DATE: March 5, 2008

CONOCOPHILLIPS OPERATIONS AND MAINTENANCE REPORT

ConocoPhillips Facility No.: 255353 Address: 600 Westlake Avenue North Seattle, WA
ConocoPhillips Project Manager: Kipp Eckert (RM&R 01396)
Consulting Co./Contact Person: SECOR/Jennifer Yotz
Consultant Project No.: 01CP.01396.43
Primary Agency/Regulatory ID No.: VCP No. NW 1714/Ecology Identifier No. 46445373

WORK PERFORMED THIS QUARTER [Fourth– 2007]:

Summary of Routine Operations and Maintenance Activities

- On October 1, 2007, personnel from Delta Consultants (Delta) visited the site to collect influent and midpoint air samples.

- On October 17 2007, personnel from Delta and SECOR International, Inc. (SECOR) were onsite to oversee Clearcreek Environmental Contractors, who finished the installation of an air sparge (AS) and soil vapor extraction (SVE) manifold for system wells located in Westlake Avenue North.

- On October 24, 2007, Delta and SECOR personnel conducted joint operations and maintenance activities. During this event, H2Oil Recovery personnel installed a used Rotron EN858 regenerative SVE blower to accommodate the addition of the new manifold. With this event, responsibilities for the site were transferred from Delta to SECOR.

- On November 15, 2007, SECOR personnel conducted an enhanced fluid recovery (EFR) event on wells EFR-1, EFR-2, EFR-3, MW-48, MW-65 and MW-88; located in Terry Avenue. The SVE system was not operating when SECOR personnel arrived at the site. The air-water separator, commonly known as the knock-out tank, had shut the system down automatically due to a high water alarm. The air-water separator was evacuated using the vacuum truck from the EFR event. The SVE system was then restarted prior to departure.

- On November 26, 2007, SECOR completed operations and maintenance activities. The system was not operating upon arrival due to a high level alarm on the air-water separator. A vacuum truck was dispatched to remove the contents of the air-water separator prior to restarting the system.

- On November 29, 2007, SECOR personnel visited the site to conduct an EFR event on wells EFR-1, EFR-2, EFR-3, MW-48, MW-65 and MW-88. The SVE system was inoperable upon arrival due to another high level alarm on the air-water separator. The air-water separator was emptied with a vacuum truck and the system was restarted following the EFR event.

- On December 13, 2007, SECOR personnel completed an EFR event on wells EFR-1, EFR-2, EFR-3, MW-48, MW-65 and MW-88. The SVE system was inoperable upon arrival due to a

malfunctioning blower. The system was not restarted, so that a senior engineer could evaluate the blower during the following week's operations and maintenance event.

- On December 20, 2007, SECOR personnel conducted operations and maintenance activities. The malfunctioning SVE blower was determined to be inoperable, preventing the system from being restarted.

- On December 27, 2007, SECOR personnel conducted an EFR event on wells EFR-1, EFR-2, EFR-3, MW-48, MW-65 and MW-88.

The field and analytical data collected during the EFR events described above are included in Tables 4 through 6 of this document. Please note that well MW-48 was mislabeled as well MW-46 in field notes and laboratory reports related to these EFR events, due to an error in the well identifier noted on the SVE manifold. The issue will be corrected prior to the submittal of the operations and maintenance report for the first quarter of 2008.

AS/SVE System Performance Monitoring

AS/SVE system performance monitoring is typically conducted at the site on a monthly basis; however the SVE system was down for much of the fourth quarter of 2007 due to frequent high-level alarms in the air-water separator. Since the system was inoperable for most of the quarter, no system parameters could be recorded. SECOR believes that this was caused by the increased capacity of the SVE blower installed in October 2007, which allowed more water to enter the system. This issue is currently being addressed, and will be documented in the subsequent operations and maintenance report. A total of 1,323 pounds of petroleum hydrocarbons have been removed by the SVE system through the fourth quarter of 2007. Field notes have been included in Attachment A. Historical operations and maintenance information is included in Tables 1 through 3.

Summary of Monthly Discharge Sampling

Delta personnel collected air samples from the SVE system on October 1 and October 24, 2007 in accordance with Puget Sound Clean Air Agency (PSCAA) Permit NO. 8905. Air samples were taken from the carbon influent, midpoint, and effluent. Samples were collected in 1-liter Tedlar™ bags, screened for VOCs using a portable photoionization detector (PID), and placed in a cooler without ice for delivery to Test America Laboratories in Bothell, Washington. Air samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethyl benzene and total xylenes (BTEX) per methods NWTPH-g and EPA 8021B, respectively. Analytical results are summarized in Table 1 and included in Attachment B.

No air samples were taken in November and December, because the system was not operating.

Summary of The Enhanced Fluid Recovery Events

EFR events were conducted every-other week during the fourth quarter of 2007. The EFR events consisted of applying vacuum to 6 wells (EFR-1, EFR-2, EFR-3, MW-46, MW-65, and MW-88) and their associated vent wells located in Terry Avenue. Each of the wells has a stinger that is set below the surface of the water table. The stingers are plumbed to a manifold located in a fenced enclosure on the east side of the site. Vacuum was applied to the manifold using a vacuum truck. Well valves were opened three at a time, for approximately 4 hours per well grouping. The first well grouping

consisted of wells EFR-1, EFR-2 and EFR-3. The second well grouping consisted of wells MW-48, MW-65 and MW-88. PID and vacuum readings were taken from each of the wells every 2 hours. Between October and December 2007, the applied vacuum to the EFR wells ranged between 40 and 90 in. H_2O (Table 4). A total volume of 6,359 gallons of water was removed during the fourth quarter 2007 EFR events. VOC monitoring and air sample results indicated a decrease in the vapor concentrations from each of the wells. Well and enclosure locations are depicted in Figure 3. Field notes are included in Attachment A.

Air and water samples are taken from each well during the first EFR event of the month. Air samples were collected in 1-liter Tedlar™ bags and screened for VOCs using a PID. Water samples were taken using a vacuum pump applied to a small air-water separator. Once the air water separator filled with water the sample was collected from a sample port at the bottom of the air-water separator. The air-water separator was decontaminated between each sample collection. The air and water samples were collected near the end of the EFR event for the first well grouping and near the beginning of the EFR event conducted on the second well grouping. Both air and water samples were taken to Test America Laboratories in Bothell, Washington. Air and water samples were analyzed for TPH-g and BTEX constituents per methods NWTPH-g and 8021B, respectively. Analytical results are summarized in Tables 5 and 6, and included in Attachment B.

WORK PROPOSED FOR NEXT QUARTER [First – 2008]:

- Replace existing SVE blower.
- Install an additional AS compressor to increase the pressure applied to the AS wells.
- Restart both the AS and SVE portions of the remediation system.
- Continue to monitor the system operational performance and perform routine operations and maintenance activities on a monthly basis.
- Continue to conduct bi-weekly EFR events through April 2008.
- Collect air and water samples from each of the applicable EFR wells on a monthly basis.
- Collect SVE influent, midpoint, and effluent air samples.

Current Phase of Project:	**Remediation**	**(Assessment, Remediation, etc.)**
Frequency of Sampling:	Monthly influent, midpoint, and effluent air samples	(Quarterly, etc.)
Frequency of Monitoring:	Quarterly GWM / monthly O&M	(Monthly, etc.)
LPH Present On-Site:	No	(Yes/No)
LPH Recovered This Quarter:	None	(Gallons)
LPH Recovered to Date:	43,632	(Gallons)
Water Wells or Surface Waters Within 1,000 ft Radius and Respective Directions (if known):	Lake Union (400 feet north)	(Distance and Direction)

Current Phase of Project:	Remediation	(Assessment, Remediation, etc.)
Current Remediation Techniques:	AS/SVE	(SVES, LPH Removal, etc.)
Permits for Discharge:	PSCAA No. 8905	(NPDES, POTW, etc.)
Approximate Depth to Groundwater:	2.54 to 15.46	(Feet)
Groundwater Gradient:	Southwest 0.03 feet/foot	(Bearing)
Maximum Air TPH-G/Benzene Concentrations:	TPH-g = 539 ppmV (MW-88) benzene = 0.179 ppmV (MW-48)	(ppmV)

ATTACHMENTS:

Figure 1: Site Location Map
Figure 2: Site Plan with AS/SVE System Layout
Figure 3: Site Map with Westlake and Terry Ave System Layouts

Table 1: SVE Unit and Vapor Treatment Operation Summary
Table 2: Air Sparge Unit Operational Summary
Table 3: Deep Air Sparge Unit Operational Summary
Table 4: EFR Field Data
Table 5: EFR Air Analytical Results
Table 6: EFR Water Analytical Results

Attachment A: AS/SVE Remediation System Operation and EFR Event Logs
Attachment B: Laboratory Analytical Reports and Chain-of-Custody Record

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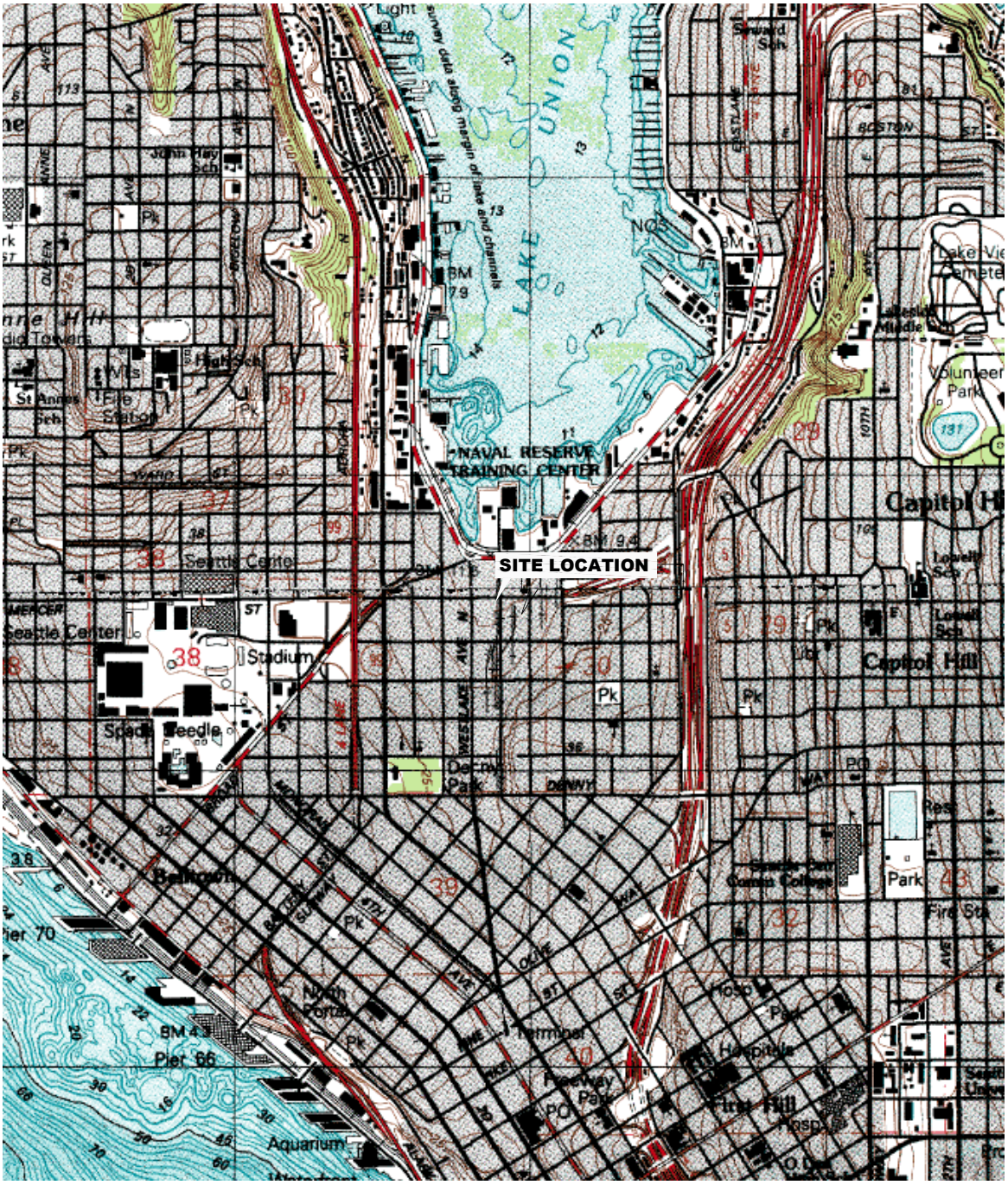
FIGURES



REFERENCE: USGS SEATTLE SOUTH (WA) QUADRANGLE; SEATTLE, WASHINGTON

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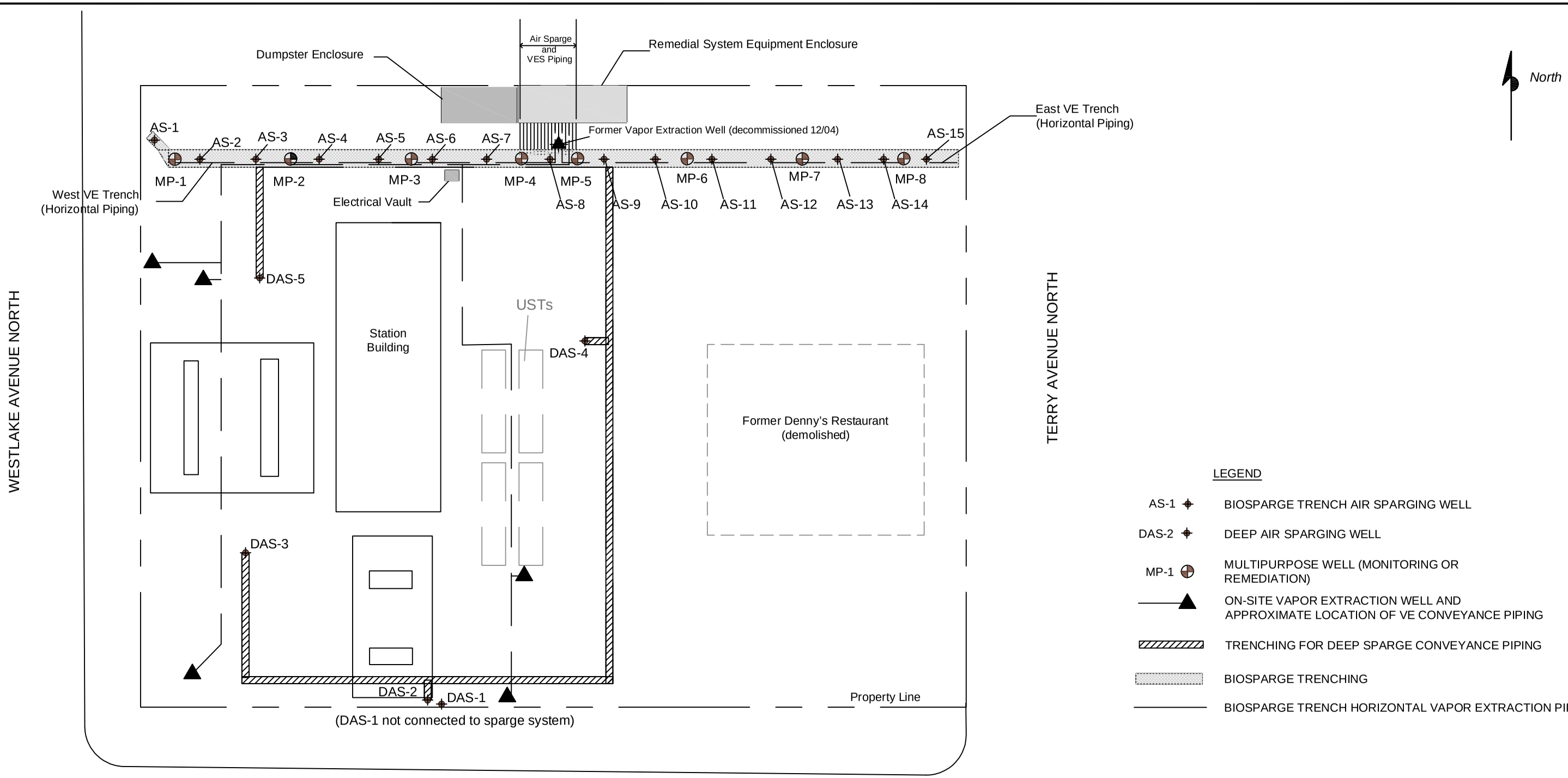
SITE LOCATION MAP

