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The Trusted Integrator for Sustainable Solutions

302935

REMOVAL SUPPORT TEAM 2
EPA CONTRACT EP-W-06-072

March 26, 2013

Mr. Jeff Bechtel, On-Scene Coordinator
U.S. Environmental Protection Agency, Region II
Response and Prevention Branch
2890 Woodbridge Avenue
Edison, New Jersey 08837

EPA CONTRACT No.: EP-W-06-072
TDD No.: TO-0027-0089
DC No.: RST2-02-F-2277
SUBJECT: EMERGENCY RESPONSE TRIP REPORT - HILLCREST INDUSTRIES, 40 FAVOR STREET, ATTICA, WYOMING COUNTY, NEW YORK

Dear Mr. Bechtel,

Enclosed please find the Emergency Response Trip Report for the response activities conducted at the Hillcrest Industries Site located at 40 Favor Street in Attica, Wyoming County, New York from September 12 through October 22, 2012. If you have any questions or comments, please contact me at (732) 585-4421.

Sincerely,

WESTON Solutions, Inc.

Joel Petty

Joel Petty
RST 2 Site Project Manager/
Group Leader

Enclosure
cc: TDD File No.: TO-0027-0089

REGION II RST2
DELIVERABLE SIGN-OFF SHEET

TDD No.: TO-0027-0089
TASK No.: 6093
TASK/SITE: EMERGENCY RESPONSE TRIP REPORT / HILLCREST INDUSTRIES, VILLAGE OF ATTICA, WYOMING COUNTY, NEW YORK

DCN#: RST2-02-F-2277

1 Principal Author(s)

Joel Petty — Date: 3/26/13

2 Technical Editor

Timothy Benton — Date: 3/26/13

3 Readiness Coordinator / Peer Review

Timothy Benton — Date: 3/26/13

4 Approval (Program Manager / Operations Manager)

Name(s) — Date: 3/26/13

EMERGENCY RESPONSE TRIP REPORT

SITE NAME:	Hillcrest Industries
DC NO.:	RST 2-02-F-2277
TDD NO.:	TO-0027-0089
DATES:	September 12 through 14, 25 through 26, and 29 through October 22, 2012
SITE LOCATION:	40 Favor Street, Attica, Wyoming County, New York Refer to Attachment A, Figure 1, Site Location Map

1.0 Site Background and Description

The Hillcrest Industries Site (the Site), which is located at 40 Favor Street in Attica, Wyoming County, New York, encompasses approximately 10 acres and has been in operation since 2000. The facility collects boiler slag material (hardened residue collected from off-site coal boilers) and processes it into sandblasting abrasive materials. The facility also processes glass fragments (cutlets) into reflective road striping beads. The facility receives mixed recycled glass, plastic, and paper waste and separates the glass portion for further grinding into abrasives and reflective additives for road marking paint. Glass is separated mechanically from plastic, metal, and paper waste for further grinding into a fine particulate. Residual plastic and metal waste is reportedly then sold to scrap dealers for additional reclamation of the metal content.

The facility is located in a mixed residential and commercial area, with residential neighborhoods directly to the northwest, north, northeast, and east of the facility. There is an elementary school located approximately 2,100 feet northeast of the facility and a high school located approximately 2,500 feet east of the facility.

Reportedly since May 2012, a fire had been smoldering in a pile of glass, plastic, and miscellaneous debris at the Site. In July 2012, the New York State Department of Environmental Conservation (NYSDEC) collected five dust samples from four residential properties and 11 samples from the Site at specific release points and from raw material and finished product. The samples were analyzed by NYSDEC's Microscopy Laboratory to determine the size of the particles to evaluate whether the dust could be from Site operations. The particles found in the residential samples were reportedly attributable to facility releases and appear to be from crushed clear glass that feeds manufacturing operations. Reportedly, in addition to the glass spheres and fractured glass, some slag product was identified.

On August 8, 2012, NYSDEC collected four one-hour ambient air samples using Summa Canisters. Three samples were collected in the odor plume in the residential neighborhood downwind from the Site, one of which was at the facility property line. A fourth sample was collected at the Attica High School, located approximately 2,500 feet east of the facility.

NYSDEC's air sampling results indicated very low concentrations of volatile organic compounds (VOCs). Local citizens also collected a Summa Canister sample and the resulting analytical data indicated VOCs slightly elevated above the NYSDEC data.

2.0 Emergency Response Summary

In the late afternoon of September 11, 2012, the U.S. Environmental Protection Agency (EPA) received a request from NYSDEC to investigate the fire that had been smoldering at the Site, reportedly since May 2012. EPA mobilized to the Site on September 12, 2012. The potentially responsible party (PRP) had reportedly been attempting to extinguish the fire by injecting carbon dioxide gas into the pile and by covering portions of the pile with a concrete-type material, Posi-Shell. The burning pile had been the source of ongoing off-site impacts up to three miles from the facility and the odor of burning plastic was evident in the vicinity of the facility. Temperatures from 500 to 700 degrees Fahrenheit (°F) were recorded in the center of the pile and smoke was emanating from the pile at various locations.

As part of the EPA emergency response, Weston Solutions, Inc., Removal Support Team 2 (RST 2), under the direction of the EPA On-Scene Coordinator (OSC), conducted 24 hour ambient air sampling and monitoring on and around the Site on September 13 and 14, 2012. In order to assess for potential off site migration of VOCs and dust particulates from the Site to downwind off site areas (*i.e.* surrounding residential community, local businesses, and schools) air stations were established in the general downwind direction (northeast of the site). The air stations and sample locations were selected by the EPA OSC and RST 2 in accordance with officials from NYSDEC and representatives from Wyoming County and the Town of Attica, New York (Refer to Attachment A, Figure 2: Air Sampling and Monitoring Map and Attachment C, Table 2: Air Sampling and Monitoring Locations). Results from this sampling indicated elevated concentrations of VOCs coming from the smoldering pile (Refer to Attachment C, Table 5: Validated Analytical Data Summary – VOCs: September 13 to 14, 2012).

On September 21, 2012, EPA mobilized to the Site to oversee the PRP and their ongoing carbon dioxide injection operations. On September 25, 2012, water and firefighting material applications began, in which RST 2 provided air sampling and air monitoring nearby the pile. On September 26, 2012, EPA determined that the injections and firefighting material applications were not successful, and therefore the pile would need to be dismantled. The PRP hired Wargo Enterprises as their firefighting contractor and a work plan was drafted to address the issues revolving around the selected operation. Dismantling of the waste pile commenced on September 29, 2012 and was completed on October 15, 2012. As the waste pile was dismantled, it was cooled and spread out over the Site. More than 60,000 cubic yards (yd^3) of material was moved and cooled.

From September 29 through October 16, 2012, RST 2 conducted 24 hour ambient air sampling for VOCs and monitoring for VOCs and particulates in the community surrounding the Site

during waste pile dismantling activities. From September 29 through October 16, 2012, Lockheed Martin Technology Services', EPA's Scientific, Engineering, Response & Analytical Services (SERAS) contractor, at the request of EPA's Environmental Response Team (ERT), conducted 24 hour ambient air sampling for polynuclear aromatic hydrocarbons (PAHs) (Refer to Attachment F, Lockheed Martin/SERAS' Hillcrest Recycling Site Emergency Response Work Assignment 193-Trip Report).

From October 16 through 22, 2012, RST 2 conducted air monitoring in the community surrounding the Site after fire suppression was completed but removal activities were ongoing. Personnel demobilized from the Site on October 22, 2012.

For weather information throughout the emergency response, refer to Attachment C, Table 1: Daily Weather Summary.

3.0 Air Sampling Summary

From September 13 through October 16, 2012, RST 2 collected a total of 180 air samples, including nine field duplicate samples and seven trip blank samples, for target compound list (TCL) VOC analysis using EPA Method TO-15 in accordance with the Site-Specific Quality Assurance Project Plan (QAPP) and EPA/ERT Standard Operating Procedures (SOPs) 1704: Summa Canister Sampling, 2001: General Field Sampling, and 2008: General Air Sampling Guidelines (Refer to Attachment C, Table 3: Air Sample Collection Information). Air samples were collected using pre-cleaned stainless steel Summa canisters, fitted with 24-hour passive flow controllers calibrated by the laboratory. The Summa canisters were purged, cleaned, and prepared for sampling by the laboratory in accordance with EPA Method TO-15.

All sample information was transcribed into EPA's Scribe sample management database, and sample labels and chain of custody documents were prepared from the Scribe software. A total of 130 air samples were shipped to Accutest Laboratories located in Dayton, New Jersey and 50 air samples were shipped to Atmosphere Analysis and Consulting, Inc., all of which were analyzed for TCL VOCs, using EPA Method TO-15 (Refer to Attachments C, Table 4: Sample Dispatch Information).

4.0 Analytical Results

Based upon the analytical results, the following 39 TCL VOCs were detected in air samples collected from the Site and surrounding area (maximum concentration and sample location in parentheses): acetone [141 micrograms per cubic meter ($\mu g/m^3$) in P0001-AA001-091312-001]; benzene (687 $\mu g/m^3$ in P0001-AA001-091312-001); carbon disulfide (3.2 J $\mu g/m^3$ in P0007-AA001-100712-001); chlorobenzene (23 $\mu g/m^3$ in P0001-AA001-091312-001); chloroethane (14 $\mu g/m^3$ in P0001-AA001-091312-001); chloroform (0.68 J $\mu g/m^3$ in P0009-AA001-091312-001); chloromethane (57.6 $\mu g/m^3$ in P0001-AA001-091312-001); cyclohexane (0.41 J $\mu g/m^3$ in P008-

AA001-092912-001); dichlorodifluoromethane (3.0 μg/m^3 in P0008-AA001-091312-001 and P0009-AA001-091312-001); cis-1,2-dichloroethylene (0.40 J μg/m^3 in P0010-AA002-101512-001); o-dichlorobenzene (4.7 J μg/m^3 in P0001-AA001-091312-001); ethanol (46.2 μg/m^3 in P0003-AA001-100312-001); ethylbenzene (1,460 μg/m^3 in P0001-AA001-091312-001); ethyl acetate (224 μg/m^3 in P0011-AA001-101412-001); 4-ethyltoluene (8.8 μg/m^3 in P0001-AA001-091312-001); freon 113 (2.1 μg/m^3 in P0010-AA001-091312-001); heptane (38 μg/m^3 in P0001-AA001-091312-001); hexane (36.3 μg/m^3 in P0001-AA001-091312-001); isopropyl alcohol (12.2 μg/m^3 in P0011-AA001-100612-001); 2-hexanone (1.3 μg/m^3 in P0010-AA001-093012-001); methanol (43.2 μg/m^3 in P0011-AA001-100612-001); methylene chloride (14 μg/m^3 in P0002-AA001-093012-001); methyl ethyl ketone (51.3 μg/m^3 in P0010-AA001-093012-001); methyl isobutyl ketone (12 μg/m^3 in P0001-AA001-091312-001); methyl tert butyl ether (3.2 μg/m^3 in P0007-AA001-100412-001); propylene (800 μg/m^3 in P0001-AA001-091312-001); styrene (2,210 μg/m^3 in P0001-AA001-091312-001); 1,2,4-trimethylbenzene (35 μg/m^3 in P0001-AA001-091312-001); 1,3,5-trimethylbenzene (167 μg/m^3 in P0001-AA001-091312-001); 2,2,4-trimethylpentane (1.6 μg/m^3 in P0004-AA001-101412-001); tertiary butyl alcohol (3.3 μg/m^3 in P0008-AA001-100212-001); tetrachloroethylene (4.2 μg/m^3 in P0006-AA001-101212-001 and P0010-AA002-101512-001); tetrahydrofuran (54.6 μg/m^3 in P0010-AA002-101512-001); toluene (803 μg/m^3 in P0001-AA001-091312-001); trichloroethylene (0.24 μg/m^3 in P0007-AA001-101112-001); trichlorofluromethane (5.6 μg/m^3 in P0008-AA001-101112-001); m,p-xylene (106 μg/m^3 in P0001-AA001-091312-001); o-xylene (50.8 μg/m^3 in P0001-AA001-091312-001); and total xylenes (157 μg/m^3 in P0001-AA001-091312-001) (Refer to Attachment C, Tables 5 through 23: Validated Analytical Data Summary – VOCs).

5.0 Air Monitoring Summary

From September 13 through October 22, 2012, RST 2 conducted air monitoring in order to assess potential off site migration of VOCs and dust particulates. Monitoring was conducted as a 24 hour operation at off and on site locations during site activities, and only ceased during precipitation events.

During operations, four DustTrak™ 8520 and 8530 units were deployed to measure particulates. Stations were routinely checked and were predominately below the Action Level of 0.150 milligrams per cubic meter (mg/m^3). All observed readings were below 0.150 mg/m^3, unless stated below (Refer to Attachment B, Figures 3 through 25, Particulate Air Monitoring Graphs).

During operations, three to four AreaRAE® units were deployed daily to measure VOCs. The results were uploaded through the Viper System. The data was continually logged and was periodically downloaded. All observed VOC readings were between 0 and 1 parts per million (ppm), except for units drifting upward, unless otherwise stated below [Refer to Attachment G, AreaRAE® Raw Data (Compact Disc)].

- On September 13, 2012, particulates became elevated around 1900 hours and stayed elevated through the night at location P0003-AA001 (welding shop) with a spike of 0.309 mg/m^3 at 1908 hours.

- On September 25, 2012, spikes in particulates were observed to the north of the pile on the facility at 1409 hours (high of 0.329 mg/m^3) and 1432 hours (high of 0.306 mg/m^3). A spike in particulates was observed to the east of the pile at 1450 hours (high of 0.156 mg/m^3).

- On October 6, 2012, DustTrak™ and AreaRAE® units were shut off between 0000 and 0100 hours due to expected heavy rains. The units were turned back on after 1200 hours.

- On October 7, 2012, DustTrak™ and AreaRAE® units were shut off around 1800 hours due to strong chance of precipitation throughout the night. All units operating again between 1000 hours and 1130 hours on October 8, 2012. A spike in particulates (high of 1.396 mg/m^3) was observed while RST 2 was deploying them around 1115 hours at location P0003-AA001 (welding shop) and EPA was informed. Another spike in particulates (high of 0.4 mg/m^3) was observed at 1305 hours at location P0003-AA001 (welding shop). Spikes in particulates were also observed at location P0010-AA001 (middle/high school) at 1638 hours.

- On October 9, 2012, spikes in particulates were observed at location P0010-AA001 (middle/high school) from 0925 hours until 0950 hours (high of 0.179 mg/m^3) at which point the unit shut down. At 1041 hours, the unit was back on and particulates had fallen below the Action Level by 1046 hours.

- On October 10, 2012, a spike in particulates (high of 3.256 mg/m^3) was observed at 0952 hours at location P0003-AA001 (welding shop). At 1002 hours, particulates had fallen below the Action Level. A spike in particulates (high of 0.572 mg/m^3) was observed at 1706 hours at location P0010-AA001 (middle/high school). The DustTrak™ and AreaRAE® units were shut down between 1200 hours and 1600 hours due to expected precipitation.

- On October 11, 2012, spikes in particulates were observed at location P0010-AA001 (middle/high school) from 0845 hours through 1000 hours (high of 0.972 mg/m^3). The school was having a fire drill when a cloud of smoke coming from the facility came through, according to witnesses. The EPA OSC met with the school after this occurance. A spike in particulates (high of 0.229 milligrams mg/m^3) was also observed at 1601 hours at location P0003-AA001 (welding shop). Another spike in particulates (high of 0.546 mg/m^3) occurred between 1829 hours and 1838 hours at location P0003-AA001. All observed VOC readings were at or below 1 ppm except for a spike in VOCs at the northeast side of the facility at 1030 hours (9.5 ppm).

