



DATE: May 15, 2008

CONOCOPHILLIPS OPERATIONS AND MAINTENANCE REPORT

ConocoPhillips Facility No.: <u>255353</u>	Address: <u>600 Westlake Avenue North, Seattle, WA</u>
ConocoPhillips Project Manager:	<u>Kipp Eckert (RM&R 01396)</u>
Consulting Co./Contact Person:	<u>SECOR/Jennifer Yotz</u>
Consultant Project No.:	<u>01CP.01396.42</u>
Primary Agency/Regulatory ID No.:	<u>VCP No. NW 1714/Ecology Identifier No. 46445373</u>

The site is a former retail service station located at 600 Westlake Avenue North in Seattle, Washington (Figure 1). Remediation at the site is conducted using air sparge (AS), soil vapor extraction (SVE), and enhanced fluid recovery (EFR). The primary components of the AS/SVE system are a Gast 6066 AS blower, a Rotron EN858 regenerative SVE blower with knock-out tank, and two 2,000 pound vapor-phase carbon vessels used to treat the vapor effluent. The AS/SVE system is connected to three groups of wells. The first group of wells is located on-site, and consists of 20 AS wells and 5 SVE wells (Figure 2). Another group of wells is located in Westlake Avenue, and consists of 21 AS and 9 horizontal SVE wells. The last group of wells connected to the AS/SVE system is located in Terry Avenue, and consists of 9 vertical SVE wells. In addition to the AS/SVE system, there is an EFR manifold that is connected to 6 EFR wells located in Terry Avenue. Remediation well locations for Westlake and Terry Avenues are illustrated in Figure 3.

Currently, the AS/SVE well groups in Westlake and Terry Avenues are active, and the well group located on-site is inactive. Operations and maintenance events are conducted with the AS/SVE system on a monthly basis. Bi-weekly EFR events are conducted using the EFR manifold located along Terry Avenue.

WORK PERFORMED THIS QUARTER [First– 2008]:**Summary of Routine Operations and Maintenance Activities**

- On January 10, 2008, SECOR International, Inc. (SECOR) conducted an EFR event on wells EFR-1, EFR-2, EFR-3, MW-48, MW-65, and MW-88; located in Terry Avenue. The AS and SVE systems were not in operation pending the installation of a new SVE blower.
- On January 24, 2008, SECOR personnel conducted an EFR event on wells EFR-1, EFR-2, EFR-3, MW-48, MW-65, and MW-88.
- On February 7, 2008, SECOR personnel conducted an EFR event on wells EFR-1, EFR-2, EFR-3, MW-48, MW-65, and MW-88.
- On February 21, 2008, SECOR personnel conducted an EFR event on wells EFR-1, EFR-2, EFR-3, MW-48, MW-65, and MW-88.
- On March 6, 2008, SECOR personnel conducted an EFR event on wells MW-48 and MW-88. The scope of the EFR events was changed to focus on the two wells that still have contamination (MW-48 and MW-88) with occasional EFR events on all six wells to verify that the other 4 are clean. In addition, the sampling was modified to collect air and water samples at

the beginning and the end of the EFR events. Additional SECOR personnel were also onsite with Custom Backhoe to install a new Rotron EN858, 10 horsepower SVE blower capable of producing 98 in. H₂O Vacuum at 400 standard cubic feet per minute (SCFM). The SVE blower was installed and the AS/SVE system was restarted using the new SVE blower.

- On March 10, 2008, SECOR personnel along with personnel from Clearcreek Contractors were onsite to inspect and repair the sump pump located on the City Investor's property. The SVE blower was operating upon arrival. The AS compressor was running but not pushing any air. Further inspection indicated that the compressor pump needed replacement. The AS system was shut down upon departure from the site.
- On March 20, 2008, SECOR personnel conducted an EFR event on wells EFR-1, EFR-2, EFR-3, MW-48, MW-65, and MW-88.
- On March 26, 2008, SECOR personnel along with personnel from Custom Backhoe were onsite to install a new AS compressor. Monthly operations and maintenance activities were conducted after the installation was complete. The AS/SVE system was fully operational upon departure from the site.

Field and analytical data from the operations and maintenance event are included in tables 1 through 4 of this document. The field and analytical data collected during the EFR events described above are included in Tables 5 through 7 of this document.

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 first quarter of 2008 due to a malfunctioning SVE blower and then a malfunctioning AS compressor later in the quarter. Installation of a new Rotron EN858, 10 horsepower SVE blower was completed on March 6, 2008 and installation of a refurbished Gast 6066-P122, 5 horsepower AS compressor was completed on March 26, 2008. A total of 1,323 pounds of petroleum hydrocarbons have been removed by the SVE system between the first quarter of 2004 and the end of first quarter 2008. A total of 0.7 pounds of petroleum hydrocarbons were removed during the first quarter of 2008. Field notes have been included in Attachment A. Current and historical operations and maintenance information is included in Tables 1 through 4.

Summary of Monthly Discharge Sampling

SECOR personnel collected air samples from the SVE system on March 26, 2008 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 Volatile Organic Compounds (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 (collectively known as BTEX) per methods NWTPH-g and EPA 8021B, respectively. Analytical results are summarized in Table 2 and included in Attachment B.

No air samples were taken in January and February 2008 because the system was not operating.

Summary of the Enhanced Fluid Recovery Events

EFR events were conducted every-other week during the first quarter of 2008. The EFR events consisted of applying vacuum to 6 wells (EFR-1, EFR-2, EFR-3, MW-48, 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. During the March 6, 2008 EFR event, the scope of work was changed so that vacuum was applied only to the two wells that have still have contamination, wells MW-48 and MW-88, for approximately 8 hours. Future EFR events will be focused on MW-48 and MW-88 with occasional events on all six wells to ensure that wells EFR-1, EFR-2, EFR-3, and MW-65 are still unimpacted. PID and vacuum readings were taken from each of the wells periodically. Between January and March 2008, the applied vacuum to the EFR wells ranged between 7 and 16 inches of mercury vacuum (in. Hg) (Table 5). A total volume of 9,700 gallons of water was removed during the first quarter 2008 EFR events. VOC monitoring and air sample results indicated consistent 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 were 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. During the March 6, 2008 EFR event, air and water samples were collected at the beginning and end of the event from wells MW-48 and MW-88. Future EFR events will follow this sampling protocol. 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.

Due to a miscommunication between SECOR and Test America Laboratories, air samples collected during the February 7, 2008 EFR event were analyzed for BTEX constituents per EPA method 8260B. Additionally, SECOR discovered a unit conversion error in the laboratory report for samples collected on November 15, 2007. The data for this event has been corrected in the attached summary tables (Tables 6 and 7), and the revised analytical report has been included in Attachment B, with the analytical reports from the first quarter of 2008.

WORK PROPOSED FOR NEXT QUARTER [Second – 2008]:

- 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.
- Collect air and water samples from each of the applicable EFR wells near the beginning and end of each event.
- 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 Remediation Techniques:	AS/SVE and EFR	(SVES, LPH Removal, etc.)
Permits for Discharge:	PSCAA No. 8905	(NPDES, POTW)
Approximate Depth to Groundwater:	2.89 to 15.33	(Feet)
Maximum Air TPH-G/Benzene Concentrations:	TPH-g = 2.63 ppmV (MW-88) benzene = not detected	(ppmV)

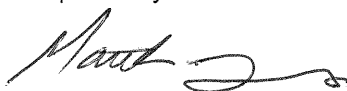
ATTACHMENTS:

- 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: SVE System Analytical Data
- Table 3: Air Sparge Unit Operational Summary
- Table 4: Deep Air Sparge Unit Operational Summary
- Table 5: EFR Field Data
- Table 6: EFR Air Analytical Results
- Table 7: 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

Prepared By:



Matthew Davis
Project Geologist

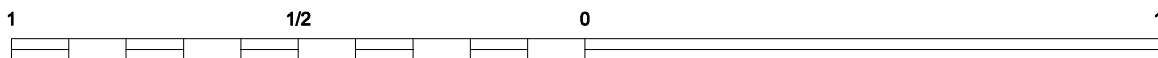
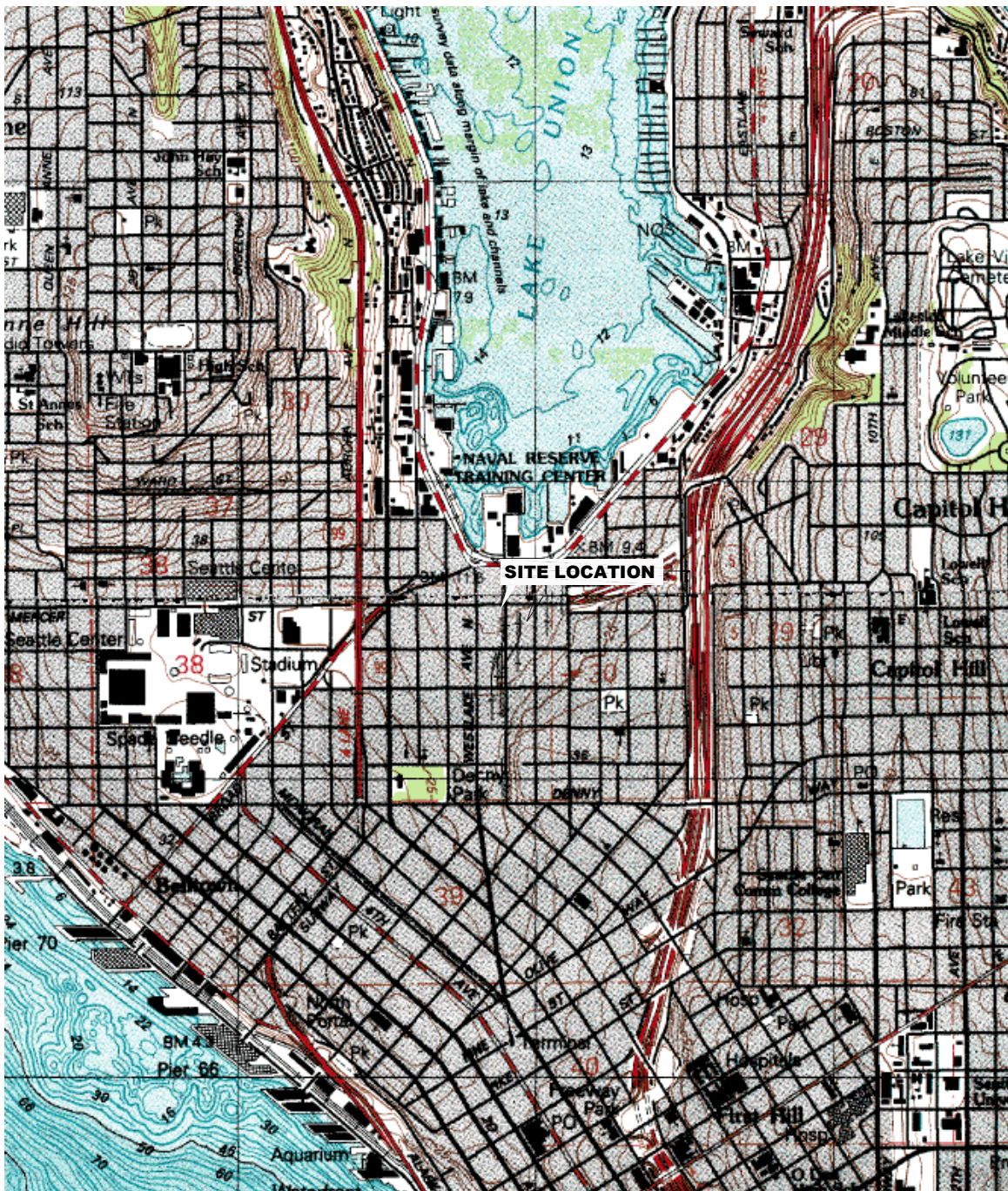
Reviewed By:



Jennifer Yotz
Senior Project Manager

cc: Michael Kuntz, Department of Ecology, Voluntary Cleanup Program

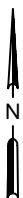
FIGURES



SCALE IN MILE



SCALE IN FEET



WASHINGTON

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

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SECOR

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FOR:

ConocoPhillips

FACILITY NO. 255353
600 WESTLAKE AVE NORTH
SEATTLE, WASHINGTON

SITE LOCATION MAP

FIGURE:

1

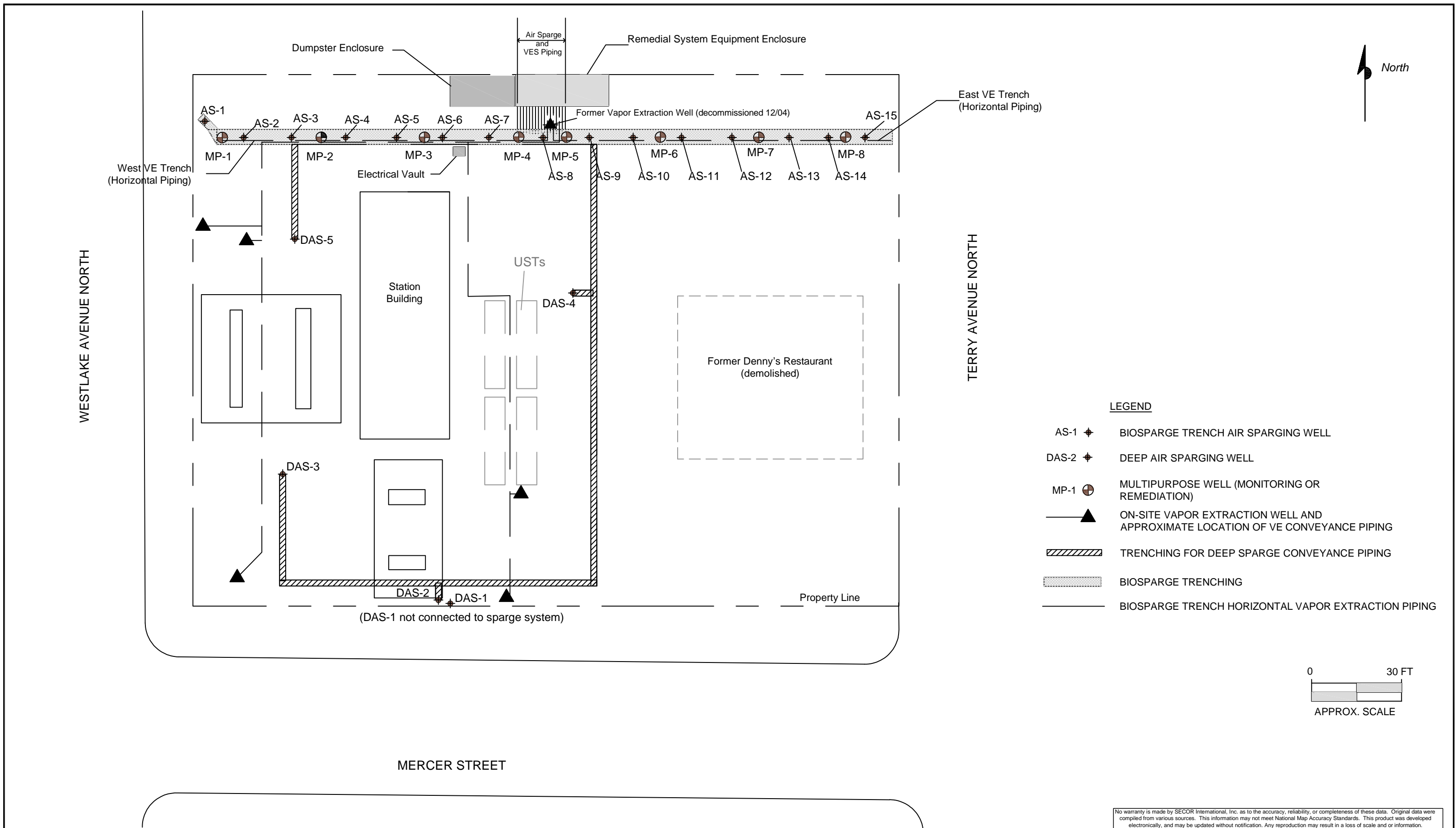
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01/28/08

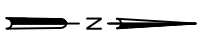
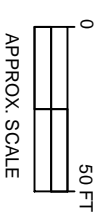
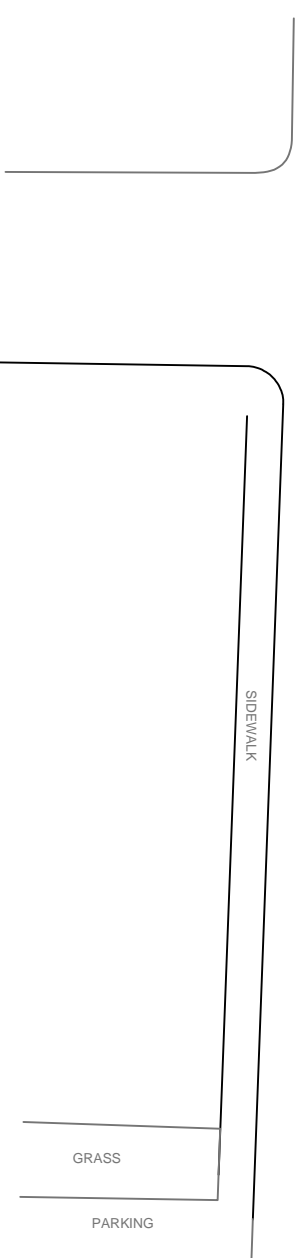
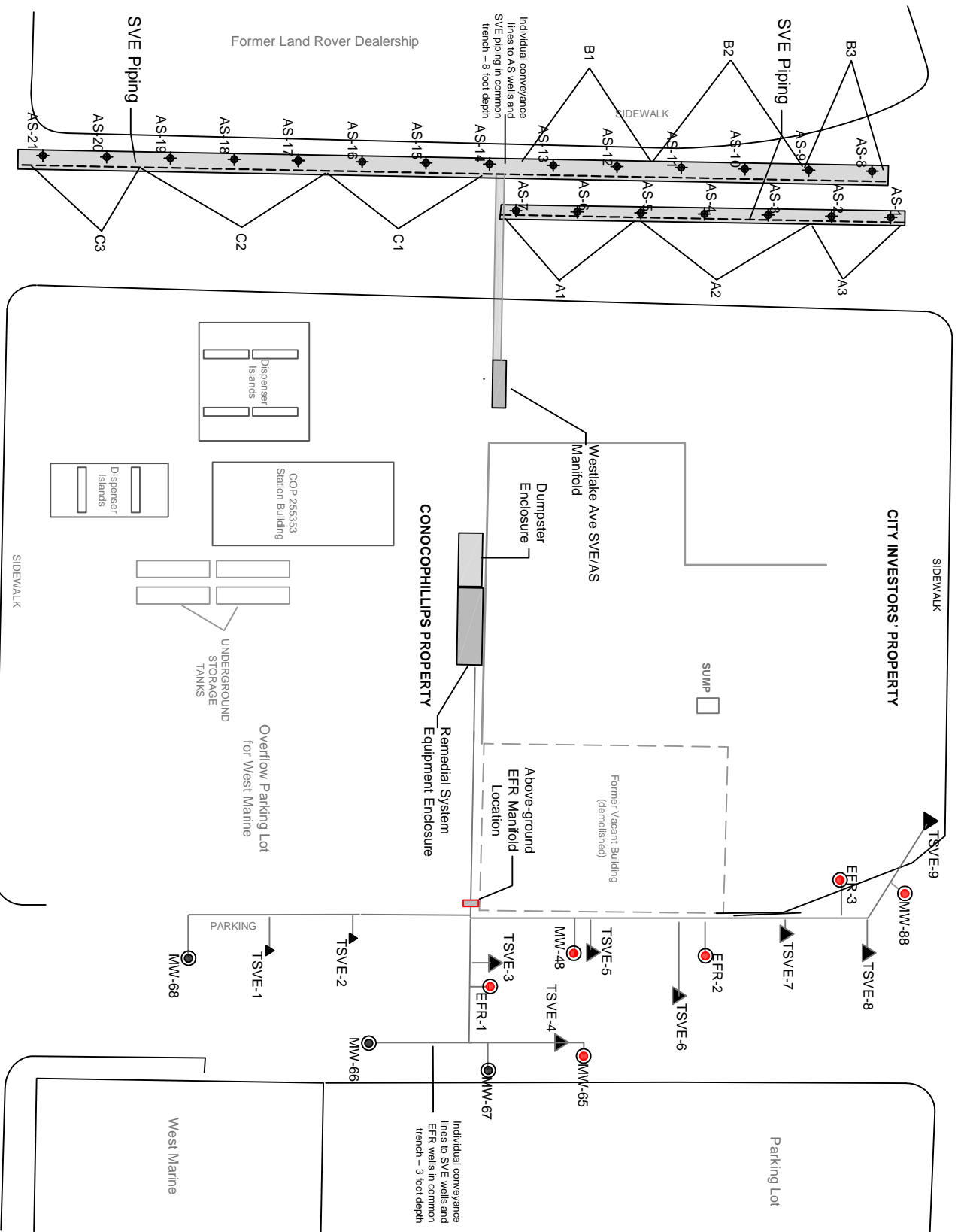


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 <p>SECOR 12034 134th COURT NE SUITE 102 REDMOND, WASHINGTON</p>	<p>FOR:</p>  <p>ConocoPhillips FACILITY NO. 255353 600 WESTLAKE AVENUE NORTH SEATTLE, WASHINGTON</p>	<p>SITE PLAN WITH AS/SVE SYSTEM LAYOUT</p>		<p>FIGURE: 2</p>
	<p>JOB NUMBER:</p>	<p>DRAWN BY:</p>	<p>CHECKED BY:</p>	<p>APPROVED BY:</p>

South Lake Union Park

- LEGEND**
- ◆ AS-1 AIR SPARGE WELL (AS)
 - MW-68 SOIL VAPOR EXTRACTION WELL (SVE)
 - ▲ TSV-E-1 SOIL VAPOR EXTRACTION WELL (SVE)
 - EFR-1 ENHANCED FLUID RECOVERY WELL (EFR)
 - C-1 HORIZONTAL SVE LEGS



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<p>12024, 134th COURT NE, SUITE 102 REDMOND, WASHINGTON PH (425) 372-1800/FAX (425) 372-1650</p>	<p>JOB NUMBER: 01CP-01396.41</p> <p>DRAWN BY: EMS</p>	<p>CHECKED BY: JY</p> <p>APPROVED BY: JY</p> <p>DATE: 3/4/08</p>
<p>SITE MAP WITH WESTLAKE AND TERRY AVE. SYSTEM LAYOUTS</p>		<p>FIGURE: 3</p>

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	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	15.1 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							
01/31/08	System Down Pending Installation of New Blower							
02/29/08	System Down Pending Installation of New Blower							
03/06/08	0	NM	25	378	0	0	0	0.0
03/26/08	20	NM	15	83.5	1	0	0	0.7
Total To Date	1,074⁷							1,323⁸
Total for 2008	20							0.7

Notes:

KWH = kilowatt-hours

SCFM = standard cubic feet per minute

ppm = parts per million

NM = not measured

¹ Flowrate calculated based on air velocity measurements 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
SVE System Analytical Data
 ConocoPhillips Site No. 255353
 600 Westlake Avenue North
 Seattle, Washington

Sample ID	Date	TPH-g (ppmV)	Benzene (ppmV)	Toluene (ppmV)	Ethylbenzene (ppmV)	Total Xylenes (ppmV)
Total Influent	10/01/07	5.17	0.0783	0.0479	<0.0227	<0.0454
	10/24/07	5.14	0.0655	<0.0261	<0.0227	<0.0454
	03/26/08	4.14	<0.0308	0.0309	<0.0227	<0.0454
Mid-Point	10/01/07	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
	10/24/07	<2.36	<0.0308	0.04	<0.0227	<0.0454
	03/26/08	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
Total Effluent	10/24/07	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
	03/26/08	<2.36	<0.0308	<0.0261	<0.0227	<0.0454

**TABLE 3
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 3
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
01/31/08	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO
02/29/08	System Down Pending Installation of New Compressor															
03/06/08	11.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
03/26/07	9	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
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 4
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
01/31/08	NIO	NIO	NIO	NIO	NIO	NIO
02/29/08	NIO	NIO	NIO	NIO	NIO	NIO
03/26/08	NIO	NIO	NIO	NIO	NIO	NIO

TABLE 4
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 5
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)	
10/24/07	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	
11/15/07	9:00	4.4	NR	4.4	NR	4.4	NR	NA	NA	NA	NA	NA	NA	1,018
	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	
11/29/07	9:15	5.9	0.3	5.5	0.1	5.5	0.2	NA	NA	NA	NA	NA	NA	1,425
	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	
12/13/07	9:00	6.3	0.5	6.3	0.6	6.3	0.5	NA	NA	NA	NA	NA	NA	1,636
	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	
12/27/07	8:10	NA	NA	NA	NA	NA	NA	6.6	1.2	6.6	3.7	6.6	10.1	1,769
	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	
01/10/08	9:05	9.0	0.0	9.0	5.3	9.0	0.0	NA	NA	NA	NA	NA	NA	1,253
	10:25	9.0	0.0	9.0	0.0	9.0	0.0	NA	NA	NA	NA	NA	NA	
	11:30	9.0	0.0	9.0	0.0	9.0	0.0	NA	NA	NA	NA	NA	NA	
	12:25	9.0	0.0	9.0	0.0	9.0	0.0	NA	NA	NA	NA	NA	NA	
	13:00	NA	NA	NA	NA	NA	NA	9	0.0	9	0.0	9	0.0	
	14:20	NA	NA	NA	NA	NA	NA	9	0.0	9	0.0	8.5	0.0	
	15:40	NA	NA	NA	NA	NA	NA	8.5	NR	9	NR	9	NR	
01/24/08	9:53	8.0	0.0	8.0	0.2	8.0	0.0	NA	NA	NA	NA	NA	NA	1,936
	10:50	9.0	0.0	8.0	0.0	8.0	0.0	NA	NA	NA	NA	NA	NA	
	11:30	9.0	0.1	8.0	0.0	8.0	0.0	NA	NA	NA	NA	NA	NA	
	12:15	8.0	0.0	8.0	0.0	8.0	0.0	NA	NA	NA	NA	NA	NA	
	13:20	8.0	0.0	8.0	0.0	8.0	0.0	NA	NA	NA	NA	NA	NA	
	13:30	NA	NA	NA	NA	NA	NA	8	0.0	8	0.0	9	0.0	
	14:00	NA	NA	NA	NA	NA	NA	8	0.0	8	0.0	8	0.0	
	14:30	NA	NA	NA	NA	NA	NA	8	0.2	9	0.0	8	0.1	
	15:30	NA	NA	NA	NA	NA	NA	8	0.0	8	0.0	8	0.1	
	16:30	NA	NA	NA	NA	NA	NA	8	0.0	9	0.0	8	0.0	