FIGURE: **1**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
01CP.01396.41	MLD	JY	JY	01/28/08



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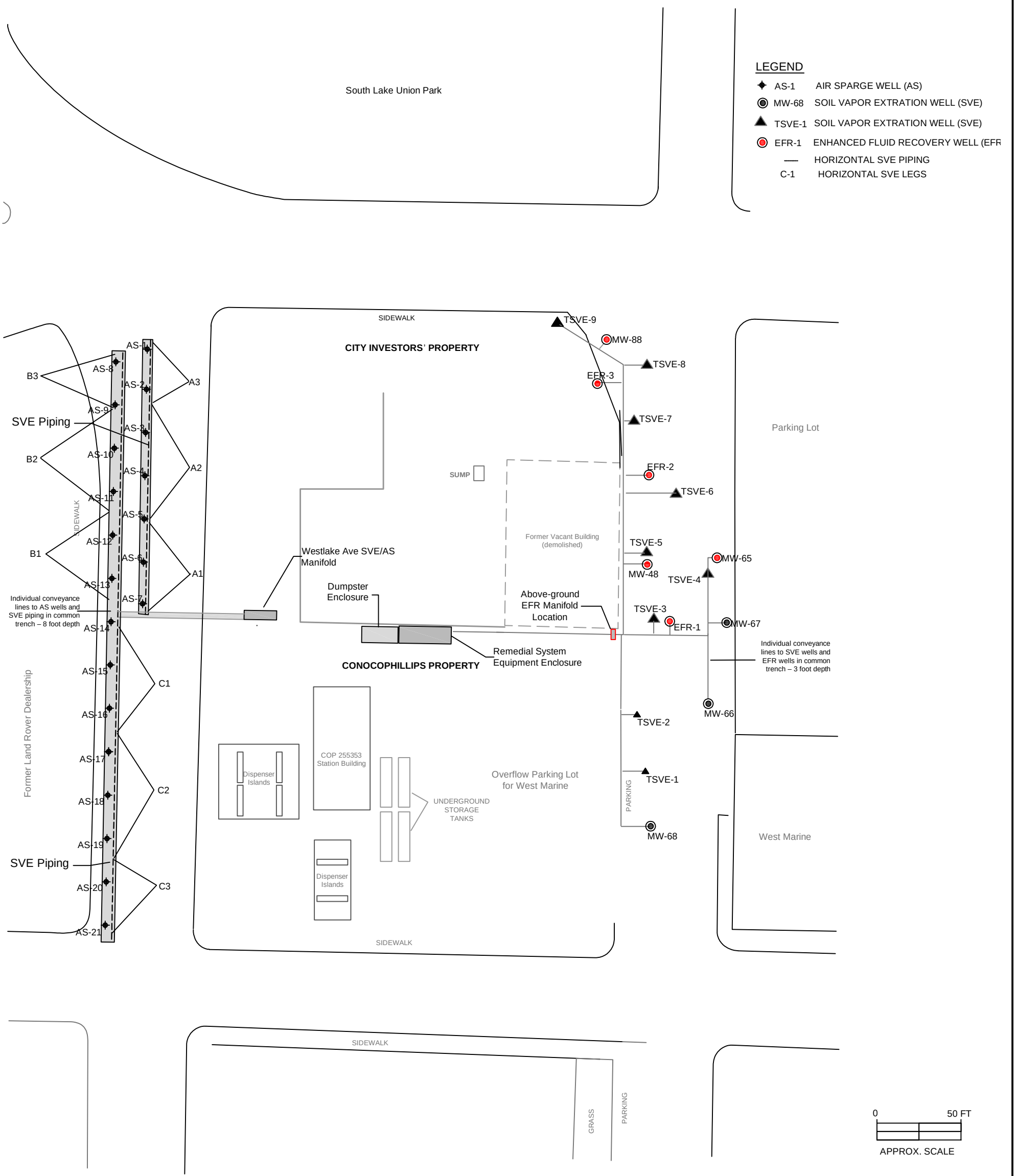
SITE PLAN WITH AS/SVE SYSTEM LAYOUT

FIGURE: **2**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:



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SITE MAP WITH WESTLAKE AND TERRY AVE. SYSTEM LAYOUTS

FIGURE: **3**

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01CP.01396.41	EMS	JY	JY	3/4/08

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TABLES

TABLE 1
SVE UNIT AND VAPOR TREATMENT OPERATION SUMMARY
ConocoPhillips Site No. 255353
600 Westlake Avenue North
Seattle, Washington

Date	Operational Time Since Last Event (days)	Power Reading (KWH)	Vapor Extraction Vacuum (inches H2O)	Average Flowrate [1] (SCFM)	Influent Petroleum Hydrocarbon Concentration [2] (ppm)	Petroleum Hydrocarbon Concentration Between Carbons [3] (ppm)	Emission Petroleum Hydrocarbon Concentration [4] (ppm)	Estimated Petroleum Hydrocarbons Removed During Operating Period [5] (pounds)
01/29/04	45 [6]	NM	3.0	192	1.2	0.0	0.0	4.2
02/28/04	30	32,432	3.0	192	1.2	0.0	0.0	2.8
03/30/04	31	35,592	3.0	192	2.7	0.2	0.0	6.4
04/28/04	29	38,516	3.5	183	0.1	0.1	0.1	0.2
05/27/04	29	41,465	3.5	183	9.8 [9]	0.1	0.1	20.9
06/22/04	26	44,045	3.5	183	4.2 [9]	0.1	0.1	8.0
07/22/04	30	47,097	3.5	183	17.9 [9]	11.1	1.8	39.4
08/16/04	23	49,449	3.5	183	6.4	0.2	0.1	10.8
09/21/04	26	52,907	3.7	175	10.5	0.3	0.2	19.2
10/28/04	37	58,559	3.5	183	14.1	5.4	1.1	38.3
11/22/04	25	62,578	3.5	183	4.9	0.1	0.0	9.0
12/17/04 [10]	25	66,601	4.0	175	10.7	6.6	2.3	18.8
01/27/05 [11]	21	70,013	4.0	175	1.0	0.6	0.0	1.5
02/17/05	21	73,083	4.0	175	28.9	15.8	0.0	42.6
03/17/05	28	76,709	3.5	183	0.1	0.0	0.0	0.2
04/15/05	29	80,613	3.5	183	4.6	4.2	2.2	9.8
05/11/05	27	84,069	3.5	183	1.7	1.1	0.3	3.4
06/21/05	41	90,727	3.5	183	0.3	3.4	0.0	0.9
08/23/05	63	99,562	4.0	175	45.2	26.9	0.0	200
09/30/05	37	104,474	4.0	183	9.3	0.0	0.0	25.3
10/25/05	25	107,068	4.0	175	11.1	13.0	9.7	19.5
11/30/05	36	109,918	4.0	175	14.1	14.4	0.2	35.6
12/19/05	19	113,376	4.0	175	14.8	14.1	0.1	19.7
12/30/05	11	13,376	4.0	175	14.8	13.7	0.1	11.4
03/28/06	0	14,245	4.0	175	14.4	22.6	14.1	0.0
04/27/06	30	19,313	4.0	120	25.9	26.4	NM	37.4
02/23/07	0	21,831	NM	140	1.0	0.0	0.0	0.0
03/21/07	27	28,495	4.0	279	1.0	0.1	0.7	3.0
04/24/07	34	49,994	4.0	87.3	2.42 [9]	0.0 [9]	NM	2.9
06/05/07	41	50,539	4.5	87.3	0.0 [9]	0.0 [9]	0.0 [9]	0.0
06/29/07	21	NM	4.5	87.3	151 [9]	10.5	18.0	111.1
07/31/07	32	68,120	4.3	87.3	0.0 [9]	0.0 [9]	5.59 [9]	0.0
08/30/07	30	77,018	4.0	87.3	3.37 [9]	0.0 [9]	NM	3.5
09/19/07 [12]	18	NM	NM	NM	NM	NM	NM	NM
10/04/07	NM	NM	NM	NM	NM	NM	NM	NM
10/24/07	NM	NM	NM	NM	NM	NM	NM	NM
11/26/07	System Down Upon Arrival Due To Knockout Drum High-Level							
12/20/07	System Down Upon Arrival Due To Blower Malfunction							
Total To Date	**1,054** [7]							**1,323** [8]
Total for 2007	**203**							**120.5**

Notes:
KWH = kilowatt-hours
SCFM = standard cubic feet per minute
ppm = parts per million
NM = not measured
[1] Flowrate calculated based on air velocity measurments through a 4-inch pipe, recorded in the field.
[2] Influent petroleum hydrocarbon concentrations based on field measurements using a photoionization detector (PID), unless otherwise indicated.
[3] Concentrations between carbon units based on field measurements using a PID, unless otherwise indicated.
[4] Effluent concentrations based on field measurements using a PID, unless otherwise indicated.
[5] Hydrocarbons removed during each operating period estimated using influent concentration, average flowrate, and operational time period.
[6] Operation and maintenance of the remedial system was performed on 12/15/03 by the previous consultant. Delta assumed operation and maintenance of the system during January 2004.
[7] Total operational time to date includes 107.1 days operated by previous consultant, from system startup on 8/20/03 through 12/15/03.
[8] Total estimated petroleum hydrocarbons removed to date includes 616.9 pounds reportedly removed by previous consultant, from system startup on 8/20/03 through 12/15/03.
[9] Petroleum hydrocarbon concentration from laboratory analysis.
[10] At the request of ConocoPhillips, the remedial system was shut down upon departure of the site on 12/17/04, to be restarted at a later date.
[11] At the request of ConocoPhillips, the remedial system was restarted on 1/6/05.
[12] The on site remediation system was shut down so that the Westlake Avenue remediation well network could be temporarily connected to the on site system.

TABLE 2
AIR SPARGE UNIT OPERATIONAL SUMMARY
ConocoPhillips Site No. 255353
600 Westlake Avenue North
Seattle, Washington

Date	Header Pressure (psig)	Air Flowrates per Air Sparge Point (SCFM)														
		AS-1	AS-2	AS-3	AS-4	AS-5	AS-6	AS-7	AS-8	AS-9	AS-10	AS-11	AS-12	AS-13	AS-14	AS-15
01/29/04	5	11	12	12	10	11	12	13	8	8	3	<3	5	11	12	8
02/28/04	4	11	12	14	11	11	12	13	8	8	3	4	<3	10	11	9
03/30/04	5	11	12	14	11	12	12	14	8	8	<3	<3	<3	10	12	8
04/28/04	NM	10.5	11.5	14	10.5	11	11.5	13.5	8	7.5	<3	<3	<3	9	10.5	7
05/27/04	4.5	10	11	14	9	10	11	12	7	7	<3	<3	<3	5.5	9	7.5
06/22/04	4.5	11	11	14	10	11	11	12	12.5	11	<3	<3	<3	<3	10	8
07/22/04	4	12	13	16	11	12	12	13	8	5.5	<3	<3	<3	<3	10.5	8
08/16/04	4.5	10	11.5	16	9.5	11	12	10.5	8	5.5	<3	<3	<3	<3	9.5	10.5
09/21/04	4.5	10	10	11.5	8.5	9	9.5	11	6	4.5	<3	<3	4	<3	9.5	7
10/28/04	4.5	9.5	10	11.5	9.5	9	9.5	10.5	5.5	4	<3	<3	<3	<3	10	6
11/22/04	4.5	8.5	10	10.5	9	9	9.5	10.5	5	3.5	<3	<3	<3	<3	8	6
12/17/04[1]	4.5	8.0	8.7	9.7	7.8	7.5	8.5	9.5	4	3.2	<3	<3	<3	<3	10	7
01/27/05[2]	4.5	8.0	8.7	9.5	7.6	7.5	8.2	9.4	3.8	3.2	<3	<3	<3	<3	10	5
02/17/05	4.5	8.0	8.8	9.7	7.7	7.5	8.3	9.2	3.6	3	<3	<3	<3	<3	9.7	5
03/17/05	4.5	6.0	9.5	11.5	8.5	8	9	8	3	3	<3	<3	<3	<3	10	<3
04/15/05	5	8.0	9	11	8	8	8.5	4	<3	<3	<3	<3	<3	<3	9	4.5
05/11/05	5	8.2	9	11.5	8	8	8.5	3	<3	<3	<3	<3	<3	<3	8.5	3
06/21/05	7	5.0	4.5	5	4.5	3	3.5	3.5 E	9	5 E	<3	<3	<3 E	<3	5.5	5 E
08/23/05	7	5.0	5	5.5	5	1	1	1	7	6	1	1	1	0	4	9
09/30/05	8	5.5	5.5	7	6	3	<3	<3E	5.5	6.5	<3	<3	<3	<3	4	<3
10/25/05	8.5	<3	5	6	5.5	<3	<3	<3	5.5	7.5	<3	<3	4E	<3	4	<3
11/30/05	2.2	14.0	8	4E	7.5	<3	3E	<3	5E	7.5E	-	<3	<3	<3	5.5	<3
12/30/05	4.2	13.5	10	<3	8	<3	<3	<3	<3	7	<3	<3	<3	<3	5.5	<3
03/28/06	4	8.5	3.2	2	4.2	2.5	2.5	2	2.5	3.8	3.8	8.6	4.8	5.8	4	2.5
04/27/06	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO
02/23/07	3	7	7	0	4.5	0	3.5	0	10	14.5	0	0	0	0	8	0
03/21/07	6	15	10	4	7	0	6	0	7	10	5.5	2.5	4.5	2	12	2
04/24/07	5	15.5	10	0	7	0	0	0	5.5	9	0	0	0	0	9	0
06/05/07	5	15	10	2.5	6	0	0	0	5	10	0	0	0	0	10	0
06/29/07	5	16	10	0	7	0	0	0	5	11	0	0	0	0	10	0
07/31/07	5	14.5	7.75	2	4	2	2	1.5	3.75	9	1.5	1.5	1.5	1.5	9.5	1.5
08/30/07	5.5	13	8	1.5	10	1.5	2	1.5	3	9	1.5	1.5	1.5	1.5	9	1.5
09/19/07	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO

TABLE 2
AIR SPARGE UNIT OPERATIONAL SUMMARY
ConocoPhillips Site No. 255353
600 Westlake Avenue North
Seattle, Washington

Date	Header Pressure (psig)	Air Flowrates per Air Sparge Point (SCFM)														
		AS-1	AS-2	AS-3	AS-4	AS-5	AS-6	AS-7	AS-8	AS-9	AS-10	AS-11	AS-12	AS-13	AS-14	AS-15
10/01/07	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
10/24/07	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/26/07	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO
12/20/07	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO
Average:	**4.9**	**10.3**	**9.1**	**8.5**	**7.8**	**6.3**	**6.8**	**7.0**	**6.2**	**7.0**	**1.8**	**1.9**	**2.0**	**4.0**	**8.7**	**4.7**

Notes:
psig = pounds per square inch, gauge
SCFM = standard cubic feet per minute
NIO = not in operation
NM = not measured

[1] At the request of ConocoPhillips, the remedial system was shut down upon departure of the site on 12/17/04, to be restarted at a later date.
[2] At the request of ConocoPhillips, the remedial system was restarted on 1/6/05.

