-41-4	91	4		ug/l	5
06310	Xylene (Total)	1330-20-7	4,100	40		ug/l	50

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		Analyst	Dilution Factor
				Date and Time			
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	11/11/2008	15:07	Diane V Do	1
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	11/08/2008	03:04	Kathie J Bowman	10
02300	GC/MS Volatiles	SW-846 8260B	1	11/07/2008	10:39	Emily R Styer	5
02300	GC/MS Volatiles	SW-846 8260B	1	11/07/2008	11:02	Emily R Styer	50
01146	GC VOA Water Prep	SW-846 5030B	1	11/08/2008	03:04	Kathie J Bowman	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/07/2008	10:39	Emily R Styer	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	11/07/2008	11:02	Emily R Styer	50
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	11/09/2008	10:30	Kelli M Barto	1



Analysis Report

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Page 2 of 2

Lancaster Laboratories Sample No. WW5515153

Group No. 1117862

MW-F Grab Water Sample
Site# 2857 (2705753)
3000 First Avenue - Seattle, WA
Collected: 10/30/2008 10:10 by DR

Account Number: 11817

Submitted: 10/31/2008 08:55
Reported: 11/12/2008 at 13:05
Discard: 12/13/2008

ConocoPhillips
5528 NW Doane Ave.
Portland OR 97210

FST-F

Lancaster Laboratories Sample No. WW5515154

Group No. 1117862

MW-G Grab Water Sample

Site# 2857 (2705753)

3000 First Avenue - Seattle, WA

Collected: 10/30/2008 08:50 by DR

Account Number: 11817

Submitted: 10/31/2008 08:55

Reported: 11/12/2008 at 13:05

Discard: 12/13/2008

ConocoPhillips

5528 NW Doane Ave.

Portland OR 97210

FST-G

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	77	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	96	ug/l	1
08273	TPH by NWTTPH-Gx waters					
01645	TPH by NWTTPH-Gx waters	n.a.	N.D.	50	ug/l	1
02300	GC/MS Volatiles					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
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	TPH by NWTTPH-Dx(water) w/SiGel	ECY 97-602 NWTTPH-Dx modified	1	11/11/2008 16:28	Diane V Do	1
08273	TPH by NWTTPH-Gx waters	ECY 97-602 NWTTPH-Gx modified	1	11/08/2008 03:25	Kathie J Bowman	1
02300	GC/MS Volatiles	SW-846 8260B	1	11/07/2008 05:11	Emily R Styer	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/08/2008 03:25	Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/07/2008 05:11	Emily R Styer	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTTPH-Dx 06/97	1	11/09/2008 10:30	Kelli M Barto	1

Lancaster Laboratories Sample No. WW5515155

Group No. 1117862

MW-I Grab Water Sample

Site# 2857 (2705753)

3000 First Avenue - Seattle, WA

Collected: 10/30/2008 11:00 by DR

Account Number: 11817

Submitted: 10/31/2008 08:55

Reported: 11/12/2008 at 13:05

Discard: 12/13/2008

ConocoPhillips

5528 NW Doane Ave.

Portland OR 97210

FST-I

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02211	TPH by NWTPH-Dx(water) w/SiGel						
02095	Diesel Range Organics	n.a.	260	81		ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	100		ug/l	1
08273	TPH by NWTPH-Gx waters						
01645	TPH by NWTPH-Gx waters	n.a.	1,800	1,000		ug/l	20
02300	GC/MS Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	2	1		ug/l	2
05401	Benzene	71-43-2	870	3		ug/l	5
05407	Toluene	108-88-3	11	1		ug/l	2
05415	Ethylbenzene	100-41-4	110	2		ug/l	2
06310	Xylene (Total)	1330-20-7	67	2		ug/l	2