TABLE 5
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)	
02/07/08	10:35	14.0	0.0	14.0	0.1	14.0	0	NA	NA	NA	NA	NA	NA	1,497
	11:15	15.0	0.0	15.0	0.4	14.0	0	NA	NA	NA	NA	NA	NA	
	11:35	16.0	0.0	16.0	0.2	16.0	0	NA	NA	NA	NA	NA	NA	
	12:35	16.0	0.0	16.0	0.0	16.0	0	NA	NA	NA	NA	NA	NA	
	12:50	NA	NA	NA	NA	NA	NA	13	0.0	13	0.0	13	0.0	
	13:30	NA	NA	NA	NA	NA	NA	13	0.2	13	1.1	13	0.0	
	14:30	NA	NA	NA	NA	NA	NA	12	0.2	13	0.0	13	0.0	
	15:00	NA	NA	NA	NA	NA	NA	12	0.0	13	0.0	13	0.0	
	16:00	NA	NA	NA	NA	NA	NA	12	0.0	12	0.0	12	0.0	
	16:30	NA	NA	NA	NA	NA	NA	12	0.0	13	0.0	13	0.0	
17:00	NA	NA	NA	NA	NA	NA	13	0.0	13	0.0	12	0.0		
17:30	NA	NA	NA	NA	NA	NA	13	0.0	13	0.0	13	0.0		
02/21/08	8:17	12.0	0.0	12.0	0.0	12.0	0	NA	NA	NA	NA	NA	NA	1,077
	8:50	16.0	0.0	16.0	0.0	16.0	0	NA	NA	NA	NA	NA	NA	
	9:15	13.0	0.0	13.0	0.0	13.0	0	NA	NA	NA	NA	NA	NA	
	9:45	10.0	0.0	9.0	0.0	9.0	0	NA	NA	NA	NA	NA	NA	
	10:30	9.0	0.0	9.0	0.0	9.0	0	NA	NA	NA	NA	NA	NA	
	11:00	9.0	0.0	10.0	0.0	11.0	0	NA	NA	NA	NA	NA	NA	
	12:00	15.0	NR	15.0	NR	15.0	NR	NA	NA	NA	NA	NA	NA	
	12:20	NA	NA	NA	NA	NA	NA	10	0.0	10	0.0	10	0.0	
	13:00	NA	NA	NA	NA	NA	NA	12	0.0	11	0.0	12	0.0	
	13:51	NA	NA	NA	NA	NA	NA	12	0.0	12	0.0	12	0.0	
14:15	NA	NA	NA	NA	NA	NA	12	0.0	12	0.0	12	0.0		
15:00	NA	NA	NA	NA	NA	NA	12	0.0	12	0.0	12	0.0		
15:25	NA	NA	NA	NA	NA	NA	12	0.0	12	0.0	12	0.0		
16:10	NA	NA	NA	NA	NA	NA	12	0.0	12	0.0	12	0.0		
03/06/08	9:00	NA	NA	NA	NA	NA	NA	12	0.0	NA	NA	12	0.0	1,936
	9:30	NA	NA	NA	NA	NA	NA	15	0.0	NA	NA	15	0.0	
	10:05	NA	NA	NA	NA	NA	NA	15	0.0	NA	NA	15	0.0	
	10:50	NA	NA	NA	NA	NA	NA	15	0.0	NA	NA	15	0.0	
	11:20	NA	NA	NA	NA	NA	NA	12	0.0	NA	NA	12	0.0	
	12:20	NA	NA	NA	NA	NA	NA	12	0.0	NA	NA	12	0.0	
	12:45	NA	NA	NA	NA	NA	NA	15	0.0	NA	NA	15	0.0	
	13:20	NA	NA	NA	NA	NA	NA	15	0.0	NA	NA	15	0.0	
	14:00	NA	NA	NA	NA	NA	NA	13	0.0	NA	NA	13	0.0	
15:00	NA	NA	NA	NA	NA	NA	15	0.0	NA	NA	15	0.0		
15:39	NA	NA	NA	NA	NA	NA	14	0.0	NA	NA	14	0.0		
16:30	NA	NA	NA	NA	NA	NA	15	0.0	NA	NA	15	0.0		
03/20/08	8:30	12.0	0.0	12.0	0.0	12.0	0	NA	NA	NA	NA	NA	NA	

TABLE 5
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)	
	9:20	10.0	0.0	10.0	0.0	10.0	0	NA	NA	NA	NA	NA	NA	2,001
	10:00	7.0	0.0	7.0	0.0	7.0	0	NA	NA	NA	NA	NA	NA	
	10:30	9.0	0.0	9.0	0.0	9.0	0	NA	NA	NA	NA	NA	NA	
	11:30	9.0	0.0	9.0	0.0	9.0	0	NA	NA	NA	NA	NA	NA	
	12:00	8.0	0.0	9.0	0.0	9.0	0	NA	NA	NA	NA	NA	NA	
	12:10	NA	NA	NA	NA	NA	NA	7	0.0	8	0.0	8	0.0	
	13:00	NA	NA	NA	NA	NA	NA	9	0.0	10	0.0	11	0.0	
	13:30	NA	NA	NA	NA	NA	NA	9	0.1	9	0.0	9	0.0	
	14:10	NA	NA	NA	NA	NA	NA	7	0.0	7	0.0	7	0.0	
	15:15	NA	NA	NA	NA	NA	NA	12	0.0	12	0.0	12	0.0	

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 6
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 ^a	<2.36	<0.617	<0.523	<0.454	<0.908
	12/13/2007	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
	1/10/2008	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
	2/7/2008 ^a	<2.36	<0.617	<0.523	<0.454	<0.908
	3/20/2008	<2.36	<0.0308	<0.0261	<0.0227	0.0485
EFR-2	11/15/2007 ^a	<2.36	<0.617	<0.523	<0.454	<0.908
	12/13/2007	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
	1/10/2008	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
	2/7/2008 ^a	<2.36	<0.617	<0.523	<0.454	<0.908
	3/20/2008	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
EFR-3	11/15/2007 ^a	<5.9	<0.617	<0.523	<0.454	<0.908
	12/13/2007	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
	1/10/2008	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
	2/7/2008 ^a	<2.36	<0.617	<0.523	<0.454	<0.908
	3/20/2008	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
MW-48	11/15/2007 ^a	6.02	<0.617	<0.523	<0.454	<0.908
	12/13/2007	2.55	0.179	0.0458	0.144	0.300
	1/10/2008	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
	2/7/2008 ^a	<2.36	<0.617	<0.523	<0.454	<0.908
	3/6/2008	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
	3/6/2008	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
	3/20/2008	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
MW-65	11/15/2007 ^a	3.21	<0.617	<0.523	<0.454	<0.908
	12/13/2007	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
	1/10/2008	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
	2/7/2008 ^a	<2.36	<0.617	<0.523	<0.454	<0.908
	3/20/2008	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
MW-88	11/15/2007 ^a	539	<0.617	<0.523	<0.454	<0.908
	12/13/2007	7.98	0.0682	0.0792	0.532	0.596
	1/10/2008	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
	2/7/2008 ^a	<2.36	<0.617	<0.523	<0.454	<0.908
	3/6/2008	<2.36	<0.0308	<0.0261	<0.0227	<0.0454
	3/6/2008	2.63	<0.0308	0.0262	0.0308	0.108
	3/20/2008	<2.36	<0.0308	<0.0261	<0.0227	<0.0454

Notes:

ppmV = parts per million Volume

< - Analytical results were below the reported detection limits

NA - Not Applicable

NR - Not recorded

TABLE 7
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
	1/10/2008	<50	<0.500	<0.500	<0.500	<1.00
	2/7/2008	<50	<0.500	<0.500	<0.500	<1.00
	3/20/2008	<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
	1/10/2008	<50	<0.500	<0.500	<0.500	<1.00
	2/7/2008	<50	<0.500	<0.500	<0.500	<1.00
	3/20/2008	<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
	1/10/2008	<50	<0.500	<0.500	<0.500	<1.00
	2/7/2008	<50	<0.500	<0.500	<0.500	<1.00
	3/20/2008	<50	<0.500	<0.500	<0.500	<1.00
MW-48	11/15/2007	223	1.13	6.69	<0.500	7.02
start end	12/13/2007	262	6.02	1.84	6.85	19.0
	1/10/2008	353	3.66	<0.500	10.3	21.3
	2/7/2008	333	0.798	<0.500	9.09	14.6
	3/6/2008	125	0.652	<0.500	2.46	4.35
	3/6/2008	64.4	0.516	<0.500	1.47	3.05
	3/20/2008	125	<0.500	<0.500	2.04	3.60
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
	1/10/2008	<50	<0.500	<0.500	<0.500	<1.00
	2/7/2008	148	0.931	<0.500	2.45	3.91
	3/20/2008	<50	<0.500	<0.500	<0.500	<1.00
MW-88	11/15/2007	2,980	2.00	19.6	<0.500	54.5
start end	12/13/2007	893	2.05	<0.500	42.9	55.0
	1/10/2008	933	2.64	<0.500	46.4	54.4
	2/7/2008	3750	1.81	<0.500	168	285.0
	3/6/2008	1840	2.18	<0.500	69.9	120.0
	3/6/2008	1810	2.23	<0.500	81.9	172.0
	3/20/2008	2910	4.51	0.795	130	239.0
MTCA Method A Cleanup Level for Groundwater		800^d	5	1000	700	1000

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



SECOR

Field Report

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FIELD OFFICE: COV	DATE 3/6/08	PAGE 1 OF 2	CLIENT COP
TO:	PROJECT NO. 5353	TASK NO.	SUBCONTRACTOR CUSTOM backhoe
	LOCATION Seattle, WA		
	WEATHER Cloudy	TEMP. 55° F	

CHRONOLOGY OF FIELD ACTIVITIES/ISSUES/OBSERVATIONS

745- onsite. Gasby from CB onsite.

815- Conducted H₂S Meeting. MARTIN and Vac truck onsite for H₂S. ERIC STANKERSON and Cascade onsite for Wall Box Repair.

- Began Removing SVL Blower and shallow storage Blower.

- 900 - Scott Overdick of CB onsite.

- continued Removing SVL and storage Blowers.

1000 - received call from SAIA Motor Freight. New storage Blower has been lost in shipment.

1100 - Installed new SVL Blower.

1200 - Moved old SVL Blower and shallow storage Blower to investors property.

1300 - CB offsite.

- Conducted H₂S site walk.

- Noted 3 drums w/ haz waste labels. Spoke w/ manager of store. The drums are holding water from the diesel tank sump.

1430 - Started Remediation system. Took readings.

1410 - offsite.

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



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FIELD OFFICE: 001	DATE 3/6/08	PAGE 2 OF 2	CLIENT COP
TO:	PROJECT NO. 5353	TASK NO.	SUBCONTRACTOR Castron backhoe
	LOCATION Seattle WA		
	WEATHER cloudy	TEMP. 55° F	

CHRONOLOGY OF FIELD ACTIVITIES/ISSUES/OBSERVATIONS

- SECOR Signs on Terry Ave Manifold and system enclosure
- Hard hat / Safety glasses signs
- 2 IP TEs
- Pressure gage before heat exchanger needs replaced (0-30 PSI)
- Several gages on storage points and replaced (0-30 PSI back mount)
- Need silencer on SVE KO drum
- Move hoses so they aren't tripping hazards
- Clean up compound
- Cone off area around elevated walkway along Terry Ave. and debris pile in city investors property.

SYSTEM NOTES - Started system @ 1536.

- SVE and decel as started.
- Terryave Manifold Oper (all wells open 1 Full turn)
- Water is observed in ve lines @ Manifold.
- Westlake Manifold wells 100% open.
- KO vac set to 25" H₂O
- Storage set to 11.5 PSI
- Carbon Influent Flowrate = 7700 F/M @ 115° F
- INF PID reading = 0.0 PPM M:O = 0.0 EFF = 0.0

- System Hours = 3416 hours

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



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FIELD OFFICE:	DATE 3/10/08	PAGE	CLIENT COP
TO:	PROJECT NO. 1396	TASK NO.	SUBCONTRACTOR Clearcreek
	LOCATION Seattle WA		
	WEATHER cloudy	TEMP. 50°	

CHRONOLOGY OF FIELD ACTIVITIES/ISSUES/OBSERVATIONS:

MATT DAVIS

900 - Onsite w/ Clearcreek. Conducted H³S Meeting.

930 - Began Pulling Pump. PVC piping at Pump Broke.

- Pump System is activated by an external float switch.
- IT appears float switch system is not operating correctly. Pump does not turn on.

- Will need to hire electrician to inspect and repair.

1030 - repaired pipe at pump and ~~removed~~ put grate back over sump.

1230 - Clear creek offsite.

~~1230~~

1235 - checked up on system. S/Vs still running.

total H₂S = 3.2 ppm / M.I.D = 0.0 / EFP = 0.0

- AS blower running but no air being discharged.
- valves are likely shot.
- took pictures of blower.

1300 - on offsite.

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



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FIELD OFFICE:	DATE 3/26/08	PAGE 1	CLIENT COP
TO:	PROJECT NO. 5353	TASK NO.	SUBCONTRACTOR
	LOCATION Seattle, WA		
	WEATHER Cloudy	TEMP. 55°F	

CHRONOLOGY OF FIELD ACTIVITIES/ISSUES/OBSERVATIONS

- SYSTEM readings

- KO VAC = 15" H₂O

- AS PRESSURE = 9 PSI

- TOTAL VE Flowrate = 1700 ft/min w/ 3" hose

Total INF VOC's = 1.0

MID VOC's = 0.0

Total EFF VOC's = 0.0

Air SAMPLES

TOTAL INF @ 1505

MID @ 1507

TOTAL EFF @ 1510

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

RAIN 48°F

MT, MD ON-SITE

WATES/396

REM: 7070

SAMPLE 1st THU OF MONTH
VAC ONLY 2nd THU OF MONTH

- TRUCK LL CAP OFF - ADJUSTS VAC, SET

- VAC @ 7-12 "Hg Pull

- VAC 1st 3 WELLS, SAMPLE H₂O/AIR AFTER 1 HR, PID READINGS EACH 1/2
(4 HRS) START: 8:35 STOP

- VAC 2nd 3 WELLS
(4 HRS)

WELL ID'S 1st(3) = EFR1, EFR2, EFR3

TURN ON 2nd SET WELLS BEFORE CLOSING 1st

2nd(3) = MW-84, MW-40, MW-05

- * WHEN SAMPLING: - MAX PUMP TO AWS SEPARATE, ATTACH HOSE, P₂
- Pull to fill line
- Disconnect, take H₂O SAMPLE FM SAMPLE POINT

12:30

- OPENED WELLS: MW-88, MW-46, MW-65
- CLOSED EFR WELLS
- CHECKED VALLUM

4:30: TURNED VAC TRUCK OFF, CLOSED WELLS. DECON, BREAKDOWN EQUIPMENT
4:40 29 min

ON SITE @ 0600

* EFR OJM STREET WEL.

DAILY A-B'S WORK PERFORMED; JER

WEATHER: RAIN

Temp: 40° F

PERSONNEL: M. DAVIS, M. TORNEY

SUBCONTRACTOR: AMW

OFF SITE @ 500 PM

X *Matthew*

1/10/86

* CLEAN PID SENSOR.

TEST AIR/H₂O

TPH6

RTEX

Well	Time	Vac	PID ₂ (Calibrated @ 9:10 on 1/10/05)
EFR-1	9:05	9 inHg	0.0 ppm @ 9:10 AM
EFR-2	9:05	9 inHg	0.0
EFR-3	9:05	9 inHg	5.3 0.0 ppm
EFR-1	10:25	9 inHg	0.0
EFR-2	10:25	9 inHg	0.0
EFR-3	10:25	9 inHg	0.0
EFR-1	11:30	9 inHg	0.0
EFR-2	11:30	9 inHg	0.0
EFR-3	11:30	9 inHg	0.0
EFR-1	12:25	9 inHg	0.0
EFR-2	12:25	9 inHg	↓
EFR-3	12:25	9 inHg	↓
MW-88	1:00	9 inHg	0.0
MW-46	1:00	9 inHg	↓
MW-65	1:00	9 inHg	↓
MW-88	2:20	9 inHg	0.0
MW-46	2:20	8.5 inHg	0.0
MW-65	2:20	9 inHg	0.0
MW-88	3:40	9 inHg	
MW-46	3:40	9 inHg	
MW-65	3:40	8.5 inHg	


H₂O
 EFR-1 @ 10:00
 EFR-2 @ 10:15
 EFR-3 @ 10:20

AIR
 EFR-1 @ 10:30
 EFR-2 @ 10:29
 EFR-3 @ 10:28

H₂O
 MW-88 @ 13:07
 MW-46 @
 MW-65 @

AIR
 MW-88 13:19
 MW-46 13:20
 MW-65 13:21

• TANKS 1/2 Full air R₂
 @ 1253 Gallons

		<h2 style="text-align: center;">Field Report</h2>			GEO-301	
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				Rev. 0	Apr 2005	
FIELD OFFICE: OICP REYNOL		DATE	PAGE	CLIENT		
		1/24/08	1	CP		
		PROJECT NO.	TASK NO.	SUBCONTRACTOR		
TO: FIELD OFFICE		255353		EMERALD		
OPERATIONS & MAINTENANCE		LOCATION				
FIELD SHEET 1/24/08		WESTLAND & MARLER SEATTLE, WA				
		WEATHER			TEMP.	
		CLOUDY / SUN			38°F	
<h3>CHRONOLOGY OF FIELD ACTIVITIES/ISSUES/OBSERVATIONS</h3>						
07:55 MT ON-SITE. CALL-IN, CHECK-IN w/ CLERK & WEST MARINE						
08:00 Fill out PTW, HASP, SITE WALK, PPE, DELINEATORS						
08:50 CALL-IN TO BOEKZ						
8:25 VAC TRUCK ON-SITE, WAS GIVEN ADDRESS ON ELLIOT STREET						
8:30 HASP, PTW, WORK PLAN, PPE, VAC SINGLE OUT OF DRAIN						
8:47 RELOCATE TO COMPUND "CITY INVESTORS" BEGIN VAC EVENT. 1000						
9:53 TAKING 2nd SET OF READINGS						
10:15 CHECK VAC * NOTE Puddle in "CITY INVESTORS LOT" HAS A DRAIN #						
10:30 CHECK PHONE MESSAGES						
10:40 ADAMS TAKES BATHROOM BREAK, I WATCH RE / DELINEATORS.						
10:53 TAKE READINGS 11:00 CALL TAMMY.						
11:20 MORE VAC READINGS, CONT TO STABILIZE, JUST ABOVE ZERO ON TRANOM.						
12:30 READINGS / 12:17 READINGS OK, CALIBRATE PID X 2, NOT MUCH H ₂ O						
13:00 READINGS / PREP SWITCH. / TALK w/ JEN & WEN DEPTH.						
13:45 VAC TRUCK IS 1/4 FULL, MORE H ₂ O IN WELLS: MW:58, MW:46, MW:66;						
14:20 VAC CONTINUES, P/M TRASH. / Puddle in "INVESTORS LOT" SAME LEVEL. / TAKE READINGS...						
15:45 @ JUST OVER 1/2 TANK FULL / READINGS @ 15:30.						
16:00 VAC CONT.						
16:30 FINAL SET UP READINGS						
16:45 BREAK DOWN / BEGIN EQUIPMENT. / SPOT ADAM LOT OF SIZE						
17:00 CHECK OUT w/ CLERK CALL BOEK / TAMMY.						
EQUIPMENT USED:		SUBCONTRACTOR HOURS:		STAFF HOURS:		
PID, PUMP, LAUNCH, METER						
MILEAGE:		REVIEWED BY:				
CC:		PREPARED BY: M.A. TOLLEY				

WestLake Bi-Monthly EFR Event Data Table

DATE: 1/24/08

Well ID	Time	Vacuum	VOC's PID (PPM)	AIR Sample @	Water Sample @	
				1/10/08	1/10/08	
EFR-1	9:53	8 inHg	0.0	↓	↓	
EFR-2	9:53	8 inHg	0.2			
EFR-3	9:53	8 inHg	0.0			
EFR-1	10:50	9 inHg	0.0			
EFR-2	10:50	8 inHg	0.0			
EFR-3	10:50	8 inHg	0.0			
EFR-1	11:30	9 inHg	0.1			
EFR-2	11:30	8 inHg	0.0			
EFR-3	11:30	8 inHg	0.0			
EFR-1	12:15	1:20	8 inHg	0	0.0	
EFR-2	12:15	1:20	8 inHg	0	0.0	
EFR-3	12:15	1:20	8 inHg	0	0.0	
MW-88	1:30	2:20	8 inHg	8 inHg	0.0	0.0
MW-46	1:30	2:20	8 inHg	8 inHg	0.0	0.0
MW-65	1:30	2:20	8 inHg	8 inHg	0.0	0.0
MW-88	2:30		9 inHg		0.0	
MW-46	2:30		8 inHg		0.1	
MW-65	2:30		8 inHg		0.2	
MW-88	3:30		8 inHg		0.0	
MW-46	3:30		8 inHg		0.1	
MW-65	3:30		8 inHg		0.0	
MW-88	4:30		9 inHg		0.0	
MW-46	4:30		8 inHg		0.0	
MW-65	4:30		8 inHg		0.0	

Pulling H₂O well 1/4 - 1/2 Full. ON TRUCK

NOTES: PID CALIBRATED ON SITE 1/24 @ 08:10 AM


START/STOP VAC: 9:30 → 10:30
EFR-1 → 3

START/STOP VAC: 1:30 - 5:30
MW-88
MW-46
MW-65

GALLONS TOTAL @ 193 G

@ 1:45 1/4 Full H₂O
@ 3:45 1/2 Full

WEST LAKE EFR FIELD REPORT.