TABLE 3
DEEP AIR SPARGE UNIT OPERATIONAL SUMMARY
ConocoPhillips Site No. 255353
600 Westlake Avenue North
Seattle, Washington

Date	Header Pressure (psig)	Air Flowrates per Air Sparge Point (SCFM)				
		DAS-1	DAS-2	DAS-3	DAS-4	DAS-5
01/29/04	NIO	NIO	NIO	NIO	NIO	NIO
02/28/04	12	NIO	3	5	3.5	<3
03/30/04	NIO	NIO	NIO	NIO	NIO	NIO
04/28/04	NIO	NIO	NIO	NIO	NIO	NIO
05/27/04	NIO	NIO	NIO	NIO	NIO	NIO
06/22/04	NIO	NIO	NIO	NIO	NIO	NIO
07/22/04	NIO	NIO	NIO	NIO	NIO	NIO
08/16/04	NIO	NIO	NIO	NIO	NIO	NIO
09/21/04	NIO	NIO	NIO	NIO	NIO	NIO
09/22/04[1]	10.5*	NIO	5*	22*	4*	7*
10/28/04	10.5	NIO	5	22	4	7
11/22/04	10.5	NIO	6	5.5	4	7.5
12/17/04[2]	11	NIO	6.5	3.5	4	6.5
01/27/05[3]	11	NIO	6.5	4	<3	5
02/17/05	11.5	NIO	7.5	4 E	4 E	4 E
03/17/05	13.5	NIO	4	<3	<3	5
04/15/05	11.5	NIO	9	3 E	3 E	4 E
05/11/05	11.5	NIO	9.2	3	<3 E	5 E
06/21/05	14.5	NIO	4.5	3.5 E	3 E	6.5
08/23/05	NM	NIO	NM	NM	NM	NM
09/30/05	16.5	NIO	5.5	3.5	<3	<3
10/25/05	13.5	NIO	5	3.5	6	5
11/30/05	12.5	NIO	6	7	<3	13
12/30/05	NIO	NIO	NIO	NIO	NIO	NIO
03/28/06	NIO	NIO	NIO	NIO	NIO	NIO
04/27/06	11.5	NIO	7	5	5	14.75
02/23/07	12.5	NIO	7	3	3	17
03/21/07	13.5	NIO	7.5	3.5	5.5	7.5
04/24/07	12	NIO	7	9	6	7
06/05/07	12.5	NIO	6.5	8.5	4	7
06/29/07	13	NIO	5	7	3.5	8
07/31/07	13	NIO	3	7.5	4.5	8
08/30/07	12.6	NIO	4	7	5	8
09/19/07	NM	NM	NM	NM	NM	NM
10/01/07	NM	NM	NM	NM	NM	NM
10/24/07	NM	NM	NM	NM	NM	NM
11/26/07	NIO	NIO	NIO	NIO	NIO	NIO
12/20/07	NIO	NIO	NIO	NIO	NIO	NIO

TABLE 3
DEEP AIR SPARGE UNIT OPERATIONAL SUMMARY
ConocoPhillips Site No. 255353
600 Westlake Avenue North
Seattle, Washington

Notes:

psig = pounds per square inch, gauge
SCFM = standard cubic feet per minute
NIO = not in operation
NM = not measured
E = Erratic readings
* Estimated value
[1] The DAS system was modified and restarted on 9/22/04. DAS pressure and flowrates are estimated based on values recorded during fourth quarter monitoring in October 2004.
[2] At the request of ConocoPhillips, the remedial system was shut down upon departure of the site on 12/17/04, to be restarted at a later date.
[3] At the request of ConocoPhillips, the remedial system was restarted on 1/6/05.

TABLE 4
EFR FIELD DATA
CONOCOPHILLIPS SITE 255353
600 WESTLAKE AVENUE N
SEATTLE, WA

Date	Time	EFR-1		EFR-2		EFR-3		MW-48		MW-65		MW-88		Total Gallons of Water Removed During Event
		Vacuum (In. Hg)	VOCs (ppmV)	Vacuum (In. Hg)	VOCs (ppmV)	Vacuum (In. Hg)	VOCs (ppmV)	Vacuum (In. Hg)	VOCs (ppmV)	Vacuum (In. Hg)	VOCs (ppmV)	Vacuum (In. Hg)	VOCs (ppmV)	
10/24/2007	8:30	3	NR	3	NR	3	NR	NA	NA	NA	NA	NA	NA	511
	12:30	NA	NA	NA	NA	NA	NA	3	NR	3	NR	3	NR	
11/15/2007	9:00	4.4	NR	4.4	NR	4.4	NR	NA	NA	NA	NA	NA	NA	1018
	11:00	4.4	0.0	4.4	0.0	4.4	0.0	NA	NA	NA	NA	NA	NA	
	13:00	NA	NA	NA	NA	NA	NA	6.3	3.2	6.3	5.2	6.3	175	
11/29/2007	9:15	5.9	0.3	5.5	0.1	5.5	0.2	NA	NA	NA	NA	NA	NA	1425
	13.15	NA	NA	NA	NA	NA	NA	6.6	3.7	6.6	1.7	6.3	14.8	
	15:00	NA	NA	NA	NA	NA	NA	6.6	2.5	6.6	1.7	6.3	5.8	
12/13/2007	9:00	6.3	0.5	6.3	0.6	6.3	0.5	NA	NA	NA	NA	NA	NA	1636
	12:30	6.3	0.4	6.3	0.0	6.3	0.0	NA	NA	NA	NA	NA	NA	
	13:00	NA	NA	NA	NA	NA	NA	NR	1.5	NR	0	NR	5.6	
12/27/2007	8:10	NA	NA	NA	NA	NA	NA	6.6	1.2	6.6	3.7	6.6	10.1	1769
	10:02	NA	NA	NA	NA	NA	NA	6.4	0.5	6.4	1.2	6.4	9.7	
	12:01	NA	NA	NA	NA	NA	NA	6.7	0	6.7	0.5	6.7	9.8	
	12:12	6.4	5.7	6.5	1.2	6.4	0.5	NA	NA	NA	NA	NA	NA	
	14:11	6.1	4.7	6.2	0.1	6.1	0	NA	NA	NA	NA	NA	NA	
	16.:22	6.3	NR	6.3	NR	6.2	NR	NA	NA	NA	NA	NA	NA	

Notes:
In. Hg = Inches of Mercury Vacuum
VOCs - Volatile Organic Compounds measured using a Photo-ionization detector. VOCs are measured in parts per millions volume
NA - Not Applicable. Extraction not conducted at this well, during this event.
NR - Not recorded

TABLE 5
EFR AIR ANALYTICAL RESULTS
CONOCOPHILLIPS SITE 255353
600 WESTLAKE AVENUE N
SEATTLE, WA

Well	Date	TPH-g (ppmV)	Benzene (ppmV)	Toluene (ppmV)	Ethylbenzene (ppmV)	Total Xylenes (ppmV)
EFR-1	11/15/2007	<2.36	<2	<2	<2	<6
	12/13/2007	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
EFR-2	11/15/2007	<2.36	<2	<2	<2	<6
	12/13/2007	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
EFR-3	11/15/2007	<5.9	<2	<2	<2	<6
	12/13/2007	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
MW-48	11/15/2007	6.02	<2	<2	<2	<6
	12/13/2007	2.55	0.179	0.0458	0.144	0.300
MW-65	11/15/2007	3.21	<2	<2	<2	<6
	12/13/2007	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
MW-88	11/15/2007	539	<2	<2	<2	<6
	12/13/2007	7.98	0.0682	0.0792	0.532	0.596

Notes:
ppmV = parts per million Volume
< - Analytical results were below the reported detection limits
NA - Not Applicable
NR - Not recorded

TABLE 6
EFR WATER ANALYTICAL RESULTS
CONOCOPHILLIPS SITE 255353
600 WESTLAKE AVENUE N
SEATTLE, WA

Well	Date	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
EFR-1	11/15/2007	<50	<0.500	<0.500	<0.500	<3.00
	12/13/2007	<50	<0.500	<0.500	<0.500	<1.00
EFR-2	11/15/2007	<50	<0.500	<0.500	<0.500	<3.00
	12/13/2007	<50	<0.500	<0.500	<0.500	<1.00
EFR-3	11/15/2007	<50	<0.500	<0.500	<0.500	<3.00
	12/13/2007	<50	<0.500	<0.500	<0.500	<1.00
MW-48	11/15/2007	223	1.13	6.69	<0.500	7.02
	12/13/2007	262	6.02	1.84	6.85	19.0
MW-65	11/15/2007	52.0	<0.500	0.640	<0.500	<3.00
	12/13/2007	<50	<0.500	<0.500	<0.500	<1.00
MW-88	11/15/2007	2,980	2.00	19.6	<0.500	54.5
	12/13/2007	893	2.05	<0.500	42.9	55.0

Notes:
(µg/L) = micrograms per liter
< - Analytical results were below the reporting limits .
NA - Not Applicable
NR - Not recorded

ATTACHMENT A
AS/SVE Remediation System Operation and EFR Event Logs

ConocoPhillips Company Facility Number 255353
600 Westlake Avenue North
Seattle, Washington

Delta Environmental Consultants, Inc.
Daily Field Log

Project Name Westlake
Project No. WA25535
Date 10/24/07
Location 600 Westlake
Delta Representative: Javan Ruark

Field Log:

8:00 arrive onsite. Emerald + H_2Oil already here. Sign H+S plan

8:30 Began Vacum on EFR Wells 1,2,3 for 4 hours

9:00 Matt from Secor arrived on site, signed H+S plan. Showed him how to Hook up EFR + how to sample
Scott from H_2Oil said that there might be H_2O or particulates in 1st carbon vessel + that might be causing the thermals to trip.

10:30 Kipp arrived onsite
11:30 Elisabeth arrived onsite Kipp left
12:30 Pulled 101 gal from EFR wells 1,2,3
Began vac on 82,46,+65 EFR wells
Sampled 1,2,3 EFR Wells
13:00 H_2O left
16:30 Finished O+M + Emerald left site
16:40 Left site

Initials: JR

Page 1 of 1

Conoco Phillips

WESTLAKE EFR FIELD SHEET

WA255-3516-1

DELTA PROJECT #	WA255316	**SAMPLING LOCATION**	600 Westlake Ave. N, Seattle, WA
PROJECT MANAGER	Elisabeth Silver	**MEASURING DEVICE**	PID, Air Pump
RECORDED BY	Dawn Ruark	**DATE(S)**	10/24/07

EFR Well: 1, 2, 3

Time	Applied Vacuum (" Hg)	Wellhead Vacuum (" H2O / " Hg)	Temp. (°F)	PID (ppm)	Comments
8:30-	3				101 gal. removed
12:30					3 Vacs Taken per EFR Well

COMMENTS

Conoco Phillips | WESTLAKE EFR FIELD SHEET | WA255-3516-1

DELTA PROJECT #	Westlake	**SAMPLING LOCATION**	600 Westlake Ave. N, Seattle, WA
PROJECT MANAGER	Elisabeth Silver	**MEASURING DEVICE**	PID, Air Pump
RECORDED BY	Jarran Ruark	**DATE(S)**	10/24/07

EFR Well: 88, 46, 65

Time	Applied Vacuum (" Hg)	Wellhead Vacuum (" H2O / " Hg)	Temp. (°F)	PID (ppm)	Comments
12:30	3				410 gal. Removed
4:30					3 vacs taken per well

COMMENTS

SECOR

Field Report

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FIELD OFFICE:	DATE	PAGE	CLIENT
001	11/15/07	1	COP
	PROJECT NO.	TASK NO.	SUBCONTRACTOR
TO:	5353		Emerald Services
	LOCATION		
	WSM Seattle		
	WEATHER		TEMP.
	Raining		50°

CHRONOLOGY OF FIELD ACTIVITIES/ISSUES/OBSERVATIONS

730 - Onsite. Walked Site. prepped For EFR.
830 - Meredith Onsite. Vac Truck onsite.
- conducted H&S Meeting.
- System down upon Arrival. AWS Arrived.
900 - Began Vacuing. Joan onsite.
- Began Site walk.
- Vac Truck Pulling From Wells 1, 2, 3 @ 60" H_2O VAC.
1100 - Meredith and Joan offsite.
- Took water SAMPLES From EFR-1 @ 1120, EFR-2 @ 1130, and EFR-3 @ 1115
- PID readings For wells 1, 2, 3 were 0.0 For all.
1230 - Took Air SAMPLES EFR-1 @ 1230, EFR-2 @ 1235, and EFR-3 @ 1240.
1300 - Switched To MW-88, MW-46, and MW-65 @ 85" H_2O
1310 - Took water SAMPLES MW-88 @ 1310, MW-46 @ 1315, and MW-65 @ 1317.
1320 - Took air samples MW-88 @ 1320, MW-46 @ 1323, and MW-65 @ 1327.
- PID readings were as Follows: MW88 @ 175 PPM, MW-46 @ 3.2 PPM, and MW-65 @ 5.2 PPM.

EQUIPMENT USED:	SUBCONTRACTOR HOURS:	STAFF HOURS:
MILEAGE:	REVIEWED BY:	
CC:	PREPARED BY:	

SECOR

Field Report

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FIELD OFFICE:	DATE 11/15/07	PAGE 2	CLIENT COP
	PROJECT NO. 5353	TASK NO.	SUBCONTRACTOR Emerald Services
TO:	LOCATION W 3rd Seattle		
	WEATHER Raining		TEMP. 50°

CHRONOLOGY OF FIELD ACTIVITIES/ISSUES/OBSERVATIONS

- 1500 - Meredith onsite to pick up samples.
- 1700 - Finished Vacuing
- Vacuumed out KO drum & restarted system.

1730 MJ offsite.

EQUIPMENT USED:	SUBCONTRACTOR HOURS:	STAFF HOURS:
MILEAGE:	REVIEWED BY:	
CC:	PREPARED BY:	

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№ 41284

BILL OF LADING AND GALLONAGE TICKET

SHIPPER/GENERATOR	CONTACT	JOB #
ADDRESS	PHONE#	LOAD #
CITY, STATE, ZIP		DATE
CARRIER	PHONE#	DOCUMENT #
CONSIGNEE	CONTACT	TRUCK #
ADDRESS	PHONE#	PRODUCT TYPE
CITY, STATE, ZIP		EST. GALLONS

HM	ITEM #	U.S. DOT DESCRIPTION	#	TYPE	QTY.
	A				
	B				
	C				
	D				

A. WPQ # _____ DISP. CODE: _____ C. WPQ # _____ DISP. CODE: _____

B. WPQ # _____ DISP. CODE: _____ D. WPQ # _____ DISP. CODE: _____

DISPOSAL

DUMP DELAY TIME _____

WASH OUT: YES ( ) NO ( ) TIME IN _____ TIME OUT _____

E. WATER _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

F. SOLIDS _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

_____ % SUSPENDED SOLIDS BY CENTRIFUGE + _____ GALS SEDIMENT

G. OIL/DIESEL/GAS _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

HOC'S _____ PCB'S _____ B.S.&W. _____ API _____ LAB: Y / N

Shipper's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway, vessel and rail according to applicable international and national government regulations and this material is not regulated as a hazardous waste in accordance with WAC 173-303, 40 CFR. Part 261 or 40 CFR Part 761.