- On October 12, 2012, all observed VOC readings were at or below 1 ppm except for a spike in VOCs at the northeast side of the facility at 0726 hours (1.8 ppm). Beginning on October 12, 2013, only one DustTrak™ unit and one AreaRAE® unit were deployed between 0000 hours and 0700 hours. These units were always deployed at location P0003-AA001 (welding shop).

- On October 13, 2012, a spike in particulates was observed at 0918 hours (high of 0.521 (mg/m^3), 0944 hours (high of 1.337 mg/m^3), and 1003 hours (high of 0.224 mg/m^3) at location P0003-AA001 (welding shop).

- On October 14, 2012, the DustTrak™ and AreaRAE® units were not deployed until 1130 hours due to rain in the morning.

- Beginning on October 16, 2012, DustTrak™ and AreaRAE® units were only deployed between 0700 hours and 1800 hours.

6.0 EPA/RST 2 On-Site Personnel

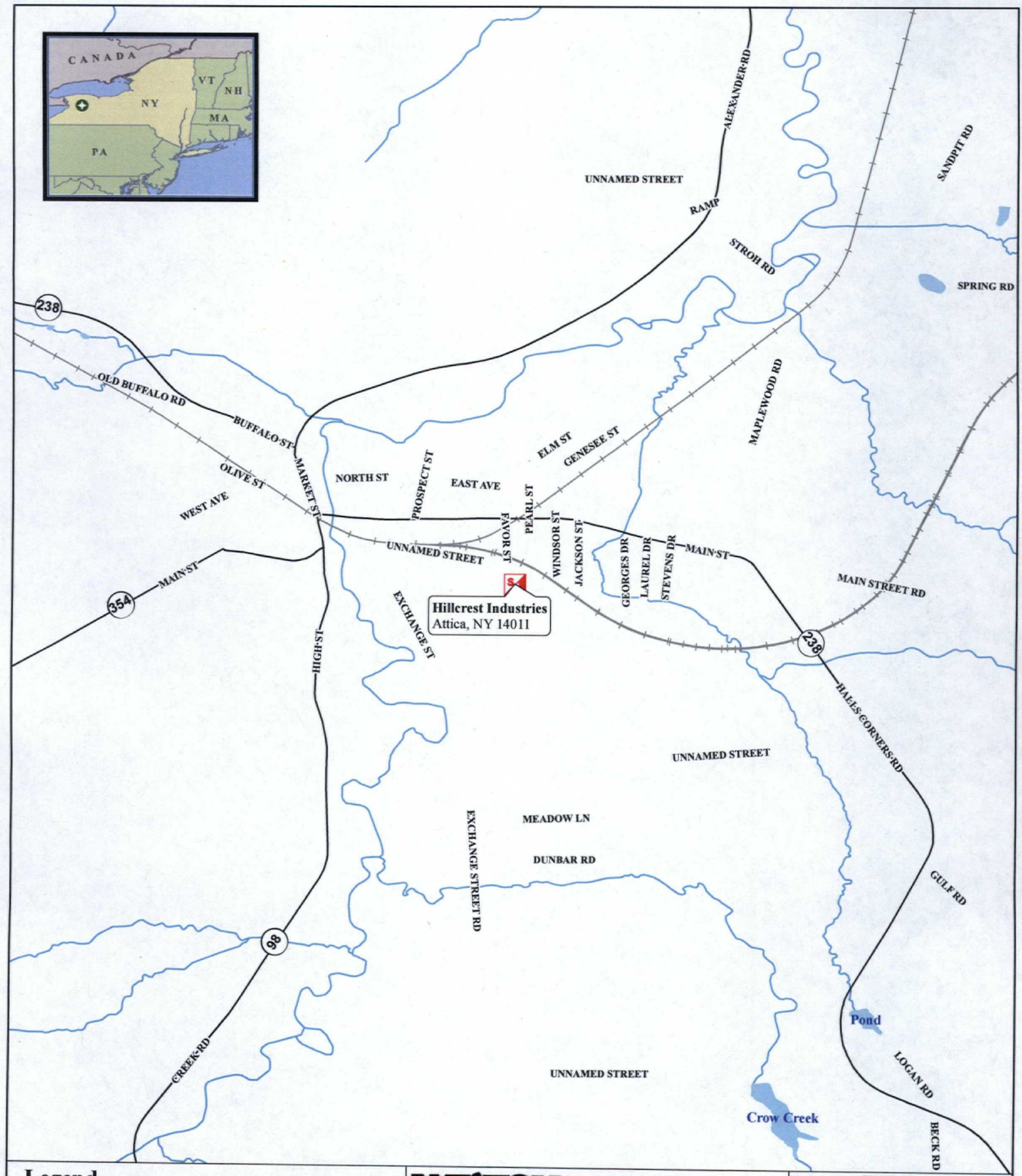
Name	Representing	Duties
Jeff Bechtel	EPA, Region II	On-Scene Coordinator
Dwayne Harrington	EPA, Region II	On-Scene Coordinator
Joel Petty	RST 2, Region II	Site Project Manager, Sample Collection, Sample Management, Air Monitoring, and Site Health and Safety
Brittney Kelly	RST 2, Region II	Acting Site Project Manager, Sample Collection, Sample Management, Air Monitoring, and Site Health and Safety
Mark Conover	RST 2, Region 2	Sample Collection, Sample Management, and Air Monitoring
Aleksandra Mallon	RST 2, Region II	Sample Collection and Air Monitoring
Lionel Montanez	RST 2, Region II	Sample Collection and Air Monitoring

7.0 Report prepared by: Joel Petty 3/26/13
Joel Petty
RST 2 Group Leader /
Site Project Manager
Date

Report reviewed by: 3/26/13
Timothy Benton
RST 2 Readiness Coordinator
Date

Attachment A – Figures

Figure 1: Site Location Map
Figure 2: Air Sampling and Monitoring Map



Legend

Site Location

0 0.125 0.25 0.5 0.75 1 Miles

N

Weston Solutions, Inc.
Northeast Division

In Association With
H & S Environmental, Inc.,
Scientific and Environmental Associates, Inc.
and Avatar Environmental, LLC.

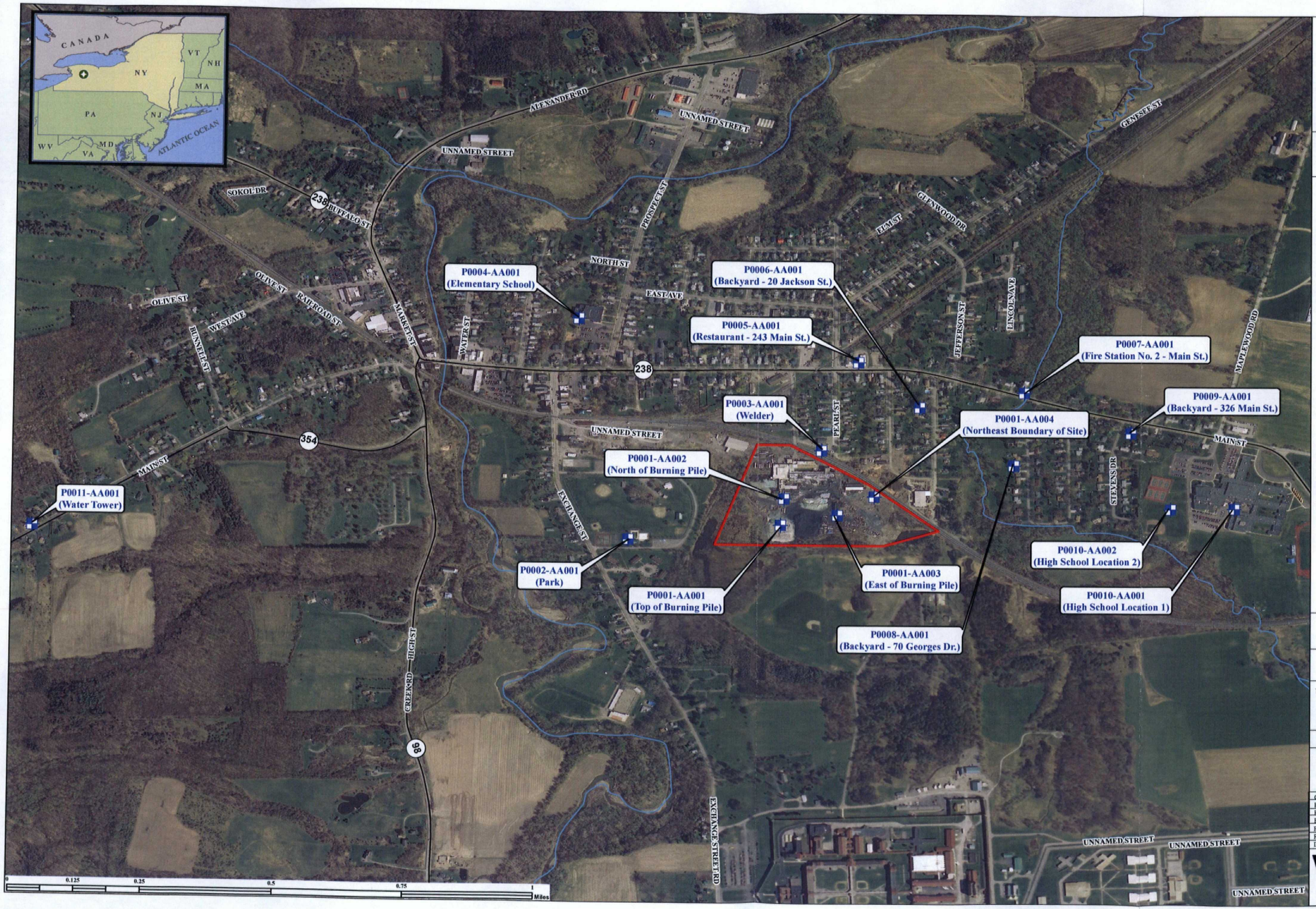
Figure 1:
Site Location Map

HILLCREST INDUSTRIES SITE
ATTICA, NEW YORK

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

GIS ANALYST:	T. BENTON
EPA OSC:	D. HARRINGTON
RST SPM:	J. PETTY
FILENAME:	SITEMAP.MXD

DATE MODIFIED: 09/17/2012



N
W
E
S

SCALE
1:11,000

LEGEND

Air Monitoring Station
Hillcrest Industries Facility

Figure 2: Air Sampling and Monitoring Map

Hillcrest Industries Site
Attica, New York

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

Weston Solutions, Inc.

In Association With
H & S Environmental, Inc.,
Innovative Technical Solutions, Inc. &
Avatar Environmental, LLC

GIS ANALYST:	T. BENTON
EPA OSC:	J. BECHTEL
RST 2 SPM:	J. PETTY
FILENAME:	LOCATION MAP.MXD
FIGURE	2
REVISION	0
DATE MODIFIED	03/13/2013

WESTON SOLUTIONS

Attachment B – Graphs

Figure 3: Particulate Air Monitoring Graph – September 13 and 14, 2012
Figure 4: Particulate Air Monitoring Graph – September 25, 2012
Figure 5: Particulate Air Monitoring Graph – September 29, 2012
Figure 6: Particulate Air Monitoring Graph – September 30, 2012
Figure 7: Particulate Air Monitoring Graph – October 1, 2012
Figure 8: Particulate Air Monitoring Graph – October 2, 2012
Figure 9: Particulate Air Monitoring Graph – October 3, 2012
Figure 10: Particulate Air Monitoring Graph – October 4, 2012
Figure 11: Particulate Air Monitoring Graph – October 5, 2012
Figure 12: Particulate Air Monitoring Graph – October 6, 2012
Figure 13: Particulate Air Monitoring Graph – October 7, 2012
Figure 14: Particulate Air Monitoring Graph – October 8, 2012
Figure 15: Particulate Air Monitoring Graph – October 9, 2012
Figure 16: Particulate Air Monitoring Graph – October 10, 2012
Figure 17: Particulate Air Monitoring Graph – October 11, 2012
Figure 18: Particulate Air Monitoring Graph – October 12, 2012
Figure 19: Particulate Air Monitoring Graph – October 13, 2012
Figure 20: Particulate Air Monitoring Graph – October 14, 2012
Figure 21: Particulate Air Monitoring Graph – October 15, 2012
Figure 22: Particulate Air Monitoring Graph – October 16, 2012
Figure 23: Particulate Air Monitoring Graph – October 17, 2012
Figure 24: Particulate Air Monitoring Graph – October 18, 2012
Figure 25: Particulate Air Monitoring Graph – October 22, 2012

Figure 3: Particulate Air Monitoring Graph - September 13 and 14, 2012

Hillcrest Industries Site

Attica, New York

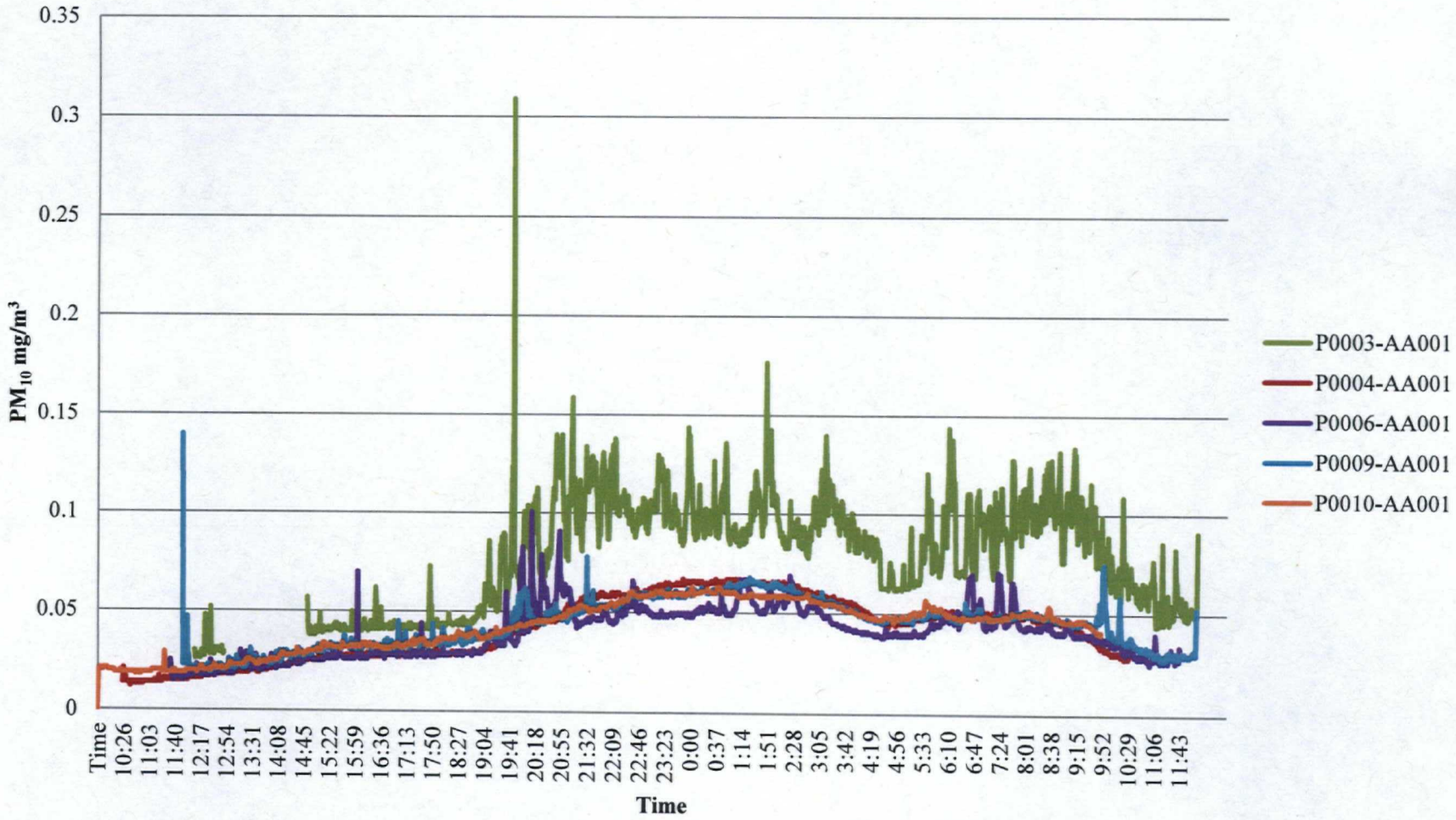


Figure 4: Particulate Air Monitoring Graph - September 25, 2012
Hillcrest Industries Site
Attica, New York