		<h2 style="text-align: center;">Field Report</h2>		GEO-301	
				Page 1 of 1	
Rev. 0		Apr 2005			
FIELD OFFICE: <i>CP</i>		DATE	PAGE	CLIENT	
<i>REDWOOD</i>		<i>2/7/05</i>	<i>1</i>	<i>CP</i>	
TO:		PROJECT NO.	TASK NO.	SUBCONTRACTOR	
		<i>1396</i>	<i>3301</i>	<i>EMERALD SERVICES</i>	
		LOCATION		WEATHER	
		<i>WEST LAKE & MARIEN</i>		<i>WEATHER CLEAR</i>	
				TEMP.	<i>38°</i>
<p>CHRONOLOGY OF FIELD ACTIVITIES/ISSUES/OBSERVATIONS</p> <p><i>09:45 ON-SITE. (PPLE. ADAM W/ EMERALD SERVICES HERE</i></p> <p><i>08:00 BEAN PTW / HAS? / WORK PLAN.</i></p> <p><i>08:05 CALLED INTO JOE RUMPS; SET-UP DELINEATORS.</i></p> <p><i>08:15 CHECK-IN W/ BROWN FROM WEST LAKE & STAKE CLEAR</i></p> <p><i>08:20 BEGIN VAC OF Puddle in PARKING LOT</i></p> <p><i>08:30 CONT. VAC OF Puddle IN W/IN LAY / TRUCK FULL.</i></p> <p><i>09:00 PICK-UP TRASH, SET-UP EQUIPMENT. FOR SAMPLING ETC</i></p> <p><i>09:27 JEN TAKES WALK-BY OFF SITE W/ CITY INSPECTORS</i></p> <p><i>09:40 ALICE CARLSON ON SITE, PERFORMS SAFE</i></p> <p><i>10:00 VAC TRUCK RETURNS. SET-UP & BEGIN VAC ON WELL MANIFOLD</i></p> <p><i>10:55 ALICE CARLSON OFF-SITE, WILL RETURN IN PM.</i></p> <p><i>12:50 SWITCH TO 2ND OF WELLS AFTER TAKING SAMPLES (AIR & WATER)</i></p> <p><i>1:00 CONT</i></p> <p><i>2:30 MDAVIS ON-SITE, DELIVER SAMPLES / ALICE ON SITE → SAFETY REL.</i></p> <p><i>* DOCUMENT VAC MAINTENANCE LOGS</i></p> <p><i>* WATCH VIDEO ON EACH JOB.</i></p> <p><i>+ SWM PRACTICE.</i></p> <p><i>50 Bucket from DENNY SITE & 55 G DRUM OF H₂O ALSO VAC'D OUT ON-SITE</i></p>					
EQUIPMENT USED:		SUBCONTRACTOR HOURS:		STAFF HOURS: <i>10</i>	
MILEAGE:		REVIEWED BY:			
CC:		PREPARED BY: <i>Matt Tolley</i>			

WestLake Bi-Monthly EFR Event Data Table

DATE: 2/7/08

Well ID	Time	Vacuum (inHg)	VOC's PID (PPM)	AIR Sample @	Water Sample @
EFR-1	10:25	14 (inHg)	0.0	12:40	11:45
EFR-2	10:35	14	0.1	12:42	12:00
EFR-3	10:35	14	0.0	12:44	12:15

EFR-1	11:15	15 (inHg)	0.0
EFR-2	11:15	15 (inHg)	0.4
EFR-3	11:15	14 (inHg)	0.0

EFR-1	11:35	16	0.0
EFR-2	11:35	16	0.2
EFR-3	11:35	16	0.0

EFR-1	12:35	16 inHg	0.0
EFR-2	12:35	16 inHg	0.0
EFR-3	12:35	16 inHg	0.0

MW-88	1:50	13 inHg	0.0	AIR 1:45	AW 1:30
MW-46	1:50	13 inHg	0.0	1:48	1:35
MW-65	1:50	13 inHg	0.0	1:50	1:35

MW-88	1:30	13 inHg	1.1
MW-46	1:30	13 inHg	0.0
MW-65	1:30	13 inHg	0.2

MW-88	2:30	13 inHg	0.0
MW-46	2:30	13 inHg	0.0
MW-65	2:30	12 inHg	0.2

MW-88	3:00	13 12	0.0 0.0
MW-46	3:00	13 12	0.0 0.0
MW-65	3:00	12 12	0.0 0.0

10-12:50 (EFR 1-3)

12:50 switch over

MW-88	4:30	13	0.0
46	4:30	13	0.0
65	4:30	12	0.0
MW-88	5:00	13	0.0
46	5:00	12	0.0
65	5:00	13	0.0
MW-88	5:30	13	0.0
46	5:30	13	0.0
65	5:30	13	0.0



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FIELD OFFICE: OILP	DATE: 2/21/08	PAGE: 1	CLIENT: CP
REDMOND	PROJECT NO.: 5353	TASK NO.	SUBCONTRACTOR
TO: JOE RAMOS, KIP EVERT, MIKE NOH.	LOCATION: WESTLAKE & MERCER SEATTLE WA		
	WEATHER: AM FOG "HEAVY" / PM SUN		TEMP: 42°

CHRONOLOGY OF FIELD ACTIVITIES/ISSUES/OBSERVATIONS

- 07:40 | MT ON-SITE, CHECK-IN w/ JOE RAMOS, CLERK @ IC
- 07:47 | VAC TRUCK ON-SITE; PPE, HAZ, PTW, VAC TRUCK LOG., VIDEO
- 08:00 | ENTERED CITY INVESTORS PROPERTY; SET-UP, SITE MARK
- 08:15 | BELOW EFR EVENT / VAC OUT WELLS (EFR 1-3) FOR 4 WRS
- 08:30 | SET-UP HEAVY DELINEATION AROUND WORK AREA
- 08:40 | CONT TAKING READINGS.
- 08:45 | CHECK VAC, OR.; TAKE READINGS
- 09:15 | TAKE READINGS; CALIBRATE PID; CHANGE GASSES
- 09:17 | RETURN JEN'S PHONE CALL; USE RESTROOM
- 10:00 | NOTE * PUMP FOR PLEN CARD TO SUMP PUMP IN CI PROPERTY needed. WE DRIVE VAC TRUCK OVER MT EVENT EVENT
- 11:00 | Continue VAC EVENS
- 12:00 | SWITCHEL WELLS ON MANIFOLD
- 1:05 | TALK TO TAMMY PARISE CONCERNING GWH
- 2:00 | CONT VAC READINGS
- 3:15 | TRAVIS DIXON ON-SITE, taking photos FOR KATHIE @ Abestos
- 3:25 | TRAVIS DIXON OFF-SITE. TAKE READINGS
- 4:15 | TAKE READINGS / SHUT VAC TRUCK OR.

EQUIPMENT USED: PID, fully gassed, AIR PUMP, feller bags	SUBCONTRACTOR HOURS:	STAFF HOURS:
MILEAGE:	REVIEWED BY:	
CC:	PREPARED BY:	

STW 8:15

2121 EFN

	TIME	VAC	PPM		TIME	VAC	PPM
E				MW-88	12:20	10 inHg	0.0
EFR 1	8:17	12 inHg	0.0	MW-96	12:20	10 inHg	0.0
EFR 2	8:17	12 inHg	0.0	MW-65	12:20	10 inHg	0.0
EFR 3	8:17	12 inHg	0.0				
EFR-1	8:50	16 inHg	0.0	MW-88	13:00	11 inHg	0.0
EFR-2	8:50	16 inHg	0.0	MW-96	13:00	12 inHg	0.0
EFR-3	8:50	16 inHg	0.0	MW-65	13:00	12 inHg	0.0
EFR-1	9:15	13 inHg	0.0	MW-88	13:51	12 inHg	0.0
EFR-2	9:15	13 inHg	0.0	MW-96	13:51	12 inHg	0.0
EFR-3	9:15	13 inHg	0.0	MW-65	13:51	12 inHg	0.0
EFR-1	9:45	10 inHg	0.0	MW-88	14:15	12 inHg	0.0
EFR-2	9:45	9 inHg	0.0	MW-96	14:15	12 inHg	0.0
EFR-3	9:45	9 inHg	0.0	MW-65	14:15	12 inHg	0.0
EFR-1	10:20	9 inHg	0.0	MW-88	15:00	12 inHg	0.0
EFR-2	10:30	9 inHg	0.0	MW-96	15:00	12 inHg	0.0
EFR-3	10:30	9 inHg	0.0	MW-65	15:00	12 inHg	0.0
EFR-1	11:00	9 inHg	0.0	MW-88	15:25	12 inHg	0.0
EFR-2	11:00	10 inHg	0.0	MW-96	15:25	12 inHg	0.0
EFR-3	11:00	11 inHg	0.0	MW-65	15:25	12 inHg	0.0
EFR-1	12:00	15 inHg	0.0	MW-88	16:10	12 inHg	0.0
EFR-2	12:00	15 inHg	0.0	MW-96	16:10	12 inHg	0.0
EFR-3	12:00	15 inHg	0.0	MW-65	16:10	12 inHg	0.0

switch valve 12:00

WestLake Bi-Monthly EFR Event Data Table

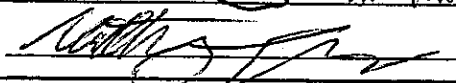
DATE: 2/21 EFR

Well ID	Time	Vacuum	VOC's PID (PPM)	AIR Sample @	Water Sample @	
EFR-1	8:17	10:30	12:14	9	0.0	0.0
EFR-2	8:17	10:30	12:14	9	0.0	0.0
EFR-3	8:17	10:30	12:14	9	0.0	0.0
EFR-1	8:50	11:00	16 in Hg	9	0.0	0.0
EFR-2	8:50	11:00	16 in Hg	10	0.0	0.0
EFR-3	8:50	11:00	16 in Hg	11	0.0	0.0
EFR-1	9:15	12:00	13 in Hg	15	0.0	0.0
EFR-2	9:15	12:00	13 in Hg	15	0.0	0.0
EFR-3	9:15	12:00	13 in Hg	15	0.0	0.0
EFR-1	9:45	10:45	7 in Hg	10	0.0	0.0
EFR-2	9:45	10:45	7 in Hg	9	0.0	0.0
EFR-3	9:45	10:45	7 in Hg	9	0.0	0.0
MW-88	12:20	15:00	10 in Hg	12	0.0	0.0
MW-46	12:20	15:00	10	12	0.0	0.0
MW-65	12:20	15:00	10	12	0.0	0.0
MW-88	13:00	15:25	11	12	0.0	0.0
MW-46	13:00	15:25	12	12	0.0	0.0
MW-65	13:00	15:25	12	12	0.0	0.0
MW-88	13:51	16:10	12	12	0.0	0.0
MW-46	13:51	16:10	12	12	0.0	0.0
MW-65	13:51	16:10	12	12	0.0	0.0
MW-88	14:15		12		0.0	
MW-46	14:15		12		0.0	
MW-65	14:15		12		0.0	

SECOR

DAILY FIELD LOG

Page: 1 of 1
Date: 03/06/08

Client: CONOCOPHILLIPS	Site No: <u>5353 WESTLAKE</u>	Project No: <u>01CP.0 1396.43</u>
Scope of Work: <input checked="" type="checkbox"/> Quarter Monitoring/Sampling	W/O Number: #####SEC00#	
Describe Daily Activities: <u>BIMONTHLY EPR</u>		
Gauged N/A monitoring wells.	Number of drums left on site: _____	
Purged N/A monitoring wells.		
Sampled N/A monitoring wells.		
<p>Field Notes:</p> <p>07:50 ON-SITE CHEM-IN / PPE</p> <p>08:00 VIDEO / HAZ / PTW / TRAILGATE MEETING</p> <p>08:30 REVIEW WORK PLAN, SET-UP DELINEATION</p> <p>08:40 BACK-UP VAC TRUCK INTO CITY INVESTIG</p> <p>09:00 NEAR MISS INCIDENT W/ HUMAN WASTE, CHEM-IN TO ?</p> <p>10:00 Continue WAC EVENT (complete samples for AM portion of event)</p> <p>10:30 TAKE READINGS</p> <p>11:00 TAKE READINGS</p> <p>11:30 WALK NMT ON-SITE</p> <p>11:46 TAKE READINGS</p> <p>12:30 10 min break. REVIEW HAZ-P.</p> <p>12:44 CONT READINGS.</p> <p>13:50 PACK FROM TEST AMERICA ON-SITE. (PICKUP SAMPLES FOR WAC)</p> <p>14:10 M. DAVIS, M. TOLLEY REVIEW SITE WALK AUDIT UPKEEP PLAN ON REMEDIATION SYSTEMS SITE</p> <p>15:00 CONT WAC</p> <p>16:00 CONT WAC</p> <p>17:00 COMPLETE WAC EVENT, SECURE SITE / LOLO</p>		
Arrived on Site: <u>07:50</u>	Departed Site: <u>5:10 PM</u>	
Decontamination Procedures: <u>3-Stage (Alconox Wash, Tap Water Rinse, & Distilled Water Rinse)</u>		
Daily Health and Safety Log Completed?: <u>yes</u>	Utility Locations Checked?: <u>yes</u>	
Important Conversations: <u>TRAFFIC, WORK PLAN, PPE</u>		
Important Changes in Scope of Work: <u>TCS</u>		
Weather Conditions: <u>Fog / SW</u>	Subcontractors On Site: <u>TCS / CASCADE / EMERALD</u>	
SECOR Personnel On Site: <u>August Welch</u> <u>Matt Tolley</u>		
Signed: 	Date: <u>3/6/08</u>	

WestLake Bi-Monthly EFR Event Data Table

DATE: 03/06/08

pulling out MW-88, MW-48 only

1st

1st

TWS

Well ID	Time	Vacuum	VOC's PID (PPM)	AIR Sample @	Water Sample @
MW-88 MW-48 EFR-3	14:00 14:00	13 13	0-0 0-0	16:20	

MW-88 MW-48 EFR-3	15:00 15:00	15 15	0-0 0-0		
-------------------------	----------------	----------	------------	--	--

MW-88 MW-48 EFR-3	15:39 15:39	14 14	0-0 0-0		
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MW-88 MW-48 EFR-3	16:30 16:30	15 15	0-0 0-0		
-------------------------	----------------	----------	------------	--	--

MW-88	9:00	12 in Hg	0-0 ppm	9:20 local	9:30
MW-48	9:00	12 in Hg	0-0 ppm	9:25 local	9:45
MW-65					

MW-88		15 in Hg	0-0		
MW-48	9:30	15 in Hg	0-0		
MW-65	9:30				

MW-88	10:05	15 in Hg	0-0 ppm		
MW-48	10:05	15 in Hg	0-0 ppm		
MW-65					

MW-88	10:50	15 in Hg	0.0 ppm		
MW-48	10:50	15 in Hg	0.0 ppm		
MW-65					

MW-88	11:20	12 in Hg	0-0 ppm		
MW-48	11:20	12 in Hg	0-0 ppm		

MW-88	12:20	12 in Hg	0-0 ppm		
MW-48	12:20	12 in Hg	0-0 ppm		

MW-88	12:45	15 in Hg	0-0		
MW-48	12:45	15 in Hg	0-0		

MW-88	13:20	15 in Hg	0-0		
MW-48	13:20	15 in Hg	0-0		

07:00 | EMAIL ERIC
 07:15 | EMAIL JEN } CONCERNING NASP P/U FOR FRI WORK

DAILY NOTE > / LOG.

07:30 | ON-SITE / PPE / HASP / PLEM. CHECK IN w / JOE
 07:50 | VAC TRUCK ON-SITE / CHECK IN w / CLIENT
 08:00 | HASP.
 08:10 | SET-UP TRUCK IN COMPOUND
 08:20 | BEG. W VAC EVENT
 08:34 | TAKE READINGS
 9:20 | TAKE READINGS
 10:00 | TAKE READINGS
 10:20 | BEG. SAMPLING EFR 1, EFR 2, EFR 3
 11:30 | FINISH SAMPLING H₂O & AIR ON EFR 1, 2, 3 WELLS.
 12:00 | SWITCH WELLS TO MW-88, MW-48, MW-65. TAKE READINGS
 12:30 | TAKE SAMPLES / READINGS.
 1:00 | CONT. VAC / PPE ON-SITE FROM TEST AMERICA. PICKUP SAMPLES
 2:00 | KIPP EVENT ON SITE WAIT (BRIEF UPDATE)
 2:20 | [A REQUESTS NEW EMERGENCY CONTACT SIGNS W/ CURRENT COMPANY & PHONE NUMBER.] EMAIL INFO TO JOE / JEN.
 2:20 | CALLED JEN YATZ & ~~INFORMED~~ LEFT VOICE MESSAGE
 2:20 | CALLED JOE ROUNDS FYI REMEDIATION SYSTEM STATUS
 3:00 | CONTINUE TAKING PID, VAC READINGS.
 4:00 | CONTINUE EFR EVENT / TAKE READINGS / VAC AT DRUM SITE w / purge tho.

WestLake Bi-Monthly EFR Event Data Table

DATE: 3/20/08

Well ID	Time	Vacuum	VOC's PID (PPM)	AIR Sample @	Water Sample @		
EFR-1	08:30 / 11:30	12	9	0.0	0.0	10:30	10:50
EFR-2	08:30 / 11:30	12	9	0.0	0.0	10:32	11:00
EFR-3	08:30 / 11:30	12	9	0.0	0.0	10:34	11:15

EFR-1	9:20 / 12:20	10	8	0.0	0.0		
EFR-2	9:20 / 12:20	10	9	0.0	0.0		
EFR-3	9:20 / 12:20	10	9	0.0	0.0		

EFR-1	10:00	7		0.0			
EFR-2	10:00	7		0.0			
EFR-3	10:00	7		0.0			

EFR-1	10:30	9		0.0			
EFR-2	10:30	9		0.0			
EFR-3	10:30	9		0.0			

MW-88	12:00	8		0.0		1:05	12:40
MW-48	12:10	7		0.0		1:07	12:55
MW-65	12:10	8		0.0		1:09	17:30

MW-88	1:00	11		0.0			
MW-48	1:00	9		0.0			
MW-65	1:00	10		0.0			

MW-88	1:30	7		0.0			
MW-48	1:30	9		0.0			
MW-65	1:30	9		0.0			

MW-88	2:10	7		0.0			
MW-48	2:10	7		0.0			
MW-65	2:10	7		0.0			

Samples picked up by Cameron.

MW-88	3:15	12	0.0
MW-48	3:15	12	0.0
MW-65	3:15	12	0.0

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

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

April 29, 2008

Matthew Davis
Secor-Redmond
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)
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 04/29/08
10:38.

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

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BQK0215	Westlake & Mercer	None

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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.



Secor-Redmond

PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)
Redmond, WA/USA 98073

Project Name: **Westlake & Mercer**
Project Number: None
Project Manager: Matthew Davis

Report Created:
04/29/08 10:38

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

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Sandra Yakamavich, Project Manager

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Secor-Redmond PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052) Redmond, WA/USA 98073	Project Name: Westlake & Mercer Project Number: None Project Manager: Matthew Davis	Report Created: 04/29/08 10:38
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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/m ³ 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/m ³ 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/m ³ 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/m ³ 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/m ³ 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/m ³ 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

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: Westlake & Mercer	Report Created:
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number: None	04/29/08 10:38
Redmond, WA/USA 98073	Project Manager: Matthew Davis	

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	----	0.617	ppmv	1x	7K16009	11/16/07 09:26	11/16/07 13:04	
Ethylbenzene	"	ND	----	0.454	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.482	"	"	"	"	"	
Toluene	"	ND	----	0.523	"	"	"	"	"	
o-Xylene	"	ND	----	0.454	"	"	"	"	"	
m,p-Xylene	"	ND	----	0.454	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>			<i>114%</i>		<i>69 - 131 %</i>	<i>"</i>				<i>"</i>
<i>Toluene-d8</i>			<i>108%</i>		<i>72 - 131 %</i>	<i>"</i>				<i>"</i>
<i>4-BFB</i>			<i>100%</i>		<i>78 - 121 %</i>	<i>"</i>				<i>"</i>
BQK0215-02 (EFR-2)		Air			Sampled: 11/15/07 12:35					
Benzene	EPA 8260B	ND	----	0.617	ppmv	1x	7K16009	11/16/07 09:26	11/16/07 13:30	
Ethylbenzene	"	ND	----	0.454	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.482	"	"	"	"	"	
Toluene	"	ND	----	0.523	"	"	"	"	"	
o-Xylene	"	ND	----	0.454	"	"	"	"	"	
m,p-Xylene	"	ND	----	0.454	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>			<i>114%</i>		<i>69 - 131 %</i>	<i>"</i>				<i>"</i>
<i>Toluene-d8</i>			<i>104%</i>		<i>72 - 131 %</i>	<i>"</i>				<i>"</i>
<i>4-BFB</i>			<i>100%</i>		<i>78 - 121 %</i>	<i>"</i>				<i>"</i>
BQK0215-03 (EFR-3)		Air			Sampled: 11/15/07 12:40					
Benzene	EPA 8260B	ND	----	0.617	ppmv	1x	7K16009	11/16/07 09:26	11/16/07 16:20	
Ethylbenzene	"	ND	----	0.454	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.482	"	"	"	"	"	
Toluene	"	ND	----	0.523	"	"	"	"	"	
o-Xylene	"	ND	----	0.454	"	"	"	"	"	
m,p-Xylene	"	ND	----	0.454	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>			<i>114%</i>		<i>69 - 131 %</i>	<i>"</i>				<i>"</i>
<i>Toluene-d8</i>			<i>107%</i>		<i>72 - 131 %</i>	<i>"</i>				<i>"</i>
<i>4-BFB</i>			<i>99.5%</i>		<i>78 - 121 %</i>	<i>"</i>				<i>"</i>

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond

PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)
 Redmond, WA/USA 98073

Project Name: **Westlake & Mercer**

Project Number: None

Project Manager: Matthew Davis

Report Created:

04/29/08 10:38

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	----	0.617	ppmv	1x	7K16009	11/16/07 09:26	11/16/07 16:45	
Ethylbenzene	"	ND	----	0.454	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.482	"	"	"	"	"	
Toluene	"	ND	----	0.523	"	"	"	"	"	
o-Xylene	"	ND	----	0.454	"	"	"	"	"	
m,p-Xylene	"	ND	----	0.454	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>			<i>118%</i>		<i>69 - 131 %</i>	<i>"</i>				<i>"</i>
<i>Toluene-d8</i>			<i>106%</i>		<i>72 - 131 %</i>	<i>"</i>				<i>"</i>
<i>4-BFB</i>			<i>98.2%</i>		<i>78 - 121 %</i>	<i>"</i>				<i>"</i>
BQK0215-05 (MW-65)		Air			Sampled: 11/15/07 13:27					
Benzene	EPA 8260B	ND	----	0.617	ppmv	1x	7K16009	11/16/07 09:26	11/16/07 17:13	
Ethylbenzene	"	ND	----	0.454	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.482	"	"	"	"	"	
Toluene	"	ND	----	0.523	"	"	"	"	"	
o-Xylene	"	ND	----	0.454	"	"	"	"	"	
m,p-Xylene	"	ND	----	0.454	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>			<i>115%</i>		<i>69 - 131 %</i>	<i>"</i>				<i>"</i>
<i>Toluene-d8</i>			<i>105%</i>		<i>72 - 131 %</i>	<i>"</i>				<i>"</i>
<i>4-BFB</i>			<i>98.5%</i>		<i>78 - 121 %</i>	<i>"</i>				<i>"</i>
BQK0215-06 (MW-88)		Air			Sampled: 11/15/07 13:20					
Benzene	EPA 8260B	ND	----	0.617	ppmv	1x	7K16009	11/16/07 09:26	11/16/07 17:59	
Ethylbenzene	"	ND	----	0.454	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.482	"	"	"	"	"	
Toluene	"	ND	----	0.523	"	"	"	"	"	
o-Xylene	"	ND	----	0.454	"	"	"	"	"	
m,p-Xylene	"	ND	----	0.454	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>			<i>124%</i>		<i>69 - 131 %</i>	<i>"</i>				<i>"</i>
<i>Toluene-d8</i>			<i>106%</i>		<i>72 - 131 %</i>	<i>"</i>				<i>"</i>
<i>4-BFB</i>			<i>97.1%</i>		<i>78 - 121 %</i>	<i>"</i>				<i>"</i>

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: Westlake & Mercer	Report Created:
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number: None	04/29/08 10:38
Redmond, WA/USA 98073	Project Manager: Matthew Davis	

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/m ³ 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/m ³ Air	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>81.0%</i>	<i>Limits: 70-150%</i>		<i>"</i>						<i>11/16/07 15:30</i>		
<i>4-BFB (PID)</i>		<i>Recovery:</i>	<i>101%</i>	<i>Limits: 75-125%</i>		<i>"</i>						<i>"</i>		

LCS (7K16021-BS1)													Extracted: 11/16/07 12:17	
Gasoline Range Hydrocarbons	NWTPH Modified	65.1	---	10.0	mg/m ³ Air	1x	--	100	65.1%	(50-150)	--	--	11/16/07 16:17	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>76.0%</i>	<i>Limits: 70-150%</i>		<i>"</i>						<i>11/16/07 16:17</i>		

LCS (7K16021-BS2)													Extracted: 11/16/07 12:17	
Benzene	NWTPH Modified	2.30	---	0.100	mg/m ³ 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%	"	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery:</i>	<i>112%</i>	<i>Limits: 75-125%</i>		<i>"</i>						<i>11/16/07 17:17</i>		

LCS Dup (7K16021-BSD1)													Extracted: 11/16/07 12:17	
Gasoline Range Hydrocarbons	NWTPH Modified	84.2	---	10.0	mg/m ³ Air	1x	--	100	84.2%	(50-150)	25.6% (50)	--	11/16/07 16:47	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>92.0%</i>	<i>Limits: 70-150%</i>		<i>"</i>						<i>11/16/07 16:47</i>		

LCS Dup (7K16021-BSD2)													Extracted: 11/16/07 12:17	
Benzene	NWTPH Modified	2.14	---	0.100	mg/m ³ 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%	"	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery:</i>	<i>107%</i>	<i>Limits: 75-125%</i>		<i>"</i>						<i>11/16/07 18:17</i>		

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052) Redmond, WA/USA 98073	Project Name: Westlake & Mercer Project Number: None Project Manager: Matthew Davis	Report Created: 04/29/08 10:38
---	--	-----------------------------------

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/m ³ 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/m ³ 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)		Recovery:	111%	Limits: 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)			QC Source: BQK0215-04RE1					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/m ³ 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/m ³ 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/m ³ 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/m ³ 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)		Recovery:	91.6%	Limits: 70-150%		"							"	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: Westlake & Mercer	Report Created:
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number: None	04/29/08 10:38
Redmond, WA/USA 98073	Project Manager: Matthew Davis	

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	---	8.30	ppmv	1x	--	--	--	--	--	--	11/16/07 11:47	
Benzene	"	ND	---	0.617	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	0.307	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	0.373	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	0.294	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	0.191	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	0.508	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	0.359	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	0.359	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	0.359	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	0.633	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	0.313	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	0.428	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	0.747	"	"	--	--	--	--	--	--	"	
1-Chlorohexane	"	ND	---	0.482	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	0.404	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	2.39	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	0.381	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	0.381	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	0.232	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	1.16	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	0.257	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	0.277	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	0.328	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	0.328	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	0.328	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	0.350	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	0.487	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	0.487	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	0.487	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	0.497	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	0.497	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	0.427	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	0.427	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	0.427	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	0.435	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	0.435	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	0.435	"	"	--	--	--	--	--	--	"	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: Westlake & Mercer	Report Created:
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number: None	04/29/08 10:38
Redmond, WA/USA 98073	Project Manager: Matthew Davis	

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	---	0.454	ppmv	1x	--	--	--	--	--	--	11/16/07 11:47	
Hexachlorobutadiene	"	ND	---	0.185	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.482	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	4.81	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	0.401	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	0.359	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	4.58	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	2.84	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.376	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	0.401	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	0.463	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	0.266	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	0.266	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	0.287	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	0.287	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	0.289	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.523	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	0.361	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	0.361	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	0.367	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	0.351	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	0.327	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	0.401	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	0.401	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	0.772	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.454	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.454	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s):</i>	<i>1,2-DCA-d4</i>	<i>Recovery:</i>	<i>100%</i>	<i>Limits:</i>	<i>69-131%</i>	<i>"</i>							<i>11/16/07 11:47</i>	
	<i>Toluene-d8</i>		<i>106%</i>		<i>72-131%</i>	<i>"</i>							<i>"</i>	
	<i>4-BFB</i>		<i>99.5%</i>		<i>78-121%</i>	<i>"</i>							<i>"</i>	

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Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: Westlake & Mercer	Report Created:
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number: None	04/29/08 10:38
Redmond, WA/USA 98073	Project Manager: Matthew Davis	

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	2.49	---	0.617	ppmv	1x	--	3.09	80.6%	(50-150)	--	--	11/16/07 10:54	
Chlorobenzene	"	1.86	---	0.428	"	"	--	2.14	86.8%	"	--	--	"	
1,1-Dichloroethene	"	2.05	---	0.487	"	"	--	2.44	84.3%	"	--	--	"	
Toluene	"	2.19	---	0.523	"	"	--	2.62	83.6%	"	--	--	"	
Trichloroethene	"	1.51	---	0.367	"	"	--	1.83	82.5%	"	--	--	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery: 98.6%</i>		<i>Limits: 69-131%</i>		<i>"</i>						<i>11/16/07 10:54</i>		
<i>Toluene-d8</i>		<i>101%</i>		<i>72-131%</i>		<i>"</i>						<i>"</i>		
<i>4-BFB</i>		<i>98.7%</i>		<i>78-121%</i>		<i>"</i>						<i>"</i>		

LCS Dup (7K16009-BSD1)													Extracted: 11/16/07 09:26	
Benzene	EPA 8260B	2.76	---	0.617	ppmv	1x	--	3.09	89.4%	(50-150)	10.4% (50)		11/16/07 11:20	
Chlorobenzene	"	2.01	---	0.428	"	"	--	2.14	94.0%	"	7.97%	"	"	
1,1-Dichloroethene	"	2.15	---	0.487	"	"	--	2.44	88.4%	"	4.81%	"	"	
Toluene	"	2.43	---	0.523	"	"	--	2.62	92.8%	"	10.4%	"	"	
Trichloroethene	"	1.66	---	0.367	"	"	--	1.83	90.2%	"	8.98%	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery: 97.3%</i>		<i>Limits: 69-131%</i>		<i>"</i>						<i>11/16/07 11:20</i>		
<i>Toluene-d8</i>		<i>103%</i>		<i>72-131%</i>		<i>"</i>						<i>"</i>		
<i>4-BFB</i>		<i>99.2%</i>		<i>78-121%</i>		<i>"</i>						<i>"</i>		

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond

PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)
Redmond, WA/USA 98073

Project Name: **Westlake & Mercer**
Project Number: None
Project Manager: Matthew Davis

Report Created:
04/29/08 10:38

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

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January 15, 2008

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

RE: 5353 Seattle, Wa

Enclosed are the results of analyses for samples received by the laboratory on 01/10/08 13:54.
The following list is a summary of the Work Orders contained in this report, generated on 01/15/08
12:42.