X _____ SHIPPER (PRINT NAME)	X _____ SIGNATURE	DATE: _____
X _____ CARRIER - DRIVER 1 (PRINT NAME)	X _____ SIGNATURE	DATE: _____
X _____ CARRIER - DRIVER 2 (PRINT NAME)	X _____ SIGNATURE	DATE: _____
X _____ CONSIGNEE (PRINT NAME)	X _____ SIGNATURE	DATE: _____

SECOR

Field Report

GEO-301
Page 1 of 1
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FIELD OFFICE:	DATE 11/29/07	PAGE 1	CLIENT
	PROJECT NO. 5353	TASK NO.	SUBCONTRACTOR Emerald Services
TO:	LOCATION Seattle, WA		
	WEATHER Cloudy		TEMP. 42° F

CHRONOLOGY OF FIELD ACTIVITIES/ISSUES/OBSERVATIONS

- 740 - ONSITE.
900 - Emerald Services onsite. Conducted H&S Meeting
915 - Began Vacing on wells MW-1, 2, 3.
- Vac on each well were MW-1 @ 80" H_2O, MW-2 @ 75", and MW-3 @ 75".
1000 - PID reading as follows: MW-1 @ 0.3 ppm, MW-2 @ 0.1, and MW-3 @ 0.2.
1315 - Switched to MW-88, 46, 65. Vac readings are as follows: MW-88 @ 85" H_2O, MW-46 @ 90", and MW-65 @ 90".
- PID readings are as follows: MW-88 @ 14.8, MW-46 @ 3.7, and MW-65 @ 1.7.
1500 - PID readings as follows: MW-88 @ 5.8 ppm, MW-46 @ 2.5, and MW-65 @ 1.7.
1715 - Finished VAccing.
- Vacced out KO drum. Cleaned up.

EQUIPMENT USED:	SUBCONTRACTOR HOURS:	STAFF HOURS:
MILEAGE:	REVIEWED BY:	
CC:	PREPARED BY:	

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№ 40722

BILL OF LADING AND GALLONAGE TICKET

SHIPPER/GENERATOR	CONTACT	JOB #
ADDRESS	PHONE#	LOAD # 1
CITY, STATE, ZIP		DATE
CARRIER	PHONE#	DOCUMENT #
CONSIGNEE	CONTACT	TRUCK #
ADDRESS	PHONE#	PRODUCT TYPE
CITY, STATE, ZIP		EST. GALLONS

HM	ITEM #	U.S. DOT DESCRIPTION	#	TYPE	QTY.
	A		1	TT	1,425
	B				
	C				
	D				

A. WPQ # _____ DISP. CODE: _____ C. WPQ # _____ DISP. CODE: _____

B. WPQ # _____ DISP. CODE: _____ D. WPQ # _____ DISP. CODE: _____

DISPOSAL

DUMP DELAY TIME _____

WASH OUT: YES ( ) NO ( ) TIME IN _____ TIME OUT _____

E. WATER _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

F. SOLIDS _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

_____ % SUSPENDED SOLIDS BY CENTRIFUGE + _____ GALS SEDIMENT

G. OIL/DIESEL/GAS _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

HOC'S _____ PCB'S _____ B.S.&W. _____ API _____ LAB: Y / N

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X _____ SHIPPER (PRINT NAME) X _____ SIGNATURE DATE: _____

X _____ CARRIER - DRIVER 1 (PRINT NAME) X _____ SIGNATURE DATE: _____

X _____ CARRIER - DRIVER 2 (PRINT NAME) X _____ SIGNATURE DATE: _____

X _____ CONSIGNEE (PRINT NAME) X _____ SIGNATURE DATE: _____

SECOR

Field Report

GEO-301
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FIELD OFFICE:	DATE 12/13/07	PAGE 1	CLIENT COP
	PROJECT NO. 5353	TASK NO. EFR	SUBCONTRACTOR Emerald Services
TO:	LOCATION Seattle, WA		
	WEATHER cloudy		TEMP. 40° F

CHRONOLOGY OF FIELD ACTIVITIES/ISSUES/OBSERVATIONS

800 - Onsite w/ Rich From Emerald Services
- Reviewed HASP & PTW Form.
- Rich Forgot his hard hat. I sent him offsite to get it.
850 - Rich onsite. Began Setting up.
900 - Began Vacuing on EFR-1 @ 85" H_2O, EFR-2 @ 85" H_2O, and EFR-3 @ 85 "H_2O.
930 - PID Readings: EFR-1 @ 0.5 PPM, EFR-2 @ 0.6 PPM, and EFR-3 @ 0.5 PPM.
1000 - Mike Phillips onsite to Perform SAFe.
1230 - PID readings: EFR-1 @ 0.4, EFR-2 @ 0.0, EFR @ 0.0
1240 Began Sampling: EFR-1 @ 1240, EFR-2 @ 1245, EFR-3 @ 1250
1300 - Switched over To MW-88, MW-46, and MW-65.
1325 - Began SAMPling: MW-88 @ 1325, MW-46 @ 1330, and MW-65 @ 1335.
1400 - JOC onsite To Take SAMPles to lab.
- PID readings: MW-88 @ 5.6, MW-46 @ 1.5, MW-65 @ 0.0
1700 - Stopped Vacuing.
- Vaced Water From KO drum.
- System would NOT restart.
1720 - OFFSITE.

EQUIPMENT USED:	SUBCONTRACTOR HOURS:	STAFF HOURS:
MILEAGE:	REVIEWED BY:	
CC:	PREPARED BY:	

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№ 41020

BILL OF LADING AND GALLONAGE TICKET

SHIPPER/GENERATOR	CONTACT	JOB #
ADDRESS	PHONE#	LOAD #
CITY, STATE, ZIP		DATE
CARRIER	PHONE#	DOCUMENT #
CONSIGNEE	CONTACT	TRUCK #
ADDRESS	PHONE#	PRODUCT TYPE
CITY, STATE, ZIP		EST. GALLONS 3K

HM	ITEM #	U.S. DOT DESCRIPTION	#	TYPE	QTY.
1	A		1	FT	1636
	B				
	C				
	D				

A. WPQ # _____ DISP. CODE: _____ C. WPQ # _____ DISP. CODE: _____

B. WPQ # _____ DISP. CODE: _____ D. WPQ # _____ DISP. CODE: _____

DISPOSAL

DUMP DELAY TIME _____

WASH OUT: YES ( ) NO ( ) TIME IN _____ TIME OUT _____

E. WATER _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

F. SOLIDS _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

_____ % SUSPENDED SOLIDS BY CENTRIFUGE + _____ GALS SEDIMENT

G. OIL/DIESEL/GAS _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

HOC'S _____ PCB'S _____ B.S.&W. _____ API _____ LAB: Y / N

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X _____ SHIPPER (PRINT NAME) X _____ SIGNATURE DATE: _____

X _____ CARRIER - DRIVER 1 (PRINT NAME) X _____ SIGNATURE DATE: _____

X _____ CARRIER - DRIVER 2 (PRINT NAME) X _____ SIGNATURE DATE: _____

X _____ CONSIGNEE (PRINT NAME) X _____ SIGNATURE DATE: _____

WestLake Bi-Monthly EFR Event Data Table
DATE: 12/27/2007 Joe Rounds

Well ID	Time	Vaccuum in W.C.	VOC's PID (PPM)	AIR Sample @	Water Sample @
EFR-1	12:12	87	5.7		
EFR-2	12:14	89	1.2		
EFR-3	12:17	87	0.5		
EFR-1	14:11	83	4.7		
EFR-2	14:13	84	0.1		
EFR-3	14:16	83	0.0		
EFR-1	16:22	85			
EFR-2	16:25	85			
EFR-3	16:27	84			
EFR-1					
EFR-2					
EFR-3					
MW-88	8:10	90	10.1		
MW-46	8:12	90	1.2		
MW-65	8:15	90	3.7		
MW-88	10:02	82	9.7		
MW-46	10:07	87	0.5		
MW-65	10:09	87	1.2		
MW-88	12:01	91	9.8		
MW-46	12:04	91	0.0		
MW-65	12:07	91	0.5		
MW-88					
MW-46					
MW-65					

No measurements w/PID, season failed

Onsite at 7:30
perform tail gate with Emerald services
7:55 hookup to manifold and setup to start
8:10 start on MW-88, MW-46, MW-65
12:12 change to EFR-1, EFR-2, EFR-3
16:55 stop extraction and unhook hose from manifold
17:20 leave site.

№ 41086

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BILL OF LADING AND GALLONAGE TICKET

SHIPPER/GENERATOR	CONTACT	JOB #
ADDRESS	PHONE#	LOAD # 1
CITY, STATE, ZIP		DATE
CARRIER	PHONE#	DOCUMENT #
CONSIGNEE	CONTACT	TRUCK #
ADDRESS	PHONE#	PRODUCT TYPE
CITY, STATE, ZIP		EST. GALLONS

HM	ITEM #	U.S. DOT DESCRIPTION	#	TYPE	QTY.
	A		1		
	B				
	C				
	D				

A. WPQ # _____ DISP. CODE: _____ C. WPQ # _____ DISP. CODE: _____

B. WPQ # _____ DISP. CODE: _____ D. WPQ # _____ DISP. CODE: _____

DISPOSAL

DUMP DELAY TIME _____

WASH OUT: YES ( ) NO ( ) TIME IN _____ TIME OUT _____

E. WATER _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

F. SOLIDS _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

_____ % SUSPENDED SOLIDS BY CENTRIFUGE + _____ GALS SEDIMENT

G. OIL/DIESEL/GAS _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

HOC'S _____ PCB'S _____ B.S.&W. _____ API _____ LAB: Y / N

Shipper's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway, vessel and rail according to applicable international and national government regulations and this material is not regulated as a hazardous waste in accordance with WAC 173-303, 40 CFR. Part 261 or 40 CFR Part 761.

X _____ SHIPPER (PRINT NAME)	X _____ SIGNATURE	DATE:
X _____ CARRIER - DRIVER 1 (PRINT NAME)	X _____ SIGNATURE	DATE:
X _____ CARRIER - DRIVER 2 (PRINT NAME)	X _____ SIGNATURE	DATE:
X _____ CONSIGNEE (PRINT NAME)	X _____ SIGNATURE	DATE:

ATTACHMENT B
LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORD

ConocoPhillips Company Facility Number 255353
600 Westlake Avenue North
SEATTLE, WASHINGTON

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

February 25, 2008

Matthew Davis
Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond, WA/USA 98073

RE: Westlake & Mercer

Enclosed are the results of analyses for samples received by the laboratory on 11/15/07 15:50. The following list is a summary of the Work Orders contained in this report, generated on 02/25/08 14:08.

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

Work Order	Project	ProjectNumber
BQK0215	Westlake & Mercer	None

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	None	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	02/25/08 14:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFR-1	BQK0215-01	Air	11/15/07 12:30	11/15/07 15:50
EFR-2	BQK0215-02	Air	11/15/07 12:35	11/15/07 15:50
EFR-3	BQK0215-03	Air	11/15/07 12:40	11/15/07 15:50
MW-46	BQK0215-04	Air	11/15/07 13:23	11/15/07 15:50
MW-65	BQK0215-05	Air	11/15/07 13:27	11/15/07 15:50
MW-88	BQK0215-06	Air	11/15/07 13:20	11/15/07 15:50

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	None	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	02/25/08 14:08

Gasoline Hydrocarbons (Benzene to Napthalene) and BTEX in Air by NWTPH-G and EPA 8021B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQK0215-01 (EFR-1)		**Air**			**Sampled: 11/15/07 12:30**					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	-----	10.0	mg/m³ Air	1x	7K16021	11/16/07 12:17	11/17/07 00:18	C
Gasoline Range Hydrocarbons (v/v)	"	ND	-----	2.36	ppmv	"	"	"	"	C
Surrogate(s): 4-BFB (FID)			*83.2%*		*70 - 150 %*	"			"	
BQK0215-02 (EFR-2)		**Air**			**Sampled: 11/15/07 12:35**					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	-----	10.0	mg/m³ Air	1x	7K16021	11/16/07 12:17	11/17/07 00:48	C
Gasoline Range Hydrocarbons (v/v)	"	ND	-----	2.36	ppmv	"	"	"	"	C
Surrogate(s): 4-BFB (FID)			*85.2%*		*70 - 150 %*	"			"	
BQK0215-03 (EFR-3)		**Air**			**Sampled: 11/15/07 12:40**					RL4
Gasoline Range Hydrocarbons	NWTPH Modified	ND	-----	25.0	mg/m³ Air	2.5x	7K16021	11/16/07 12:17	11/17/07 01:19	
Gasoline Range Hydrocarbons (v/v)	"	ND	-----	5.90	ppmv	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*94.2%*		*70 - 150 %*	*1x*			"	
BQK0215-04RE1 (MW-46)		**Air**			**Sampled: 11/15/07 13:23**					H
Gasoline Range Hydrocarbons	NWTPH Modified	**25.5**	-----	10.0	mg/m³ Air	1x	7K19042	11/19/07 12:11	11/19/07 14:49	
Gasoline Range Hydrocarbons (v/v)	"	**6.02**	-----	2.36	ppmv	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*87.8%*		*70 - 150 %*	"			"	
BQK0215-05RE1 (MW-65)		**Air**			**Sampled: 11/15/07 13:27**					H
Gasoline Range Hydrocarbons	NWTPH Modified	**13.6**	-----	10.0	mg/m³ Air	1x	7K19042	11/19/07 12:11	11/19/07 15:49	
Gasoline Range Hydrocarbons (v/v)	"	**3.21**	-----	2.36	ppmv	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*88.0%*		*70 - 150 %*	"			"	
BQK0215-06RE1 (MW-88)		**Air**			**Sampled: 11/15/07 13:20**					H2
Gasoline Range Hydrocarbons	NWTPH Modified	**2290**	-----	100	mg/m³ Air	10x	7K19042	11/19/07 12:11	11/19/07 16:19	
Gasoline Range Hydrocarbons (v/v)	"	**539**	-----	23.6	ppmv	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*105%*		*70 - 150 %*	*1x*			"	

TestAmerica Seattle

Sandra Yakamavich

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Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	None	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	02/25/08 14:08