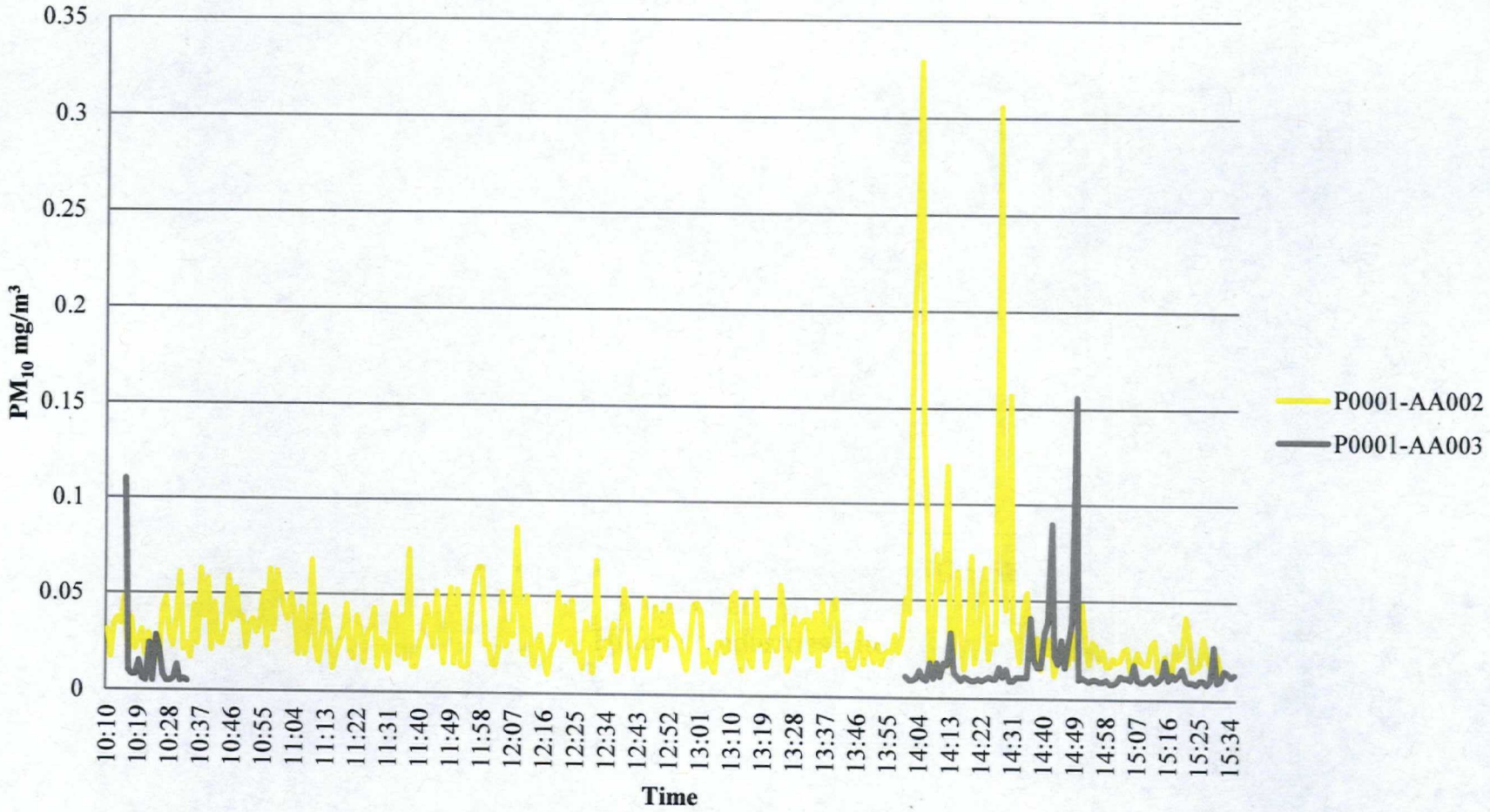


Figure 5: Particulate Air Monitoring Graph - September 29, 2012

Hillcrest Industries Site

Attica, New York

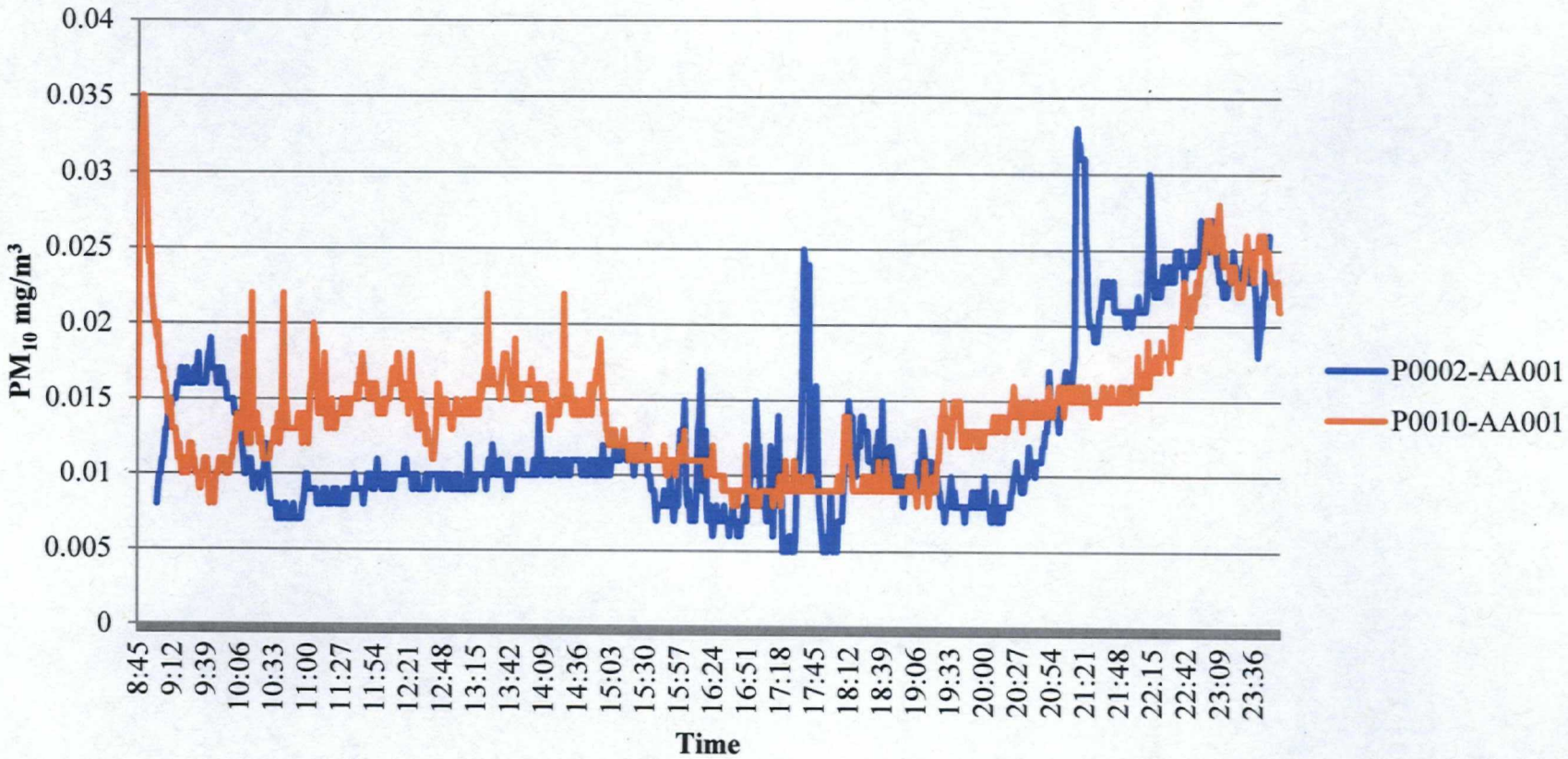
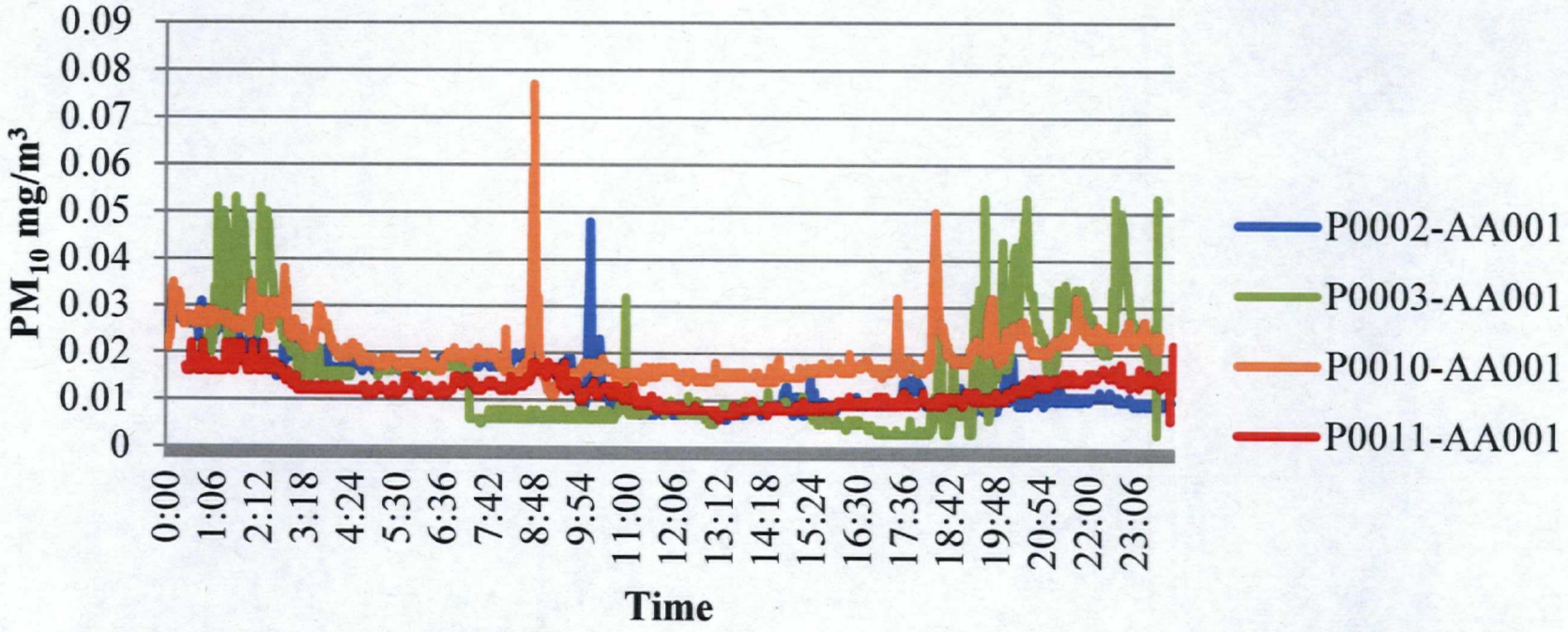