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

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BRA0108	5353 Seattle, Wa	5353

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Seattle, Wa**
 Project Number: 5353
 Project Manager: Matthew Davis

Report Created:
 01/15/08 12:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFR-1	BRA0108-01	Water	01/10/08 10:00	01/10/08 13:54
EFR-2	BRA0108-02	Water	01/10/08 10:15	01/10/08 13:54
EFR-3	BRA0108-03	Water	01/10/08 10:20	01/10/08 13:54
MW-88	BRA0108-04	Water	01/10/08 13:07	01/10/08 13:54
MW-46	BRA0108-05	Water	01/10/08 13:12	01/10/08 13:54
MW-65	BRA0108-06	Water	01/10/08 13:15	01/10/08 13:54
EFR-1	BRA0108-07	Air	01/10/08 10:30	01/10/08 13:54
EFR-2	BRA0108-08	Air	01/10/08 10:29	01/10/08 13:54
EFR-3	BRA0108-09	Air	01/10/08 10:28	01/10/08 13:54
MW-88	BRA0108-10	Air	01/10/08 13:19	01/10/08 13:54
MW-46	BRA0108-11	Air	01/10/08 13:20	01/10/08 13:54
MW-65	BRA0108-12	Air	01/10/08 13:21	01/10/08 13:54

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Seattle, Wa	Report Created:
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 5353	01/15/08 12:42
Redmond, WA/USA 98073	Project Manager: Matthew Davis	

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
BRA0108-01 (EFR-1)		Water			Sampled: 01/10/08 10:00					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	----	50.0	ug/l	1x	8A11027	01/11/08 13:22	01/12/08 05:22	
Benzene	"	ND	----	0.500	"	"	"	"	"	"
Toluene	"	ND	----	0.500	"	"	"	"	"	"
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	"
Xylenes (total)	"	ND	----	1.00	"	"	"	"	"	"
<i>Surrogate(s): 4-BFB (FID)</i>			87.5%		58 - 144 %	"				"
<i>4-BFB (PID)</i>			95.1%		68 - 140 %	"				"
BRA0108-02 (EFR-2)		Water			Sampled: 01/10/08 10:15					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	----	50.0	ug/l	1x	8A11027	01/11/08 13:22	01/12/08 05:55	
Benzene	"	ND	----	0.500	"	"	"	"	"	"
Toluene	"	ND	----	0.500	"	"	"	"	"	"
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	"
Xylenes (total)	"	ND	----	1.00	"	"	"	"	"	"
<i>Surrogate(s): 4-BFB (FID)</i>			88.5%		58 - 144 %	"				"
<i>4-BFB (PID)</i>			93.2%		68 - 140 %	"				"
BRA0108-03 (EFR-3)		Water			Sampled: 01/10/08 10:20					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	----	50.0	ug/l	1x	8A11027	01/11/08 13:22	01/12/08 06:28	
Benzene	"	ND	----	0.500	"	"	"	"	"	"
Toluene	"	ND	----	0.500	"	"	"	"	"	"
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	"
Xylenes (total)	"	ND	----	1.00	"	"	"	"	"	"
<i>Surrogate(s): 4-BFB (FID)</i>			87.4%		58 - 144 %	"				"
<i>4-BFB (PID)</i>			97.0%		68 - 140 %	"				"
BRA0108-04 (MW-88)		Water			Sampled: 01/10/08 13:07					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	933	----	50.0	ug/l	1x	8A11027	01/11/08 13:22	01/12/08 08:39	
Benzene	"	2.64	----	0.500	"	"	"	"	"	"
Toluene	"	ND	----	0.500	"	"	"	"	"	"
Ethylbenzene	"	46.4	----	0.500	"	"	"	"	"	"
Xylenes (total)	"	54.4	----	1.00	"	"	"	"	"	"
<i>Surrogate(s): 4-BFB (FID)</i>			98.5%		58 - 144 %	"				"
<i>4-BFB (PID)</i>			102%		68 - 140 %	"				"

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Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Seattle, Wa**

Project Number: 5353

Project Manager: Matthew Davis

Report Created:

01/15/08 12:42

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
BRA0108-05 (MW-46)		Water			Sampled: 01/10/08 13:12					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 IB	353	----	50.0	ug/l	1x	8A11027	01/11/08 13:22	01/12/08 09:12	
Benzene	"	3.66	----	0.500	"	"	"	"	"	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	10.3	----	0.500	"	"	"	"	"	
Xylenes (total)	"	21.3	----	1.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>				91.2%		58 - 144 %	"			"
<i>4-BFB (PID)</i>				98.5%		68 - 140 %	"			"

BRA0108-06 (MW-65)		Water			Sampled: 01/10/08 13:15					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 IB	ND	----	50.0	ug/l	1x	8A11027	01/11/08 13:22	01/12/08 09:44	
Benzene	"	ND	----	0.500	"	"	"	"	"	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	----	1.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>				87.4%		58 - 144 %	"			"
<i>4-BFB (PID)</i>				97.4%		68 - 140 %	"			"

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Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Seattle, Wa**
 Project Number: 5353
 Project Manager: Matthew Davis

Report Created:
 01/15/08 12:42

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
BRA0108-07 (EFR-1)		Air		Sampled: 01/10/08 10:30						
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8A11013	01/11/08 09:18	01/11/08 16:29	
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/m ³ Air	"	"	"	"	
Toluene	"	ND	----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.200	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			84.7%		70 - 150 %	"				"
<i>4-BFB (PID)</i>			97.6%		75 - 125 %	"				"

BRA0108-08 (EFR-2)		Air		Sampled: 01/10/08 10:29						
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8A11013	01/11/08 09:18	01/11/08 17:29	
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/m ³ Air	"	"	"	"	
Toluene	"	ND	----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.200	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			83.8%		70 - 150 %	"				"
<i>4-BFB (PID)</i>			98.4%		75 - 125 %	"				"

BRA0108-09 (EFR-3)		Air		Sampled: 01/10/08 10:28						
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8A11013	01/11/08 09:18	01/11/08 17:59	
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/m ³ 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: 5353 Seattle, Wa	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 5353	Report Created:
Redmond, WA/USA 98073	Project Manager: Matthew Davis	01/15/08 12:42

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
---------	--------	--------	------	-----	-------	-----	-------	----------	----------	-------

BRA0108-09 (EFR-3) Air Sampled: 01/10/08 10:28

Surrogate(s): 4-BFB (FID)	85.2%	70 - 150 %	1x	01/11/08 17:59
4-BFB (PID)	99.3%	75 - 125 %	"	"

BRA0108-10 (MW-88) Air Sampled: 01/10/08 13:19

Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8A11013	01/11/08 09:18	01/11/08 18:29
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/m ³ Air	"	"	"	"
Toluene	"	ND	----	0.100	"	"	"	"	"
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"
Xylenes (total)	"	ND	----	0.200	"	"	"	"	"

Surrogate(s): 4-BFB (FID)	85.0%	70 - 150 %	"	"
4-BFB (PID)	99.3%	75 - 125 %	"	"

BRA0108-11 (MW-46) Air Sampled: 01/10/08 13:20

Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8A11013	01/11/08 09:18	01/11/08 20:59
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/m ³ Air	"	"	"	"
Toluene	"	ND	----	0.100	"	"	"	"	"
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"
Xylenes (total)	"	ND	----	0.200	"	"	"	"	"

Surrogate(s): 4-BFB (FID)	81.9%	70 - 150 %	"	"
4-BFB (PID)	98.0%	75 - 125 %	"	"

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Seattle, Wa	Report Created:
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 5353	01/15/08 12:42
Redmond, WA/USA 98073	Project Manager: Matthew Davis	

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
BRA0108-12 (MW-65)		Air			Sampled: 01/10/08 13:21					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8A11013	01/11/08 09:18	01/11/08 21:29	
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/m ³ Air	"	"	"	"	
Toluene	"	ND	----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.200	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>4-BFB (FID)</i>		<i>83.4%</i>		<i>70 - 150 %</i>	<i>"</i>				<i>"</i>
	<i>4-BFB (PID)</i>		<i>97.7%</i>		<i>75 - 125 %</i>	<i>"</i>				<i>"</i>

TestAmerica Seattle



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Secor-Redmond	Project Name: 5353 Seattle, Wa	Report Created:
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 5353	01/15/08 12:42
Redmond, WA/USA 98073	Project Manager: Matthew Davis	

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

QC Batch: 8A11027 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 (8A11027-BLK1) Extracted: 01/11/08 13:22

Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	01/11/08 18:27	
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		Recovery: 87.1%	Limits: 58-144%		"								01/11/08 18:27	
4-BFB (PID)		96.1%	68-140%		"								"	

LCS (8A11027-BS1) Extracted: 01/11/08 13:22

Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	1050	---	50.0	ug/l	1x	--	1000	105%	(80-120)	--	--	01/11/08 19:00	
Surrogate(s): 4-BFB (FID)		Recovery: 94.8%	Limits: 58-144%		"								01/11/08 19:00	

LCS (8A11027-BS2) Extracted: 01/11/08 13:22

Benzene	NWTPH-Gx/8021B	27.9	---	0.500	ug/l	1x	--	30.0	92.8%	(80-120)	--	--	01/11/08 19:33	
Toluene	"	29.0	---	0.500	"	"	--	"	96.7%	"	--	--	"	
Ethylbenzene	"	28.4	---	0.500	"	"	--	"	94.8%	"	--	--	"	
Xylenes (total)	"	86.4	---	1.00	"	"	--	90.0	96.0%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		Recovery: 96.4%	Limits: 68-140%		"								01/11/08 19:33	

Duplicate (8A11027-DUP1) QC Source: BRA0094-01 Extracted: 01/11/08 13:22

Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	ND	---	50.0	ug/l	1x	ND	--	--	--	NR (25)		01/11/08 20:39	
Benzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Toluene	"	2.51	---	0.500	"	"	2.61	--	--	--	4.14%	"	"	
Ethylbenzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Xylenes (total)	"	ND	---	1.00	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 4-BFB (FID)		Recovery: 87.4%	Limits: 58-144%		"								01/11/08 20:39	
4-BFB (PID)		97.7%	68-140%		"								"	

Duplicate (8A11027-DUP2) QC Source: BRA0094-02 Extracted: 01/11/08 13:22

Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	81.1	---	50.0	ug/l	1x	84.1	--	--	--	3.61% (25)		01/11/08 21:44	
Benzene	"	0.711	---	0.500	"	"	0.598	--	--	--	17.3%	"	"	
Toluene	"	3.34	---	0.500	"	"	3.48	--	--	--	4.04%	"	"	
Ethylbenzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Xylenes (total)	"	ND	---	1.00	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 4-BFB (FID)		Recovery: 87.8%	Limits: 58-144%		"								01/11/08 21:44	
4-BFB (PID)		95.1%	68-140%		"								"	

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Seattle, Wa	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 5353	Report Created:
Redmond, WA/USA 98073	Project Manager: Matthew Davis	01/15/08 12:42

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

QC Batch: 8A11027 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 (8A11027-MS1)			QC Source: BRA0094-01					Extracted: 01/11/08 13:22						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1140	---	50.0	ug/l	1x	ND	1000	114%	(75-131)	--	--	01/11/08 22:49	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 97.0%</i>		<i>Limits: 58-144%</i>		<i>"</i>		<i>01/11/08 22:49</i>						

Matrix Spike (8A11027-MS2)			QC Source: BRA0094-02					Extracted: 01/11/08 13:22						
Benzene	NWTPH-Gx/ 8021B	30.5	---	0.500	ug/l	1x	0.598	30.0	99.8%	(46-130)	--	--	01/11/08 23:22	
Toluene	"	35.0	---	0.500	"	"	3.48	"	105%	(60-124)	--	--	"	
Ethylbenzene	"	31.5	---	0.500	"	"	ND	"	105%	(56-141)	--	--	"	
Xylenes (total)	"	93.8	---	1.00	"	"	ND	90.0	104%	(66-132)	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery: 97.4%</i>		<i>Limits: 68-140%</i>		<i>"</i>		<i>01/11/08 23:22</i>						

TestAmerica Seattle



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Secor-Redmond	Project Name: 5353 Seattle, Wa	Report Created:
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 5353	01/15/08 12:42
Redmond, WA/USA 98073	Project Manager: Matthew Davis	

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

QC Batch: 8A11013 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 (8A11013-BLK1)													Extracted: 01/11/08 09:18	
Gasoline Range Hydrocarbons (v/v)	NWTPH Modified	ND	---	2.36	ppmv	1x	--	--	--	--	--	--	01/11/08 11:07	
Gasoline Range Hydrocarbons	"	ND	---	10.0	mg/m ³ 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/m ³ Air	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>85.7%</i>	<i>Limits: 70-150%</i>		<i>"</i>						<i>01/11/08 11:07</i>		
<i>4-BFB (PID)</i>		<i>Recovery:</i>	<i>93.4%</i>	<i>Limits: 75-125%</i>		<i>"</i>						<i>"</i>		
LCS (8A11013-BS1)													Extracted: 01/11/08 09:18	
Gasoline Range Hydrocarbons	NWTPH Modified	103	---	10.0	mg/m ³ Air	1x	--	100	103%	(50-150)	--	--	01/11/08 13:01	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>77.1%</i>	<i>Limits: 70-150%</i>		<i>"</i>						<i>01/11/08 13:01</i>		
LCS (8A11013-BS2)													Extracted: 01/11/08 09:18	
Benzene	NWTPH Modified	2.86	---	0.100	mg/m ³ Air	1x	--	2.00	143%	(50-150)	--	--	01/11/08 15:29	
Toluene	"	2.74	---	0.100	"	"	--	"	137%	"	--	--	"	
Ethylbenzene	"	2.97	---	0.100	"	"	--	"	148%	"	--	--	"	
Xylenes (total)	"	8.39	---	0.200	"	"	--	6.00	140%	"	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery:</i>	<i>100%</i>	<i>Limits: 75-125%</i>		<i>"</i>						<i>01/11/08 15:29</i>		
LCS Dup (8A11013-BSD1)													Extracted: 01/11/08 09:18	
Gasoline Range Hydrocarbons	NWTPH Modified	99.8	---	10.0	mg/m ³ Air	1x	--	100	99.8%	(50-150)	3.36%	(50)	01/11/08 13:31	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>83.4%</i>	<i>Limits: 70-150%</i>		<i>"</i>						<i>01/11/08 13:31</i>		
LCS Dup (8A11013-BSD2)													Extracted: 01/11/08 09:18	
Benzene	NWTPH Modified	2.58	---	0.100	mg/m ³ Air	1x	--	2.00	129%	(50-150)	10.1%	(50)	01/11/08 15:59	
Toluene	"	2.45	---	0.100	"	"	--	"	122%	"	11.3%	"	"	
Ethylbenzene	"	2.53	---	0.100	"	"	--	"	126%	"	15.9%	"	"	
Xylenes (total)	"	7.66	---	0.200	"	"	--	6.00	128%	"	9.04%	"	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery:</i>	<i>100%</i>	<i>Limits: 75-125%</i>		<i>"</i>						<i>01/11/08 15:59</i>		

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Seattle, Wa	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 5353	Report Created:
Redmond, WA/USA 98073	Project Manager: Matthew Davis	01/15/08 12:42

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

QC Batch: 8A11013 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 (8A11013-DUP1)			QC Source: BRA0108-07				Extracted: 01/11/08 09:18							
Gasoline Range Hydrocarbons (v/v)	NWTPH Modified	ND	---	2.36	ppmv	1x	ND	--	--	--	NR (30)		01/11/08 16:59	
Gasoline Range Hydrocarbons	"	ND	---	10.0	mg/m ³ Air	"	ND	--	--	--	NR	"	"	
Benzene (v/v)	"	ND	---	0.0308	ppmv	"	ND	--	--	--	NR	"	"	
Toluene (v/v)	"	ND	---	0.0261	"	"	ND	--	--	--	81.6%	"	"	R4
Ethylbenzene (v/v)	"	ND	---	0.0227	"	"	ND	--	--	--	125%	"	"	R4
Xylenes, total (v/v)	"	ND	---	0.0454	"	"	ND	--	--	--	115%	"	"	R4
Benzene	"	ND	---	0.100	mg/m ³ Air	"	ND	--	--	--	NR	"	"	
Toluene	"	ND	---	0.100	"	"	ND	--	--	--	81.6%	"	"	R4
Ethylbenzene	"	ND	---	0.100	"	"	ND	--	--	--	125%	"	"	R4
Xylenes (total)	"	ND	---	0.200	"	"	ND	--	--	--	115%	"	"	R4
Surrogate(s): 4-BFB (FID)		Recovery: 84.2%	Limits: 70-150%										01/11/08 16:59	
4-BFB (PID)		97.8%	75-125%										"	

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Seattle, Wa**

Project Number: 5353

Project Manager: Matthew Davis

Report Created:

01/15/08 12:42

Notes and Definitions

Report Specific Notes:

R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

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

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Chain of Custody Record

Temperature on Receipt _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Drinking Water? Yes No

TAL-4124 (1007)

Client Secor		Project Manager J. Rowles		Date 1/10/08	Chain of Custody Number 051837
Address 12034 134th CT. NE		Telephone Number (Area Code)/Fax Number		Lab Number	
City Redmond	State WA	Zip Code 98052	Site Contact	Lab Contact	
Project Name and Location (State) 5353 Seattle WA			Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			Analysis (Attach list if more space is needed)		

Page 1 of 1

Special Instructions/Conditions of Receipt

BRA0108

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Special Instructions/Conditions of Receipt					
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH						
EFR-1	1/10/08	1000															01	
EFR-2		1015																02
EFR-3		1020																03
MW-88		1307																04
MW-46		1312																05
MW-65		1315																06
EFR-1		1030																07
EFR-2		1029																08
EFR-3		1028																09
MW-88		1319																10
MW-46		1320																11
MW-65		1321																12

Fpk B test

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input checked="" type="checkbox"/> Other <u>Standard</u>	

1. Relinquished By <i>[Signature]</i>	Date 1/10/08	Time 1354	1. Received By <i>[Signature]</i>	Date 1/10/08	Time 1354
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

10.4° = w/o

February 14, 2008

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

RE: 5353 Seattle, Wa

Enclosed are the results of analyses for samples received by the laboratory on 02/07/08 15:20.
The following list is a summary of the Work Orders contained in this report, generated on 02/14/08
16:46.

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

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BRB0084	5353 Seattle, Wa	5353

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Seattle, Wa**

Project Number: 5353

Project Manager: Matthew Davis

Report Created:

02/14/08 16:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFR- 1	BRB0084-01	Water	02/07/08 11:45	02/07/08 15:20
EFR- 2	BRB0084-02	Water	02/07/08 12:00	02/07/08 15:20
EFR- 3	BRB0084-03	Water	02/07/08 12:15	02/07/08 15:20
MW- 46	BRB0084-04	Water	02/07/08 13:33	02/07/08 15:20
MW- 65	BRB0084-05	Water	02/07/08 13:35	02/07/08 15:20
MW- 88	BRB0084-06	Water	02/07/08 13:30	02/07/08 15:20

TestAmerica Seattle



Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Seattle, Wa	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 5353	Report Created:
Redmond, WA/USA 98073	Project Manager: Matthew Davis	02/14/08 16:46

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
BRB0084-01 (EFR- 1)		Water			Sampled: 02/07/08 11:45					
Benzene	NWTPH-Gx/802 1B	ND	----	0.500	ug/l	1x	8B08013	02/08/08 10:38	02/08/08 15:32	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	----	1.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			85.8%		58 - 144 %	"				"
<i>4-BFB (PID)</i>			106%		68 - 140 %	"				"
BRB0084-01RE1 (EFR- 1)		Water			Sampled: 02/07/08 11:45					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	----	50.0	ug/l	1x	8B11045	02/11/08 16:31	02/12/08 00:06	
<i>Surrogate(s): 4-BFB (FID)</i>			80.8%		58 - 144 %	"				"
BRB0084-02 (EFR- 2)		Water			Sampled: 02/07/08 12:00					
Benzene	NWTPH-Gx/802 1B	ND	----	0.500	ug/l	1x	8B08013	02/08/08 10:38	02/08/08 16:38	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	----	1.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			91.4%		58 - 144 %	"				"
<i>4-BFB (PID)</i>			105%		68 - 140 %	"				"
BRB0084-02RE1 (EFR- 2)		Water			Sampled: 02/07/08 12:00					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	----	50.0	ug/l	1x	8B11045	02/11/08 16:31	02/12/08 00:39	
<i>Surrogate(s): 4-BFB (FID)</i>			74.2%		58 - 144 %	"				"
BRB0084-03 (EFR- 3)		Water			Sampled: 02/07/08 12:15					
Benzene	NWTPH-Gx/802 1B	ND	----	0.500	ug/l	1x	8B08013	02/08/08 10:38	02/09/08 06:19	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	----	1.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (PID)</i>			105%		68 - 140 %	"				"

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Seattle, Wa	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 5353	Report Created:
Redmond, WA/USA 98073	Project Manager: Matthew Davis	02/14/08 16:46

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
BRB0084-03RE1 (EFR- 3)		Water			Sampled: 02/07/08 12:15					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	----	50.0	ug/l	1x	8B11045	02/11/08 16:31	02/12/08 01:12	
<i>Surrogate(s): 4-BFB (FID)</i>			77.8%		58 - 144 %	"				"
BRB0084-04 (MW- 46)		Water			Sampled: 02/07/08 13:33					
Benzene	NWTPH-Gx/802 1B	0.798	----	0.500	ug/l	1x	8B08013	02/08/08 10:38	02/09/08 00:18	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	9.09	----	0.500	"	"	"	"	"	
Xylenes (total)	"	14.6	----	1.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (PID)</i>			108%		68 - 140 %	"				"
BRB0084-04RE1 (MW- 46)		Water			Sampled: 02/07/08 13:33					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	333	----	50.0	ug/l	1x	8B11045	02/11/08 16:31	02/12/08 01:44	
<i>Surrogate(s): 4-BFB (FID)</i>			84.5%		58 - 144 %	"				"
BRB0084-05 (MW- 65)		Water			Sampled: 02/07/08 13:35					
Benzene	NWTPH-Gx/802 1B	0.931	----	0.500	ug/l	1x	8B08013	02/08/08 10:38	02/08/08 23:45	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	2.45	----	0.500	"	"	"	"	"	
Xylenes (total)	"	3.91	----	1.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (PID)</i>			107%		68 - 140 %	"				"
BRB0084-05RE1 (MW- 65)		Water			Sampled: 02/07/08 13:35					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	148	----	50.0	ug/l	1x	8B11045	02/11/08 16:31	02/12/08 02:17	
<i>Surrogate(s): 4-BFB (FID)</i>			80.7%		58 - 144 %	"				"
BRB0084-06 (MW- 88)		Water			Sampled: 02/07/08 13:30					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	3750	----	50.0	ug/l	1x	8B08013	02/08/08 10:38	02/09/08 00:51	B1
Benzene	"	1.81	----	0.500	"	"	"	"	"	
Toluene	"	ND	----	0.500	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			166%		58 - 144 %	"				ZX
<i>4-BFB (PID)</i>			146%		68 - 140 %	"				ZX

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Seattle, Wa**
 Project Number: 5353
 Project Manager: Matthew Davis