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQK0215-01 (EFR-1)		**Air**				**Sampled: 11/15/07 12:30**				
Benzene	EPA 8260B	ND	-----	2.00	ppmv	1x	7K16009	11/16/07 09:26	11/16/07 13:04	
Ethylbenzene	"	ND	-----	2.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	2.00	"	"	"	"	"	
Toluene	"	ND	-----	2.00	"	"	"	"	"	
o-Xylene	"	ND	-----	2.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	4.00	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*114%*		*69 - 131 %*	"			"	
Toluene-d8			*108%*		*72 - 131 %*	"			"	
4-BFB			*100%*		*78 - 121 %*	"			"	
BQK0215-02 (EFR-2)		**Air**				**Sampled: 11/15/07 12:35**				
Benzene	EPA 8260B	ND	-----	2.00	ppmv	1x	7K16009	11/16/07 09:26	11/16/07 13:30	
Ethylbenzene	"	ND	-----	2.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	2.00	"	"	"	"	"	
Toluene	"	ND	-----	2.00	"	"	"	"	"	
o-Xylene	"	ND	-----	2.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	4.00	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*114%*		*69 - 131 %*	"			"	
Toluene-d8			*104%*		*72 - 131 %*	"			"	
4-BFB			*100%*		*78 - 121 %*	"			"	
BQK0215-03 (EFR-3)		**Air**				**Sampled: 11/15/07 12:40**				
Benzene	EPA 8260B	ND	-----	2.00	ppmv	1x	7K16009	11/16/07 09:26	11/16/07 16:20	
Ethylbenzene	"	ND	-----	2.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	2.00	"	"	"	"	"	
Toluene	"	ND	-----	2.00	"	"	"	"	"	
o-Xylene	"	ND	-----	2.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	4.00	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*114%*		*69 - 131 %*	"			"	
Toluene-d8			*107%*		*72 - 131 %*	"			"	
4-BFB			*99.4%*		*78 - 121 %*	"			"	

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Sandra Yakamavich

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Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	None	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	02/25/08 14:08

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQK0215-04 (MW-46)		**Air**			**Sampled: 11/15/07 13:23**					
Benzene	EPA 8260B	ND	-----	2.00	ppmv	1x	7K16009	11/16/07 09:26	11/16/07 16:45	
Ethylbenzene	"	ND	-----	2.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	2.00	"	"	"	"	"	
Toluene	"	ND	-----	2.00	"	"	"	"	"	
o-Xylene	"	ND	-----	2.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	4.00	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*118%*		*69 - 131 %*	"			"	
Toluene-d8			*106%*		*72 - 131 %*	"			"	
4-BFB			*98.2%*		*78 - 121 %*	"			"	
BQK0215-05 (MW-65)		**Air**			**Sampled: 11/15/07 13:27**					
Benzene	EPA 8260B	ND	-----	2.00	ppmv	1x	7K16009	11/16/07 09:26	11/16/07 17:13	
Ethylbenzene	"	ND	-----	2.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	2.00	"	"	"	"	"	
Toluene	"	ND	-----	2.00	"	"	"	"	"	
o-Xylene	"	ND	-----	2.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	4.00	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*115%*		*69 - 131 %*	"			"	
Toluene-d8			*105%*		*72 - 131 %*	"			"	
4-BFB			*98.4%*		*78 - 121 %*	"			"	
BQK0215-06 (MW-88)		**Air**			**Sampled: 11/15/07 13:20**					
Benzene	EPA 8260B	ND	-----	2.00	ppmv	1x	7K16009	11/16/07 09:26	11/16/07 17:59	
Ethylbenzene	"	ND	-----	2.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	2.00	"	"	"	"	"	
Toluene	"	ND	-----	2.00	"	"	"	"	"	
o-Xylene	"	ND	-----	2.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	4.00	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*124%*		*69 - 131 %*	"			"	
Toluene-d8			*106%*		*72 - 131 %*	"			"	
4-BFB			*97.0%*		*78 - 121 %*	"			"	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	None	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	02/25/08 14:08

Gasoline Hydrocarbons (Benzene to Napthalene) and BTEX in Air by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 7K16021 **Air Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7K16021-BLK1)							**Extracted: 11/16/07 12:17**							
Gasoline Range Hydrocarbons	NWTPH Modified	ND	---	10.0	mg/m³ Air	1x	--	--	--	--	--	--	11/16/07 15:30	
Gasoline Range Hydrocarbons (v/v)	"	ND	---	2.36	ppmv	"	--	--	--	--	--	--	"	
Benzene (v/v)	"	ND	---	0.0308	"	"	--	--	--	--	--	--	"	
Toluene (v/v)	"	ND	---	0.0261	"	"	--	--	--	--	--	--	"	
Ethylbenzene (v/v)	"	ND	---	0.0227	"	"	--	--	--	--	--	--	"	
Xylenes, total (v/v)	"	ND	---	0.0454	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	0.100	mg/m³ Air	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 81.0%*			*Limits: 70-150%*	"							*11/16/07 15:30*	
4-BFB (PID)		*101%*			*75-125%*	"							*"*	
LCS (7K16021-BS1)							**Extracted: 11/16/07 12:17**							
Gasoline Range Hydrocarbons	NWTPH Modified	65.1	---	10.0	mg/m³ Air	1x	--	100	65.1%	(50-150)	--	--	11/16/07 16:17	
Surrogate(s): 4-BFB (FID)		*Recovery: 76.0%*			*Limits: 70-150%*	"							*11/16/07 16:17*	
LCS (7K16021-BS2)							**Extracted: 11/16/07 12:17**							
Benzene	NWTPH Modified	2.30	---	0.100	mg/m³ Air	1x	--	2.00	115%	(50-150)	--	--	11/16/07 17:17	
Toluene	"	2.28	---	0.100	"	"	--	"	114%	"	--	--	"	
Ethylbenzene	"	2.12	---	0.100	"	"	--	"	106%	"	--	--	"	
Xylenes (total)	"	6.72	---	0.200	"	"	--	6.00	112%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 112%*			*Limits: 75-125%*	"							*11/16/07 17:17*	
LCS Dup (7K16021-BSD1)							**Extracted: 11/16/07 12:17**							
Gasoline Range Hydrocarbons	NWTPH Modified	84.2	---	10.0	mg/m³ Air	1x	--	100	84.2%	(50-150)	25.6%	(50)	11/16/07 16:47	
Surrogate(s): 4-BFB (FID)		*Recovery: 92.0%*			*Limits: 70-150%*	"							*11/16/07 16:47*	
LCS Dup (7K16021-BSD2)							**Extracted: 11/16/07 12:17**							
Benzene	NWTPH Modified	2.14	---	0.100	mg/m³ Air	1x	--	2.00	107%	(50-150)	7.21%	(50)	11/16/07 18:17	
Toluene	"	1.97	---	0.100	"	"	--	"	98.7%	"	14.4%	"	"	
Ethylbenzene	"	1.95	---	0.100	"	"	--	"	97.6%	"	8.17%	"	"	
Xylenes (total)	"	5.92	---	0.200	"	"	--	6.00	98.7%	"	12.7%	"	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 107%*			*Limits: 75-125%*	"							*11/16/07 18:17*	

TestAmerica Seattle

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Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	None	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	02/25/08 14:08

Gasoline Hydrocarbons (Benzene to Napthalene) and BTEX in Air by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 7K16021 **Air Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (7K16021-DUP1)					**QC Source: BQK0217-01**				**Extracted: 11/16/07 12:17**					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	---	10.0	mg/m³ Air	1x	ND	--	--	--	10.2%	(30)	11/16/07 20:47	
Gasoline Range Hydrocarbons (v/v)	"	ND	---	2.36	ppmv	"	ND	--	--	--	10.2%	"	"	
Benzene (v/v)	"	ND	---	0.0308	"	"	ND	--	--	--	NR	"	"	
Toluene (v/v)	"	ND	---	0.0261	"	"	ND	--	--	--	3.28%	"	"	
Ethylbenzene (v/v)	"	ND	---	0.0227	"	"	ND	--	--	--	37.2%	"	"	R4
Xylenes, total (v/v)	"	ND	---	0.0454	"	"	ND	--	--	--	21.7%	"	"	
Benzene	"	ND	---	0.100	mg/m³ Air	"	ND	--	--	--	NR	"	"	
Toluene	"	ND	---	0.100	"	"	ND	--	--	--	3.28%	"	"	
Ethylbenzene	"	ND	---	0.100	"	"	ND	--	--	--	37.2%	"	"	R4
Xylenes (total)	"	ND	---	0.200	"	"	ND	--	--	--	21.7%	"	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 86.6%*			*Limits: 70-150%*	"							*11/16/07 20:47*	
4-BFB (PID)		*111%*			*75-125%*	"							"	

QC Batch: 7K19042 **Air Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7K19042-BLK1)									**Extracted: 11/19/07 12:11**					
Gasoline Range Hydrocarbons (v/v)	NWTPH Modified	ND	---	2.36	ppmv	1x	--	--	--	--	--	--	11/19/07 13:18	
Gasoline Range Hydrocarbons	"	ND	---	10.0	mg/m³ Air	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 90.4%*			*Limits: 70-150%*	"							*11/19/07 13:18*	
LCS (7K19042-BS1)									**Extracted: 11/19/07 12:11**					
Gasoline Range Hydrocarbons	NWTPH Modified	73.8	---	10.0	mg/m³ Air	1x	--	100	73.8%	(50-150)	--	--	11/19/07 13:49	
Surrogate(s): 4-BFB (FID)		*Recovery: 92.3%*			*Limits: 70-150%*	"							*11/19/07 13:49*	
LCS Dup (7K19042-BSD1)									**Extracted: 11/19/07 12:11**					
Gasoline Range Hydrocarbons	NWTPH Modified	77.9	---	10.0	mg/m³ Air	1x	--	100	77.9%	(50-150)	5.40%	(50)	11/19/07 14:19	
Surrogate(s): 4-BFB (FID)		*Recovery: 92.5%*			*Limits: 70-150%*	"							*11/19/07 14:19*	
Duplicate (7K19042-DUP1)					**QC Source: BQK0215-04RE1**				**Extracted: 11/19/07 12:11**					
Gasoline Range Hydrocarbons	NWTPH Modified	27.5	---	10.0	mg/m³ Air	1x	25.5	--	--	--	7.43%	(30)	11/19/07 15:19	
Gasoline Range Hydrocarbons (v/v)	"	6.48	---	2.36	ppmv	"	6.02	--	--	--	7.43%	"	"	
4-BFB (FID)		*91.6%*			*70-150%*	"							"	

TestAmerica Seattle

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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BOTHELL, WA 98011-8244
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Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	None	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	02/25/08 14:08

Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 7K16009 **Air Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7K16009-BLK1)								**Extracted: 11/16/07 09:26**						
Acetone	EPA 8260B	ND	---	20.0	ppmv	1x	--	--	--	--	--	--	11/16/07 11:47	
Benzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1-Chlorohexane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	None	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	02/25/08 14:08

Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 7K16009 **Air Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7K16009-BLK1)							**Extracted: 11/16/07 09:26**							
Ethylbenzene	EPA 8260B	ND	---	2.00	ppmv	1x	--	--	--	--	--	--	11/16/07 11:47	
Hexachlorobutadiene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	4.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 100%*			*Limits: 69-131%*	"							*11/16/07 11:47*	
Toluene-d8		*106%*			*72-131%*	"							"	
4-BFB		*99.4%*			*78-121%*	"							"	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	None	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	02/25/08 14:08

Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 7K16009 **Air Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (7K16009-BS1)							**Extracted: 11/16/07 09:26**							
Benzene	EPA 8260B	8.06	---	2.00	ppmv	1x	--	10.0	80.6%	(50-150)	--	--	11/16/07 10:54	
Chlorobenzene	"	8.68	---	2.00	"	"	--	"	86.8%	"	--	--	"	
1,1-Dichloroethene	"	8.42	---	2.00	"	"	--	"	84.2%	"	--	--	"	
Toluene	"	8.36	---	2.00	"	"	--	"	83.6%	"	--	--	"	
Trichloroethene	"	8.24	---	2.00	"	"	--	"	82.4%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 98.6%*			*Limits: 69-131%*	"							*11/16/07 10:54*	
Toluene-d8		*101%*			*72-131%*	"							"	
4-BFB		*98.6%*			*78-121%*	"							"	
LCS Dup (7K16009-BSD1)							**Extracted: 11/16/07 09:26**							
Benzene	EPA 8260B	8.94	---	2.00	ppmv	1x	--	10.0	89.4%	(50-150)	10.4%	(50)	11/16/07 11:20	
Chlorobenzene	"	9.40	---	2.00	"	"	--	"	94.0%	"	7.97%	"	"	
1,1-Dichloroethene	"	8.84	---	2.00	"	"	--	"	88.4%	"	4.81%	"	"	
Toluene	"	9.28	---	2.00	"	"	--	"	92.8%	"	10.4%	"	"	
Trichloroethene	"	9.02	---	2.00	"	"	--	"	90.2%	"	8.98%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 97.3%*			*Limits: 69-131%*	"							*11/16/07 11:20*	
Toluene-d8		*103%*			*72-131%*	"							"	
4-BFB		*99.2%*			*78-121%*	"							"	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	None	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	02/25/08 14:08

Notes and Definitions

Report Specific Notes:

C	-	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
H	-	Sample analysis performed past method-specified holding time.
H2	-	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
R4	-	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
RL4	-	Reporting limit raised due to insufficient sample volume.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica Seattle

Sandra Yakamavich, Project Manager

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.stl-inc.com

BUH0215

SEVERN TRENT STL®

Client	Project Manager	Date	Chain of Custody Number
SECOR	Joe Rounds	11/15/07	28124
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
12034 134TH CT. NE			
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Redmond / WA / 98052			
Project Name and Location (State)	**Carrier/Waybill Number**		
Westlake & Mercer			
Contract/Purchase Order/Quote No.			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TPH-gx	BTEX-MTBE	Special Instructions/ Conditions of Receipt
EFR-1	11/15/07	1230	✓										✓	✓	01
EFR-2		1235													02
EFR-3		1240													03
MW-46		1323													04
MW-65		1327													05
MW-88	↓	1320	↓										↓	↓	06

Cooler	Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
☐ Yes ☐ No Cooler Temp:____	☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months	

Turn Around Time Required (business days)
☐ 24 Hours ☒ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other ____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	[signature]	11/15/07	15:50	Colette Weaver	11.15.07	1550
2.						
3.						

Comments
REPORT TO MATTHEW DAVIS - MDAVIS@SECOR.COM

18.1° w/o

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

December 27, 2007

Matthew Davis
Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond, WA/USA 98073

RE: Westlake & Mercer

Enclosed are the results of analyses for samples received by the laboratory on 11/16/07 11:45. The following list is a summary of the Work Orders contained in this report, generated on 12/27/07 09:48.