Figure 6: Particulate Air Monitoring Graph - September 30, 2012

Hillcrest Industries Site

Attica, New York



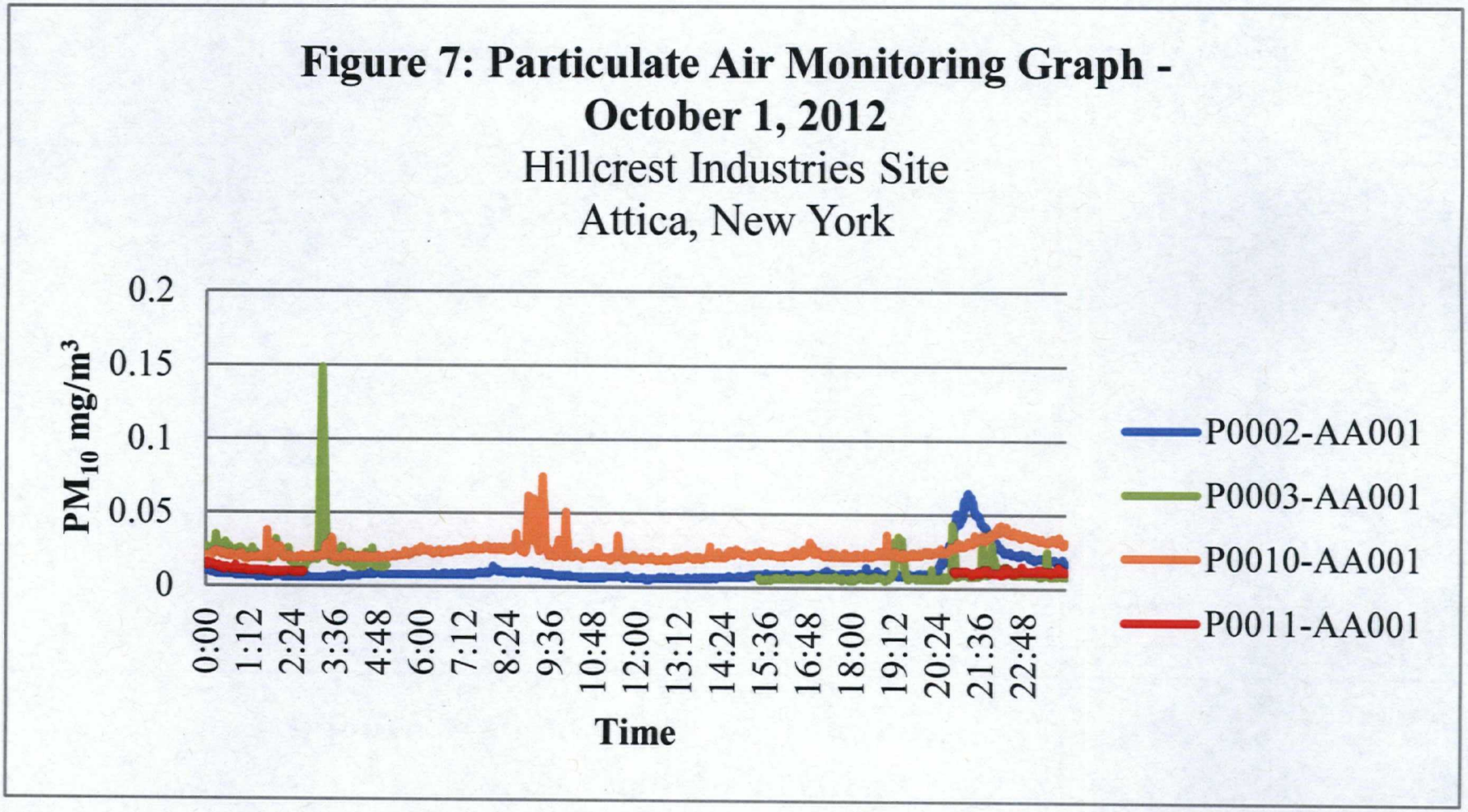


Figure 7: Particulate Air Monitoring Graph - October 1, 2012
Hillcrest Industries Site
Attica, New York
PM10 mg/m3
0.2
0.15
0.1
0.05
0
0:00
1:12
2:24
3:36
4:48
6:00
7:12
8:24
9:36
10:48
12:00
13:12
14:24
15:36
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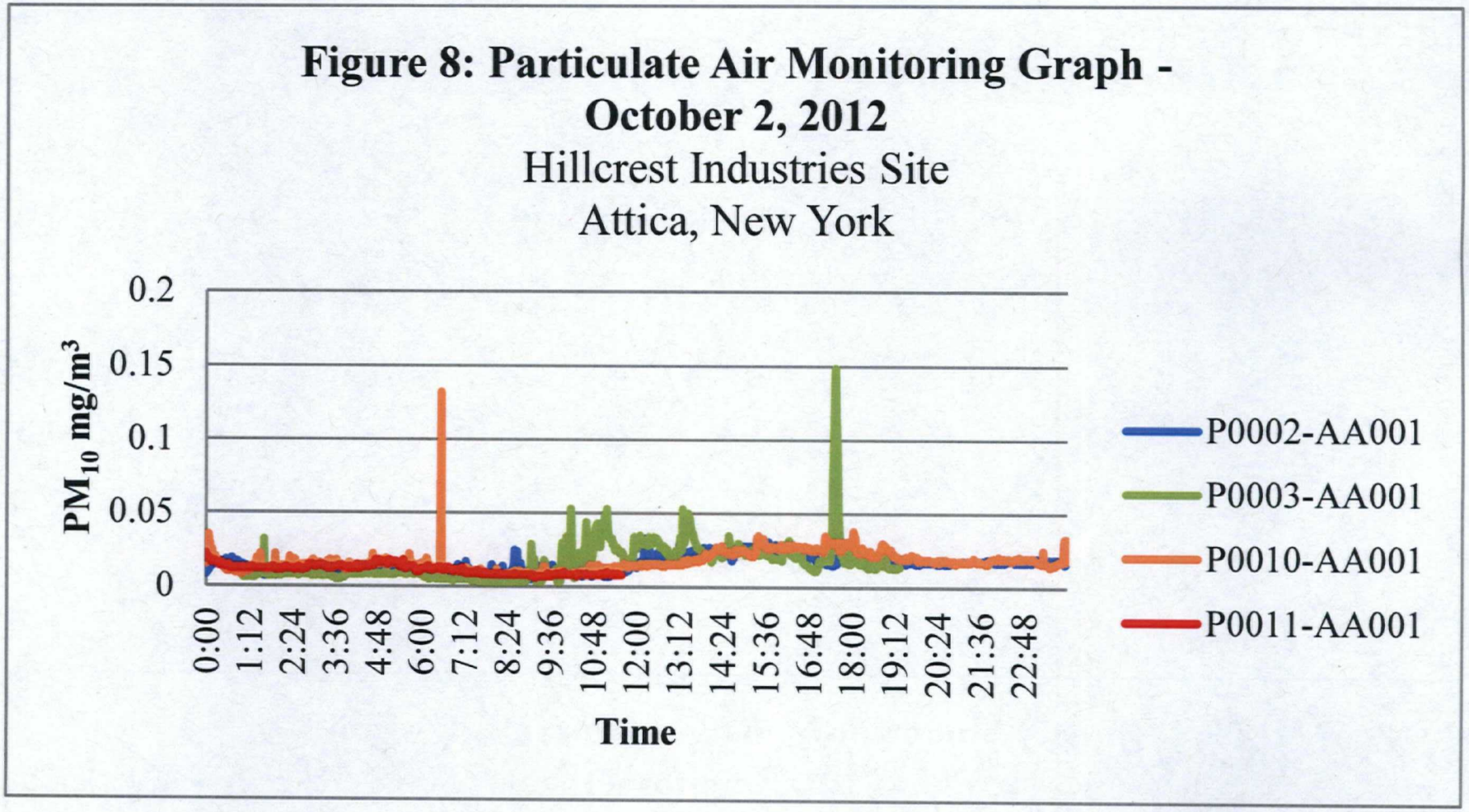


Figure 8: Particulate Air Monitoring Graph - October 2, 2012
Hillcrest Industries Site
Attica, New York
PM10 mg/m3
0.2
0.15
0.1
0.05
0
0:00
1:12
2:24
3:36
4:48
6:00
7:12
8:24
9:36
10:48
12:00
13:12
14:24
15:36
16:48
18:00
19:12
20:24
21:36
22:48
Time
P0002-AA001
P0003-AA001
P0010-AA001
P0011-AA001