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		Analyst	Dilution Factor
				Date	Time		
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	11/11/2008	15:27	Diane V Do	1
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	11/08/2008	03:47	Kathie J Bowman	20
02300	GC/MS Volatiles	SW-846 8260B	1	11/07/2008	11:26	Emily R Styer	5
02300	GC/MS Volatiles	SW-846 8260B	1	11/09/2008	02:22	Holly Berry	2
01146	GC VOA Water Prep	SW-846 5030B	1	11/08/2008	03:47	Kathie J Bowman	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/09/2008	02:22	Holly Berry	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	11/07/2008	11:26	Emily R Styer	5
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	11/09/2008	10:30	Kelli M Barto	1



Analysis Report

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Page 2 of 2

Lancaster Laboratories Sample No. WW5515155

Group No. 1117862

MW-I Grab Water Sample

Site# 2857 (2705753)

3000 First Avenue - Seattle, WA

Collected: 10/30/2008 11:00 by DR

Account Number: 11817

Submitted: 10/31/2008 08:55

Reported: 11/12/2008 at 13:05

Discard: 12/13/2008

ConocoPhillips

5528 NW Doane Ave.

Portland OR 97210

FST-I



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. **WW5515156**

Group No. **1117862**

Trip Blank Water Sample
Site# 2857 (2705753)
3000 First Avenue - Seattle, WA
Collected: 10/30/2008

Account Number: 11817

Submitted: 10/31/2008 08:55
Reported: 11/12/2008 at 13:05
Discard: 12/13/2008

ConocoPhillips
5528 NW Doane Ave.
Portland OR 97210

FSTTB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
08273	TPH by NWTPH-Gx waters					
01645	TPH by NWTPH-Gx waters	n.a.	N.D.	50	ug/l	1
02300	GC/MS Volatiles					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	11/08/2008 00:53	Tyler O Griffin	1
02300	GC/MS Volatiles	SW-846 8260B	1	11/07/2008 02:51	Emily R Styer	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/08/2008 00:53	Tyler O Griffin	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/07/2008 02:51	Emily R Styer	1

Quality Control Summary

 Client Name: ConocoPhillips
 Reported: 11/12/08 at 01:05 PM

Group Number: 1117862

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: 08312D20A TPH by NWTPH-Gx waters	N.D.	50.	ug/l	100	100	75-135	0	30
Batch number: 083130000A Diesel Range Organics Heavy Range Organics	N.D.	80.	ug/l	64	68	61-106	6	20
Batch number: W083121AA Methyl Tertiary Butyl Ether Benzene Toluene Ethylbenzene Xylene (Total)	N.D.	0.5	ug/l	98		73-119		
	N.D.	0.5	ug/l	103		78-119		
	N.D.	0.7	ug/l	100		85-115		
	N.D.	0.8	ug/l	98		82-119		
	N.D.	0.8	ug/l	102		83-113		
Batch number: W083132AA Methyl Tertiary Butyl Ether Toluene Ethylbenzene Xylene (Total)	N.D.	0.5	ug/l	92	92	73-119	0	30
	N.D.	0.7	ug/l	99	98	85-115	0	30
	N.D.	0.8	ug/l	96	96	82-119	0	30
	N.D.	0.8	ug/l	99	98	83-113	1	30

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: 08312D20A TPH by NWTPH-Gx waters	100		63-154						
Batch number: W083121AA Methyl Tertiary Butyl Ether Benzene Toluene Ethylbenzene Xylene (Total)	100	98	69-127	2	30				
	110	107	83-128	2	30				
	105	103	83-127	2	30				
	104	101	82-129	3	30				
	107	104	82-130	3	30				
Batch number: W083132AA Methyl Tertiary Butyl Ether Toluene Ethylbenzene Xylene (Total)	96		69-127						
	105		83-127						
	102		82-129						
	105		82-130						

*- 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
 Reported: 11/12/08 at 01:05 PM

Group Number: 1117862

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: TPH by NWTPH-Gx waters
 Batch number: 08312D20A
 Trifluorotoluene-F

5515152	80
5515153	83
5515154	81
5515155	81
5515156	81
Blank	81
LCS	104
LCSD	103
MS	100