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

Work Order	Project	ProjectNumber
BQK0240	Westlake & Mercer	5353

TestAmerica Seattle

Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	5353	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/27/07 09:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFR-1	BQK0240-01	Water	11/15/07 11:20	11/16/07 11:45
EFR-2	BQK0240-02	Water	11/15/07 11:10	11/16/07 11:45
EFR-3	BQK0240-03	Water	11/15/07 11:15	11/16/07 11:45
MW-88	BQK0240-04	Water	11/15/07 13:10	11/16/07 11:45
MW-46	BQK0240-05	Water	11/15/07 13:15	11/16/07 11:45
MW-65	BQK0240-06	Water	11/15/07 13:17	11/16/07 11:45

TestAmerica Seattle

Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	5353	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/27/07 09:48

Volatile Petroleum Products by NWTPH-Gx

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQK0240-01 (EFR-1)		**Water**			**Sampled: 11/15/07 11:20**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	50.0	ug/l	1x	7K20023	11/20/07 12:27	11/20/07 17:41	
Surrogate(s): 4-BFB (FID)			*90.9%*		*58 - 144 %*	"			"	
BQK0240-02 (EFR-2)		**Water**			**Sampled: 11/15/07 11:10**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	50.0	ug/l	1x	7K20023	11/20/07 12:27	11/20/07 16:38	
Surrogate(s): 4-BFB (FID)			*90.2%*		*58 - 144 %*	"			"	
BQK0240-03 (EFR-3)		**Water**			**Sampled: 11/15/07 11:15**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	50.0	ug/l	1x	7K20023	11/20/07 12:27	11/20/07 18:13	
Surrogate(s): 4-BFB (FID)			*92.8%*		*58 - 144 %*	"			"	
BQK0240-04 (MW-88)		**Water**			**Sampled: 11/15/07 13:10**					
Gasoline Range Hydrocarbons	NWTPH-Gx	**2980**	-----	50.0	ug/l	1x	7K20023	11/20/07 12:27	11/20/07 21:55	
Surrogate(s): 4-BFB (FID)			*94.8%*		*58 - 144 %*	"			"	
BQK0240-05 (MW-46)		**Water**			**Sampled: 11/15/07 13:15**					
Gasoline Range Hydrocarbons	NWTPH-Gx	**223**	-----	50.0	ug/l	1x	7K20023	11/20/07 12:27	11/20/07 22:27	
Surrogate(s): 4-BFB (FID)			*91.1%*		*58 - 144 %*	"			"	
BQK0240-06 (MW-65)		**Water**			**Sampled: 11/15/07 13:17**					
Gasoline Range Hydrocarbons	NWTPH-Gx	**52.0**	-----	50.0	ug/l	1x	7K20023	11/20/07 12:27	11/20/07 22:59	
Surrogate(s): 4-BFB (FID)			*90.2%*		*58 - 144 %*	"			"	

TestAmerica Seattle

Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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PH: (425) 420.9200 FAX: (425) 420.9210

Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	5353	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/27/07 09:48

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQK0240-01 (EFR-1)		**Water**			**Sampled: 11/15/07 11:20**					
Benzene	EPA 8260B	ND	-----	0.500	ug/l	1x	7K26047	11/26/07 08:00	11/26/07 18:55	**L**
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	3.00	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*108%*		*70 - 130 %*	"			"	
Toluene-d8			*99.5%*		*75 - 125 %*	"			"	
4-BFB			*104%*		*75 - 125 %*	"			"	
BQK0240-02 (EFR-2)		**Water**			**Sampled: 11/15/07 11:10**					
Benzene	EPA 8260B	ND	-----	0.500	ug/l	1x	7K26047	11/26/07 08:00	11/26/07 19:21	**L**
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	3.00	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*107%*		*70 - 130 %*	"			"	
Toluene-d8			*99.8%*		*75 - 125 %*	"			"	
4-BFB			*102%*		*75 - 125 %*	"			"	
BQK0240-03 (EFR-3)		**Water**			**Sampled: 11/15/07 11:15**					
Benzene	EPA 8260B	ND	-----	0.500	ug/l	1x	7K26047	11/26/07 08:00	11/26/07 19:46	**L**
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	3.00	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*104%*		*70 - 130 %*	"			"	
Toluene-d8			*102%*		*75 - 125 %*	"			"	
4-BFB			*100%*		*75 - 125 %*	"			"	
BQK0240-04 (MW-88)		**Water**			**Sampled: 11/15/07 13:10**					**H**
Benzene	EPA 8260B	**2.00**	-----	0.500	ug/l	1x	7L14008	12/14/07 08:53	12/14/07 12:00	
Ethylbenzene	"	**19.6**	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	**54.5**	-----	3.00	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*106%*		*70 - 130 %*	"			"	
Toluene-d8			*119%*		*75 - 125 %*	"			"	
4-BFB			*112%*		*75 - 125 %*	"			"	

TestAmerica Seattle

Curtis D. Armstrong For Sandra Yakamavich, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	5353	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/27/07 09:48

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQK0240-05 (MW-46)		**Water**			**Sampled: 11/15/07 13:15**					
Benzene	EPA 8260B	**1.13**	-----	0.500	ug/l	1x	7K26046	11/26/07 14:24	11/27/07 02:20	
Ethylbenzene	"	**6.69**	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	**7.02**	-----	3.00	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*111%*		*70 - 130 %*	"			"	
Toluene-d8			*102%*		*75 - 125 %*	"			"	
4-BFB			*98.2%*		*75 - 125 %*	"			"	
BQK0240-06 (MW-65)		**Water**			**Sampled: 11/15/07 13:17**					
Benzene	EPA 8260B	ND	-----	0.500	ug/l	1x	7K26046	11/26/07 14:24	11/27/07 02:45	
Ethylbenzene	"	**0.640**	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	3.00	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*109%*		*70 - 130 %*	"			"	
Toluene-d8			*101%*		*75 - 125 %*	"			"	
4-BFB			*100%*		*75 - 125 %*	"			"	

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PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	5353	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/27/07 09:48

Volatile Petroleum Products by NWTPH-Gx - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 7K20023 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7K20023-BLK1)									**Extracted: 11/20/07 12:27**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	11/20/07 14:30	
Surrogate(s): 4-BFB (FID)		*Recovery: 94.4%*			*Limits: 58-144%*	"							*11/20/07 14:30*	
LCS (7K20023-BS1)									**Extracted: 11/20/07 12:27**					
Gasoline Range Hydrocarbons	NWTPH-Gx	984	---	50.0	ug/l	1x	--	1000	98.4%	(80-120)	--	--	11/20/07 15:02	
Surrogate(s): 4-BFB (FID)		*Recovery: 101%*			*Limits: 58-144%*	"							*11/20/07 15:02*	
Duplicate (7K20023-DUP1)						**QC Source: BQK0207-02**			**Extracted: 11/20/07 12:27**					
Gasoline Range Hydrocarbons	NWTPH-Gx	768	---	50.0	ug/l	1x	785	--	--	--	2.16%	(25)	11/20/07 16:06	
Surrogate(s): 4-BFB (FID)		*Recovery: 92.2%*			*Limits: 58-144%*	"							*11/20/07 16:06*	
Duplicate (7K20023-DUP2)						**QC Source: BQK0240-02**			**Extracted: 11/20/07 12:27**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	50.0	ug/l	1x	ND	--	--	--	NR	(25)	11/20/07 17:10	
Surrogate(s): 4-BFB (FID)		*Recovery: 91.3%*			*Limits: 58-144%*	"							*11/20/07 17:10*	
Matrix Spike (7K20023-MS1)						**QC Source: BQK0207-02**			**Extracted: 11/20/07 12:27**					
Gasoline Range Hydrocarbons	NWTPH-Gx	1580	---	50.0	ug/l	1x	785	1000	79.8%	(75-131)	--	--	11/20/07 18:45	
Surrogate(s): 4-BFB (FID)		*Recovery: 94.5%*			*Limits: 58-144%*	"							*11/20/07 18:45*	
Matrix Spike Dup (7K20023-MSD1)						**QC Source: BQK0207-02**			**Extracted: 11/20/07 12:27**					
Gasoline Range Hydrocarbons	NWTPH-Gx	1540	---	50.0	ug/l	1x	785	1000	75.8%	(75-131)	2.55%	(25)	11/20/07 19:17	
Surrogate(s): 4-BFB (FID)		*Recovery: 92.9%*			*Limits: 58-144%*	"							*11/20/07 19:17*	

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Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	5353	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/27/07 09:48

Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 7K26046 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7K26046-BLK1)							**Extracted: 11/26/07 16:48**							
Benzene	EPA 8260B	ND	---	0.500	ug/l	1x	--	--	--	--	--	--	11/26/07 17:12	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 105%*			*Limits: 70-130%*	"							*11/26/07 17:12*	
Toluene-d8		*102%*			*75-125%*	"							"	
4-BFB		*100%*			*75-125%*	"							"	
Blank (7K26046-BLK2)							**Extracted: 11/26/07 16:48**							
Benzene	EPA 8260B	ND	---	0.500	ug/l	1x	--	--	--	--	--	--	11/26/07 23:46	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 108%*			*Limits: 70-130%*	"							*11/26/07 23:46*	
Toluene-d8		*103%*			*75-125%*	"							"	
4-BFB		*102%*			*75-125%*	"							"	
LCS (7K26046-BS1)							**Extracted: 11/26/07 16:48**							
Benzene	EPA 8260B	19.0	---	0.500	ug/l	1x	--	20.0	95.2%	(80-120)	--	--	11/26/07 21:52	
Ethylbenzene	"	19.4	---	0.500	"	"	--	"	96.8%	(75-125)	--	--	"	
Toluene	"	19.2	---	0.500	"	"	--	"	96.0%	"	--	--	"	
Xylenes (total)	"	58.8	---	3.00	"	"	--	60.0	98.0%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 107%*			*Limits: 70-130%*	"							*11/26/07 21:52*	
Toluene-d8		*103%*			*75-125%*	"							"	
4-BFB		*99.4%*			*75-125%*	"							"	
LCS Dup (7K26046-BSD1)							**Extracted: 11/26/07 16:48**							
Benzene	EPA 8260B	18.5	---	0.500	ug/l	1x	--	20.0	92.4%	(80-120)	2.93%	(20)	11/26/07 22:17	
Ethylbenzene	"	18.8	---	0.500	"	"	--	"	93.8%	(75-125)	3.15%	"	"	
Toluene	"	18.9	---	0.500	"	"	--	"	94.7%	"	1.42%	"	"	
Xylenes (total)	"	57.5	---	3.00	"	"	--	60.0	95.8%	"	2.27%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 104%*			*Limits: 70-130%*	"							*11/26/07 22:17*	
Toluene-d8		*101%*			*75-125%*	"							"	
4-BFB		*100%*			*75-125%*	"							"	

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PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	5353	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/27/07 09:48

Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 7K26046 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (7K26046-MS1)						**QC Source: BQK0247-01**				**Extracted: 11/26/07 16:48**				
Benzene	EPA 8260B	19.0	---	0.500	ug/l	1x	ND	20.0	94.8%	(80-124)	--	--	11/26/07 22:43	
Ethylbenzene	"	18.7	---	0.500	"	"	ND	"	93.6%	(62-151)	--	--	"	
Toluene	"	18.3	---	0.500	"	"	ND	"	91.6%	(75-125)	--	--	"	
Xylenes (total)	"	54.9	---	3.00	"	"	ND	60.0	91.5%	(60-140)	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 105%*			*Limits: 70-130%*	"							*11/26/07 22:43*	
Toluene-d8		*98.9%*			*75-125%*	"							"	
4-BFB		*101%*			*75-125%*	"							"	
Matrix Spike Dup (7K26046-MSD1)						**QC Source: BQK0247-01**				**Extracted: 11/26/07 16:48**				
Benzene	EPA 8260B	19.2	---	0.500	ug/l	1x	ND	20.0	95.8%	(80-124)	1.15%	(30)	11/26/07 23:09	
Ethylbenzene	"	19.9	---	0.500	"	"	ND	"	99.4%	(62-151)	6.01%	"	"	
Toluene	"	19.5	---	0.500	"	"	ND	"	97.6%	(75-125)	6.39%	"	"	
Xylenes (total)	"	58.8	---	3.00	"	"	ND	60.0	98.0%	(60-140)	6.84%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 102%*			*Limits: 70-130%*	"							*11/26/07 23:09*	
Toluene-d8		*101%*			*75-125%*	"							"	
4-BFB		*98.7%*			*75-125%*	"							"	

QC Batch: 7K26047 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7K26047-BLK1)										**Extracted: 11/26/07 08:00**				
Benzene	EPA 8260B	ND	---	0.500	ug/l	1x	--	--	--	--	--	--	11/26/07 17:12	**L**
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 105%*			*Limits: 70-130%*	"							*11/26/07 17:12*	
Toluene-d8		*102%*			*75-125%*	"							"	
4-BFB		*100%*			*75-125%*	"							"	
LCS (7K26047-BS1)										**Extracted: 11/26/07 08:00**				
Benzene	EPA 8260B	24.5	---	0.500	ug/l	1x	--	20.0	122%	(80-120)	--	--	11/26/07 15:02	**L1**
Ethylbenzene	"	23.0	---	0.500	"	"	--	"	115%	(75-125)	--	--	"	
Toluene	"	24.1	---	0.500	"	"	--	"	121%	"	--	--	"	
Xylenes (total)	"	69.4	---	3.00	"	"	--	60.0	116%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 103%*			*Limits: 70-130%*	"							*11/26/07 15:02*	
Toluene-d8		*100%*			*75-125%*	"							"	
4-BFB		*101%*			*75-125%*	"							"	

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PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	5353	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/27/07 09:48

Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 7K26047 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (7K26047-BSD1)							**Extracted: 11/26/07 08:00**							
Benzene	EPA 8260B	23.4	---	0.500	ug/l	1x	--	20.0	117%	(80-120)	4.38%	(20)	11/26/07 15:28	
Ethylbenzene	"	22.0	---	0.500	"	"	--	"	110%	(75-125)	4.44%	"	"	
Toluene	"	22.6	---	0.500	"	"	--	"	113%	"	6.55%	"	"	
Xylenes (total)	"	65.1	---	3.00	"	"	--	60.0	108%	"	6.38%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 103%*			*Limits: 70-130%*	"							*11/26/07 15:28*	
Toluene-d8		*100%*			*75-125%*	"							"	
4-BFB		*98.4%*			*75-125%*	"							"	

QC Batch: 7L14008 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7L14008-BLK1)							**Extracted: 12/14/07 08:53**							
Benzene	EPA 8260B	ND	---	0.500	ug/l	1x	--	--	--	--	--	--	12/14/07 10:31	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 93.1%*			*Limits: 70-130%*	"							*12/14/07 10:31*	
Toluene-d8		*101%*			*75-125%*	"							"	
4-BFB		*102%*			*75-125%*	"							"	
LCS (7L14008-BS1)							**Extracted: 12/14/07 08:53**							
Benzene	EPA 8260B	20.4	---	0.500	ug/l	1x	--	20.0	102%	(80-120)	--	--	12/14/07 09:08	
Ethylbenzene	"	19.5	---	0.500	"	"	--	"	97.7%	(75-125)	--	--	"	
Toluene	"	19.6	---	0.500	"	"	--	"	97.8%	"	--	--	"	
Xylenes (total)	"	58.0	---	3.00	"	"	--	60.0	96.6%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 94.2%*			*Limits: 70-130%*	"							*12/14/07 09:08*	
Toluene-d8		*98.5%*			*75-125%*	"							"	
4-BFB		*100%*			*75-125%*	"							"	
LCS Dup (7L14008-BSD1)							**Extracted: 12/14/07 08:53**							
Benzene	EPA 8260B	18.1	---	0.500	ug/l	1x	--	20.0	90.4%	(80-120)	12.4%	(20)	12/14/07 09:54	
Ethylbenzene	"	17.6	---	0.500	"	"	--	"	87.9%	(75-125)	10.6%	"	"	
Toluene	"	17.5	---	0.500	"	"	--	"	87.5%	"	11.2%	"	"	
Xylenes (total)	"	51.8	---	3.00	"	"	--	60.0	86.4%	"	11.1%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 94.0%*			*Limits: 70-130%*	"							*12/14/07 09:54*	
Toluene-d8		*98.9%*			*75-125%*	"							"	
4-BFB		*100%*			*75-125%*	"							"	

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Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/27/07 09:48

Notes and Definitions

Report Specific Notes:

H	-	Sample analysis performed past method-specified holding time.
L	-	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
L1	-	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica Seattle

Curtis D. Armstrong For Sandra Yakamavich, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BAK0240

CLIENT: CP / SECOR

REPORT TO: SECOR INT'l
ADDRESS: 12034 134th Ct NE Suite 102, REDMOND, WA 98052
PHONE: 425-372-1600 FAX: 372-1650

INVOICE TO: SECOR INT'l
12034 134th COURT NE, SUITE 102, REDMOND, WA 98052
P.O. NUMBER:

PROJECT NAME: WESTLAKE / MERCER ISLAND.
PROJECT NUMBER: 5353
SAMPLED BY: MATT DAVIS

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE		REQUESTED ANALYSES		MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
			H	H	TPH - 6x	BTEX 8260				
1	EFR-1	11/15 / 11:20					W			01
2	EFR-2	11/15 / 11:10								02
3	EFR-3	11/15 / 11:15								03
4	MW-88	11/15 / 13:10								04
5	MW-46	11/15 / 13:15								05
6	MW-65	11/15 / 13:17								06
7										
8										
9										
10										

RELEASED BY: PRINT NAME: MATTHEW TOLLEY FIRM: SECOR INT DATE: 11/16/07 TIME: 11:45
RECEIVED BY: Cathy Crumbaker PRINT NAME: Cathy Crumbaker FIRM: TAL-Sea DATE: 11/16/07 TIME: 11:45
RELEASED BY: PRINT NAME: FIRM: DATE: TIME:
RECEIVED BY: PRINT NAME: FIRM: DATE: TIME:

ADDITIONAL REMARKS:
TEMP: 4.0

COC REV 09/2004

PAGE 1 OF 1

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

December 28, 2007

Matthew Davis
Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond, WA/USA 98073

RE: Westlake & Mercer

Enclosed are the results of analyses for samples received by the laboratory on 12/13/07 14:43. The following list is a summary of the Work Orders contained in this report, generated on 12/28/07 14:09.