Figure 9: Particulate Air Monitoring Graph - October 3, 2012

Hillcrest Industries Site

Attica, New York

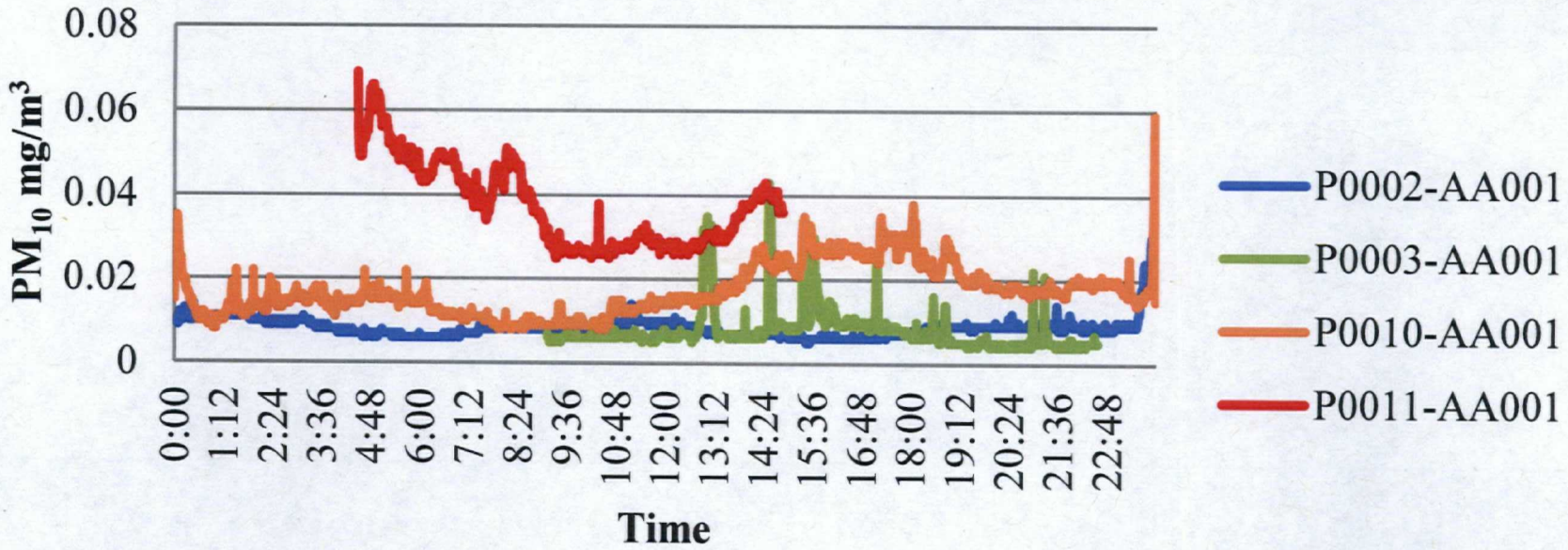


Figure 10: Particulate Air Monitoring Graph - October 4, 2012

Hillcrest Industries Site

Attica, New York

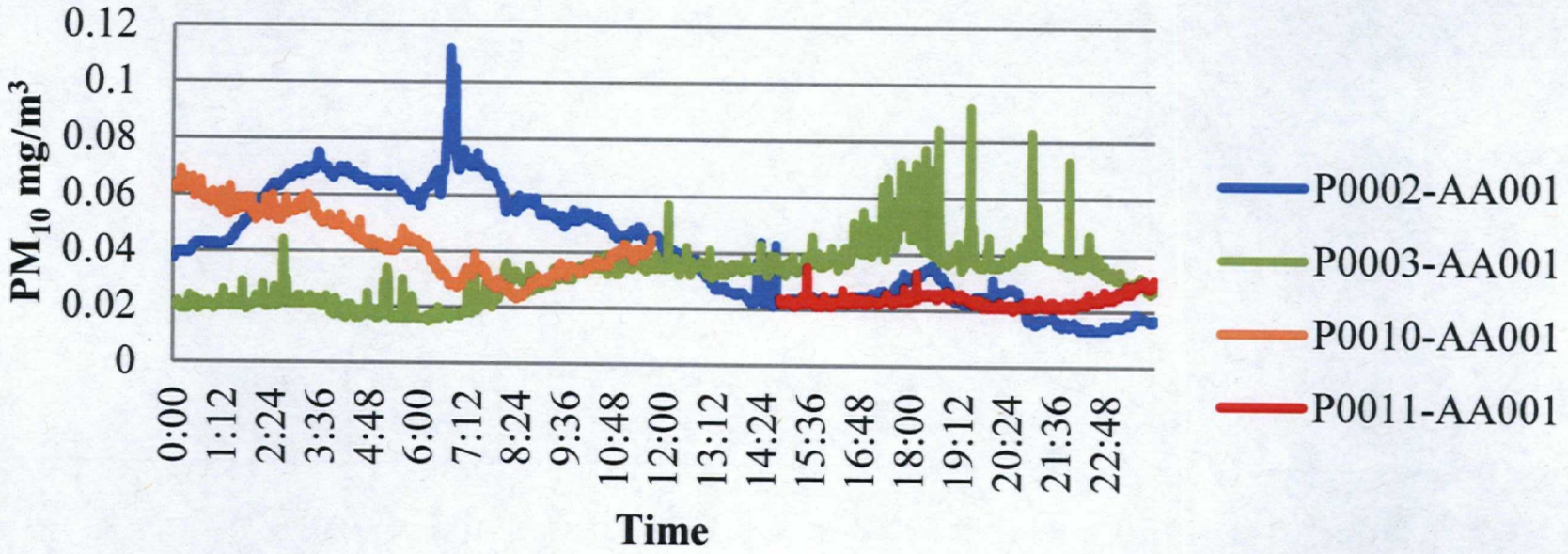


Figure 11: Particulate Air Monitoring Graph - October 5, 2012

Hillcrest Industries Site

Attica, New York

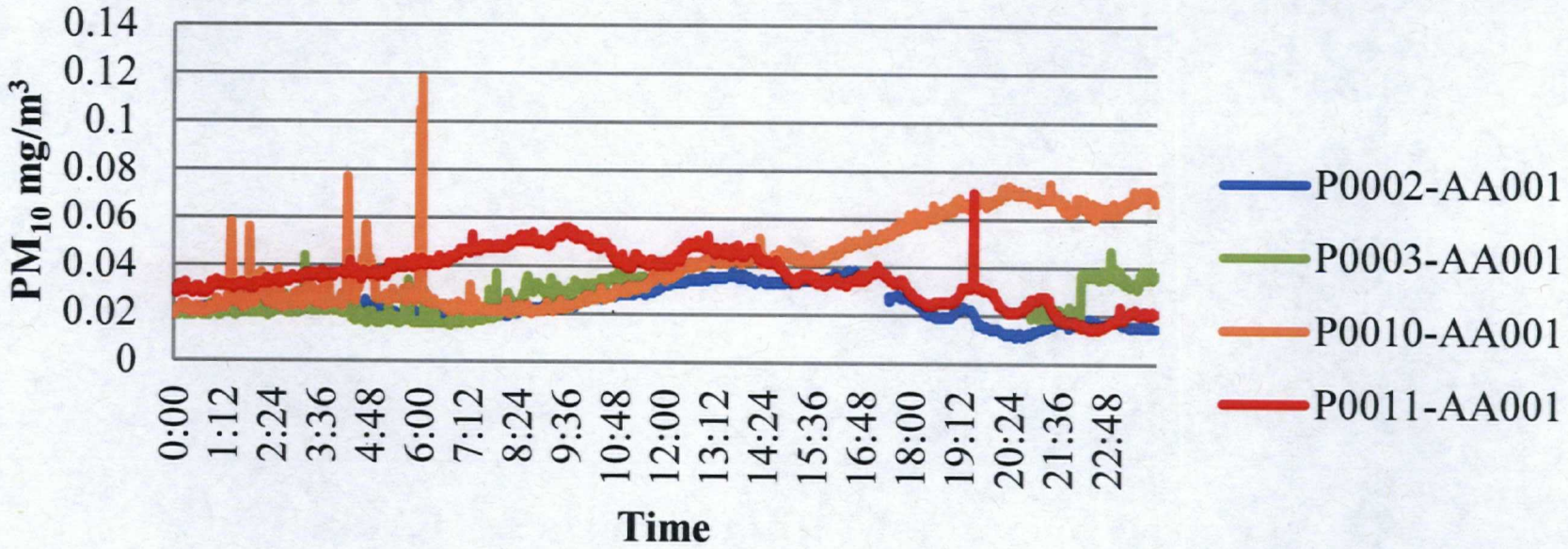


Figure 12: Particulate Air Monitoring Graph - October 6, 2012

Hillcrest Industries Site

Attica, New York

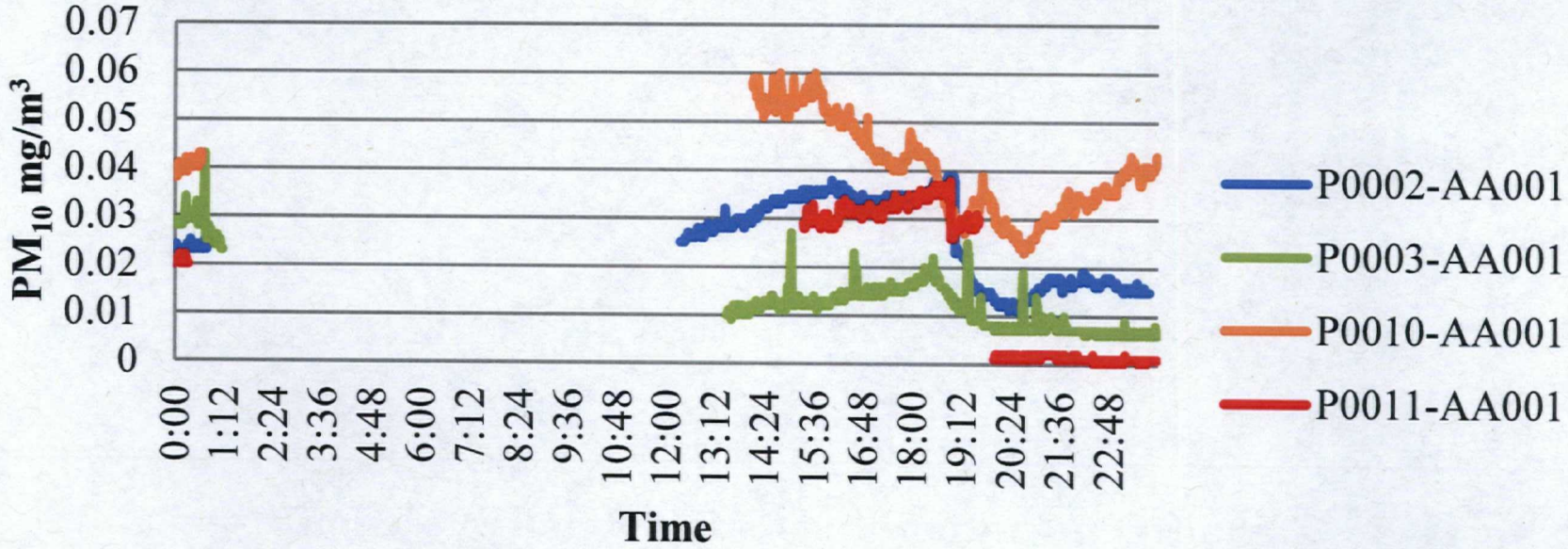


Figure 13: Particulate Air Monitoring Graph - October 7, 2012

Hillcrest Industries Site

Attica, New York

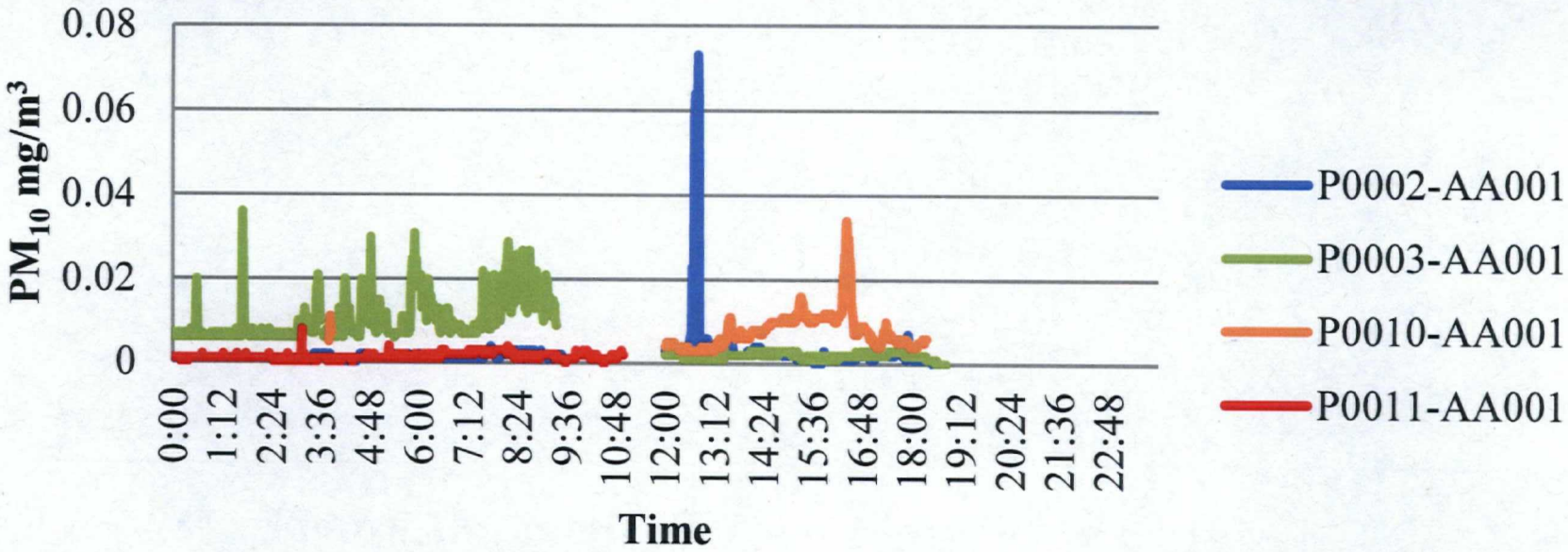


Figure 14: Particulate Air Monitoring Graph - October 8, 2012

Hillcrest Industries Site

Attica, New York

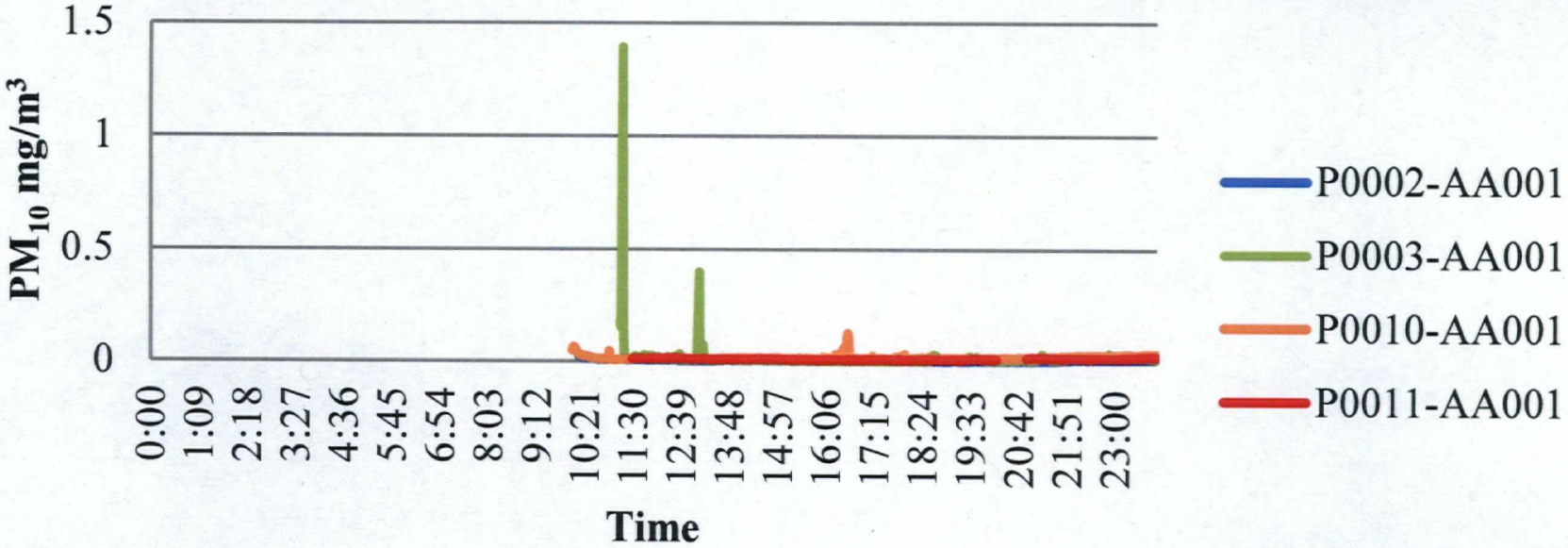


Figure 15: Particulate Air Monitoring Graph - October 9, 2012

Hillcrest Industries Site

Attica, New York