Limits: 63-135

 Analysis Name: TPH by NWTPH-Dx(water) w/SiGel
 Batch number: 083130000A
 Orthoterphenyl

5515152	89
5515153	114
5515154	86
5515155	100
Blank	93
LCS	107
LCSD	112

Limits: 50-150

 Analysis Name: GC/MS Volatiles
 Batch number: W083121AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5515152	97	94	94	92
5515153	96	96	94	96
5515154	96	98	93	92
5515156	95	96	94	93
Blank	96	93	93	91
LCS	97	97	96	95
MS	96	95	97	96
MSD	95	96	96	96

Limits: 80-116 77-113 80-113 78-113

 Analysis Name: GC/MS Volatiles
 Batch number: W083132AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5515155	94	94	96	94
Blank	96	98	95	90
LCS	96	94	98	96

*- 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
Reported: 11/12/08 at 01:05 PM

Group Number: 1117862

Surrogate Quality Control

LCSD	95	96	98	95
MS	97	98	97	95
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.

**Environmental Sample Administration
 Receipt Documentation Log**

Client/Project: COP WA
 Date of Receipt: 10/31/08
 Time of Receipt: 0855
 Source Code: S6-1
 Unpacker Emp. No.: 208

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	0429951	5.0	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received **NOT** listed on chain of custody: Rec'd 4 TBs/a

Paperwork Discrepancy/Unpacking Problems:

Rec'd 6 vials + 1 amber each MW-E thru MW-I

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>J. Anesh</u>	<u>10/31/08</u>	<u>1700</u>	Unpacking <u>to storage</u>
<u>Jimmy Deland</u>	<u>10/31/08</u>	<u>1832</u>	Place in Storage or <input checked="" type="radio"/> 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 <u>limit of quantitation</u> , 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	Inorganic Qualifiers
A TIC is a possible aldol-condensation product	B Value is <CRDL, but ≥IDL
B Analyte was also detected in the blank	E Estimated due to interference
C Pesticide result confirmed by GC/MS	M Duplicate injection precision not met
D Compound quantitated on a diluted sample	N Spike amount not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
J Estimated value	U Compound was not detected
N Presumptive evidence of a compound (TICs only)	W Post digestion spike out of control limits
P Concentration difference between primary and confirmation columns >25%	* Duplicate analysis not within control limits
U Compound was not detected	+ Correlation coefficient for MSA <0.995
X,Y,Z Defined in case narrative	

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.

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ATTACHMENT D
NON-HAZARDOUS WASTE MANIFEST

NON-HAZARDOUS WASTE MANIFEST

185697-205

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. Exempt		Manifest Document No. 185697a	2. Page 1 of 1
3. Generator's Name and Mailing Address Conoco Phillips-5753: C/O Secor International, 12034 134th Court NE, #102, Redmond, WA 98052					
4. Generator's Phone (206-778-1676)					
5. Transporter 1 Company Name General Environmental Management, Inc.		6. US EPA ID Number CAD983649880		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone 800-326-1011	
9. Designated Facility Name and Site Address Emerald Petroleum Services 1500 Airport Way S. Seattle, WA 98134		10. US EPA ID Number WAD058367152		C. State Transporter's ID	
				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone 206-832-3100	
11. WASTE DESCRIPTION			12. Containers	13. Total Quantity	14. Unit Wt./Vol.
			No.	Type	
a. Non hazardous liquid (IDW non regulated water)			01	DM	008 G
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above 1) G02906 GEM PO# 3988			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information Emergency Phone: (800) 326-1011 Conoco Phillips-5753 159 Denny Way Seattle, WA 98108					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name Conoco Phillips				Date	
Printed/Typed Name Steven C. Hall		Signature <i>[Signature]</i>		Month Day Year 10 30 03	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name Steven C. Hall		Signature <i>[Signature]</i>		Month Day Year 10 30 03	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name Antonio Pedrosa				Date	
Printed/Typed Name Antonio Pedrosa		Signature <i>[Signature]</i>		Month Day Year 11 21 03	

GENERATOR'S FACILITY