Report Created:
 02/14/08 16:46

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
BRB0084-06RE1 (MW- 88)		Water			Sampled: 02/07/08 13:30					
Ethylbenzene	NWTPH-Gx/802 1B	168	----	2.50	ug/l	5x	8B11045	02/11/08 16:31	02/12/08 06:41	
Xylenes (total)	"	285	----	5.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (PID)</i>			104%		68 - 140 %	1x				"

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Seattle, Wa	Report Created:
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 5353	02/14/08 16:46
Redmond, WA/USA 98073	Project Manager: Matthew Davis	

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

QC Batch: 8B08013 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 (8B08013-BLK1)													Extracted: 02/08/08 10:38	
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	61.5	---	50.0	ug/l	1x	--	--	--	--	--	--	02/08/08 14:27	B
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>85.4%</i>	<i>Limits: 58-144%</i>		<i>"</i>						<i>02/08/08 14:27</i>		
<i>4-BFB (PID)</i>			<i>109%</i>	<i>68-140%</i>		<i>"</i>						<i>"</i>		

LCS (8B08013-BS1)													Extracted: 02/08/08 10:38	
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	867	---	50.0	ug/l	1x	--	1000	86.7%	(80-120)	--	--	02/08/08 13:54	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>90.1%</i>	<i>Limits: 58-144%</i>		<i>"</i>						<i>02/08/08 13:54</i>		

LCS (8B08013-BS2)													Extracted: 02/08/08 10:38	
Benzene	NWTPH-Gx/ 8021B	26.6	---	0.500	ug/l	1x	--	30.0	88.7%	(80-120)	--	--	02/08/08 15:00	
Toluene	"	27.6	---	0.500	"	"	--	"	92.0%	"	--	--	"	
Ethylbenzene	"	27.5	---	0.500	"	"	--	"	91.6%	"	--	--	"	
Xylenes (total)	"	85.8	---	1.00	"	"	--	90.0	95.3%	"	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery:</i>	<i>109%</i>	<i>Limits: 68-140%</i>		<i>"</i>						<i>02/08/08 15:00</i>		

Duplicate (8B08013-DUP1)													QC Source: BRB0084-01		Extracted: 02/08/08 10:38	
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	51.9	---	50.0	ug/l	1x	52.7	--	--	--	1.57%	(25)	02/08/08 16:05			
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	"	"			
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>85.0%</i>	<i>Limits: 58-144%</i>		<i>"</i>						<i>02/08/08 16:05</i>				
<i>4-BFB (PID)</i>			<i>109%</i>	<i>68-140%</i>		<i>"</i>						<i>"</i>				

Duplicate (8B08013-DUP2)													QC Source: BRB0084-02		Extracted: 02/08/08 10:38	
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	50.9	---	50.0	ug/l	1x	61.1	--	--	--	18.2%	(25)	02/08/08 17:11			
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	"	"			
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>91.1%</i>	<i>Limits: 58-144%</i>		<i>"</i>						<i>02/08/08 17:11</i>				
<i>4-BFB (PID)</i>			<i>110%</i>	<i>68-140%</i>		<i>"</i>						<i>"</i>				

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Seattle, Wa	Report Created:
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 5353	02/14/08 16:46
Redmond, WA/USA 98073	Project Manager: Matthew Davis	

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

QC Batch: 8B08013 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 (8B08013-MS1)			QC Source: BRB0084-01			Extracted: 02/08/08 10:38								
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	1020	---	50.0	ug/l	1x	52.7	1000	97.1%	(75-131)	--	--	02/08/08 17:44	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 95.3%</i>		<i>Limits: 58-144%</i>		<i>"</i>		<i>02/08/08 17:44</i>						
Matrix Spike (8B08013-MS2)			QC Source: BRB0084-02			Extracted: 02/08/08 10:38								
Benzene	NWTPH-Gx/8021B	32.1	---	0.500	ug/l	1x	ND	30.0	107%	(46-130)	--	--	02/08/08 18:17	
Toluene	"	29.9	---	0.500	"	"	ND	"	99.6%	(60-124)	--	--	"	
Ethylbenzene	"	30.0	---	0.500	"	"	ND	"	100%	(56-141)	--	--	"	
Xylenes (total)	"	92.5	---	1.00	"	"	ND	90.0	103%	(66-132)	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery: 104%</i>		<i>Limits: 68-140%</i>		<i>"</i>		<i>02/08/08 18:17</i>						

QC Batch: 8B11045 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 (8B11045-BLK1)			QC Source: BRB0084-01			Extracted: 02/11/08 14:00								
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	02/11/08 16:13	
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 82.4%</i>		<i>Limits: 58-144%</i>		<i>"</i>		<i>02/11/08 16:13</i>						
<i>4-BFB (PID)</i>		<i>94.5%</i>		<i>68-140%</i>		<i>"</i>		<i>"</i>						
LCS (8B11045-BS1)			QC Source: BRB0084-02			Extracted: 02/11/08 14:00								
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	940	---	50.0	ug/l	1x	--	1000	94.0%	(80-120)	--	--	02/11/08 16:46	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 88.0%</i>		<i>Limits: 58-144%</i>		<i>"</i>		<i>02/11/08 16:46</i>						
LCS (8B11045-BS2)			QC Source: BRB0084-02			Extracted: 02/11/08 14:00								
Benzene	NWTPH-Gx/8021B	26.9	---	0.500	ug/l	1x	--	30.0	89.5%	(80-120)	--	--	02/11/08 17:19	
Toluene	"	27.8	---	0.500	"	"	--	"	92.6%	"	--	--	"	
Ethylbenzene	"	27.2	---	0.500	"	"	--	"	90.7%	"	--	--	"	
Xylenes (total)	"	83.8	---	1.00	"	"	--	90.0	93.1%	"	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery: 96.1%</i>		<i>Limits: 68-140%</i>		<i>"</i>		<i>02/11/08 17:19</i>						

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Seattle, Wa	Report Created:
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 5353	02/14/08 16:46
Redmond, WA/USA 98073	Project Manager: Matthew Davis	

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

QC Batch: 8B11045 Water Preparation Method: EPA 5030B (P/T)

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes	
Duplicate (8B11045-DUP1)			QC Source: BRB0094-03					Extracted: 02/11/08 16:31							
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	ND	---	50.0	ug/l	1x	ND	--	--	--	NR (25)		02/11/08 18:37		
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	"	"		
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 81.0%</i>		<i>Limits: 58-144%</i>		"							02/11/08 18:37		
<i>4-BFB (PID)</i>		<i>97.2%</i>		<i>68-140%</i>		"							"		

Duplicate (8B11045-DUP2)			QC Source: BRB0094-04					Extracted: 02/11/08 16:31							
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	ND	---	50.0	ug/l	1x	ND	--	--	--	NR (25)		02/11/08 19:43		
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	"	"		
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 74.9%</i>		<i>Limits: 58-144%</i>		"							02/11/08 19:43		
<i>4-BFB (PID)</i>		<i>97.0%</i>		<i>68-140%</i>		"							"		

Matrix Spike (8B11045-MS1)			QC Source: BRB0094-03					Extracted: 02/11/08 16:31							
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	1110	---	50.0	ug/l	1x	ND	1000	111%	(75-131)	--	--	02/11/08 20:49		
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 90.8%</i>		<i>Limits: 58-144%</i>		"							02/11/08 20:49		

Matrix Spike (8B11045-MS2)			QC Source: BRB0094-04					Extracted: 02/11/08 16:31							
Benzene	NWTPH-Gx/8021B	29.7	---	0.500	ug/l	1x	ND	30.0	99.2%	(46-130)	--	--	02/11/08 21:22		
Toluene	"	30.5	---	0.500	"	"	ND	"	102%	(60-124)	--	--	"		
Ethylbenzene	"	30.5	---	0.500	"	"	ND	"	102%	(56-141)	--	--	"		
Xylenes (total)	"	92.5	---	1.00	"	"	ND	90.0	103%	(66-132)	--	--	"		
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery: 94.1%</i>		<i>Limits: 68-140%</i>		"							02/11/08 21:22		

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Seattle, Wa**

Project Number: 5353

Project Manager: Matthew Davis

Report Created:

02/14/08 16:46

Notes and Definitions

Report Specific Notes:

- B - Analyte was detected in the associated Method Blank.
- B1 - Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
- ZX - Due to sample matrix effects, the surrogate recovery was outside the 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



Sandra Yakamavich, Project Manager

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CHAIN OF CUSTODY REPORT

Work Order #: **BRB0084**

CLIENT: Secor		INVOICE TO:		TURNAROUND REQUEST in Business Days * Organic & Inorganic Analyses <input type="checkbox"/> 10 <input type="checkbox"/> 7 <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 <small>STD.</small> Petroleum Hydrocarbon Analyses <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 <small>STD.</small> <input type="checkbox"/> OTHER Specify: <small>* Turnaround Requests less than standard may incur Rush Charges.</small>								
REPORT TO: 12034 134th Ct. NE ADDRESS: Redmond, WA 98052		P.O. NUMBER:										
PHONE: 425-372-1600 FAX: X-1650		PRESERVATIVE										
PROJECT NAME: W 5353		REQUESTED ANALYSES										
PROJECT NUMBER: 5353												
SAMPLED BY: MAT Tolley												
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PPG	BOX					MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID	
1 EFR-1	1/7/08 1145							W				
2 EFR-2	1200								W			
3 EFR-3	1215								W			
4 MW-46	1333 am								W			
5 MW-65	1335								W			
6 MW-88	1330								W			
7												
8												
9												
10												
RELEASED BY: Matthew Davis		DATE: 1/7/08		RECEIVED BY: Colette Weaver		DATE: 02/08/08						
PRINT NAME: Matthew Davis		FIRM: Secor		TIME: 1520		PRINT NAME: Colette Weaver		FIRM: TAL Seattle		TIME: 131520		
RELEASED BY:		DATE:		RECEIVED BY:		DATE:						
PRINT NAME:		FIRM:		TIME:		PRINT NAME:		FIRM:		TIME:		
ADDITIONAL REMARKS:								TEMP: 7.2c	PAGE 1/0 OF			

April 22, 2008

Matthew Davis
Secor-Redmond
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)
Redmond, WA/USA 98073

RE: 5353 Seattle, Wa

Enclosed are the results of analyses for samples received by the laboratory on 02/07/08 15:17.
The following list is a summary of the Work Orders contained in this report, generated on 04/22/08
15:00.

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

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BRB0080	5353 Seattle, Wa	5353

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond

PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)
Redmond, WA/USA 98073

Project Name: **5353 Seattle, Wa**
Project Number: 5353
Project Manager: Matthew Davis

Report Created:
04/22/08 15:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFR-1	BRB0080-01	Air	02/07/08 12:40	02/07/08 15:17
EFR-2	BRB0080-02	Air	02/07/08 12:42	02/07/08 15:17
EFR-3	BRB0080-03	Air	02/07/08 12:44	02/07/08 15:17
MW-88	BRB0080-04	Air	02/07/08 13:45	02/07/08 15:17
MW-46	BRB0080-05	Air	02/07/08 13:48	02/07/08 15:17
MW-65	BRB0080-06	Air	02/07/08 13:50	02/07/08 15:17

TestAmerica Seattle



Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Seattle, Wa	Report Created:
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number: 5353	04/22/08 15:00
Redmond, WA/USA 98073	Project Manager: Matthew Davis	

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
BRB0080-01 (EFR-1)		Air			Sampled: 02/07/08 12:40					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8B07022	02/07/08 18:01	02/07/08 20:37	
Gasoline Range Hydrocarbons (v/v)	"	ND	----	2.36	ppmv	"	"	"	"	
Surrogate(s): 4-BFB (FID)			81.4%		70 - 150 %	"				"
BRB0080-02 (EFR-2)		Air			Sampled: 02/07/08 12:42					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8B07022	02/07/08 18:01	02/07/08 21:07	
Gasoline Range Hydrocarbons (v/v)	"	ND	----	2.36	ppmv	"	"	"	"	
Surrogate(s): 4-BFB (FID)			81.4%		70 - 150 %	"				"
BRB0080-03 (EFR-3)		Air			Sampled: 02/07/08 12:44					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8B07022	02/07/08 18:01	02/07/08 22:07	
Gasoline Range Hydrocarbons (v/v)	"	ND	----	2.36	ppmv	"	"	"	"	
Surrogate(s): 4-BFB (FID)			84.9%		70 - 150 %	"				"
BRB0080-04 (MW-88)		Air			Sampled: 02/07/08 13:45					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8B07022	02/07/08 18:01	02/07/08 22:37	
Gasoline Range Hydrocarbons (v/v)	"	ND	----	2.36	ppmv	"	"	"	"	
Surrogate(s): 4-BFB (FID)			84.5%		70 - 150 %	"				"
BRB0080-05 (MW-46)		Air			Sampled: 02/07/08 13:48					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8B07022	02/07/08 18:01	02/07/08 23:07	
Gasoline Range Hydrocarbons (v/v)	"	ND	----	2.36	ppmv	"	"	"	"	
Surrogate(s): 4-BFB (FID)			84.0%		70 - 150 %	"				"
BRB0080-06 (MW-65)		Air			Sampled: 02/07/08 13:50					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8B07022	02/07/08 18:01	02/07/08 23:37	
Gasoline Range Hydrocarbons (v/v)	"	ND	----	2.36	ppmv	"	"	"	"	
Surrogate(s): 4-BFB (FID)			84.8%		70 - 150 %	"				"

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Seattle, Wa	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number: 5353	Report Created:
Redmond, WA/USA 98073	Project Manager: Matthew Davis	04/22/08 15:00

Volatile Organic Compounds by EPA Method 8260B
 TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRB0080-01 (EFR-1)		Air			Sampled: 02/07/08 12:40					
Benzene	EPA 8260B	ND	----	0.617	ppmv	1x	8B08008	02/08/08 10:00	02/08/08 12:33	
Ethylbenzene	"	ND	----	0.454	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.482	"	"	"	"	"	
Toluene	"	ND	----	0.523	"	"	"	"	"	
o-Xylene	"	ND	----	0.454	"	"	"	"	"	
m,p-Xylene	"	ND	----	0.454	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>				86.1%		69 - 131 %	"			"
<i>Toluene-d8</i>				99.2%		72 - 131 %	"			"
<i>4-BFB</i>				100%		78 - 121 %	"			"
BRB0080-02 (EFR-2)		Air			Sampled: 02/07/08 12:42					
Benzene	EPA 8260B	ND	----	0.617	ppmv	1x	8B08008	02/08/08 10:00	02/08/08 13:05	
Ethylbenzene	"	ND	----	0.454	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.482	"	"	"	"	"	
Toluene	"	ND	----	0.523	"	"	"	"	"	
o-Xylene	"	ND	----	0.454	"	"	"	"	"	
m,p-Xylene	"	ND	----	0.454	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>				101%		69 - 131 %	"			"
<i>Toluene-d8</i>				98.6%		72 - 131 %	"			"
<i>4-BFB</i>				101%		78 - 121 %	"			"
BRB0080-03 (EFR-3)		Air			Sampled: 02/07/08 12:44					
Benzene	EPA 8260B	ND	----	0.617	ppmv	1x	8B08008	02/08/08 10:00	02/08/08 13:36	
Ethylbenzene	"	ND	----	0.454	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.482	"	"	"	"	"	
Toluene	"	ND	----	0.523	"	"	"	"	"	
o-Xylene	"	ND	----	0.454	"	"	"	"	"	
m,p-Xylene	"	ND	----	0.454	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>				100%		69 - 131 %	"			"
<i>Toluene-d8</i>				98.3%		72 - 131 %	"			"
<i>4-BFB</i>				100%		78 - 121 %	"			"

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond

PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)
 Redmond, WA/USA 98073

Project Name: **5353 Seattle, Wa**
 Project Number: 5353
 Project Manager: Matthew Davis

Report Created:
 04/22/08 15:00

Volatile Organic Compounds by EPA Method 8260B
 TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRB0080-04 (MW-88)		Air			Sampled: 02/07/08 13:45					
Benzene	EPA 8260B	ND	----	0.617	ppmv	1x	8B08008	02/08/08 10:00	02/08/08 14:08	
Ethylbenzene	"	ND	----	0.454	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	----	0.482	"	"	"	"	"	"
Toluene	"	ND	----	0.523	"	"	"	"	"	"
o-Xylene	"	ND	----	0.454	"	"	"	"	"	"
m,p-Xylene	"	ND	----	0.454	"	"	"	"	"	"
<i>Surrogate(s): 1,2-DCA-d4</i>			<i>101%</i>		<i>69 - 131 %</i>	<i>"</i>				<i>"</i>
<i>Toluene-d8</i>			<i>99.7%</i>		<i>72 - 131 %</i>	<i>"</i>				<i>"</i>
<i>4-BFB</i>			<i>100%</i>		<i>78 - 121 %</i>	<i>"</i>				<i>"</i>
BRB0080-05 (MW-46)		Air			Sampled: 02/07/08 13:48					
Benzene	EPA 8260B	ND	----	0.617	ppmv	1x	8B08008	02/08/08 10:00	02/08/08 14:39	
Ethylbenzene	"	ND	----	0.454	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	----	0.482	"	"	"	"	"	"
Toluene	"	ND	----	0.523	"	"	"	"	"	"
o-Xylene	"	ND	----	0.454	"	"	"	"	"	"
m,p-Xylene	"	ND	----	0.454	"	"	"	"	"	"
<i>Surrogate(s): 1,2-DCA-d4</i>			<i>101%</i>		<i>69 - 131 %</i>	<i>"</i>				<i>"</i>
<i>Toluene-d8</i>			<i>99.8%</i>		<i>72 - 131 %</i>	<i>"</i>				<i>"</i>
<i>4-BFB</i>			<i>101%</i>		<i>78 - 121 %</i>	<i>"</i>				<i>"</i>
BRB0080-06 (MW-65)		Air			Sampled: 02/07/08 13:50					
Benzene	EPA 8260B	ND	----	0.617	ppmv	1x	8B08008	02/08/08 10:00	02/08/08 15:11	
Ethylbenzene	"	ND	----	0.454	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	----	0.482	"	"	"	"	"	"
Toluene	"	ND	----	0.523	"	"	"	"	"	"
o-Xylene	"	ND	----	0.454	"	"	"	"	"	"
m,p-Xylene	"	ND	----	0.454	"	"	"	"	"	"
<i>Surrogate(s): 1,2-DCA-d4</i>			<i>100%</i>		<i>69 - 131 %</i>	<i>"</i>				<i>"</i>
<i>Toluene-d8</i>			<i>98.9%</i>		<i>72 - 131 %</i>	<i>"</i>				<i>"</i>
<i>4-BFB</i>			<i>99.7%</i>		<i>78 - 121 %</i>	<i>"</i>				<i>"</i>

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Seattle, Wa	Report Created:
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number: 5353	04/22/08 15:00
Redmond, WA/USA 98073	Project Manager: Matthew Davis	

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

QC Batch: 8B07022 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 (8B07022-BLK1)													Extracted: 02/07/08 10:00	
Gasoline Range Hydrocarbons	NWTPH Modified	ND	---	10.0	mg/m ³ Air	1x	--	--	--	--	--	--	02/07/08 10:21	
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/m ³ Air	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>86.8%</i>	<i>Limits: 70-150%</i>		<i>"</i>						<i>02/07/08 10:21</i>		
<i>4-BFB (PID)</i>			<i>93.9%</i>	<i>75-125%</i>		<i>"</i>						<i>"</i>		
LCS (8B07022-BS1)													Extracted: 02/07/08 10:00	
Gasoline Range Hydrocarbons	NWTPH Modified	116	---	10.0	mg/m ³ Air	1x	--	100	116%	(50-150)	--	--	02/07/08 10:51	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>91.7%</i>	<i>Limits: 70-150%</i>		<i>"</i>						<i>02/07/08 10:51</i>		
LCS (8B07022-BS2)													Extracted: 02/07/08 10:00	
Benzene	NWTPH Modified	1.14	---	0.100	mg/m ³ Air	1x	--	2.00	57.2%	(50-150)	--	--	02/07/08 11:51	
Toluene	"	1.49	---	0.100	"	"	--	"	74.3%	"	--	--	"	
Ethylbenzene	"	1.21	---	0.100	"	"	--	"	60.6%	"	--	--	"	
Xylenes (total)	"	4.01	---	0.200	"	"	--	6.00	66.9%	"	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery:</i>	<i>97.9%</i>	<i>Limits: 75-125%</i>		<i>"</i>						<i>02/07/08 11:51</i>		
LCS Dup (8B07022-BSD1)													Extracted: 02/07/08 10:00	
Gasoline Range Hydrocarbons	NWTPH Modified	120	---	10.0	mg/m ³ Air	1x	--	100	120%	(50-150)	3.79%	(50)	02/07/08 11:21	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>93.6%</i>	<i>Limits: 70-150%</i>		<i>"</i>						<i>02/07/08 11:21</i>		
LCS Dup (8B07022-BSD2)													Extracted: 02/07/08 10:00	
Benzene	NWTPH Modified	1.25	---	0.100	mg/m ³ Air	1x	--	2.00	62.6%	(50-150)	8.91%	(50)	02/07/08 12:21	
Toluene	"	1.25	---	0.100	"	"	--	"	62.5%	"	17.3%	"	"	
Ethylbenzene	"	1.29	---	0.100	"	"	--	"	64.3%	"	5.83%	"	"	
Xylenes (total)	"	3.96	---	0.200	"	"	--	6.00	66.0%	"	1.35%	"	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery:</i>	<i>97.1%</i>	<i>Limits: 75-125%</i>		<i>"</i>						<i>02/07/08 12:21</i>		

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Seattle, Wa	Report Created:
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number: 5353	04/22/08 15:00
Redmond, WA/USA 98073	Project Manager: Matthew Davis	

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

QC Batch: 8B07022 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 (8B07022-DUP1)				QC Source: BRB0045-01			Extracted: 02/07/08 13:01							
Gasoline Range Hydrocarbons	NWTPH Modified	ND	---	10.0	mg/m ³ Air	1x	ND	--	--	--	15.9% (30)		02/07/08 13:42	
Gasoline Range Hydrocarbons (v/v)	"	ND	---	2.36	ppmv	"	ND	--	--	--	15.9%	"	"	
Benzene (v/v)	"	0.0352	---	0.0308	"	"	0.0464	--	--	--	27.5%	"	"	
Toluene (v/v)	"	0.0438	---	0.0261	"	"	0.0547	--	--	--	22.1%	"	"	
Ethylbenzene (v/v)	"	ND	---	0.0227	"	"	ND	--	--	--	44.9%	"	"	R4
Xylenes, total (v/v)	"	0.0498	---	0.0454	"	"	0.0673	--	--	--	29.8%	"	"	
Benzene	"	0.114	---	0.100	mg/m ³ Air	"	0.151	--	--	--	27.5%	"	"	
Toluene	"	0.168	---	0.100	"	"	0.209	--	--	--	22.1%	"	"	
Ethylbenzene	"	ND	---	0.100	"	"	ND	--	--	--	44.9%	"	"	R4
Xylenes (total)	"	0.220	---	0.200	"	"	0.297	--	--	--	29.8%	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 81.5%</i>		<i>Limits: 70-150%</i>		<i>"</i>							<i>02/07/08 13:42</i>	
<i>4-BFB (PID)</i>		<i>99.9%</i>		<i>75-125%</i>		<i>"</i>							<i>"</i>	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Seattle, Wa	Report Created:
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number: 5353	04/22/08 15:00
Redmond, WA/USA 98073	Project Manager: Matthew Davis	

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

QC Batch: 8B08008 Air Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8B08008-BLK1)													Extracted: 02/08/08 10:00	
Benzene	EPA 8260B	ND	---	0.617	ppmv	1x	--	--	--	--	--	--	02/08/08 11:26	
Ethylbenzene	"	ND	---	0.454	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.482	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.523	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.454	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.454	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery:</i>	<i>104%</i>	<i>Limits: 69-131%</i>		<i>"</i>							<i>02/08/08 11:26</i>	
<i>Toluene-d8</i>			<i>99.6%</i>	<i>72-131%</i>		<i>"</i>							<i>"</i>	
<i>4-BFB</i>			<i>102%</i>	<i>78-121%</i>		<i>"</i>							<i>"</i>	

LCS (8B08008-BS1)													Extracted: 02/08/08 10:00	
Benzene	EPA 8260B	2.88	---	0.617	ppmv	1x	--	3.09	93.4%	(50-150)	--	--	02/08/08 10:19	
Ethylbenzene	"	2.23	---	0.454	"	"	--	2.27	98.4%	(0-200)	--	--	"	
Methyl tert-butyl ether	"	1.68	---	0.482	"	"	--	2.41	69.8%	"	--	--	"	
Toluene	"	2.53	---	0.523	"	"	--	2.62	96.8%	(50-150)	--	--	"	
o-Xylene	"	2.07	---	0.454	"	"	--	2.27	90.9%	(0-200)	--	--	"	
m,p-Xylene	"	2.31	---	0.454	"	"	--	"	102%	"	--	--	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery:</i>	<i>84.4%</i>	<i>Limits: 69-131%</i>		<i>"</i>							<i>02/08/08 10:19</i>	
<i>Toluene-d8</i>			<i>100%</i>	<i>72-131%</i>		<i>"</i>							<i>"</i>	
<i>4-BFB</i>			<i>99.5%</i>	<i>78-121%</i>		<i>"</i>							<i>"</i>	

LCS Dup (8B08008-BSD1)													Extracted: 02/08/08 10:00	
Benzene	EPA 8260B	2.84	---	0.617	ppmv	1x	--	3.09	91.9%	(50-150)	1.67%	(50)	02/08/08 10:51	
Ethylbenzene	"	2.21	---	0.454	"	"	--	2.27	97.3%	(0-200)	1.12%	(200)	"	
Methyl tert-butyl ether	"	1.60	---	0.482	"	"	--	2.41	66.4%	"	4.92%	"	"	
Toluene	"	2.47	---	0.523	"	"	--	2.62	94.3%	(50-150)	2.62%	(50)	"	
o-Xylene	"	2.06	---	0.454	"	"	--	2.27	90.7%	(0-200)	0.275%	(200)	"	
m,p-Xylene	"	2.30	---	0.454	"	"	--	"	101%	"	0.592%	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery:</i>	<i>82.6%</i>	<i>Limits: 69-131%</i>		<i>"</i>							<i>02/08/08 10:51</i>	
<i>Toluene-d8</i>			<i>101%</i>	<i>72-131%</i>		<i>"</i>							<i>"</i>	
<i>4-BFB</i>			<i>99.3%</i>	<i>78-121%</i>		<i>"</i>							<i>"</i>	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond

PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)
Redmond, WA/USA 98073

Project Name: **5353 Seattle, Wa**

Project Number: 5353

Project Manager: Matthew Davis

Report Created:

04/22/08 15:00

Notes and Definitions

Report Specific Notes:

R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

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

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TestAmerica

ANALYTICAL TESTING CORPORATION

CHAIN OF CUSTODY REPORT

Work Order #: **680080**

CLIENT: **CP**
 REPORT TO: **SELOR INT.**
 ADDRESS: **12024 134th NE, Suite 102, Redmond WA - 98052**
 PHONE: **425 3721600** FAX: **425 3721650**

INVOICE TO: **SAME ADD**

P.O. NUMBER:

PROJECT NAME:
 PROJECT NUMBER:
 PRESERVATIVE

SAMPLED BY:	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	REQUESTED ANALYSES																	
	EPR-1	2/7/08 12:40																		
	EPR-2	2/7/08 12:42																		
	EPR-3	2/7/08 12:44																		
	MW-650	2/7/08 1:45																		
	MW-46	2/7/08 1:46																		
	MW-65	2/7/08 1:50																		

OTHER

Specify:

* Turnaround Requests less than standard may incur Rush Charges.

MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
A	1	S353 01	WA
A	1		
A	1		
A	1		
A	1		
A	1		

RELEASED BY: **[Signature]** DATE: **1/7/08** TIME: **13:17**
 PRINT NAME: **COLETTE WEAVER**
 FIRM: **SELOR**
 RECEIVED BY: **COLETTE WEAVER** DATE: **02-07-08**
 PRINT NAME: **COLETTE WEAVER** TIME: **13:17**
 FIRM: **TAL-seattle**

RELEASED BY: DATE: TIME:
 PRINT NAME: FIRM: TIME:
 ADDITIONAL REMARKS: FIRM: TIME:
 TEMP: **18.1c** PAGE **10** OF **1517**

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
 11922 E. First Ave, Spokane, WA 99206-5302
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

425-420-9200 FAX 420-9210
 509-924-9200 FAX 924-9290
 503-906-9200 FAX 906-9210
 907-563-9200 FAX 563-9210

March 13, 2008

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

RE: 5353 Westlake & Mercer

Enclosed are the results of analyses for samples received by the laboratory on 03/06/08 16:58.
The following list is a summary of the Work Orders contained in this report, generated on 03/13/08
15:59.

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

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BRC0071	5353 Westlake & Mercer	1396

TestAmerica Seattle



Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Westlake & Mercer**

Project Number: 1396

Project Manager: Joe Rounds

Report Created:

03/13/08 15:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-48	BRC0071-01	Air	03/06/08 10:02	03/06/08 16:58
MW-88	BRC0071-02	Air	03/06/08 10:00	03/06/08 16:58
MW-48	BRC0071-03	Water	03/06/08 09:45	03/06/08 16:58
MW-88	BRC0071-04	Water	03/06/08 09:30	03/06/08 16:58

TestAmerica Seattle



Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Westlake & Mercer	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 1396	Report Created:
Redmond, WA/USA 98073	Project Manager: Joe Rounds	03/13/08 15:59

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
BRC0071-03 (MW-48)		Water			Sampled: 03/06/08 09:45					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	125	----	50.0	ug/l	1x	8C10015	03/10/08 09:18	03/10/08 14:50	
Benzene	"	0.652	----	0.500	"	"	"	"	"	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	2.46	----	0.500	"	"	"	"	"	
Xylenes (total)	"	4.35	----	1.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			97.6%		58 - 144 %	"				"
<i>4-BFB (PID)</i>			103%		68 - 140 %	"				"

BRC0071-04 (MW-88)		Water			Sampled: 03/06/08 09:30					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	1840	----	50.0	ug/l	1x	8C10015	03/10/08 09:18	03/11/08 05:37	
Benzene	"	2.18	----	0.500	"	"	"	"	"	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	69.9	----	0.500	"	"	"	"	"	
Xylenes (total)	"	120	----	1.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			133%		58 - 144 %	"				"
<i>4-BFB (PID)</i>			117%		68 - 140 %	"				"

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Westlake & Mercer**

Project Number: 1396

Project Manager: Joe Rounds

Report Created:

03/13/08 15:59

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
BRC0071-01 (MW-48)		Air		Sampled: 03/06/08 10:02						
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8C07014	03/07/08 09:42	03/07/08 14:24	
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/m ³ Air	"	"	"	"	
Toluene	"	ND	----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.200	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			71.5%		70 - 150 %	"				"
<i>4-BFB (PID)</i>			94.1%		75 - 125 %	"				"

BRC0071-02 (MW-88)		Air		Sampled: 03/06/08 10:00						
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8C07014	03/07/08 09:42	03/07/08 15:24	
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/m ³ Air	"	"	"	"	
Toluene	"	ND	----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.200	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			84.4%		70 - 150 %	"				"
<i>4-BFB (PID)</i>			96.0%		75 - 125 %	"				"

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Westlake & Mercer	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 1396	Report Created:
Redmond, WA/USA 98073	Project Manager: Joe Rounds	03/13/08 15:59

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

QC Batch: 8C10015 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 (8C10015-BLK1)													Extracted: 03/10/08 09:18	
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	03/10/08 13:11	
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 96.1%</i>		<i>Limits: 58-144%</i>	<i>"</i>								<i>03/10/08 13:11</i>	
<i>4-BFB (PID)</i>		<i>101%</i>		<i>68-140%</i>	<i>"</i>								<i>"</i>	

LCS (8C10015-BS1)													Extracted: 03/10/08 09:18	
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	922	---	50.0	ug/l	1x	--	1000	92.2%	(80-120)	--	--	03/10/08 13:44	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 106%</i>		<i>Limits: 58-144%</i>	<i>"</i>								<i>03/10/08 13:44</i>	

LCS (8C10015-BS2)													Extracted: 03/10/08 09:18	
Benzene	NWTPH-Gx/8021B	26.4	---	0.500	ug/l	1x	--	30.0	88.1%	(80-120)	--	--	03/10/08 14:17	
Toluene	"	27.3	---	0.500	"	"	--	"	90.9%	"	--	--	"	
Ethylbenzene	"	26.9	---	0.500	"	"	--	"	89.8%	"	--	--	"	
Xylenes (total)	"	80.9	---	1.00	"	"	--	90.0	89.9%	"	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery: 102%</i>		<i>Limits: 68-140%</i>	<i>"</i>								<i>03/10/08 14:17</i>	

Duplicate (8C10015-DUP1)													QC Source: BRC0071-03		Extracted: 03/10/08 09:18	
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	129	---	50.0	ug/l	1x	125	--	--	--	3.61%	(25)	03/10/08 15:23			
Benzene	"	0.605	---	0.500	"	"	0.652	--	--	--	7.48%	"	"			
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	15.3%	"	"			
Ethylbenzene	"	2.35	---	0.500	"	"	2.46	--	--	--	4.90%	"	"			
Xylenes (total)	"	4.14	---	1.00	"	"	4.35	--	--	--	4.95%	"	"			
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 97.9%</i>		<i>Limits: 58-144%</i>	<i>"</i>								<i>03/10/08 15:23</i>			
<i>4-BFB (PID)</i>		<i>101%</i>		<i>68-140%</i>	<i>"</i>								<i>"</i>			

Duplicate (8C10015-DUP2)													QC Source: BRC0082-01		Extracted: 03/10/08 09:18	
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	66.2	---	50.0	ug/l	1x	64.4	--	--	--	2.64%	(25)	03/10/08 16:29			
Benzene	"	0.555	---	0.500	"	"	0.516	--	--	--	7.28%	"	"			
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	12.0%	"	"			
Ethylbenzene	"	1.38	---	0.500	"	"	1.47	--	--	--	6.31%	"	"			
Xylenes (total)	"	3.21	---	1.00	"	"	3.05	--	--	--	5.04%	"	"			
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 98.2%</i>		<i>Limits: 58-144%</i>	<i>"</i>								<i>03/10/08 16:29</i>			
<i>4-BFB (PID)</i>		<i>102%</i>		<i>68-140%</i>	<i>"</i>								<i>"</i>			

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Westlake & Mercer	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 1396	Report Created:
Redmond, WA/USA 98073	Project Manager: Joe Rounds	03/13/08 15:59

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

QC Batch: 8C10015 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 (8C10015-MS1)			QC Source: BRC0071-03				Extracted: 03/10/08 09:18							
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1100	---	50.0	ug/l	1x	125	1000	97.5%	(75-131)	--	--	03/10/08 17:35	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 107%</i>		<i>Limits: 58-144%</i>		<i>"</i>						<i>03/10/08 17:35</i>		
Matrix Spike (8C10015-MS2)			QC Source: BRC0082-01				Extracted: 03/10/08 09:18							
Benzene	NWTPH-Gx/ 8021B	29.8	---	0.500	ug/l	1x	0.516	30.0	97.7%	(46-130)	--	--	03/10/08 18:08	
Toluene	"	29.1	---	0.500	"	"	0.133	"	96.5%	(60-124)	--	--	"	
Ethylbenzene	"	30.5	---	0.500	"	"	1.47	"	96.7%	(56-141)	--	--	"	
Xylenes (total)	"	90.1	---	1.00	"	"	3.05	90.0	96.8%	(66-132)	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery: 102%</i>		<i>Limits: 68-140%</i>		<i>"</i>						<i>03/10/08 18:08</i>		

TestAmerica Seattle

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Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Westlake & Mercer	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 1396	Report Created:
Redmond, WA/USA 98073	Project Manager: Joe Rounds	03/13/08 15:59

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

QC Batch: 8C07014 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 (8C07014-BLK1)													Extracted: 03/07/08 09:42	
Gasoline Range Hydrocarbons	NWTPH Modified	ND	---	10.0	mg/m ³ Air	1x	--	--	--	--	--	--	03/07/08 10:24	
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/m ³ Air	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>89.9%</i>	<i>Limits: 70-150%</i>		<i>"</i>							<i>03/07/08 10:24</i>	
<i>4-BFB (PID)</i>		<i>Recovery:</i>	<i>93.2%</i>	<i>Limits: 75-125%</i>		<i>"</i>							<i>"</i>	
LCS (8C07014-BS1)													Extracted: 03/07/08 09:42	
Gasoline Range Hydrocarbons	NWTPH Modified	99.2	---	10.0	mg/m ³ Air	1x	--	100	99.2%	(50-150)	--	--	03/07/08 11:46	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>76.8%</i>	<i>Limits: 70-150%</i>		<i>"</i>							<i>03/07/08 11:46</i>	
LCS (8C07014-BS2)													Extracted: 03/07/08 09:42	
Benzene	NWTPH Modified	1.61	---	0.100	mg/m ³ Air	1x	--	2.00	80.6%	(50-150)	--	--	03/07/08 12:46	
Toluene	"	1.61	---	0.100	"	"	--	"	80.7%	"	--	--	"	
Ethylbenzene	"	1.57	---	0.100	"	"	--	"	78.5%	"	--	--	"	
Xylenes (total)	"	4.86	---	0.200	"	"	--	6.00	81.0%	"	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery:</i>	<i>98.0%</i>	<i>Limits: 75-125%</i>		<i>"</i>							<i>03/07/08 12:46</i>	
LCS Dup (8C07014-BSD1)													Extracted: 03/07/08 09:42	
Gasoline Range Hydrocarbons	NWTPH Modified	93.9	---	10.0	mg/m ³ Air	1x	--	100	93.9%	(50-150)	5.47% (50)		03/07/08 12:16	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>90.1%</i>	<i>Limits: 70-150%</i>		<i>"</i>							<i>03/07/08 12:16</i>	
LCS Dup (8C07014-BSD2)													Extracted: 03/07/08 09:42	
Benzene	NWTPH Modified	1.56	---	0.100	mg/m ³ Air	1x	--	2.00	77.9%	(50-150)	3.43% (50)		03/07/08 13:16	
Toluene	"	1.50	---	0.100	"	"	--	"	74.8%	"	7.61%	"	"	
Ethylbenzene	"	1.53	---	0.100	"	"	--	"	76.7%	"	2.41%	"	"	
Xylenes (total)	"	4.65	---	0.200	"	"	--	6.00	77.5%	"	4.40%	"	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery:</i>	<i>97.4%</i>	<i>Limits: 75-125%</i>		<i>"</i>							<i>03/07/08 13:16</i>	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Westlake & Mercer	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 1396	Report Created:
Redmond, WA/USA 98073	Project Manager: Joe Rounds	03/13/08 15:59

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

QC Batch: 8C07014 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 (8C07014-DUP1)			QC Source: BRC0071-01				Extracted: 03/07/08 09:42							
Gasoline Range Hydrocarbons (v/v)	NWTPH Modified	ND	---	2.36	ppmv	1x	ND	--	--	--	27.1% (30)		03/07/08 14:54	
Gasoline Range Hydrocarbons	"	ND	---	10.0	mg/m ³ Air	"	ND	--	--	--	27.1%	"	"	
Benzene (v/v)	"	ND	---	0.0308	ppmv	"	ND	--	--	--	NR	"	"	
Toluene (v/v)	"	ND	---	0.0261	"	"	ND	--	--	--	45.1%	"	"	R4
Ethylbenzene (v/v)	"	ND	---	0.0227	"	"	ND	--	--	--	53.0%	"	"	R4
Xylenes, total (v/v)	"	ND	---	0.0454	"	"	ND	--	--	--	58.6%	"	"	R4
Benzene	"	ND	---	0.100	mg/m ³ Air	"	ND	--	--	--	NR	"	"	
Toluene	"	ND	---	0.100	"	"	ND	--	--	--	45.1%	"	"	R4
Ethylbenzene	"	ND	---	0.100	"	"	ND	--	--	--	53.0%	"	"	R4
Xylenes (total)	"	ND	---	0.200	"	"	ND	--	--	--	58.6%	"	"	R4
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>83.3%</i>	<i>Limits: 70-150%</i>		<i>"</i>							<i>03/07/08 14:54</i>	
<i>4-BFB (PID)</i>			<i>97.2%</i>	<i>75-125%</i>		<i>"</i>							<i>"</i>	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Westlake & Mercer**

Project Number: 1396

Project Manager: Joe Rounds

Report Created:

03/13/08 15:59

Notes and Definitions

Report Specific Notes:

R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

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

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THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
 11922 E. First Ave, Spokane, WA 99206-5302
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

425-420-9200 FAX 420-9210
 509-924-9200 FAX 924-9290
 503-906-9200 FAX 906-9210
 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: **BRC0071**

CLIENT: SECOR-STANTEC / CP		INVOICE TO: SAME		TURNAROUND REQUEST in Business Days * Organic & Inorganic Analyses <input type="checkbox"/> 10 <input type="checkbox"/> 7 <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 STD. Petroleum Hydrocarbon Analyses <input checked="" type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 STD. <input type="checkbox"/> OTHER Specify: * Turnaround Requests less than standard may incur Rush Charges.							
REPORT TO: JOE ROWDS ADDRESS: 12034 134th Ct NE, Suite 102 Redmond, WA. 98052		P.O. NUMBER:									
PHONE: 425 332 1600 FAX: 425 332 1650		PRESERVATIVE									
PROJECT NAME: 5353 WESTLAKE & MERLEN		REQUESTED ANALYSES									
PROJECT NUMBER: 1346		SAMPLED BY: Matt Tolley									
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	TPH-CX	BTEX					MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1 MW-48 (AIR)	03/06 @ 10:00	X	X					Air	1	5353 WESTLAKE	WA 0
2 MW-88 (AIR)	03/06 @ 10:00	X	X					Air	1	5353 WESTLAKE	WA 0
3											
4 MW-48 (H ₂ O)	03/06 @ 9:45	X	X					WATER	3 W	5353	WA 0
5 MW-88 (H ₂ O)	03/06 @ 9:30	X	X					WATER	3 W	5353	WA 0
6 added by DB Trip Blank	3/6/08 @ 1645							W	4		0
7											
8											
9											
10											
RELEASED BY: Secor/Stanec		DATE: 03/06/08		RECEIVED BY: [Signature]		DATE: 3/6/08					
PRINT NAME: MATT TOLLEY		FIRM: SECOR/STANTEC		TIME: 13:55		PRINT NAME: Francisco Luna, Jr		FIRM: TAL-5		TIME: 1355	
RELEASED BY:		DATE:		RECEIVED BY:		DATE:					
PRINT NAME:		FIRM:		PRINT NAME:		FIRM:					
ADDITIONAL REMARKS:										@LAB 1645	
										TEMP: 8.6 °C PAGE 2 OF 10	

March 20, 2008

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

RE: 5353 Westlake & Mercer

Enclosed are the results of analyses for samples received by the laboratory on 03/07/08 08:05.
The following list is a summary of the Work Orders contained in this report, generated on 03/20/08
14:53.

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

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BRC0082	5353 Westlake & Mercer	1396

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Westlake & Mercer**

Project Number: 1396

Project Manager: Joe Rounds

Report Created:

03/20/08 14:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-48 (H2O)	BRC0082-01	Water	03/06/08 16:10	03/07/08 08:05
MW-88 (H2O)	BRC0082-02	Water	03/06/08 16:20	03/07/08 08:05
MW-48 (AIR)	BRC0082-03	Air	03/06/08 16:42	03/07/08 08:05
MW-88 (AIR)	BRC0082-04	Air	03/06/08 16:40	03/07/08 08:05

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Westlake & Mercer	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 1396	Report Created:
Redmond, WA/USA 98073	Project Manager: Joe Rounds	03/20/08 14:53

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
BRC0082-01 (MW-48 (H2O))		Water			Sampled: 03/06/08 16:10					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	64.4	----	50.0	ug/l	1x	8C10015	03/10/08 09:18	03/10/08 15:56	
Benzene	"	0.516	----	0.500	"	"	"	"	"	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	1.47	----	0.500	"	"	"	"	"	
Xylenes (total)	"	3.05	----	1.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			96.3%		58 - 144 %	"				"
<i>4-BFB (PID)</i>			106%		68 - 140 %	"				"

BRC0082-02 (MW-88 (H2O))		Water			Sampled: 03/06/08 16:20					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	1810	----	50.0	ug/l	1x	8C10015	03/10/08 09:18	03/10/08 23:37	
Benzene	"	2.23	----	0.500	"	"	"	"	"	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	81.9	----	0.500	"	"	"	"	"	
Xylenes (total)	"	172	----	1.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			131%		58 - 144 %	"				"
<i>4-BFB (PID)</i>			117%		68 - 140 %	"				"

TestAmerica Seattle



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Secor-Redmond

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

Project Name: **5353 Westlake & Mercer**

Project Number: 1396

Project Manager: Joe Rounds

Report Created:

03/20/08 14:53

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
BRC0082-03 (MW-48 (AIR))		Air		Sampled: 03/06/08 16:42						
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8C07014	03/07/08 09:42	03/07/08 16:24	
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/m ³ Air	"	"	"	"	
Toluene	"	ND	----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.200	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>				83.5%		70 - 150 %	"			"
<i>4-BFB (PID)</i>				97.9%		75 - 125 %	"			"

BRC0082-04 (MW-88 (AIR))		Air		Sampled: 03/06/08 16:40						
Gasoline Range Hydrocarbons	NWTPH Modified	11.2	----	10.0	mg/m ³ Air	1x	8C07014	03/07/08 09:42	03/07/08 18:24	
Gasoline Range Hydrocarbons (v/v)	"	2.63	----	2.36	ppmv	"	"	"	"	
Benzene (v/v)	"	ND	----	0.0308	"	"	"	"	"	
Toluene (v/v)	"	0.0262	----	0.0261	"	"	"	"	"	
Ethylbenzene (v/v)	"	0.0308	----	0.0227	"	"	"	"	"	
Xylenes, total (v/v)	"	0.108	----	0.0454	"	"	"	"	"	
Benzene	"	ND	----	0.100	mg/m ³ Air	"	"	"	"	
Toluene	"	0.100	----	0.100	"	"	"	"	"	
Ethylbenzene	"	0.136	----	0.100	"	"	"	"	"	
Xylenes (total)	"	0.475	----	0.200	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>				82.2%		70 - 150 %	"			"
<i>4-BFB (PID)</i>				96.7%		75 - 125 %	"			"

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Westlake & Mercer	Report Created:
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 1396	03/20/08 14:53
Redmond, WA/USA 98073	Project Manager: Joe Rounds	

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

QC Batch: 8C10015 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 (8C10015-BLK1)													Extracted: 03/10/08 09:18	
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	03/10/08 13:11	
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 96.1%</i>		<i>Limits: 58-144%</i>		"							03/10/08 13:11	
<i>4-BFB (PID)</i>		<i>101%</i>		<i>68-140%</i>		"							"	

LCS (8C10015-BS1)													Extracted: 03/10/08 09:18	
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	922	---	50.0	ug/l	1x	--	1000	92.2%	(80-120)	--	--	03/10/08 13:44	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 106%</i>		<i>Limits: 58-144%</i>		"							03/10/08 13:44	

LCS (8C10015-BS2)													Extracted: 03/10/08 09:18	
Benzene	NWTPH-Gx/8021B	26.4	---	0.500	ug/l	1x	--	30.0	88.1%	(80-120)	--	--	03/10/08 14:17	
Toluene	"	27.3	---	0.500	"	"	--	"	90.9%	"	--	--	"	
Ethylbenzene	"	26.9	---	0.500	"	"	--	"	89.8%	"	--	--	"	
Xylenes (total)	"	80.9	---	1.00	"	"	--	90.0	89.9%	"	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery: 102%</i>		<i>Limits: 68-140%</i>		"							03/10/08 14:17	

Duplicate (8C10015-DUP1)													QC Source: BRC0071-03		Extracted: 03/10/08 09:18	
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	129	---	50.0	ug/l	1x	125	--	--	--	3.61%	(25)	03/10/08 15:23			
Benzene	"	0.605	---	0.500	"	"	0.652	--	--	--	7.48%	"	"			
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	15.3%	"	"			
Ethylbenzene	"	2.35	---	0.500	"	"	2.46	--	--	--	4.90%	"	"			
Xylenes (total)	"	4.14	---	1.00	"	"	4.35	--	--	--	4.95%	"	"			
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 97.9%</i>		<i>Limits: 58-144%</i>		"							03/10/08 15:23			
<i>4-BFB (PID)</i>		<i>101%</i>		<i>68-140%</i>		"							"			

Duplicate (8C10015-DUP2)													QC Source: BRC0082-01		Extracted: 03/10/08 09:18	
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	66.2	---	50.0	ug/l	1x	64.4	--	--	--	2.64%	(25)	03/10/08 16:29			
Benzene	"	0.555	---	0.500	"	"	0.516	--	--	--	7.28%	"	"			
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	12.0%	"	"			
Ethylbenzene	"	1.38	---	0.500	"	"	1.47	--	--	--	6.31%	"	"			
Xylenes (total)	"	3.21	---	1.00	"	"	3.05	--	--	--	5.04%	"	"			
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 98.2%</i>		<i>Limits: 58-144%</i>		"							03/10/08 16:29			
<i>4-BFB (PID)</i>		<i>102%</i>		<i>68-140%</i>		"							"			

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Westlake & Mercer	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 1396	Report Created:
Redmond, WA/USA 98073	Project Manager: Joe Rounds	03/20/08 14:53

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

QC Batch: 8C10015 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 (8C10015-MS1)			QC Source: BRC0071-03			Extracted: 03/10/08 09:18								
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1100	---	50.0	ug/l	1x	125	1000	97.5%	(75-131)	--	--	03/10/08 17:35	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 107%</i>		<i>Limits: 58-144%</i>		<i>"</i>		<i>03/10/08 17:35</i>						
Matrix Spike (8C10015-MS2)			QC Source: BRC0082-01			Extracted: 03/10/08 09:18								
Benzene	NWTPH-Gx/ 8021B	29.8	---	0.500	ug/l	1x	0.516	30.0	97.7%	(46-130)	--	--	03/10/08 18:08	
Toluene	"	29.1	---	0.500	"	"	0.133	"	96.5%	(60-124)	--	--	"	
Ethylbenzene	"	30.5	---	0.500	"	"	1.47	"	96.7%	(56-141)	--	--	"	
Xylenes (total)	"	90.1	---	1.00	"	"	3.05	90.0	96.8%	(66-132)	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery: 102%</i>		<i>Limits: 68-140%</i>		<i>"</i>		<i>03/10/08 18:08</i>						

TestAmerica Seattle



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Secor-Redmond

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

Project Name: **5353 Westlake & Mercer**

Project Number: 1396

Project Manager: Joe Rounds

Report Created:

03/20/08 14:53

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

QC Batch: 8C07014 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 (8C07014-BLK1)										Extracted: 03/07/08 09:42				
Gasoline Range Hydrocarbons (v/v)	NWTPH Modified	ND	---	2.36	ppmv	1x	--	--	--	--	--	--	03/07/08 10:24	
Gasoline Range Hydrocarbons	"	ND	---	10.0	mg/m ³ 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/m ³ Air	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>89.9%</i>	<i>Limits: 70-150%</i>		<i>"</i>						<i>03/07/08 10:24</i>		
<i>4-BFB (PID)</i>		<i>Recovery:</i>	<i>93.2%</i>	<i>Limits: 75-125%</i>		<i>"</i>						<i>"</i>		
LCS (8C07014-BS1)										Extracted: 03/07/08 09:42				
Gasoline Range Hydrocarbons	NWTPH Modified	99.2	---	10.0	mg/m ³ Air	1x	--	100	99.2%	(50-150)	--	--	03/07/08 11:46	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>76.8%</i>	<i>Limits: 70-150%</i>		<i>"</i>						<i>03/07/08 11:46</i>		
LCS (8C07014-BS2)										Extracted: 03/07/08 09:42				
Benzene	NWTPH Modified	1.61	---	0.100	mg/m ³ Air	1x	--	2.00	80.6%	(50-150)	--	--	03/07/08 12:46	
Toluene	"	1.61	---	0.100	"	"	--	"	80.7%	"	--	--	"	
Ethylbenzene	"	1.57	---	0.100	"	"	--	"	78.5%	"	--	--	"	
Xylenes (total)	"	4.86	---	0.200	"	"	--	6.00	81.0%	"	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery:</i>	<i>98.0%</i>	<i>Limits: 75-125%</i>		<i>"</i>						<i>03/07/08 12:46</i>		
LCS Dup (8C07014-BSD1)										Extracted: 03/07/08 09:42				
Gasoline Range Hydrocarbons	NWTPH Modified	93.9	---	10.0	mg/m ³ Air	1x	--	100	93.9%	(50-150)	5.47% (50)		03/07/08 12:16	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>90.1%</i>	<i>Limits: 70-150%</i>		<i>"</i>						<i>03/07/08 12:16</i>		
LCS Dup (8C07014-BSD2)										Extracted: 03/07/08 09:42				
Benzene	NWTPH Modified	1.56	---	0.100	mg/m ³ Air	1x	--	2.00	77.9%	(50-150)	3.43% (50)		03/07/08 13:16	
Toluene	"	1.50	---	0.100	"	"	--	"	74.8%	"	7.61%	"	"	
Ethylbenzene	"	1.53	---	0.100	"	"	--	"	76.7%	"	2.41%	"	"	
Xylenes (total)	"	4.65	---	0.200	"	"	--	6.00	77.5%	"	4.40%	"	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery:</i>	<i>97.4%</i>	<i>Limits: 75-125%</i>		<i>"</i>						<i>03/07/08 13:16</i>		

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Westlake & Mercer	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: 1396	Report Created:
Redmond, WA/USA 98073	Project Manager: Joe Rounds	03/20/08 14:53

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

QC Batch: 8C07014 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 (8C07014-DUP1)			QC Source: BRC0071-01				Extracted: 03/07/08 09:42							
Gasoline Range Hydrocarbons (v/v)	NWTPH Modified	ND	---	2.36	ppmv	1x	ND	--	--	--	27.1% (30)		03/07/08 14:54	
Gasoline Range Hydrocarbons	"	ND	---	10.0	mg/m ³ Air	"	ND	--	--	--	27.1%	"	"	
Benzene (v/v)	"	ND	---	0.0308	ppmv	"	ND	--	--	--	NR	"	"	
Toluene (v/v)	"	ND	---	0.0261	"	"	ND	--	--	--	45.1%	"	"	R4
Ethylbenzene (v/v)	"	ND	---	0.0227	"	"	ND	--	--	--	53.0%	"	"	R4
Xylenes, total (v/v)	"	ND	---	0.0454	"	"	ND	--	--	--	58.6%	"	"	R4
Benzene	"	ND	---	0.100	mg/m ³ Air	"	ND	--	--	--	NR	"	"	
Toluene	"	ND	---	0.100	"	"	ND	--	--	--	45.1%	"	"	R4
Ethylbenzene	"	ND	---	0.100	"	"	ND	--	--	--	53.0%	"	"	R4
Xylenes (total)	"	ND	---	0.200	"	"	ND	--	--	--	58.6%	"	"	R4
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 83.3%</i>		<i>Limits: 70-150%</i>								<i>03/07/08 14:54</i>		
<i>4-BFB (PID)</i>		<i>97.2%</i>		<i>75-125%</i>								<i>"</i>		

TestAmerica Seattle



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Secor-Redmond

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

Project Name: **5353 Westlake & Mercer**

Project Number: 1396

Project Manager: Joe Rounds

Report Created:

03/20/08 14:53

Notes and Definitions

Report Specific Notes:

- C8 - Calibration Verification recovery was above the method control limit for this analyte. A high bias may be indicated.
- R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

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.

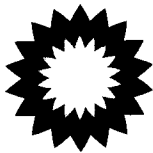
TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Phillips Site 5353 WESTLAKE
bp Project Name S353 WESTLAKE

Chain of Custody Record

BP BU/GEM CO Portfolio: ep site 1396
 BP Laboratory Contract Number: _____

Date: 03/06/08 Requested Due Date (mm/dd/yy) _____

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Send To: <u>SECON INT (JOE ROUNDS)</u>	BP/GEM Facility No.: <u>CP 255353</u>	Consultant/Contractor: <u>SECON INT / STANTEC</u>
Lab Name: <u>TEST AMERKA</u>	BP/GEM Facility Address:	Address: <u>12034 134th Ct NE, Suite 102</u>
Lab Address:	Site ID No. <u>5353</u>	<u>REDMOND, WA 98052</u>
	Site Lat/Long:	e-mail EDD:
	California Global ID #:	Consultant/Contractor Project No.:
Lab PM: <u>SANDRA</u>	BP/GEM PM Contact: <u>JERAMUS JROUND@secon.com</u>	Consultant/Contractor Tele/Fax:
Tele/Fax: <u>425 420 9200</u>	Address: <u>12034 134th Ct NE, Suite 102</u>	Consultant/Contractor PM:
Report Type & QC Level:	<u>REDMOND, WA 98052</u>	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.:	Tele/Fax: <u>425 372 1600 / 372 1650</u>	BP/GEM Work Release No:

Item No.	Sample Description	Time	Matrix				Laboratory No.	No. of containers	Preservatives				Requested Analysis				Sample Point Lat/Long and Comments	
			Soil/Solid	Water/Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	BTEX 8021	BTEX/TPH-G	EPA 8260	EPA 8270		
1	MW-48 (H ₂ O)	16:10		X			-01	3						X				
2	MW-86 (H ₂ O)	16:20		X			-02	3						X				
3																		
4	MW-48 (AIR)	16:42				X	-03	1	X					X				
5	MW-86 (AIR)	16:50				X	-04	1	X					X				
6																		
7																		
8																		
9																		
10																		

Sampler's Name: <u>Matt Tolley</u>	Relinquished By / Affiliation: <u>MATT TOLLEY / SAMPLER</u>	Date: <u>3/7</u>	Time: <u>0805</u>	Accepted By / Affiliation: <u>Collette Williams / TAL-seattle</u>	Date: <u>03-07-08</u>	Time: <u>0805</u>
Sampler's Company: <u>SECON/STANTEC</u>						
Shipment Date: <u>03/06/08</u>						
Shipment Method: <u>delivery</u>						
Shipment Tracking No:						

Special Instructions: _____

Custody Seals In Place Yes ___ No X Temperature Blank Yes ___ No X Cooler Temperature on Receipt 37 °F/C Trip Blank Yes ___ No ___

March 31, 2008

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

RE: 5353 Westlake & Mercer

Enclosed are the results of analyses for samples received by the laboratory on 03/20/08 16:55.
The following list is a summary of the Work Orders contained in this report, generated on 03/31/08
10:39.

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

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BRC0325	5353 Westlake & Mercer	OPLC.01396.41/255353

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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of custody document. This analytical report shall not be reproduced except in full,
without the written approval of the laboratory.*



Secor-Redmond

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

Project Name: **5353 Westlake & Mercer**

Project Number: OPLC.01396.41/255353

Project Manager: Jennifer Yotz

Report Created:

03/31/08 10:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFR-1 AIR	BRC0325-01	Air	03/20/08 10:30	03/20/08 16:55
EFR-2 AIR	BRC0325-02	Air	03/20/08 10:32	03/20/08 16:55
EFR-3 AIR	BRC0325-03	Air	03/20/08 10:34	03/20/08 16:55
MW-88 AIR	BRC0325-04	Air	03/20/08 13:05	03/20/08 16:55
MW-48 AIR	BRC0325-05	Air	03/20/08 13:07	03/20/08 16:55
MW-65 AIR	BRC0325-06	Air	03/20/08 13:09	03/20/08 16:55

TestAmerica Seattle



Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Westlake & Mercer**

Project Number: OPLC.01396.41/255353

Project Manager: Jennifer Yotz

Report Created:

03/31/08 10:39

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
BRC0325-01 (EFR-1 AIR)		Air		Sampled: 03/20/08 10:30						
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8C20010	03/20/08 18:00	03/20/08 19:55	
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)	"	0.0485	----	0.0454	"	"	"	"	"	
Benzene	"	ND	----	0.100	mg/m ³ Air	"	"	"	"	
Toluene	"	ND	----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"	
Xylenes (total)	"	0.214	----	0.200	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			87.4%		70 - 150 %	"				"
<i>4-BFB (PID)</i>			95.6%		75 - 125 %	"				"

BRC0325-02 (EFR-2 AIR)		Air		Sampled: 03/20/08 10:32						
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8C20010	03/20/08 18:00	03/20/08 20:55	
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/m ³ Air	"	"	"	"	
Toluene	"	ND	----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.200	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			86.4%		70 - 150 %	"				"
<i>4-BFB (PID)</i>			95.4%		75 - 125 %	"				"

BRC0325-03 (EFR-3 AIR)		Air		Sampled: 03/20/08 10:34						
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8C20010	03/20/08 18:00	03/20/08 21:25	
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/m ³ Air	"	"	"	"	
Toluene	"	ND	----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.200	"	"	"	"	"	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Westlake & Mercer	Report Created:
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: OPLC.01396.41/255353	03/31/08 10:39
Redmond, WA/USA 98073	Project Manager: Jennifer Yotz	

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
---------	--------	--------	------	-----	-------	-----	-------	----------	----------	-------

BRC0325-03 (EFR-3 AIR)	Air		Sampled: 03/20/08 10:34							
<i>Surrogate(s): 4-BFB (FID)</i>		85.8%		70 - 150 %	1x				03/20/08 21:25	
<i>4-BFB (PID)</i>		95.9%		75 - 125 %	"				"	

BRC0325-04RE1 (MW-88 AIR)	Air		Sampled: 03/20/08 13:05							
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8C21023	03/21/08 12:00	03/21/08 21:08	
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/m ³ Air	"	"	"	"	
Toluene	"	ND	----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.200	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>		84.2%		70 - 150 %	"				"	
<i>4-BFB (PID)</i>		97.8%		75 - 125 %	"				"	

BRC0325-05RE1 (MW-48 AIR)	Air		Sampled: 03/20/08 13:07							
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8C21023	03/21/08 12:00	03/21/08 23:08	
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/m ³ Air	"	"	"	"	
Toluene	"	ND	----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.200	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>		83.4%		70 - 150 %	"				"	
<i>4-BFB (PID)</i>		94.6%		75 - 125 %	"				"	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Westlake & Mercer**

Project Number: OPLC.01396.41/255353

Project Manager: Jennifer Yotz

Report Created:

03/31/08 10:39

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
BRC0325-06RE1 (MW-65 AIR)		Air		Sampled: 03/20/08 13:09						
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8C21023	03/21/08 12:00	03/21/08 23:38	
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/m ³ Air	"	"	"	"	
Toluene	"	ND	----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.200	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			80.8%		70 - 150 %	"				"
<i>4-BFB (PID)</i>			96.9%		75 - 125 %	"				"

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Westlake & Mercer**

Project Number: OPLC.01396.41/255353

Project Manager: Jennifer Yotz

Report Created:

03/31/08 10:39

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

QC Batch: 8C20010 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 (8C20010-BLK1)										Extracted: 03/20/08 09:16				
Gasoline Range Hydrocarbons	NWTPH Modified	ND	---	10.0	mg/m ³ Air	1x	--	--	--	--	--	--	03/20/08 10:45	
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/m ³ Air	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>88.6%</i>	<i>Limits: 70-150%</i>		<i>"</i>							<i>03/20/08 10:45</i>	
<i>4-BFB (PID)</i>		<i>Recovery:</i>	<i>94.3%</i>	<i>Limits: 75-125%</i>		<i>"</i>							<i>"</i>	
LCS (8C20010-BS1)										Extracted: 03/20/08 09:16				
Gasoline Range Hydrocarbons	NWTPH Modified	91.1	---	10.0	mg/m ³ Air	1x	--	100	91.1%	(50-150)	--	--	03/20/08 11:45	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>75.6%</i>	<i>Limits: 70-150%</i>		<i>"</i>							<i>03/20/08 11:45</i>	
LCS (8C20010-BS2)										Extracted: 03/20/08 09:16				
Benzene	NWTPH Modified	2.02	---	0.100	mg/m ³ Air	1x	--	2.00	101%	(50-150)	--	--	03/20/08 12:45	
Toluene	"	1.98	---	0.100	"	"	--	"	99.1%	"	--	--	"	
Ethylbenzene	"	1.92	---	0.100	"	"	--	"	95.8%	"	--	--	"	
Xylenes (total)	"	5.94	---	0.200	"	"	--	6.00	99.0%	"	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery:</i>	<i>96.6%</i>	<i>Limits: 75-125%</i>		<i>"</i>							<i>03/20/08 12:45</i>	
LCS Dup (8C20010-BSD1)										Extracted: 03/20/08 09:16				
Gasoline Range Hydrocarbons	NWTPH Modified	87.0	---	10.0	mg/m ³ Air	1x	--	100	87.0%	(50-150)	4.54% (50)	--	03/20/08 12:15	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>89.1%</i>	<i>Limits: 70-150%</i>		<i>"</i>							<i>03/20/08 12:15</i>	
LCS Dup (8C20010-BSD2)										Extracted: 03/20/08 09:16				
Benzene	NWTPH Modified	1.74	---	0.100	mg/m ³ Air	1x	--	2.00	87.1%	(50-150)	14.7% (50)	--	03/20/08 13:15	
Toluene	"	1.66	---	0.100	"	"	--	"	82.8%	"	17.9%	"	"	
Ethylbenzene	"	1.68	---	0.100	"	"	--	"	83.9%	"	13.2%	"	"	
Xylenes (total)	"	5.11	---	0.200	"	"	--	6.00	85.2%	"	15.0%	"	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery:</i>	<i>97.7%</i>	<i>Limits: 75-125%</i>		<i>"</i>							<i>03/20/08 13:15</i>	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Westlake & Mercer	Report Created:
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: OPLC.01396.41/255353	03/31/08 10:39
Redmond, WA/USA 98073	Project Manager: Jennifer Yotz	

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

QC Batch: 8C20010 **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 (8C20010-DUP2)			QC Source: BRC0325-01					Extracted: 03/20/08 09:16							
Gasoline Range Hydrocarbons	NWTPH Modified	ND	---	10.0	mg/m ³ Air	1x	ND	--	--	--	24.9%	(30)	03/20/08 20:24		
Gasoline Range Hydrocarbons (v/v)	"	ND	---	2.36	ppmv	"	ND	--	--	--	24.9%	"	"		
Benzene (v/v)	"	ND	---	0.0308	"	"	ND	--	--	--	NR	"	"		
Toluene (v/v)	"	ND	---	0.0261	"	"	ND	--	--	--	114%	"	"	R4	
Ethylbenzene (v/v)	"	ND	---	0.0227	"	"	ND	--	--	--	NR	"	"		
Xylenes, total (v/v)	"	ND	---	0.0454	"	"	0.0485	--	--	--	147%	"	"	R4	
Benzene	"	ND	---	0.100	mg/m ³ Air	"	ND	--	--	--	NR	"	"		
Toluene	"	ND	---	0.100	"	"	ND	--	--	--	114%	"	"	R4	
Ethylbenzene	"	ND	---	0.100	"	"	ND	--	--	--	NR	"	"		
Xylenes (total)	"	ND	---	0.200	"	"	0.214	--	--	--	147%	"	"	R4	
Surrogate(s): 4-BFB (FID)		Recovery:	88.3%	Limits: 70-150%		"		03/20/08 20:24							
4-BFB (PID)		Recovery:	96.6%	Limits: 75-125%		"		"							

QC Batch: 8C21023 **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 (8C21023-BLK1)								Extracted: 03/21/08 12:00							
Gasoline Range Hydrocarbons (v/v)	NWTPH Modified	ND	---	2.36	ppmv	1x	--	--	--	--	--	--	03/21/08 15:38		
Gasoline Range Hydrocarbons	"	ND	---	10.0	mg/m ³ 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/m ³ Air	"	--	--	--	--	--	--	"		
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"		
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"		
Xylenes (total)	"	ND	---	0.200	"	"	--	--	--	--	--	--	"		
Surrogate(s): 4-BFB (FID)		Recovery:	86.2%	Limits: 70-150%		"		03/21/08 15:38							
4-BFB (PID)		Recovery:	93.8%	Limits: 75-125%		"		"							

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Westlake & Mercer	Report Created:
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: OPLC.01396.41/255353	03/31/08 10:39
Redmond, WA/USA 98073	Project Manager: Jennifer Yotz	

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

QC Batch: 8C21023 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 (8C21023-BS1)													Extracted: 03/21/08 12:00			
Gasoline Range Hydrocarbons	NWTPH Modified	87.2	---	10.0	mg/m ³ Air	1x	--	100	87.2%	(50-150)	--	--	03/21/08 17:07			
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 72.1%</i>		<i>Limits: 70-150%</i>		<i>"</i>						<i>03/21/08 17:07</i>				
LCS (8C21023-BS2)													Extracted: 03/21/08 12:00			
Benzene	NWTPH Modified	1.74	---	0.100	mg/m ³ Air	1x	--	2.00	86.8%	(50-150)	--	--	03/21/08 18:07			
Toluene	"	1.74	---	0.100	"	"	--	"	87.1%	"	--	--	"			
Ethylbenzene	"	1.69	---	0.100	"	"	--	"	84.6%	"	--	--	"			
Xylenes (total)	"	5.24	---	0.200	"	"	--	6.00	87.4%	"	--	--	"			
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery: 97.0%</i>		<i>Limits: 75-125%</i>		<i>"</i>						<i>03/21/08 18:07</i>				
LCS Dup (8C21023-BSD1)													Extracted: 03/21/08 12:00			
Gasoline Range Hydrocarbons	NWTPH Modified	81.8	---	10.0	mg/m ³ Air	1x	--	100	81.8%	(50-150)	6.44%	(50)	03/21/08 17:37			
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 86.6%</i>		<i>Limits: 70-150%</i>		<i>"</i>						<i>03/21/08 17:37</i>				
LCS Dup (8C21023-BSD2)													Extracted: 03/21/08 12:00			
Benzene	NWTPH Modified	1.74	---	0.100	mg/m ³ Air	1x	--	2.00	87.2%	(50-150)	0.471%	(50)	03/21/08 18:37			
Toluene	"	1.68	---	0.100	"	"	--	"	84.0%	"	3.54%	"	"			
Ethylbenzene	"	1.71	---	0.100	"	"	--	"	85.4%	"	0.906%	"	"			
Xylenes (total)	"	5.20	---	0.200	"	"	--	6.00	86.7%	"	0.819%	"	"			
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery: 97.9%</i>		<i>Limits: 75-125%</i>		<i>"</i>						<i>03/21/08 18:37</i>				
Duplicate (8C21023-DUP1)													QC Source: BRC0292-04RE1		Extracted: 03/21/08 12:00	
Gasoline Range Hydrocarbons (v/v)	NWTPH Modified	ND	---	2.36	ppmv	1x	ND	--	--	--	22.4%	(30)	03/21/08 19:37			
Gasoline Range Hydrocarbons	"	ND	---	10.0	mg/m ³ Air	"	ND	--	--	--	22.4%	"	"			
Benzene (v/v)	"	ND	---	0.0308	ppmv	"	ND	--	--	--	NR	"	"			
Toluene (v/v)	"	ND	---	0.0261	"	"	ND	--	--	--	91.8%	"	"	R4		
Ethylbenzene (v/v)	"	ND	---	0.0227	"	"	ND	--	--	--	114%	"	"	R4		
Xylenes, total (v/v)	"	ND	---	0.0454	"	"	0.0496	--	--	--	106%	"	"	R4		
Benzene	"	ND	---	0.100	mg/m ³ Air	"	ND	--	--	--	NR	"	"			
Toluene	"	ND	---	0.100	"	"	ND	--	--	--	91.8%	"	"	R4		
Ethylbenzene	"	ND	---	0.100	"	"	ND	--	--	--	114%	"	"	R4		
Xylenes (total)	"	ND	---	0.200	"	"	0.219	--	--	--	106%	"	"	R4		
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 82.8%</i>		<i>Limits: 70-150%</i>		<i>"</i>						<i>03/21/08 19:37</i>				
<i>4-BFB (PID)</i>		<i>96.4%</i>		<i>75-125%</i>		<i>"</i>						<i>"</i>				

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Westlake & Mercer**

Project Number: OPLC.01396.41/255353

Project Manager: Jennifer Yotz

Report Created:

03/31/08 10:39

Notes and Definitions

Report Specific Notes:

R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

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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CHAIN OF CUSTODY REPORT

Work Order #: **BRC0325**

CLIENT: SECOR-STANTEC / CR		INVOICE TO: SAME		TURNAROUND REQUEST in Business Days * Organic & Inorganic Analyses <input checked="" type="checkbox"/> 10 <input type="checkbox"/> 7 <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 STD. Petroleum Hydrocarbon Analyses <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 STD. <input type="checkbox"/> OTHER Specify: * Turnaround Requests less than standard may incur Rush Charges.							
REPORT TO: JEN YOTZ		P.O. NUMBER:									
ADDRESS: 12034 134th Ct NE, Suite 102 Redmond, WA 98052											
PHONE: 425 522 1584 FAX: 425 322 1600											
PROJECT NAME: 5353 WESTLAKE EFR		PRESERVATIVE									
PROJECT NUMBER: 01CP.01396.41 / 255353		REQUESTED ANALYSES									
SAMPLED BY: Matt Tolley											
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	TH. CX	RCX					MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
1 EFR-1 AIR	3/20/08 10:30	X	X					A	1	5353	W2
2 EFR-2 AIR	10:32										
3 EFR-3 AIR	10:34										
4 MW-88 AIR	13:05										
5 MW-48 AIR	13:07										
6 MW-05 AIR	↓ 13:09	↓	↓								
7											
8											
9											
10											
RELEASED BY: Matt Tolley		FIRM: SECOR		DATE: 3/20		RECEIVED BY: Francisco Lung, Jr		FIRM: TAL-S		DATE: 3/20/08	
PRINT NAME:				TIME: 13:15		PRINT NAME:				TIME: 1315	
RELEASED BY:				DATE:		RECEIVED BY:				DATE:	
PRINT NAME:				TIME:		PRINT NAME:				TIME:	
ADDITIONAL REMARKS:								@Lab 1655 w/o		TEMP: 19.7°	

March 31, 2008

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

RE: 255353

Enclosed are the results of analyses for samples received by the laboratory on 03/20/08 16:55.
The following list is a summary of the Work Orders contained in this report, generated on 03/31/08
09:51.