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

Work Order	Project	ProjectNumber
BQL0179	Westlake & Mercer	2505353

TestAmerica Seattle

Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	2505353	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/28/07 14:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFR-1	BQL0179-01	Air	12/13/07 12:40	12/13/07 14:43
EFR-2	BQL0179-02	Air	12/13/07 12:45	12/13/07 14:43
EFR-3	BQL0179-03	Air	12/13/07 12:50	12/13/07 14:43
MW-88	BQL0179-04	Air	12/13/07 13:25	12/13/07 14:43
MW-46	BQL0179-05	Air	12/13/07 13:30	12/13/07 14:43
MW-65	BQL0179-06	Air	12/13/07 13:35	12/13/07 14:43

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PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	2505353	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/28/07 14:09

Gasoline Hydrocarbons (Benzene to Napthalene) and BTEX in Air by NWTPH-G and EPA 8021B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQL0179-01 (EFR-1)		**Air**			**Sampled: 12/13/07 12:40**					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	-----	10.0	mg/m³ Air	1x	7L14014	12/14/07 10:06	12/14/07 19:11	C
Gasoline Range Hydrocarbons (v/v)	"	ND	-----	2.36	ppmv	"	"	"	"	C
Benzene (v/v)	"	ND	-----	0.0308	"	"	"	"	"	
Toluene (v/v)	"	ND	-----	0.0261	"	"	"	"	"	
Ethylbenzene (v/v)	"	ND	-----	0.0227	"	"	"	"	"	
Xylenes, total (v/v)	"	ND	-----	0.0454	"	"	"	"	"	
Benzene	"	ND	-----	0.100	mg/m³ Air	"	"	"	"	
Toluene	"	ND	-----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.200	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*86.6%*		*70 - 150 %*	"			"	
4-BFB (PID)			*110%*		*75 - 125 %*	"			"	
BQL0179-02 (EFR-2)		**Air**			**Sampled: 12/13/07 12:45**					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	-----	10.0	mg/m³ Air	1x	7L14014	12/14/07 10:06	12/14/07 21:41	C
Gasoline Range Hydrocarbons (v/v)	"	ND	-----	2.36	ppmv	"	"	"	"	C
Benzene (v/v)	"	ND	-----	0.0308	"	"	"	"	"	
Toluene (v/v)	"	ND	-----	0.0261	"	"	"	"	"	
Ethylbenzene (v/v)	"	ND	-----	0.0227	"	"	"	"	"	
Xylenes, total (v/v)	"	ND	-----	0.0454	"	"	"	"	"	
Benzene	"	ND	-----	0.100	mg/m³ Air	"	"	"	"	
Toluene	"	ND	-----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.200	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*83.3%*		*70 - 150 %*	"			"	
4-BFB (PID)			*111%*		*75 - 125 %*	"			"	
BQL0179-03 (EFR-3)		**Air**			**Sampled: 12/13/07 12:50**					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	-----	10.0	mg/m³ Air	1x	7L14014	12/14/07 10:06	12/14/07 22:11	C
Gasoline Range Hydrocarbons (v/v)	"	ND	-----	2.36	ppmv	"	"	"	"	C
Benzene (v/v)	"	ND	-----	0.0308	"	"	"	"	"	
Toluene (v/v)	"	ND	-----	0.0261	"	"	"	"	"	
Ethylbenzene (v/v)	"	ND	-----	0.0227	"	"	"	"	"	
Xylenes, total (v/v)	"	ND	-----	0.0454	"	"	"	"	"	
Benzene	"	ND	-----	0.100	mg/m³ Air	"	"	"	"	
Toluene	"	ND	-----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.200	"	"	"	"	"	

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Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	2505353	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/28/07 14:09

Gasoline Hydrocarbons (Benzene to Napthalene) and BTEX in Air by NWTPH-G and EPA 8021B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQL0179-03 (EFR-3)		**Air**				**Sampled: 12/13/07 12:50**				
Surrogate(s): 4-BFB (FID)			*83.9%*		*70 - 150 %*	*1x*			*12/14/07 22:11*	
4-BFB (PID)			*112%*		*75 - 125 %*	*"*			*"*	
BQL0179-04 (MW-88)		**Air**				**Sampled: 12/13/07 13:25**				
Benzene (v/v)	NWTPH Modified	**0.0682**	-----	0.0308	ppmv	1x	7L14014	12/14/07 10:06	12/14/07 23:41	
Toluene (v/v)	"	**0.0792**	-----	0.0261	"	"	"	"	"	
Ethylbenzene (v/v)	"	**0.532**	-----	0.0227	"	"	"	"	"	
Xylenes, total (v/v)	"	**0.596**	-----	0.0454	"	"	"	"	"	
Benzene	"	**0.221**	-----	0.100	mg/m³ Air	"	"	"	"	
Toluene	"	**0.303**	-----	0.100	"	"	"	"	"	
Ethylbenzene	"	**2.34**	-----	0.100	"	"	"	"	"	
Xylenes (total)	"	**2.63**	-----	0.200	"	"	"	"	"	
Surrogate(s): 4-BFB (PID)			*110%*		*75 - 125 %*	*"*			*"*	
BQL0179-04RE1 (MW-88)		**Air**				**Sampled: 12/13/07 13:25**				
Gasoline Range Hydrocarbons	NWTPH Modified	**33.9**	-----	10.0	mg/m³ Air	1x	7L15006	12/14/07 10:06	12/16/07 07:40	
Gasoline Range Hydrocarbons (v/v)	"	**7.98**	-----	2.36	ppmv	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*82.6%*		*70 - 150 %*	*"*			*"*	
BQL0179-05 (MW-46)		**Air**				**Sampled: 12/13/07 13:30**				
Benzene (v/v)	NWTPH Modified	**0.179**	-----	0.0308	ppmv	1x	7L14014	12/14/07 10:06	12/14/07 22:41	
Toluene (v/v)	"	**0.0458**	-----	0.0261	"	"	"	"	"	
Ethylbenzene (v/v)	"	**0.144**	-----	0.0227	"	"	"	"	"	
Xylenes, total (v/v)	"	**0.300**	-----	0.0454	"	"	"	"	"	
Benzene	"	**0.582**	-----	0.100	mg/m³ Air	"	"	"	"	
Toluene	"	**0.175**	-----	0.100	"	"	"	"	"	
Ethylbenzene	"	**0.636**	-----	0.100	"	"	"	"	"	
Xylenes (total)	"	**1.32**	-----	0.200	"	"	"	"	"	
Surrogate(s): 4-BFB (PID)			*111%*		*75 - 125 %*	*"*			*"*	

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Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	2505353	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/28/07 14:09

Gasoline Hydrocarbons (Benzene to Napthalene) and BTEX in Air by NWTPH-G and EPA 8021B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQL0179-05RE1 (MW-46)		**Air**			**Sampled: 12/13/07 13:30**					
Gasoline Range Hydrocarbons	NWTPH Modified	**10.8**	-----	10.0	mg/m³ Air	1x	7L15006	12/14/07 10:06	12/16/07 08:10	
Gasoline Range Hydrocarbons (v/v)	"	**2.55**	-----	2.36	ppmv	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*87.9%*		*70 - 150 %*	"			"	
BQL0179-06 (MW-65)		**Air**			**Sampled: 12/13/07 13:35**					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	-----	10.0	mg/m³ Air	1x	7L14014	12/14/07 10:06	12/14/07 23:12	C
Gasoline Range Hydrocarbons (v/v)	"	ND	-----	2.36	ppmv	"	"	"	"	C
Benzene (v/v)	"	ND	-----	0.0308	"	"	"	"	"	
Toluene (v/v)	"	ND	-----	0.0261	"	"	"	"	"	
Ethylbenzene (v/v)	"	ND	-----	0.0227	"	"	"	"	"	
Xylenes, total (v/v)	"	ND	-----	0.0454	"	"	"	"	"	
Benzene	"	ND	-----	0.100	mg/m³ Air	"	"	"	"	
Toluene	"	ND	-----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.200	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*83.9%*		*70 - 150 %*	"			"	
4-BFB (PID)			*112%*		*75 - 125 %*	"			"	

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Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/28/07 14:09

Gasoline Hydrocarbons (Benzene to Napthalene) and BTEX in Air by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 7L14014 **Air Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7L14014-BLK1)							**Extracted: 12/14/07 10:06**							
Gasoline Range Hydrocarbons (v/v)	NWTPH Modified	ND	---	2.36	ppmv	1x	--	--	--	--	--	--	12/14/07 13:29	
Gasoline Range Hydrocarbons	"	ND	---	10.0	mg/m³ Air	"	--	--	--	--	--	--	"	
Benzene (v/v)	"	ND	---	0.0308	ppmv	"	--	--	--	--	--	--	"	
Toluene (v/v)	"	ND	---	0.0261	"	"	--	--	--	--	--	--	"	
Ethylbenzene (v/v)	"	ND	---	0.0227	"	"	--	--	--	--	--	--	"	
Xylenes, total (v/v)	"	ND	---	0.0454	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	0.100	mg/m³ Air	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 87.1%*			*Limits: 70-150%*	"							*12/14/07 13:29*	
4-BFB (PID)		*107%*			*75-125%*	"							*"*	
LCS (7L14014-BS1)							**Extracted: 12/14/07 10:06**							
Gasoline Range Hydrocarbons	NWTPH Modified	89.4	---	10.0	mg/m³ Air	1x	--	100	89.4%	(50-150)	--	--	12/14/07 14:23	
Surrogate(s): 4-BFB (FID)		*Recovery: 77.9%*			*Limits: 70-150%*	"							*12/14/07 14:23*	
LCS (7L14014-BS2)							**Extracted: 12/14/07 10:06**							
Benzene	NWTPH Modified	1.34	---	0.100	mg/m³ Air	1x	--	2.00	66.8%	(50-150)	--	--	12/14/07 15:23	
Toluene	"	1.42	---	0.100	"	"	--	"	71.0%	"	--	--	"	
Ethylbenzene	"	1.30	---	0.100	"	"	--	"	64.9%	"	--	--	"	
Xylenes (total)	"	4.26	---	0.200	"	"	--	6.00	71.0%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 110%*			*Limits: 75-125%*	"							*12/14/07 15:23*	
LCS Dup (7L14014-BSD1)							**Extracted: 12/14/07 10:06**							
Gasoline Range Hydrocarbons	NWTPH Modified	84.3	---	10.0	mg/m³ Air	1x	--	100	84.3%	(50-150)	5.91%	(50)	12/14/07 14:53	
Surrogate(s): 4-BFB (FID)		*Recovery: 83.5%*			*Limits: 70-150%*	"							*12/14/07 14:53*	
LCS Dup (7L14014-BSD2)							**Extracted: 12/14/07 10:06**							
Benzene	NWTPH Modified	1.21	---	0.100	mg/m³ Air	1x	--	2.00	60.4%	(50-150)	10.1%	(50)	12/14/07 15:53	
Toluene	"	1.17	---	0.100	"	"	--	"	58.5%	"	19.3%	"	"	
Ethylbenzene	"	1.16	---	0.100	"	"	--	"	58.2%	"	10.9%	"	"	
Xylenes (total)	"	3.65	---	0.200	"	"	--	6.00	60.9%	"	15.4%	"	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 113%*			*Limits: 75-125%*	"							*12/14/07 15:53*	

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Gasoline Hydrocarbons (Benzene to Napthalene) and BTEX in Air by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

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QC Batch: 7L14014 **Air Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (7L14014-DUP1)					**QC Source: BQL0177-01**				**Extracted: 12/14/07 10:06**					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	---	10.0	mg/m³ Air	1x	ND	--	--	--	12.3%	(30)	12/14/07 17:11	C
Gasoline Range Hydrocarbons (v/v)	"	ND	---	2.36	ppmv	"	ND	--	--	--	12.3%	"	"	C
Benzene (v/v)	"	ND	---	0.0308	"	"	ND	--	--	--	NR	"	"	
Toluene (v/v)	"	ND	---	0.0261	"	"	ND	--	--	--	81.2%	"	"	R4
Ethylbenzene (v/v)	"	ND	---	0.0227	"	"	ND	--	--	--	90.4%	"	"	R4
Xylenes, total (v/v)	"	ND	---	0.0454	"	"	ND	--	--	--	77.3%	"	"	R4
Benzene	"	ND	---	0.100	mg/m³ Air	"	ND	--	--	--	NR	"	"	
Toluene	"	ND	---	0.100	"	"	ND	--	--	--	81.2%	"	"	R4
Ethylbenzene	"	ND	---	0.100	"	"	ND	--	--	--	90.4%	"	"	R4
Xylenes (total)	"	ND	---	0.200	"	"	ND	--	--	--	77.3%	"	"	R4
Surrogate(s): 4-BFB (FID)		*Recovery: 68.5%*			*Limits: 70-150%*	"							*12/14/07 17:11*	Z6
4-BFB (PID)		*112%*			*75-125%*	"							"	

QC Batch: 7L15006 **Air Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7L15006-BLK1)									**Extracted: 12/15/07 18:49**					
Gasoline Range Hydrocarbons (v/v)	NWTPH Modified	ND	---	2.36	ppmv	1x	--	--	--	--	--	--	12/15/07 21:40	
Gasoline Range Hydrocarbons	"	ND	---	10.0	mg/m³ Air	"	--	--	--	--	--	--	"	
Benzene (v/v)	"	ND	---	0.0308	ppmv	"	--	--	--	--	--	--	"	
Toluene (v/v)	"	ND	---	0.0261	"	"	--	--	--	--	--	--	"	
Ethylbenzene (v/v)	"	ND	---	0.0227	"	"	--	--	--	--	--	--	"	
Xylenes, total (v/v)	"	ND	---	0.0454	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	0.100	mg/m³ Air	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 80.9%*			*Limits: 70-150%*	"							*12/15/07 21:40*	
4-BFB (PID)		*101%*			*75-125%*	"							"	