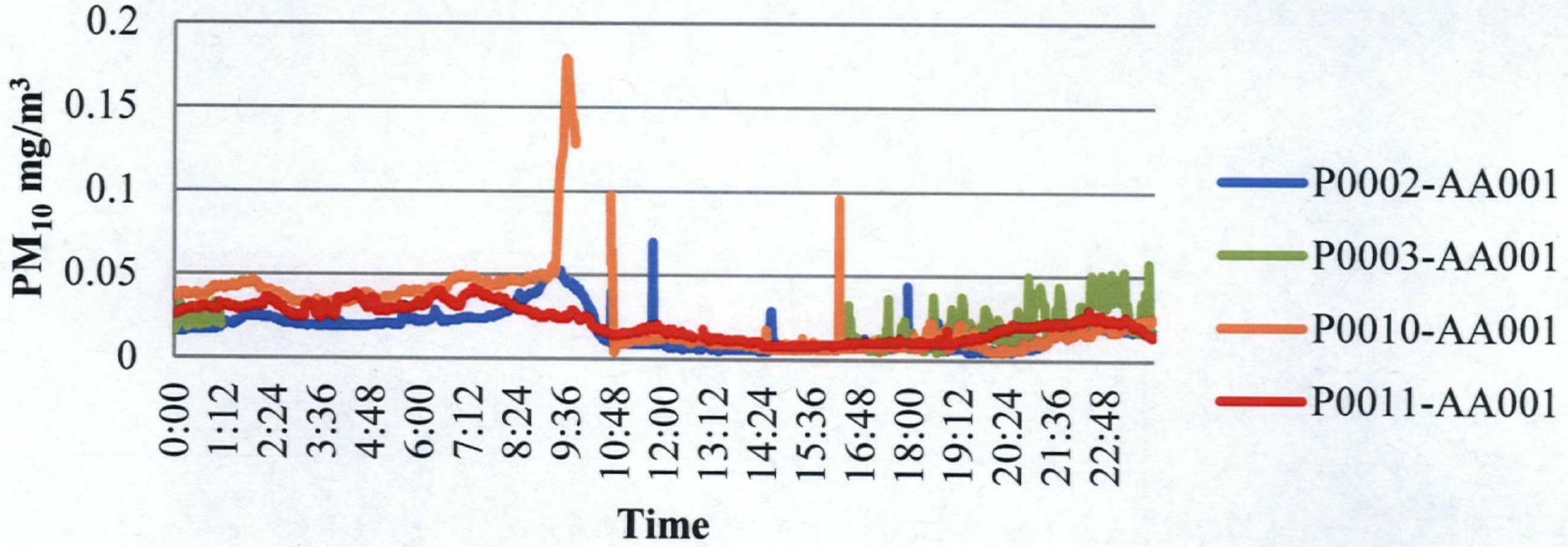


Figure 16: Particulate Air Monitoring Graph - October 10, 2012

Hillcrest Industries Site

Attica, New York

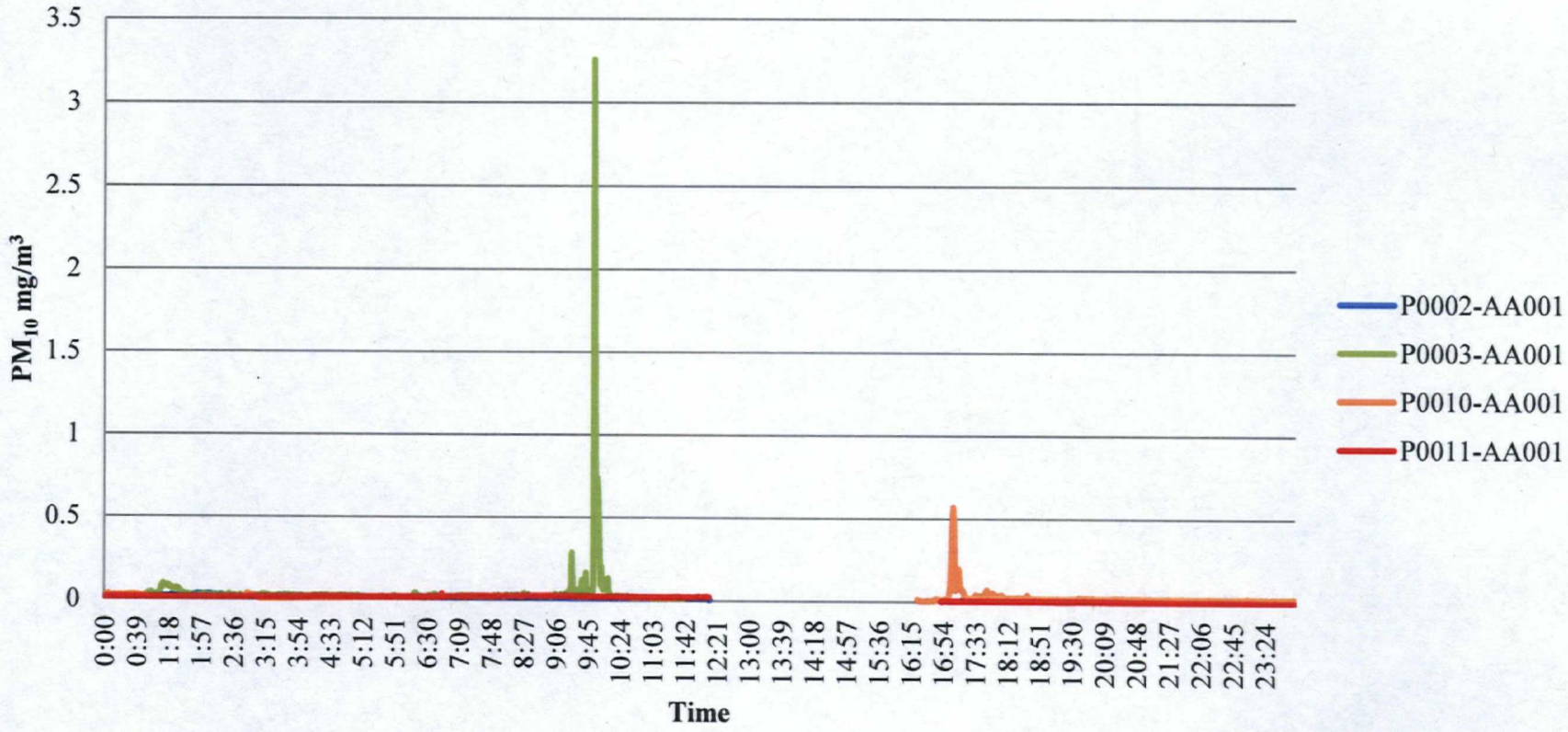


Figure 17: Particulate Air Monitoring Graph - October 11, 2012

Hillcrest Industries Site

Attica, New York

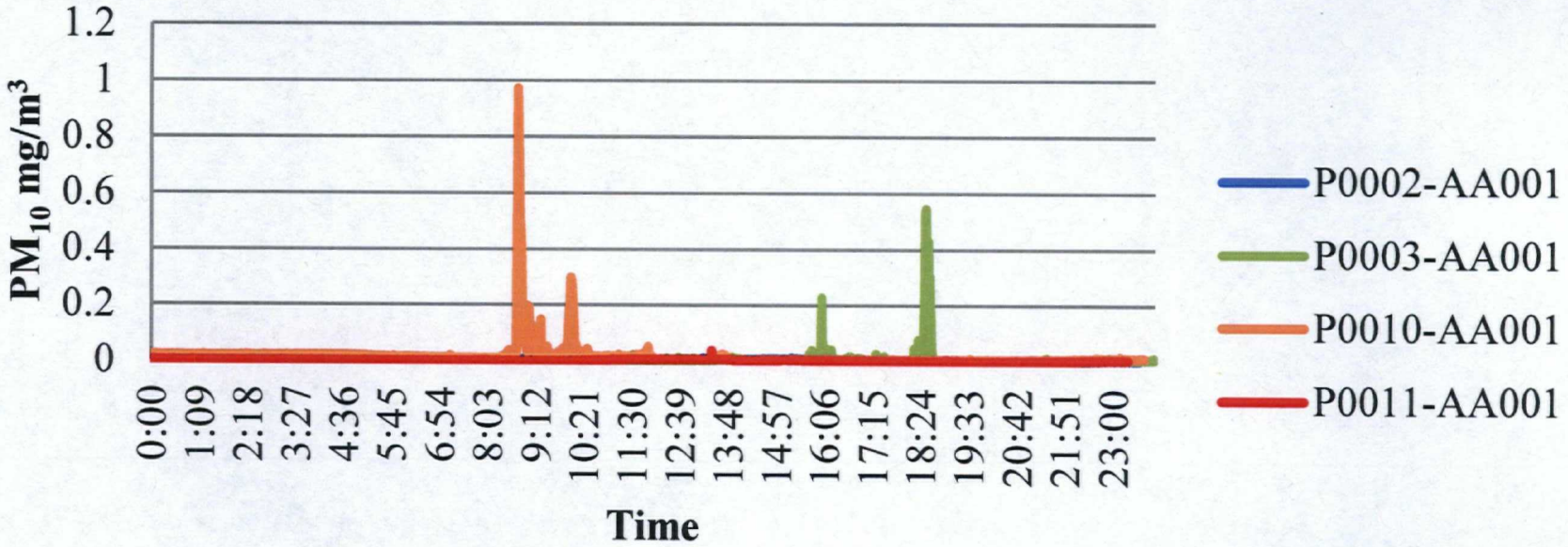


Figure 18: Particulate Air Monitoring Graph - October 12, 2012

Hillcrest Industries Site

Attica, New York

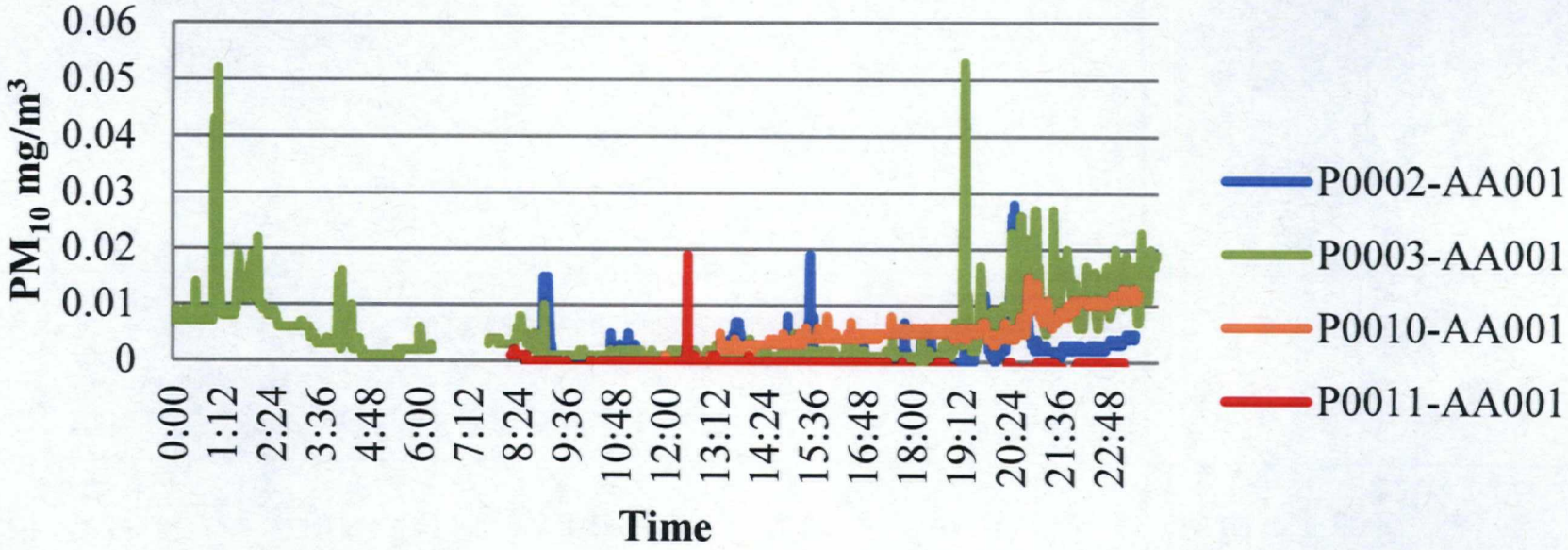
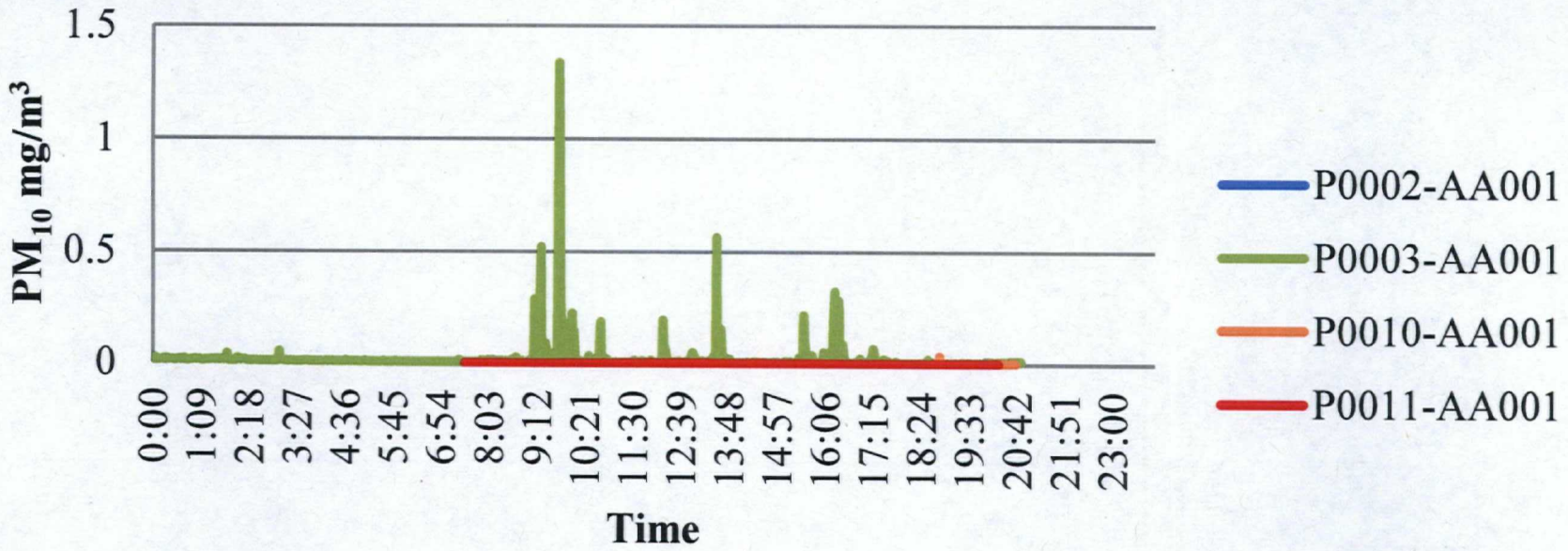


Figure 19: Particulate Air Monitoring Graph - October 13, 2012

Hillcrest Industries Site

Attica, New York



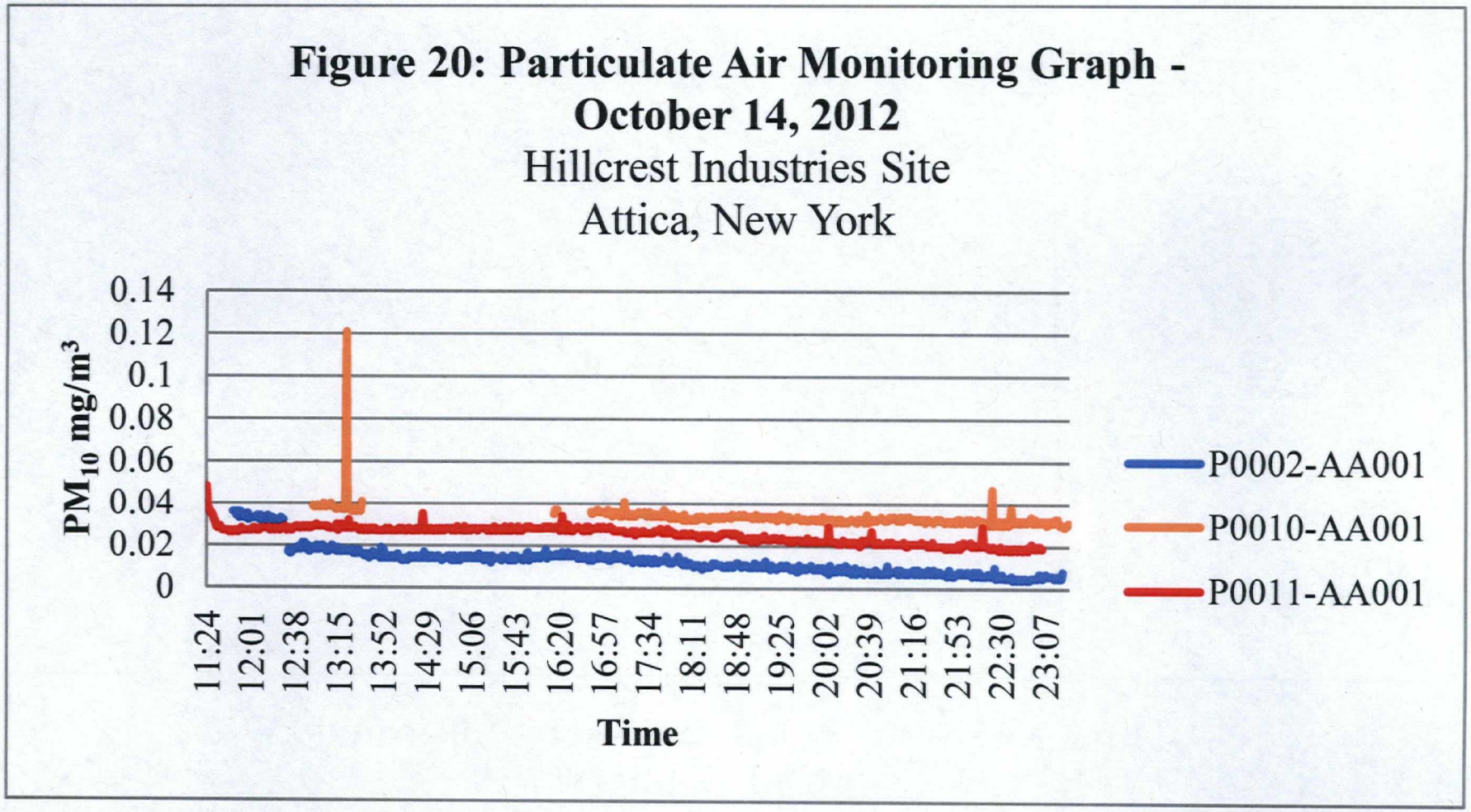


Figure 20: Particulate Air Monitoring Graph - October 14, 2012
Hillcrest Industries Site
Attica, New York
PM10 mg/m3
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
11:24
12:01
12:38
13:15
13:52
14:29
15:06
15:43
16:20
16:57
17:34
18:11
18:48
19:25
20:02
20:39
21:16
21:53
22:30
23:07
Time
P0002-AA001
P0010-AA001
P0011-AA001