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

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BRC0330	255353	None

TestAmerica Seattle



Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **255353**

Project Number: None

Project Manager: Jennifer Yotz

Report Created:

03/31/08 09:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFR-1 H2O	BRC0330-01	Water	03/20/08 10:50	03/20/08 16:55
EFR-2 H2O	BRC0330-02	Water	03/20/08 11:00	03/20/08 16:55
EFR-3 H2O	BRC0330-03	Water	03/20/08 11:15	03/20/08 16:55
MW-88 H2O	BRC0330-04	Water	03/20/08 12:40	03/20/08 16:55
MW-48 H2O	BRC0330-05	Water	03/20/08 12:55	03/20/08 16:55
MW-65 H2O	BRC0330-06	Water	03/20/08 12:30	03/20/08 16:55

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Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 255353	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: None	Report Created:
Redmond, WA/USA 98073	Project Manager: Jennifer Yotz	03/31/08 09:51

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
BRC0330-01 (EFR-1 H2O)		Water			Sampled: 03/20/08 10:50					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	----	50.0	ug/l	1x	8C21042	03/21/08 15:35	03/22/08 06:22	B
Benzene	"	ND	----	0.500	"	"	"	"	"	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	----	1.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			87.5%		58 - 144 %	"			"	
<i>4-BFB (PID)</i>			102%		68 - 140 %	"			"	
BRC0330-02 (EFR-2 H2O)		Water			Sampled: 03/20/08 11:00					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	----	50.0	ug/l	1x	8C21042	03/21/08 15:35	03/22/08 06:54	B
Benzene	"	ND	----	0.500	"	"	"	"	"	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	----	1.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			88.1%		58 - 144 %	"			"	
<i>4-BFB (PID)</i>			102%		68 - 140 %	"			"	
BRC0330-03 (EFR-3 H2O)		Water			Sampled: 03/20/08 11:15					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	----	50.0	ug/l	1x	8C21042	03/21/08 15:35	03/22/08 09:04	B
Benzene	"	ND	----	0.500	"	"	"	"	"	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	----	1.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			88.5%		58 - 144 %	"			"	
<i>4-BFB (PID)</i>			103%		68 - 140 %	"			"	
BRC0330-04 (MW-88 H2O)		Water			Sampled: 03/20/08 12:40					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	2910	----	50.0	ug/l	1x	8C21042	03/21/08 15:35	03/22/08 09:37	B1
Benzene	"	4.51	----	0.500	"	"	"	"	"	
Toluene	"	0.795	----	0.500	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			143%		58 - 144 %	"			"	
<i>4-BFB (PID)</i>			127%		68 - 140 %	"			"	

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Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 255353	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: None	Report Created:
Redmond, WA/USA 98073	Project Manager: Jennifer Yotz	03/31/08 09:51

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
BRC0330-04RE1 (MW-88 H2O)		Water			Sampled: 03/20/08 12:40					
Ethylbenzene	NWTPH-Gx/802 1B	130	----	2.50	ug/l	5x	8C24017	03/24/08 09:58	03/25/08 03:26	
Xylenes (total)	"	239	----	5.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (PID)</i>			106%		68 - 140 %	1x				"
BRC0330-05 (MW-48 H2O)		Water			Sampled: 03/20/08 12:55					
Benzene	NWTPH-Gx/802 1B	ND	----	0.500	ug/l	1x	8C21042	03/21/08 15:35	03/22/08 10:09	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	2.04	----	0.500	"	"	"	"	"	
Xylenes (total)	"	3.60	----	1.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (PID)</i>			102%		68 - 140 %	"				"
BRC0330-05RE1 (MW-48 H2O)		Water			Sampled: 03/20/08 12:55					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	125	----	50.0	ug/l	1x	8C24037	03/24/08 13:42	03/25/08 02:44	
<i>Surrogate(s): 4-BFB (FID)</i>			90.0%		58 - 144 %	"				"
BRC0330-06 (MW-65 H2O)		Water			Sampled: 03/20/08 12:30					
Benzene	NWTPH-Gx/802 1B	ND	----	0.500	ug/l	1x	8C21042	03/21/08 15:35	03/22/08 10:42	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	----	1.00	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (PID)</i>			101%		68 - 140 %	"				"
BRC0330-06RE1 (MW-65 H2O)		Water			Sampled: 03/20/08 12:30					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	----	50.0	ug/l	1x	8C24037	03/24/08 13:42	03/25/08 05:26	
<i>Surrogate(s): 4-BFB (FID)</i>			88.3%		58 - 144 %	"				"

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 255353	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: None	Report Created:
Redmond, WA/USA 98073	Project Manager: Jennifer Yotz	03/31/08 09:51

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

QC Batch: 8C21042 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 (8C21042-BLK1)

Extracted: 03/21/08 15:35

Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	73.2	---	50.0	ug/l	1x	--	--	--	--	--	--	03/21/08 18:58	B
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		Recovery: 88.1%		Limits: 58-144%	"								03/21/08 18:58	
4-BFB (PID)		102%		68-140%	"								"	

LCS (8C21042-BS1)

Extracted: 03/21/08 15:35

Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1020	---	50.0	ug/l	1x	--	1000	102%	(80-120)	--	--	03/21/08 19:31	
Surrogate(s): 4-BFB (FID)		Recovery: 93.2%		Limits: 58-144%	"								03/21/08 19:31	

LCS (8C21042-BS2)

Extracted: 03/21/08 15:35

Benzene	NWTPH-Gx/ 8021B	29.4	---	0.500	ug/l	1x	--	30.0	98.0%	(80-120)	--	--	03/21/08 20:03	
Toluene	"	30.7	---	0.500	"	"	--	"	102%	"	--	--	"	
Ethylbenzene	"	31.4	---	0.500	"	"	--	"	105%	"	--	--	"	
Xylenes (total)	"	92.1	---	1.00	"	"	--	90.0	102%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		Recovery: 101%		Limits: 68-140%	"								03/21/08 20:03	

Duplicate (8C21042-DUP1)

QC Source: BRC0265-03

Extracted: 03/21/08 15:35

Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1360	---	50.0	ug/l	1x	1410	--	--	--	3.76% (25)		03/21/08 21:09	
Benzene	"	9.30	---	0.500	"	"	9.56	--	--	--	2.72%	"	"	
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	21.4%	"	"	
Ethylbenzene	"	37.6	---	0.500	"	"	38.8	--	--	--	3.14%	"	"	
Xylenes (total)	"	68.5	---	1.00	"	"	70.6	--	--	--	3.02%	"	"	
Surrogate(s): 4-BFB (FID)		Recovery: 133%		Limits: 58-144%	"								03/21/08 21:09	
4-BFB (PID)		120%		68-140%	"								"	

Duplicate (8C21042-DUP2)

QC Source: BRC0265-04

Extracted: 03/21/08 15:35

Benzene	NWTPH-Gx/ 8021B	2.43	---	0.500	ug/l	1x	2.38	--	--	--	2.08% (25)		03/22/08 02:34	
Toluene	"	19.4	---	0.500	"	"	20.0	--	--	--	2.93%	"	"	
Ethylbenzene	"	12.8	---	0.500	"	"	13.2	--	--	--	3.43%	"	"	
Xylenes (total)	"	79.2	---	1.00	"	"	82.0	--	--	--	3.47%	"	"	
Surrogate(s): 4-BFB (PID)		Recovery: 107%		Limits: 68-140%	"								03/22/08 02:34	

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **255353**

Project Number: None

Project Manager: Jennifer Yotz

Report Created:

03/31/08 09:51

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

QC Batch: 8C21042 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 (8C21042-MS1)			QC Source: BRC0265-03			Extracted: 03/21/08 15:35								
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	2300	---	50.0	ug/l	1x	1410	1000	89.3%	(75-131)	--	--	03/21/08 22:14	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 139%</i>		<i>Limits: 58-144%</i>								<i>03/21/08 22:14</i>		
Matrix Spike (8C21042-MS2)			QC Source: BRC0265-03			Extracted: 03/21/08 15:35								
Benzene	NWTPH-Gx/ 8021B	40.4	---	0.500	ug/l	1x	9.56	30.0	103%	(46-130)	--	--	03/21/08 23:19	
Toluene	"	33.5	---	0.500	"	"	0.290	"	111%	(60-124)	--	--	"	
Ethylbenzene	"	68.4	---	0.500	"	"	38.8	"	98.5%	(56-141)	--	--	"	
Xylenes (total)	"	162	---	1.00	"	"	70.6	90.0	102%	(66-132)	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery: 118%</i>		<i>Limits: 68-140%</i>								<i>03/21/08 23:19</i>		
Matrix Spike Dup (8C21042-MSD1)			QC Source: BRC0265-03			Extracted: 03/21/08 15:35								
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	2220	---	50.0	ug/l	1x	1410	1000	81.3%	(75-131)	3.51%	(25)	03/21/08 22:46	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 136%</i>		<i>Limits: 58-144%</i>								<i>03/21/08 22:46</i>		
Matrix Spike Dup (8C21042-MSD2)			QC Source: BRC0265-03			Extracted: 03/21/08 15:35								
Benzene	NWTPH-Gx/ 8021B	40.2	---	0.500	ug/l	1x	9.56	30.0	102%	(46-130)	0.559%	(40)	03/21/08 23:51	
Toluene	"	33.2	---	0.500	"	"	0.290	"	110%	(60-124)	0.890%	"	"	
Ethylbenzene	"	68.7	---	0.500	"	"	38.8	"	99.5%	(56-141)	0.435%	"	"	
Xylenes (total)	"	160	---	1.00	"	"	70.6	90.0	99.3%	(66-132)	1.42%	"	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery: 120%</i>		<i>Limits: 68-140%</i>								<i>03/21/08 23:51</i>		

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 255353	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: None	Report Created:
Redmond, WA/USA 98073	Project Manager: Jennifer Yotz	03/31/08 09:51

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

QC Batch: 8C24017 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 (8C24017-BLK1)										Extracted: 03/24/08 09:58				
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	03/24/08 13:13	
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		Recovery: 92.0%	Limits: 58-144%		"		03/24/08 13:13							
4-BFB (PID)		102%	68-140%		"		"							

LCS (8C24017-BS1)										Extracted: 03/24/08 09:58				
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	922	---	50.0	ug/l	1x	--	1000	92.2%	(80-120)	--	--	03/24/08 13:46	
Surrogate(s): 4-BFB (FID)		Recovery: 103%	Limits: 58-144%		"		03/24/08 13:46							

LCS (8C24017-BS2)										Extracted: 03/24/08 09:58				
Benzene	NWTPH-Gx/8021B	29.0	---	0.500	ug/l	1x	--	30.0	96.8%	(80-120)	--	--	03/24/08 14:19	
Toluene	"	29.7	---	0.500	"	"	--	"	98.8%	"	--	--	"	
Ethylbenzene	"	29.4	---	0.500	"	"	--	"	98.1%	"	--	--	"	
Xylenes (total)	"	88.9	---	1.00	"	"	--	90.0	98.8%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		Recovery: 103%	Limits: 68-140%		"		03/24/08 14:19							

Duplicate (8C24017-DUP1)										QC Source: BRC0339-02			Extracted: 03/24/08 09:58	
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	ND	---	50.0	ug/l	1x	ND	--	--	--	3.23% (25)		03/24/08 15:25	
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: 93.9%	Limits: 58-144%		"		03/24/08 15:25							
4-BFB (PID)		102%	68-140%		"		"							

Duplicate (8C24017-DUP2)										QC Source: BRC0339-03			Extracted: 03/24/08 09:58	
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	168	---	50.0	ug/l	1x	182	--	--	--	8.22% (25)		03/24/08 16:31	
Benzene	"	ND	---	0.500	"	"	ND	--	--	--	8.70%	"	"	
Toluene	"	9.60	---	0.500	"	"	9.89	--	--	--	3.01%	"	"	
Ethylbenzene	"	0.650	---	0.500	"	"	0.698	--	--	--	7.12%	"	"	
Xylenes (total)	"	3.19	---	1.00	"	"	3.16	--	--	--	1.01%	"	"	
Surrogate(s): 4-BFB (FID)		Recovery: 97.3%	Limits: 58-144%		"		03/24/08 16:31							
4-BFB (PID)		101%	68-140%		"		"							

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 255353	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: None	Report Created:
Redmond, WA/USA 98073	Project Manager: Jennifer Yotz	03/31/08 09:51

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

QC Batch: 8C24017 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 (8C24017-MS1)			QC Source: BRC0339-02				Extracted: 03/24/08 09:58							
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	1070	---	50.0	ug/l	1x	35.0	1000	103%	(75-131)	--	--	03/24/08 17:36	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 104%</i>	<i>Limits: 58-144%</i>		<i>"</i>		<i>03/24/08 17:36</i>							
Matrix Spike (8C24017-MS2)			QC Source: BRC0339-03				Extracted: 03/24/08 09:58							
Benzene	NWTPH-Gx/8021B	31.3	---	0.500	ug/l	1x	0.0990	30.0	104%	(46-130)	--	--	03/24/08 18:10	
Toluene	"	43.9	---	0.500	"	"	9.89	"	113%	(60-124)	--	--	"	
Ethylbenzene	"	35.0	---	0.500	"	"	0.698	"	114%	(56-141)	--	--	"	
Xylenes (total)	"	106	---	1.00	"	"	3.16	90.0	114%	(66-132)	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery: 105%</i>	<i>Limits: 68-140%</i>		<i>"</i>		<i>03/24/08 18:10</i>							

QC Batch: 8C24037 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 (8C24037-BLK1)			QC Source: BRC0265-02RE1				Extracted: 03/24/08 13:42							
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	03/24/08 22:23	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 88.7%</i>	<i>Limits: 58-144%</i>		<i>"</i>		<i>03/24/08 22:23</i>							
<i>4-BFB (PID)</i>		<i>100%</i>	<i>68-140%</i>		<i>"</i>		<i>"</i>							
LCS (8C24037-BS1)			QC Source: BRC0265-02RE1				Extracted: 03/24/08 13:42							
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	955	---	50.0	ug/l	1x	--	1000	95.5%	(80-120)	--	--	03/24/08 22:56	
Ethylbenzene	"	15.5	---	0.500	"	"	--	17.1	90.5%	"	--	--	"	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 93.9%</i>	<i>Limits: 58-144%</i>		<i>"</i>		<i>03/24/08 22:56</i>							
<i>4-BFB (PID)</i>		<i>91.9%</i>	<i>68-140%</i>		<i>"</i>		<i>"</i>							
Duplicate (8C24037-DUP1)			QC Source: BRC0265-02RE1				Extracted: 03/24/08 13:42							
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	501	---	50.0	ug/l	1x	523	--	--	--	4.33% (25)	"	03/25/08 00:01	
Ethylbenzene	"	6.30	---	0.500	"	"	6.48	--	--	--	2.79%	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 90.2%</i>	<i>Limits: 58-144%</i>		<i>"</i>		<i>03/25/08 00:01</i>							
<i>4-BFB (PID)</i>		<i>101%</i>	<i>68-140%</i>		<i>"</i>		<i>"</i>							
Matrix Spike (8C24037-MS1)			QC Source: BRC0265-04RE1				Extracted: 03/24/08 13:42							
Gasoline Range Hydrocarbons	NWTPH-Gx/8021B	1340	---	50.0	ug/l	1x	890	1000	44.6%	(75-131)	--	--	03/25/08 03:16	M2
Ethylbenzene	"	25.5	---	0.500	"	"	18.6	17.1	40.4%	(56-141)	--	--	"	M2
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 95.4%</i>	<i>Limits: 58-144%</i>		<i>"</i>		<i>03/25/08 03:16</i>							

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 255353	
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: None	Report Created:
Redmond, WA/USA 98073	Project Manager: Jennifer Yotz	03/31/08 09:51

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

QC Batch: 8C24037 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 (8C24037-MS1) **QC Source: BRC0265-04RE1** **Extracted: 03/24/08 13:42**

Surrogate(s): 4-BFB (PID) Recovery: 92.5% Limits: 68-140% 1x 03/25/08 03:16

TestAmerica Seattle

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **255353**

Project Number: None

Project Manager: Jennifer Yotz

Report Created:

03/31/08 09:51

Notes and Definitions

Report Specific Notes:

- B - Analyte was detected in the associated Method Blank.
- B1 - Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
- M2 - The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

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.

CHAIN OF CUSTODY REPORT

Work Order #: **BRC0330**

CLIENT: Secur		INVOICE TO: SAULI		TURNAROUND REQUEST in Business Days * Organic & Inorganic Analyses <input checked="" type="checkbox"/> 7 <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 STD. Petroleum Hydrocarbon Analyses <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 STD. <input type="checkbox"/> OTHER Specify: * Turnaround Requests less than standard may incur Rush Charges.											
REPORT TO: JEN YUTZ		ADDRESS: 1209 13th Ct NE, REDMOND WA 98082													
ADDRESS: 6204 13th Ct NE, REDMOND, WA 98051		P.O. NUMBER:													
PHONE: 425 372 1000 FAX: 425 372 1050															
PROJECT NAME:		PRESERVATIVE													
PROJECT NUMBER:		REQUESTED ANALYSES													
SAMPLED BY:															
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME		TALC		BTEX		MATRIX (W, S, O)		# OF CONT.		LOCATION / COMMENTS		TA WO ID	
1 EFR-1 H ₂ O		3/20/08 10:50						W		7		5353		WA 01	
2 EFR-2 H ₂ O		11:00												02	
3 EFR-3 H ₂ O		11:15												03	
4 MW-88 H ₂ O		12:40												04	
5 MW-48 H ₂ O		12:55												05	
6 MW-65 H ₂ O		12:30												06	
7															
8															
9															
10															
RELEASED BY: Math Tollen		DATE: 3/20/08		RECEIVED BY: TIA		DATE: 3/16/08		PRINT NAME: Francisco Lung Jr		FIRM: TAL-S		DATE: 1315			
PRINT NAME:		FIRM: Secur		TIME: 13:13											
RELEASED BY:		DATE:		RECEIVED BY:		DATE:		PRINT NAME:		FIRM:		DATE:			
PRINT NAME:		FIRM:		TIME:											
ADDITIONAL REMARKS:															
												@Lab1655 w/o TEMP: 2.3 °C		PAGE OF	

April 02, 2008

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

RE: 5353 Westlake EFR

Enclosed are the results of analyses for samples received by the laboratory on 03/26/08 16:00.
The following list is a summary of the Work Orders contained in this report, generated on 04/02/08
15:47.

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

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BRC0389	5353 Westlake EFR	O1CP.01396.41/255353

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Westlake EFR**
Project Number: OICP.01396.41/255353
Project Manager: Jennifer Yotz

Report Created:
04/02/08 15:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Total Inf	BRC0389-01	Air	03/26/08 15:05	03/26/08 16:00
Mid	BRC0389-02	Air	03/26/08 15:07	03/26/08 16:00
Total Eff	BRC0389-03	Air	03/26/08 15:10	03/26/08 16:00

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Westlake EFR**

Project Number: O1CP.01396.41/255353

Project Manager: Jennifer Yotz

Report Created:

04/02/08 15:47

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
BRC0389-01 (Total Inf)		Air			Sampled: 03/26/08 15:05					
Gasoline Range Hydrocarbons	NWTPH Modified	17.6	----	10.0	mg/m ³ Air	1x	8C26017	03/26/08 18:00	03/26/08 20:44	
Gasoline Range Hydrocarbons (v/v)	"	4.14	----	2.36	ppmv	"	"	"	"	
Benzene (v/v)	"	ND	----	0.0308	"	"	"	"	"	
Toluene (v/v)	"	0.0309	----	0.0261	"	"	"	"	"	
Ethylbenzene (v/v)	"	ND	----	0.0227	"	"	"	"	"	
Xylenes, total (v/v)	"	ND	----	0.0454	"	"	"	"	"	
Benzene	"	ND	----	0.100	mg/m ³ Air	"	"	"	"	
Toluene	"	0.118	----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.200	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			82.2%		70 - 150 %	"				"
<i>4-BFB (PID)</i>			93.8%		75 - 125 %	"				"
BRC0389-02 (Mid)		Air			Sampled: 03/26/08 15:07					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8C26017	03/26/08 18:00	03/26/08 21:14	
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/m ³ Air	"	"	"	"	
Toluene	"	ND	----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.200	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			81.8%		70 - 150 %	"				"
<i>4-BFB (PID)</i>			95.8%		75 - 125 %	"				"
BRC0389-03 (Total Eff)		Air			Sampled: 03/26/08 15:10					
Gasoline Range Hydrocarbons	NWTPH Modified	ND	----	10.0	mg/m ³ Air	1x	8C26017	03/26/08 18:00	03/26/08 21:44	
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/m ³ Air	"	"	"	"	
Toluene	"	ND	----	0.100	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.100	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.200	"	"	"	"	"	

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Westlake EFR	Report Created:
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: O1CP.01396.41/255353	04/02/08 15:47
Redmond, WA/USA 98073	Project Manager: Jennifer Yotz	

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
BRC0389-03	(Total Eff)									
		Air			Sampled: 03/26/08 15:10					
Surrogate(s):	4-BFB (FID)	83.5%			70 - 150 %	1x			03/26/08 21:44	
	4-BFB (PID)	96.6%			75 - 125 %	"			"	

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Westlake EFR	Report Created:
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: OICP.01396.41/255353	04/02/08 15:47
Redmond, WA/USA 98073	Project Manager: Jennifer Yotz	

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

QC Batch: 8C26017 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 (8C26017-BLK1)										Extracted: 03/26/08 09:36				
Gasoline Range Hydrocarbons	NWTPH Modified	ND	---	10.0	mg/m ³ Air	1x	--	--	--	--	--	--	03/26/08 10:10	
Gasoline Range Hydrocarbons (w/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/m ³ Air	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>89.0%</i>	<i>Limits: 70-150%</i>		<i>"</i>						<i>03/26/08 10:10</i>		
<i>4-BFB (PID)</i>		<i>Recovery:</i>	<i>94.3%</i>	<i>Limits: 75-125%</i>		<i>"</i>						<i>"</i>		

LCS (8C26017-BS1)										Extracted: 03/26/08 09:36				
Gasoline Range Hydrocarbons	NWTPH Modified	78.1	---	10.0	mg/m ³ Air	1x	--	100	78.1%	(50-150)	--	--	03/26/08 12:18	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>75.1%</i>	<i>Limits: 70-150%</i>		<i>"</i>						<i>03/26/08 12:18</i>		

LCS (8C26017-BS2)										Extracted: 03/26/08 09:36				
Benzene	NWTPH Modified	1.17	---	0.100	mg/m ³ Air	1x	--	2.00	58.6%	(50-150)	--	--	03/26/08 13:18	
Toluene	"	1.25	---	0.100	"	"	--	"	62.3%	"	--	--	"	
Ethylbenzene	"	1.24	---	0.100	"	"	--	"	61.8%	"	--	--	"	
Xylenes (total)	"	3.87	---	0.200	"	"	--	6.00	64.6%	"	--	--	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery:</i>	<i>95.9%</i>	<i>Limits: 75-125%</i>		<i>"</i>						<i>03/26/08 13:18</i>		

LCS Dup (8C26017-BSD1)										Extracted: 03/26/08 09:36				
Gasoline Range Hydrocarbons	NWTPH Modified	74.2	---	10.0	mg/m ³ Air	1x	--	100	74.2%	(50-150)	5.12%	(50)	03/26/08 12:48	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>88.4%</i>	<i>Limits: 70-150%</i>		<i>"</i>						<i>03/26/08 12:48</i>		

LCS Dup (8C26017-BSD2)										Extracted: 03/26/08 09:36				
Benzene	NWTPH Modified	1.04	---	0.100	mg/m ³ Air	1x	--	2.00	52.0%	(50-150)	11.9%	(50)	03/26/08 13:48	
Toluene	"	1.06	---	0.100	"	"	--	"	53.0%	"	16.1%	"	"	
Ethylbenzene	"	1.10	---	0.100	"	"	--	"	54.9%	"	11.8%	"	"	
Xylenes (total)	"	3.36	---	0.200	"	"	--	6.00	56.0%	"	14.3%	"	"	
<i>Surrogate(s): 4-BFB (PID)</i>		<i>Recovery:</i>	<i>97.0%</i>	<i>Limits: 75-125%</i>		<i>"</i>						<i>03/26/08 13:48</i>		

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond	Project Name: 5353 Westlake EFR	Report Created:
PO Box 230, 12034 - 134th Ct NE Ste 102	Project Number: OICP.01396.41/255353	04/02/08 15:47
Redmond, WA/USA 98073	Project Manager: Jennifer Yotz	

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

QC Batch: 8C26017 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 (8C26017-DUP1)			QC Source: BRC0384-01				Extracted: 03/26/08 09:36							
Gasoline Range Hydrocarbons	NWTPH Modified	ND	---	10.0	mg/m ³ Air	1x	ND	--	--	--	8.35% (30)		03/26/08 15:14	
Gasoline Range Hydrocarbons (v/v)	"	ND	---	2.36	ppmv	"	ND	--	--	--	8.35%	"	"	
Benzene (v/v)	"	ND	---	0.0308	"	"	ND	--	--	--	NR	"	"	
Toluene (v/v)	"	ND	---	0.0261	"	"	ND	--	--	--	55.0%	"	"	R4
Ethylbenzene (v/v)	"	ND	---	0.0227	"	"	ND	--	--	--	55.1%	"	"	R4
Xylenes, total (v/v)	"	ND	---	0.0454	"	"	ND	--	--	--	41.0%	"	"	R4
Benzene	"	ND	---	0.100	mg/m ³ Air	"	ND	--	--	--	NR	"	"	
Toluene	"	ND	---	0.100	"	"	ND	--	--	--	55.0%	"	"	R4
Ethylbenzene	"	ND	---	0.100	"	"	ND	--	--	--	55.1%	"	"	R4
Xylenes (total)	"	ND	---	0.200	"	"	ND	--	--	--	41.0%	"	"	R4
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery:</i>	<i>84.4%</i>	<i>Limits: 70-150%</i>		<i>"</i>							<i>03/26/08 15:14</i>	
<i>4-BFB (PID)</i>			<i>95.8%</i>	<i>75-125%</i>		<i>"</i>							<i>"</i>	

TestAmerica Seattle



Curtis D. Armstrong For Sandra Yakamavich, Project Manager

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Secor-Redmond

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

Project Name: **5353 Westlake EFR**

Project Number: OICP.01396.41/255353

Project Manager: Jennifer Yotz

Report Created:

04/02/08 15:47

Notes and Definitions

Report Specific Notes:

R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

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

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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425-420-9200 FAX 420-9210
 509-924-9200 FAX 924-9290
 503-906-9200 FAX 906-9210
 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: **BRC0389**

CLIENT: Secor		INVOICE TO:		TURNAROUND REQUEST in Business Days *									
REPORT TO: ADDRESS: 12034 134th Ct NE Redmond, WA 98052		P.O. NUMBER:						Organic & Inorganic Analyses <input type="checkbox"/> 10 <input type="checkbox"/> 7 <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 STD.					
PHONE: 425-372-1600 FAX: 2-1650				Petroleum Hydrocarbon Analyses <input checked="" type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 STD.									
PROJECT NAME: 5353		PRESERVATIVE		OTHER Specify: * Turnaround Requests less than standard may incur Rush Charges.									
PROJECT NUMBER: 5353		REQUESTED ANALYSES											
SAMPLED BY: MATT DAVIS													
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	T-Pkg	GTax					MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID		
1 TOTAL INF	3/26/08 1505							Air	1		01		
2 MID	↓ 1507							↓	↓		02		
3 TOTAL EFF	↓ 1510							↓	↓		03		
4													
5													
6													
7													
8													
9													
10													
RELEASED BY: Matt Davis		FIRM: Secor		DATE: 3/26/08		TIME: 1600		RECEIVED BY: Bruce		FIRM: TA-SEA		DATE: 3/26/08	
PRINT NAME:								PRINT NAME:				TIME: 1600	
RELEASED BY:				DATE:				RECEIVED BY:				DATE:	
PRINT NAME:				DATE:				PRINT NAME:				TIME:	
ADDITIONAL REMARKS:										TEMP: 18.2		PAGE 2 OF 4	