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Gasoline Hydrocarbons (Benzene to Napthalene) and BTEX in Air by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 7L15006 **Air Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (7L15006-BS1)							**Extracted: 12/15/07 18:49**							
Gasoline Range Hydrocarbons	NWTPH Modified	72.8	---	10.0	mg/m³ Air	1x	--	100	72.8%	(50-150)	--	--	12/15/07 22:10	
Surrogate(s): 4-BFB (FID)		*Recovery: 89.1%*			*Limits: 70-150%*	"							*12/15/07 22:10*	
LCS (7L15006-BS2)							**Extracted: 12/15/07 18:49**							
Benzene	NWTPH Modified	1.56	---	0.100	mg/m³ Air	1x	--	2.00	78.1%	(50-150)	--	--	12/15/07 23:10	
Toluene	"	1.64	---	0.100	"	"	--	"	82.0%	"	--	--	"	
Ethylbenzene	"	1.52	---	0.100	"	"	--	"	76.0%	"	--	--	"	
Xylenes (total)	"	4.91	---	0.200	"	"	--	6.00	81.9%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 108%*			*Limits: 75-125%*	"							*12/15/07 23:10*	
LCS Dup (7L15006-BSD1)							**Extracted: 12/15/07 18:49**							
Gasoline Range Hydrocarbons	NWTPH Modified	73.3	---	10.0	mg/m³ Air	1x	--	100	73.3%	(50-150)	0.681%	(50)	12/15/07 22:40	
Surrogate(s): 4-BFB (FID)		*Recovery: 81.8%*			*Limits: 70-150%*	"							*12/15/07 22:40*	
LCS Dup (7L15006-BSD2)							**Extracted: 12/15/07 18:49**							
Benzene	NWTPH Modified	1.66	---	0.100	mg/m³ Air	1x	--	2.00	83.0%	(50-150)	6.07%	(50)	12/15/07 23:40	
Toluene	"	1.60	---	0.100	"	"	--	"	80.1%	"	2.37%	"	"	
Ethylbenzene	"	1.64	---	0.100	"	"	--	"	82.0%	"	7.52%	"	"	
Xylenes (total)	"	5.05	---	0.200	"	"	--	6.00	84.2%	"	2.86%	"	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 114%*			*Limits: 75-125%*	"							*12/15/07 23:40*	
Duplicate (7L15006-DUP1)							**QC Source: BQL0199-01**						**Extracted: 12/15/07 18:49**	
Gasoline Range Hydrocarbons (v/v)	NWTPH Modified	108	---	23.6	ppmv	10x	103	--	--	--	4.13%	(30)	12/16/07 01:40	
Gasoline Range Hydrocarbons	"	457	---	100	mg/m³ Air	"	438	--	--	--	4.13%	"	"	
Benzene (v/v)	"	1.36	---	0.308	ppmv	"	1.35	--	--	--	0.635%	"	"	
Toluene (v/v)	"	1.18	---	0.261	"	"	1.15	--	--	--	3.00%	"	"	
Ethylbenzene (v/v)	"	0.297	---	0.227	"	"	0.285	--	--	--	4.06%	"	"	
Xylenes, total (v/v)	"	1.06	---	0.454	"	"	1.01	--	--	--	5.30%	"	"	
Benzene	"	4.42	---	1.00	mg/m³ Air	"	4.39	--	--	--	0.635%	"	"	
Toluene	"	4.53	---	1.00	"	"	4.39	--	--	--	3.00%	"	"	
Ethylbenzene	"	1.31	---	1.00	"	"	1.26	--	--	--	4.06%	"	"	
Xylenes (total)	"	4.69	---	2.00	"	"	4.45	--	--	--	5.30%	"	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 93.6%*			*Limits: 70-150%*	*1x*							*12/16/07 01:40*	
4-BFB (PID)		*97.3%*			*75-125%*	"							"	

TestAmerica Seattle

Curtis D. Armstrong For Sandra Yakamavich, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	2505353	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/28/07 14:09

Gasoline Hydrocarbons (Benzene to Napthalene) and BTEX in Air by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 7L15006 **Air Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (7L15006-DUP2)				**QC Source: BQL0200-01**				**Extracted: 12/15/07 18:49**						
Gasoline Range Hydrocarbons	NWTPH Modified	ND	---	10.0	mg/m³ Air	1x	ND	--	--	--	0.0510%	(30)	12/16/07 02:10	
Gasoline Range Hydrocarbons (v/v)	"	ND	---	2.36	ppmv	"	ND	--	--	--	0.0510%	"	"	
Benzene (v/v)	"	0.129	---	0.0308	"	"	0.127	--	--	--	1.06%	"	"	
Toluene (v/v)	"	ND	---	0.0261	"	"	ND	--	--	--	13.1%	"	"	
Ethylbenzene (v/v)	"	ND	---	0.0227	"	"	ND	--	--	--	1.34%	"	"	
Xylenes, total (v/v)	"	0.0572	---	0.0454	"	"	0.0621	--	--	--	8.22%	"	"	
Benzene	"	0.418	---	0.100	mg/m³ Air	"	0.413	--	--	--	1.06%	"	"	
Toluene	"	ND	---	0.100	"	"	ND	--	--	--	13.1%	"	"	
Ethylbenzene	"	ND	---	0.100	"	"	ND	--	--	--	1.34%	"	"	
Xylenes (total)	"	0.252	---	0.200	"	"	0.274	--	--	--	8.22%	"	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 91.7%*			*Limits: 70-150%*	"							*12/16/07 02:10*	
4-BFB (PID)		*108%*			*75-125%*	"							"	

TestAmerica Seattle

Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	2505353	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/28/07 14:09

Notes and Definitions

Report Specific Notes:

C	-	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
R4	-	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
Z6	-	Surrogate recovery was below acceptance limits.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica Seattle

Curtis D. Armstrong For Sandra Yakamavich, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: 50L0179

CLIENT: Secor International

REPORT TO: 12034 134th Ct. NE
ADDRESS: Redmond, WA 98052

PHONE: 425-636-6210 FAX:

INVOICE TO: SECOR

P.O. NUMBER:

PROJECT NAME: Westlake & Mercer

PROJECT NUMBER: 250353

SAMPLED BY: Matt Davis

TURNAROUND REQUEST
in Business Days *

Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: TPH-G	REQUESTED ANALYSES: BTEX	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
1	EFR-1	12/13/07 12:40		X	X	Air	1		01
2	EFR-2	12/13/07 12:45		X	X	Air	1		02
3	EFR-3	12/13/07 12:50		X	X	Air	1		03
4	MW-88	12/13/07 13:25		X	X	Air	1		04
5	MW-40	12/13/07 13:30		X	X	Air	1		05
6	MW-65	12/13/07 13:35		X	X	Air	1		06
7									
8									
9									
10									

RELEASED BY: Joe Rounds DATE: 12/13/07
PRINT NAME: Joe Rounds FIRM: Secor TIME: 14:43

RECEIVED BY: Cathy Gamble DATE: 12/13/07
PRINT NAME: Cathy Gamble FIRM: TAL Sea TIME: 14:43

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

TEMP:

COC REV 09/2004

PAGE OF

12.4 w/o

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

December 19, 2007

Matthew Davis
Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond, WA/USA 98073

RE: Westlake & Mercer

Enclosed are the results of analyses for samples received by the laboratory on 12/13/07 14:43. The following list is a summary of the Work Orders contained in this report, generated on 12/19/07 13:05.

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

Work Order	Project	ProjectNumber
BQL0191	Westlake & Mercer	None

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	None	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/19/07 13:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFR-1	BQL0191-01	Water	12/13/07 12:40	12/13/07 14:43
EFR-2	BQL0191-02	Water	12/13/07 12:45	12/13/07 14:43
EFR-3	BQL0191-03	Water	12/13/07 12:50	12/13/07 14:43
MW-88	BQL0191-04	Water	12/13/07 13:25	12/13/07 14:43
MW-46	BQL0191-05	Water	12/13/07 13:30	12/13/07 14:43
MW-465	BQL0191-06	Water	12/13/07 13:35	12/13/07 14:43

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	None	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/19/07 13:05

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQL0191-01 (EFR-1)		**Water**			**Sampled: 12/13/07 12:40**					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	-----	50.0	ug/l	1x	7L17040	12/17/07 12:10	12/17/07 22:46	
Benzene	"	ND	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*87.3%*		*58 - 144 %*	"			"	
4-BFB (PID)			*98.1%*		*68 - 140 %*	"			"	
BQL0191-02 (EFR-2)		**Water**			**Sampled: 12/13/07 12:45**					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	-----	50.0	ug/l	1x	7L17040	12/17/07 12:10	12/17/07 23:18	
Benzene	"	ND	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*87.9%*		*58 - 144 %*	"			"	
4-BFB (PID)			*97.4%*		*68 - 140 %*	"			"	
BQL0191-03 (EFR-3)		**Water**			**Sampled: 12/13/07 12:50**					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	-----	50.0	ug/l	1x	7L17040	12/17/07 12:10	12/17/07 23:51	
Benzene	"	ND	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*88.9%*		*58 - 144 %*	"			"	
4-BFB (PID)			*96.5%*		*68 - 140 %*	"			"	
BQL0191-04 (MW-88)		**Water**			**Sampled: 12/13/07 13:25**					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	**893**	-----	50.0	ug/l	1x	7L17040	12/17/07 12:10	12/18/07 00:24	
Benzene	"	**2.05**	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	**42.9**	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	**55.0**	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*95.4%*		*58 - 144 %*	"			"	
4-BFB (PID)			*101%*		*68 - 140 %*	"			"	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	None	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/19/07 13:05

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQL0191-05 (MW-46)		**Water**			**Sampled: 12/13/07 13:30**					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	**262**	-----	50.0	ug/l	1x	7L17040	12/17/07 12:10	12/18/07 00:57	
Benzene	"	**6.02**	-----	0.500	"	"	"	"	"	
Toluene	"	**1.84**	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	**6.85**	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	**19.0**	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*91.9%*		*58 - 144 %*	"			"	
4-BFB (PID)			*97.2%*		*68 - 140 %*	"			"	
BQL0191-06 (MW-465)		**Water**			**Sampled: 12/13/07 13:35**					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	-----	50.0	ug/l	1x	7L17040	12/17/07 12:10	12/18/07 01:30	
Benzene	"	ND	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*87.9%*		*58 - 144 %*	"			"	
4-BFB (PID)			*97.1%*		*68 - 140 %*	"			"	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	None	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/19/07 13:05

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 7L17040 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7L17040-BLK1)									**Extracted: 12/17/07 12:10**					
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	12/17/07 12:39	
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 85.8%*			*Limits: 58-144%*	"							*12/17/07 12:39*	
4-BFB (PID)		*97.2%*			*68-140%*	"							"	
LCS (7L17040-BS1)									**Extracted: 12/17/07 12:10**					
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	987	---	50.0	ug/l	1x	--	1000	98.7%	(80-120)	--	--	12/17/07 13:11	
Surrogate(s): 4-BFB (FID)		*Recovery: 92.8%*			*Limits: 58-144%*	"							*12/17/07 13:11*	
LCS (7L17040-BS2)									**Extracted: 12/17/07 12:10**					
Benzene	NWTPH-Gx/ 8021B	28.8	---	0.500	ug/l	1x	--	30.0	95.9%	(80-120)	--	--	12/17/07 13:44	
Toluene	"	29.3	---	0.500	"	"	--	"	97.7%	"	--	--	"	
Ethylbenzene	"	29.0	---	0.500	"	"	--	"	96.5%	"	--	--	"	
Xylenes (total)	"	87.4	---	1.00	"	"	--	90.0	97.1%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 96.0%*			*Limits: 68-140%*	"							*12/17/07 13:44*	
Duplicate (7L17040-DUP1)					**QC Source: BQL0201-01**				**Extracted: 12/17/07 12:10**					
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	ND	--	--	--	NR	(25)	12/17/07 16:46	
Benzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Ethylbenzene	"	ND	---	0.500	"	"	ND	--	--	--	6.45%	"	"	
Xylenes (total)	"	ND	---	1.00	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 88.5%*			*Limits: 58-144%*	"							*12/17/07 16:46*	
4-BFB (PID)		*99.0%*			*68-140%*	"							"	
Duplicate (7L17040-DUP2)					**QC Source: BQL0193-03**				**Extracted: 12/17/07 12:10**					
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	ND	--	--	--	NR	(25)	12/17/07 17:51	
Benzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Ethylbenzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Xylenes (total)	"	ND	---	1.00	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 86.9%*			*Limits: 58-144%*	"							*12/17/07 17:51*	
4-BFB (PID)		*98.0%*			*68-140%*	"							"	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	None	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/19/07 13:05

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 7L17040 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (7L17040-MS1)				**QC Source: BQL0201-01**					**Extracted: 12/17/07 12:10**					
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	911	---	50.0	ug/l	1x	22.0	1000	88.9%	(75-131)	--	--	12/17/07 18:24	
Surrogate(s): 4-BFB (FID)		*Recovery: 93.9%*		*Limits: 58-144%*	*"*								*12/17/07 18:24*	
Matrix Spike (7L17040-MS2)				**QC Source: BQL0193-03**					**Extracted: 12/17/07 12:10**					
Benzene	NWTPH-Gx/ 8021B	29.9	---	0.500	ug/l	1x	ND	30.0	99.6%	(46-130)	--	--	12/17/07 19:29	
Toluene	"	30.6	---	0.500	"	"	ND	"	102%	(60-124)	--	--	"	
Ethylbenzene	"	30.3	---	0.500	"	"	ND	"	101%	(56-141)	--	--	"	
Xylenes (total)	"	91.0	---	1.00	"	"	ND	90.0	101%	(66-132)	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 96.5%*		*Limits: 68-140%*	*"*								*12/17/07 19:29*	
Matrix Spike Dup (7L17040-MSD1)				**QC Source: BQL0201-01**					**Extracted: 12/17/07 12:10**					
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1040	---	50.0	ug/l	1x	22.0	1000	102%	(75-131)	13.0%	(25)	12/17/07 18:56	
Surrogate(s): 4-BFB (FID)		*Recovery: 94.2%*		*Limits: 58-144%*	*"*								*12/17/07 18:56*	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Secor-Redmond	Project Name:	**Westlake & Mercer**	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number:	None	Report Created:
Redmond, WA/USA 98073	Project Manager:	Matthew Davis	12/19/07 13:05

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Sandra Yakamavich, Project Manager

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2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BQL0191 ~~BQL0111~~ 12/14/07

CLIENT: Secor International
REPORT TO: 12034 134th Ct. NE
ADDRESS: Redmond, WA 98052
PHONE: 425-630-6210 FAX:

INVOICE TO: SO[redacted]
P.O. NUMBER:

PROJECT NAME: Westlake & Mercer
PROJECT NUMBER: 250535
SAMPLED BY: Matt Davis

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: HCL	HCL	REQUESTED ANALYSES: TPH-G	BTEX	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
1	EFR-1	12/13/07 12:40			X	X	W	3		
2	EFR-2	12/13/07 12:45			X	X				
3	EFR-3	12/13/07 12:50			X	X				
4	~~BS~~ MW-88	12/13/07 13:25			X	X				
5	MW-46	12/13/07 13:30			X	X				
6	MW-65	12/13/07 13:35			X	X				
7										
8										
9										
10										

RELEASED BY: Joe Rz
PRINT NAME: Joe Rounds
FIRM: Secor
DATE: 12/13/07
TIME: 14:43

RECEIVED BY: Cathy Gamble
PRINT NAME: Cathy Gamble
FIRM: TAL-Sea
DATE: 12/13/07
TIME: 14:43

RELEASED BY:
PRINT NAME:
FIRM:
DATE:
TIME:

RECEIVED BY:
PRINT NAME:
FIRM:
DATE:
TIME:

ADDITIONAL REMARKS:

TEMP: 10.4

COC REV 09/2004

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