Figure 21: Particulate Air Monitoring Graph - October 15, 2012

Hillcrest Industries Site

Attica, New York

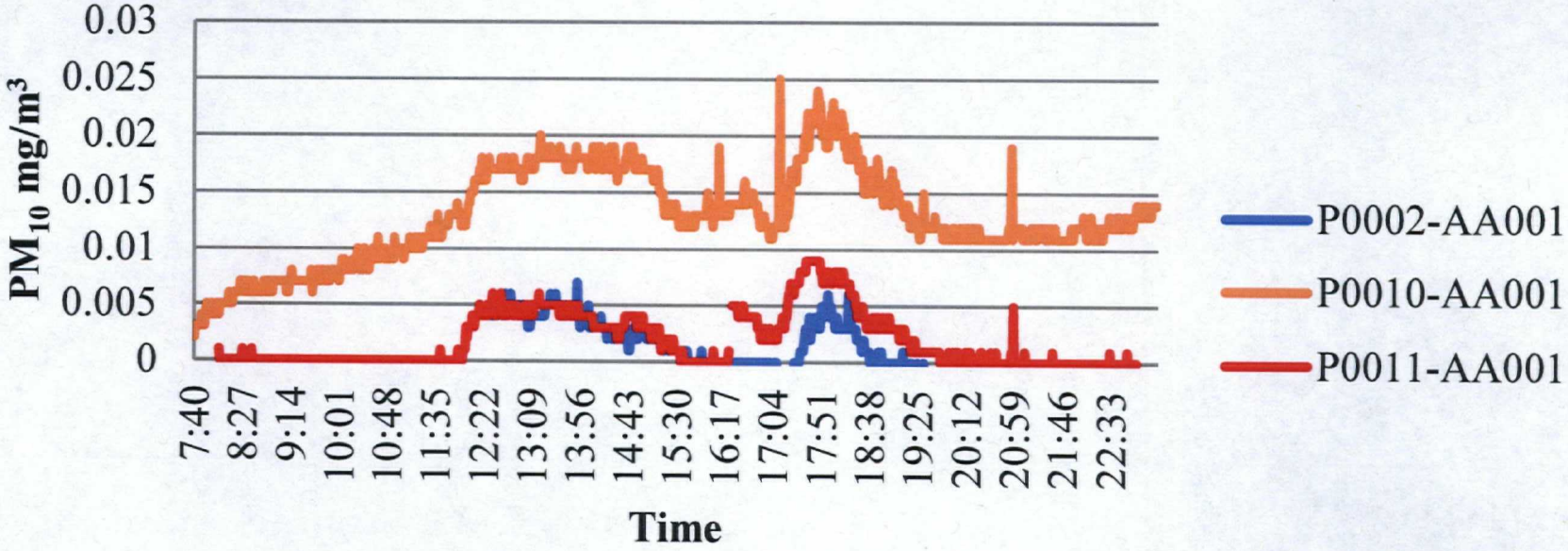


Figure 22: Particulate Air Monitoring Graph - October 16, 2012

Hillcrest Industries Site

Attica, New York

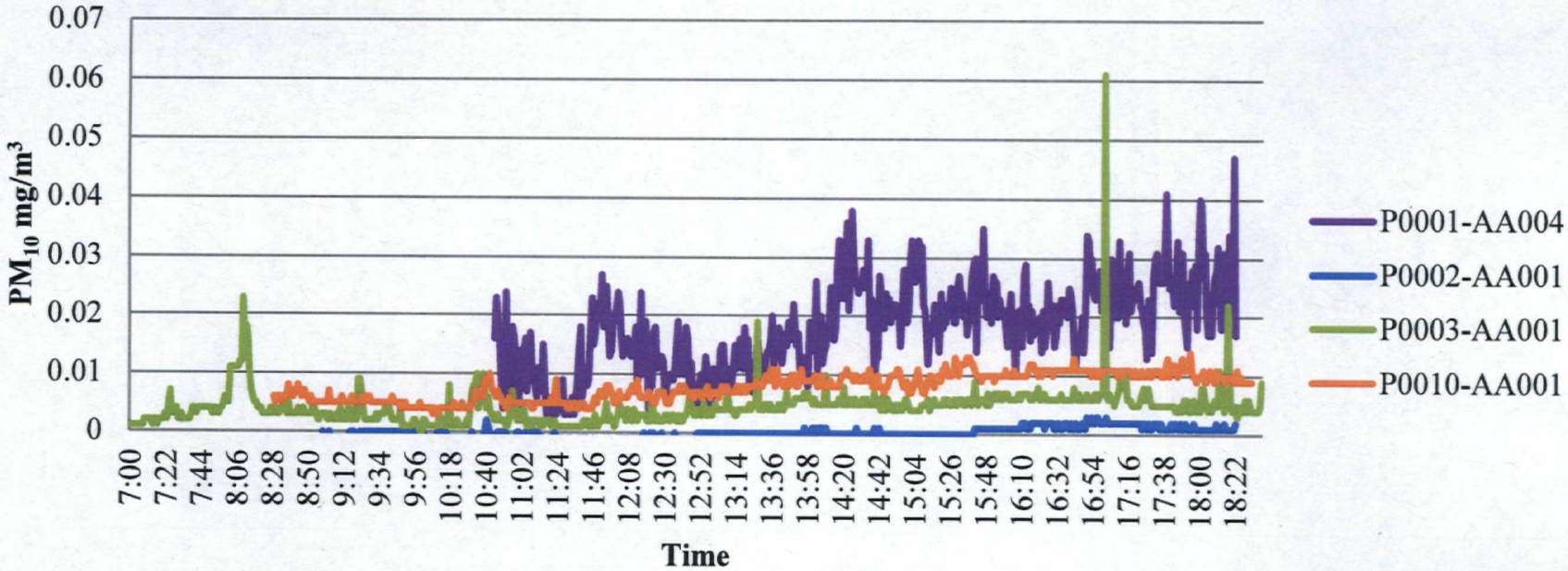


Figure 23: Particulate Air Monitoring Graph - October 17, 2012

Hillcrest Industries Site

Attica, New York

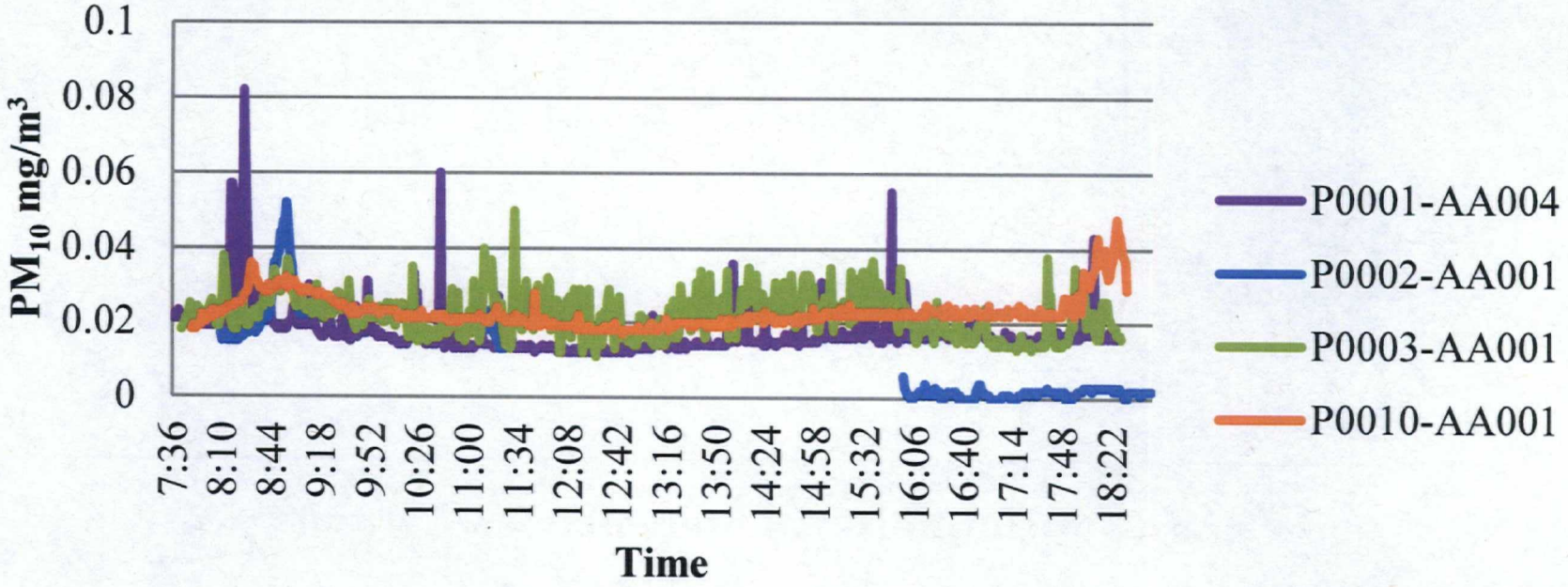


Figure 24: Particulate Air Monitoring Graph - October 18, 2012

Hillcrest Industries Site

Attica, New York

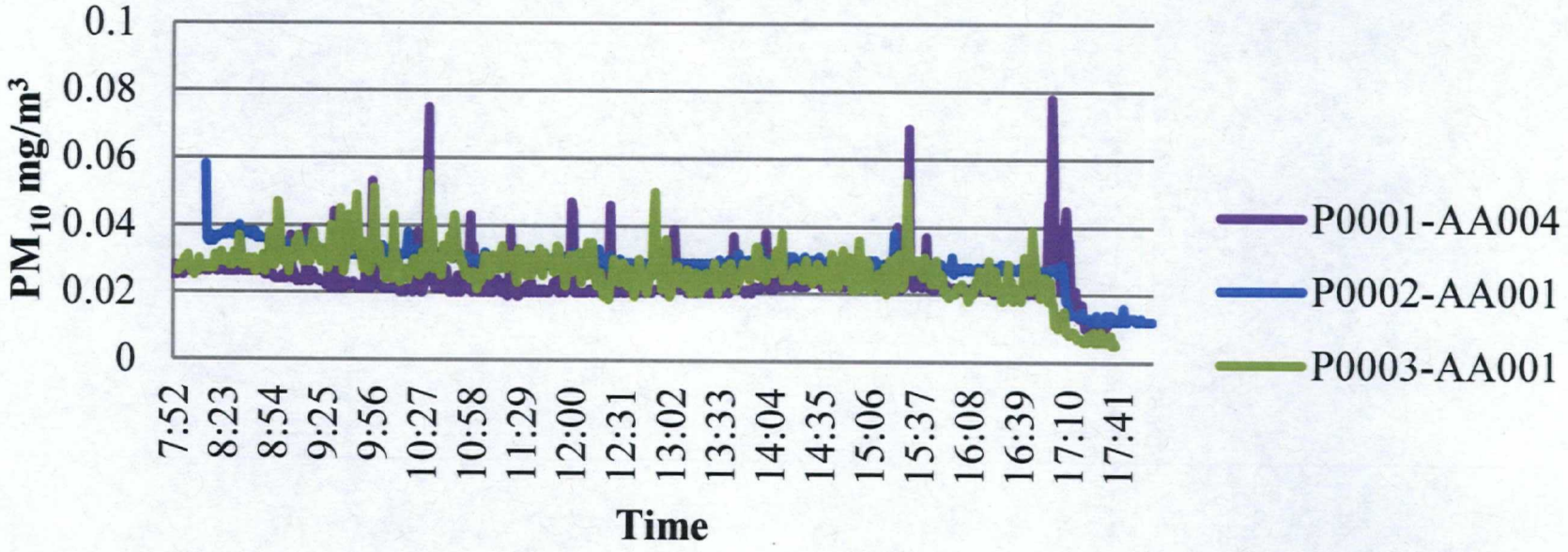
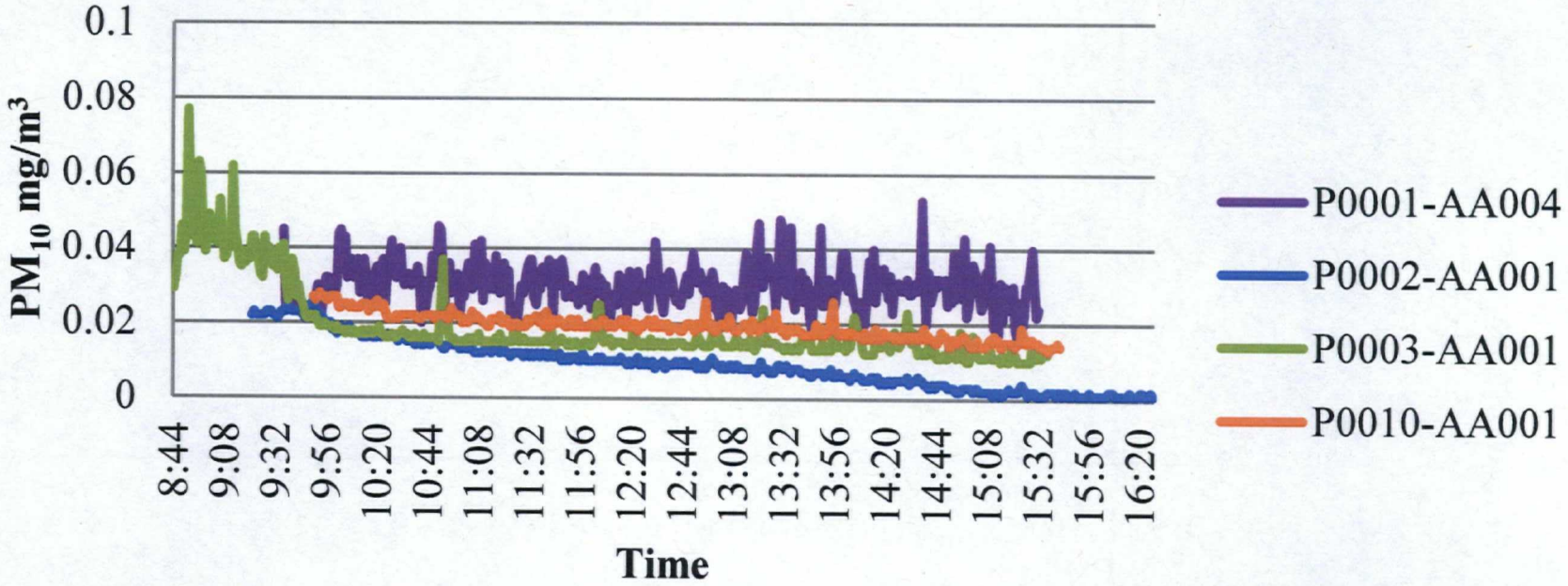


Figure 25: Particulate Air Monitoring Graph - October 22, 2012

Hillcrest Industries Site

Attica, New York



Attachment C – Tables

Table 1: Daily Weather Summary
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Table 7: Validated Analytical Data Summary – VOCs: September 29 to 30, 2012
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Table 10: Validated Analytical Data Summary – VOCs: October 2 to 3, 2012
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Table 20: Validated Analytical Data Summary – VOCs: October 12 to 13, 2012
Table 21: Validated Analytical Data Summary – VOCs: October 13 to 14, 2012
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Table 1: Daily Weather Summary
Hillcrest Industries Site
Attica, New York
September 13, 14, 25, 26, and September 29 through October 22, 2012

Date	Temperature (°F)			Precipitation (In)	Wind Speed (mph)		Wind Direction (from)	Relative Humidity (%)	
	High	Low	Average		High	Average		High	Average
09/13/12	82	58	70	0	15	7	S	80	60
09/14/12	77	53	65	0.46	22	7	W	90	72
09/25/12	71	52	62	0	25	16	SSW	59	47
09/26/12	66	55	61	0.05	20	9	SW	93	75
09/29/12	65	45	55	Trace	13	2	E	92	68
09/30/12	61	51	56	0.09	13	5	NNW	89	69
10/01/12	63	50	57	0	16	7	WSW	80	68
10/02/12	66	52	59	0.20	12	4	ENE	90	84
10/03/12	71	61	66	Trace	16	6	SW	97	82
10/04/12	71	58	65	0	24	10	SSW	90	70
10/05/12	66	50	58	0.10	24	12	SW	73	53
10/06/12	55	46	51	0.65	25	12	W	93	70
10/07/12	49	40	45	0.19	13	3	W	85	73
10/08/12	50	39	45	0.12	13	6	S	92	77
10/09/12	59	36	48	0	14	6	S	89	70
10/10/12	53	43	48	0.04	24	14	SW	80	63

Notes:
°F – degrees Fahrenheit
mph – miles per hour
% - percent

Table 1: Daily Weather Summary
Hillcrest Industries Site
Attica, New York
September 13, 14, 25, 26, and September 29 through October 22, 2012

Date	Temperature (°F)			Precipitation (In)	Wind Speed (mph)		Wind Direction	Relative Humidity (%)	
	High	Low	Average		High	Average		High	Average
10/11/12	56	37	47	0.01	28	15	WSW	70	56
10/12/12	49	31	40	0.05	21	8	NW	86	62
10/13/12	55	30	43	0.05	25	9	SSE	78	57
10/14/12	75	55	65	0.52	37	15	SSW	90	70
10/15/12	66	46	56	0.01	36	20	WSW	83	71
10/16/12	52	41	47	Trace	17	8	W	82	68
10/17/12	68	40	54	0	13	7	SSE	85	64
10/18/12	70	49	60	0.42	32	12	SSE	93	69
10/19/12	66	43	55	0	14	4	ESE	93	67
10/20/12	53	47	50	0.56	23	12	SW	93	78
10/21/12	56	45	51	0	23	12	WSW	92	79
10/22/12	63	43	53	0	14	6	SSW	92	68

Notes:
°F – degrees Fahrenheit
mph – miles per hour
% - percent

Table 2: Air Sampling and Monitoring Locations
Hillcrest Industries Site
Attica, New York
September 13, 14, 25, 26, and 29 through October 22, 2012

Property ID	Property Type	Property Location	Air Sampling Station	Location on Property	Direction from Facility/Pile
P0001	Hillcrest Industries Facility	40 Favor Street	AA001	Top of Burning Pile	Directly on Top
			AA002	North of Burning Pile	North
			AA003	East of Burning Pile	East
			AA004	Northeast Boundary of Site	Northeast
P0002	Recreational Park	Exchange Street	AA001	Pool area	Southwest
P0003	Commercial - Welding Shop	Favor Street and S. Pearl Street	AA001	Next to railroad tracks south of the welding shop	North
P0004	Elementary School	Prospect Street	AA001	Top of roof	Northwest
P0005	Commercial - Unoccupied Pizza Shop	Main Street	AA001	On handrail located on the west side of the building	Northeast
P0006	Residence	Jackson Street	AA001	Behind house on top of fence	Northeast
P0007	Fire House	Main Street	AA001	On top of guard rail near road	Northeast
P0008	Residence	Georges Street	AA001	Behind the house on top of a utility shed	Northeast
P0009	Residence	Stevens Drive and Main Street	AA001	In center of birch tree	Northeast
P0010	Middle and High School	Main Street	AA001	Behind the school in a gated area	East
			AA002	Inside of Tennis Courts	East
P0011	Water Tower - Background	Attica-Bennington Highway	AA001	Behind the water tower near the edge of the woods	West

Table 3: Air Sample Collection Information
Hillcrest Industries Site
Attica, New York
September 13, 14, 25, 26, and 29 through October 16, 2012

Sample ID	Summa Canister ID	Flow Control Regulator ID	Sample Duration			
			Start Date - Time		Stop Date - Time	
P0001-AA001-091312-001	A1021	FC451	9/13/2012	12:35	9/14/2012	12:40
P0002-AA001-091312-001	A362	FC096		11:53		12:20
P0003-AA001-091312-001	A204	FC379		12:08		12:15
P0004-AA001-091312-001	A642	FC447		10:25		10:31
P0005-AA001-091312-001	A313	FC115		11:40		11:49
P0006-AA001-091312-001	A371	FC525		11:30		11:39
P0007-AA001-091312-001	A874	FC507		11:24		11:24
P0008-AA001-091312-001	A849	FC126		12:00		12:35
P0009-AA001-091312-001	A854	FC224		11:50		12:02
P0010-AA001-091312-001	A737	FC307		9:50		9:50
P0001-AA002-001	A648	FC349	9/25/2012	10:10	9/26/2012	10:15
P0001-AA003-001	A246	FC541		10:15		10:17
P0001-AA004-092912-001	A892	FC245	9/29/2012	7:35	9/30/2012	6:58
P0002-AA001-092912-001	A325	FC135		9:08		9:38
P0003-AA001-092912-001	A182	FC226		10:37		10:56
P0004-AA001-092912-001	A459	FC440		8:14		8:15
P0005-AA001-092912-001	A085	FC384		10:19		10:52
P0006-AA001-092912-001	A837	FC224		9:42		10:03
P0007-AA001-092912-001	A1024	FC282		11:12		11:37
P0007-AA001-092912-002[1]	A838	FC481		11:12		11:37
P0008-AA001-092912-001	A890	FC368		11:19		11:50
P0009-AA001-092912-001	A1020	FC270		11:22		11:35
P0010-AA001-092912-001	A881	FC298		9:20		9:50
P0011-AA001-092912-001	A629	FC420		8:47		8:40
TB-092912	A017	NA		7:00	NA	NA
P0002-AA001-093012-001	A310	FC172	9/30/2012	11:15	10/1/2012	11:20
P0004-AA001-093012-001	A814	FC510		8:15		8:14
P0010-AA001-093012-001	A350	FC056		9:53		10:00
P0004-AA001-100112-001	A460	FC268	10/1/2012	8:16	10/2/2012	8:18
P0010-AA001-100112-001	A235	FC525		10:10		10:15

Table 3: Air Sample Collection Information
Hillcrest Industries Site
Attica, New York
September 13, 14, 25, 26, and 29 through October 16, 2012

Sample ID	Summa Canister ID	Flow Control Regulator ID	Sample Duration			
			Start Date - Time		Stop Date - Time	
P0002-AA001-100212-001	A834	FC372	10/2/2012	15:42	10/3/2012	15:30
P0003-AA001-100212-001	A316	FC163		13:33		12:50
P0004-AA001-100212-001	A449	FC112		15:25		15:10
P0005-AA001-100212-001	A448	FC441		15:05		14:55
P0005-AA001-100212-002[2]	A870	FC376		15:05		14:55
P0006-AA001-100212-001	A375	FC386		14:54		14:45
P0007-AA001-100212-001	A633	FC054		14:45		14:30
P0008-AA001-100212-001	A746	FC388		14:38		14:00
P0009-AA001-100212-001	A351	FC088		14:30		14:10
P0010-AA001-100212-001	A332	FC354		13:25		12:45
P0011-AA001-100212-001	A313	FC258		15:55		15:45
P0002-AA001-100312-001*	A285	FC293	10/3/2012	15:35	10/4/2012	14:20
P0003-AA001-100312-001*	A470	FC254		16:00		15:00
P0004-AA001-100312-001*	A775	FC243		15:15		14:00
P0005-AA001-100312-001*	A639	FC491		15:00		13:40
P0006-AA001-100312-001*	A642	FC102		14:50		13:25
P0007-AA001-100312-001*	A833	FC396		14:35		13:15
P0008-AA001-100312-001*	A214	FC435		14:05		12:35
P0009-AA001-100312-001*	A768	FC229		14:15		12:45
P0010-AA001-100312-001*	A1013	FC192		14:25		12:55
P0010-AA001-100312-002*[3]	A829	FC292		14:25		12:55
P0011-AA001-100312-001*	A768	FC254		15:50		14:35
TB-100412	A319	NA		12:30		12:30
P0002-AA001-100412-001	A283	FC367	10/4/2012	14:25	10/5/2012	13:10
P0003-AA001-100412-001	A363	FC107		15:05		13:30
P0004-AA001-100412-001	A1031	FC533		14:05		13:00
P0005-AA001-100412-001	A1025	FC430		13:45		12:40
P0006-AA001-100412-001	A193	FC493		13:30		12:45
P0007-AA001-100412-001	A1043	FC363		13:20		12:35
P0008-AA001-100412-001	A366	FC083		12:40		12:05
P0009-AA001-100412-001	A848	FC529		12:50		12:10
P0010-AA001-100412-001	A347	FC123		13:00		12:20
P0011-AA001-100412-001	A984	FC416		14:40		13:20
TB-100512	A336	NA		12:30		12:30

Table 3: Air Sample Collection Information
Hillcrest Industries Site
Attica, New York
September 13, 14, 25, 26, and 29 through October 16, 2012

Sample ID	Summa Canister ID	Flow Control Regulator ID	Sample Duration			
			Start Date - Time		Stop Date - Time	
P0002-AA001-100512-001	499	633	10/5/2012	15:00	10/6/2012	13:15
P0003-AA001-100512-001	511	674		14:05		13:25
P0004-AA001-100512-001	535	591		14:55		14:40
P0005-AA001-100512-001	441	593		14:40		14:20
P0005-AA001-100512-002[4]	424	634		14:40		14:20
P0006-AA001-100512-001	440	643		14:10		11:15
P0007-AA001-100512-001	498	592		14:35		14:10
P0008-AA001-100512-001	501	648		14:15		13:40
P0009-AA001-100512-001	429	718		14:25		13:50
P0010-AA001-100512-001	481	638		14:30		14:00
P0011-AA001-100512-001	513	649		15:05		15:15
TB-100612	553	NA		15:00		15:00
P0002-AA001-100612-001	509	582	10/6/2012	15:00	10/7/2012	13:50
P0003-AA001-100612-001	505	683		13:30		12:10
P0004-AA001-100612-001	515	594		14:45		13:10
P0005-AA001-100612-001	550	619		14:25		13:45
P0006-AA001-100612-001	394	606		13:35		12:20
P0007-AA001-100612-001	495	635		14:15		13:30
P0008-AA001-100612-001	545	611		13:45		12:30
P0009-AA001-100612-001	544	587		13:45		12:30
P0010-AA001-100612-001	485	603		14:05		12:50
P0011-AA001-100612-001	493	609		15:10		10:53
P0002-AA001-100712-001	433	583	10/7/2012	14:00	10/8/2012	6:35
P0003-AA001-100712-001	554	639		12:15		12:04
P0004-AA001-100712-001	442	600		13:15		12:33
P0005-AA001-100712-001	386	646		13:50		13:09
P0005-AA001-100712-002[5]	426	650		13:50		13:09
P0006-AA001-100712-001	404	601		12:25		12:23
P0007-AA001-100712-001	487	615		13:35		13:05
P0008-AA001-100712-001	439	616		12:35		12:45
P0009-AA001-100712-001	450	689		12:45		12:52
P0010-AA001-100712-001	497	586		12:55		12:57
P0011-AA001-100712-001	436	613		14:10		13:16

Table 3: Air Sample Collection Information
Hillcrest Industries Site
Attica, New York
September 13, 14, 25, 26, and 29 through October 16, 2012

Sample ID	Summa Canister ID	Flow Control Regulator ID	Sample Duration			
			Start Date - Time		Stop Date - Time	
P0002-AA001-100812-001	488	642	10/8/2012	13:31	10/9/2012	13:00
P0003-AA001-100812-001	448	276		12:08		11:15
P0004-AA001-100812-001	483	596		12:36		12:25
P0005-AA001-100812-001	542	580		13:37		12:41
P0006-AA001-100812-001	416	588		12:25		11:37
P0007-AA001-100812-001	382	604		13:43		11:42
P0008-AA001-100812-001	530	597		12:48		9:41
P0009-AA001-100812-001	389	599		12:54		13:08
P0010-AA001-100812-001	437	376		13:00		12:56
P0011-AA001-100812-001	559	374		13:18		12:42
TB-100812	403	NA		15:00		15:00
P0002-AA001-100912-001	A299	FC257	10/9/2012	13:00	10/10/2012	11:47
P0003-AA001-100912-001	A1047	FC252		13:15		12:26
P0004-AA001-100912-001	A647	FC511		12:26		12:47
P0005-AA001-100912-001	A1042	FC365		12:35		11:40
P0006-AA001-100912-001	420	373		13:12		11:47
P0007-AA001-100912-001	425	277		13:00		9:51
P0008-AA001-100912-001	422	585		13:04		6:41
P0009-AA001-100912-001	538	640		13:08		9:48
P0010-AA001-100912-001	A358	FC415		12:57		11:26
P0011-AA001-100912-001	630	595		12:44		10:58
P0011-AA001-100912-002[6]	396	241		12:44		10:58
P0002-AA001-101012-001	A826	FC283	10/10/2012	12:11	10/11/2012	12:31
P0003-AA001-101012-001	A831	FC313		12:26		11:54
P0004-AA001-101012-001	A251	FC282		12:46		12:06
P0005-AA001-101012-001	A256	FC265		11:47		12:56
P0006-AA001-101012-001	A1039	FC317		12:27		12:44
P0007-AA001-101012-001	A248	FC368		12:37		13:27
P0008-AA001-101012-001	A637	FC382		12:30		13:14
P0009-AA001-101012-001	A243	FC379		12:33		13:40
P0010-AA001-101012-001	A213	FC085		12:34		13:21
P0011-AA001-101012-001	A770	FC499		12:04		12:16
TB-101012	A445	NA		15:00		NA

Table 3: Air Sample Collection Information
Hillcrest Industries Site
Attica, New York
September 13, 14, 25, 26, and 29 through October 16, 2012

Sample ID	Summa Canister ID	Flow Control Regulator ID	Sample Duration			
			Start Date - Time		Stop Date - Time	
P0002-AA001-101112-001	A284	FC131	10/11/2012	12:31	10/12/2012	12:41
P0002-AA001-101112-002[7]	A987	FC397		12:31		12:41
P0003-AA001-101112-001	A094	FC294		11:54		12:19
P0004-AA001-101112-001	A669	FC353		12:06		12:10
P0005-AA001-101112-001	A247	FC481		12:56		13:35
P0006-AA001-101112-001	A769	FC259		12:44		12:50
P0007-AA001-101112-001	A368	FC249		13:27		13:25
P0008-AA001-101112-001	A023	FC242		13:14		12:54
P0009-AA001-101112-001	A778	FC307		13:40		12:58
P0010-AA001-101112-001	A893	FC279		13:21		13:05
P0011-AA001-101112-001	A188	FC197		12:16	10/11/2012	18:45
P0002-AA001-101212-001	A222	FC169	10/12/2012	12:41	10/13/2012	12:23
P0003-AA001-101212-001	A824	FC052		12:19		12:32
P0004-AA001-101212-001	A218	FC115		12:10		12:03
P0005-AA001-101212-001	A862	FC525		13:35		13:04
P0006-AA001-101212-001	A859	FC083		12:49		12:37
P0007-AA001-101212-001	A1008	FC332		13:25		12:59
P0008-AA001-101212-001	A341	FC194		12:54		12:42
P0009-AA001-101212-001	A343	FC396		12:58		12:47
P0010-AA001-101212-001	A239	FC440		13:14		12:52
P0011-AA001-101212-001	A665	FC457		12:28		12:13
TB-101212	A147	NA		12:00	10/12/2012	12:00
P0002-AA001-101312-001	A278	FC491	10/13/2012	12:23	10/14/2012	12:18
P0003-AA001-101312-001	A475	FC240		12:32		12:26
P0004-AA001-101312-001	A888	FC054		12:03		11:59
P0005-AA001-101312-001	A454	FC508		13:04		12:59
P0006-AA001-101312-001	A131	FC390		12:37		12:33
P0007-AA001-101312-001	A839	FC405		12:59		12:56
P0007-AA001-101312-002[8]	A661	FC102		12:59		12:56
P0008-AA001-101312-001	A059	FC092		12:42		12:38
P0009-AA001-101312-001	A994	FC496		12:47		12:41
P0010-AA001-101312-001	A252	FC409		12:52		12:45
P0011-AA001-101312-001	A874	FC292		12:13		11:25

Table 3: Air Sample Collection Information
Hillcrest Industries Site
Attica, New York
September 13, 14, 25, 26, and 29 through October 16, 2012

Sample ID	Summa Canister ID	Flow Control Regulator ID	Sample Duration			
			Start Date - Time		Stop Date - Time	
P0002-AA001-101412-001	A738	FC468	10/14/2012	12:18	10/15/2012	12:13
P0003-AA001-101412-001	A659	FC504		12:26		12:23
P0004-AA001-101412-001	A364	FC426		11:59		11:59
P0005-AA001-101412-001	A338	FC355		12:59		12:46
P0006-AA001-101412-001	A198	FC363		12:33		12:27
P0008-AA001-101412-001	A872	FC298		12:38		12:31
P0010-AA002-101412-001	A179	FC274		12:45		12:38
P0011-AA001-101412-001	A003	FC435		12:08		12:05
P0002-AA001-101512-001	A456	FC527	10/15/2012	12:13	10/16/2012	12:15
P0003-AA001-101512-001	A1016	FC254		12:23		12:23
P0004-AA001-101512-001	A898	FC533		11:59		12:02
P0005-AA001-101512-001	A745	FC380		12:46		11:56
P0006-AA001-101512-001	A255	FC447		12:27		12:24
P0008-AA001-101512-001	A306	FC087		12:31		12:28
P0010-AA002-101512-001	A999	FC493		12:38		12:32
P0010-AA002-101512-002[9]	A333	FC243		12:38		12:32
P0011-AA001-101512-001	A166	FC229		12:05		12:10

Notes:

*Samples labeled as P00XX-SS001-100312-00X on Chain of Custody Record but were P00XX-AA001-100312-00X.

[1]Field duplicate of P0007-AA001-092912-001

[2]Field duplicate of P0005-AA001-100212-001

[3]Field duplicate of P0010-AA001-100312-001

[4]Field duplicate of P0005-AA001-100512-001

[5]Field duplicate of P0005-AA001-100712-001

[6]Field duplicate of P0011-AA001-100912-001

[7]Field duplicate of P0002-AA001-101112-001

[8]Field duplicate of P0007-AA001-101312-001

[9]Field duplicate of P0010-AA002-101512-001

Table 4: Sample Dispatch Information
Hillcrest Industries Site
Attica, New York
September 17, 27, and October 1 through 17, 2012

Date of Shipment	No. of Samples	FedEx Airbill	Chain of Custody Record Number	Laboratory Shipped To
9/17/2012	10	Hand Delivered	2-091412-114240-0001	Accutest Laboratories
9/27/2012	2	Hand Delivered	2-092712-100734-0002	
10/1/2012	13	Hand Delivered	2-093012-200017-0003	
10/1/2012	3	799091697075	2-100112-130409-0004	
10/2/2012	2	898701976782	2-100212-113558-0005	
10/4/2012	11	898701976911	2-100412-093602-0006	
10/5/2012	12	898701977712*	2-100512-122511-0007	
10/6/2012	11	898701976944	2-100612-030526-0008	
10/8/2012	12	898701976933	2-100712-045647-0009	Atmosphere Analysis and Consulting, Inc
10/8/2012	10	898701976922	2-100812-040317-0010	
10/9/2012	11	898701976955	2-100912-152725-0011	
10/10/2012	11	898701976966	2-101012-135431-0012	
10/11/2012	6	898701976977	2-101112-125301-0013	
10/11/2012	5	898701976988	2-101112-130940-0014	Accutest Laboratories
10/12/2012	11	898701976999	2-101212-143628-0015	
10/13/2012	11	898701976820	2-101312-155857-0016	
10/15/2012	11	898701976830	2-101412-144646-0017	
10/15/2012	11	898701976841	2-101512-151837-0018	
10/16/2012	8	898701977002	2-101612-143645-0019	
10/17/2012	9	898701976852	2-101712-124535-0020	

Notes:

* Mislabeled on the Chain of Custody as FedEx Airbill 898701976922.

Table 5: Validated Analytical Data Summary - VOCs
September 13 to 14, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0001-AA001-091312-001		P0002-AA001-091312-001		P0003-AA001-091312-001		P0004-AA001-091312-001		P0005-AA001-091312-001		P0006-AA001-091312-001		P0007-AA001-091312-001		P0008-AA001-091312-001		P0009-AA001-091312-001		P0010-AA001-091312-001	
Start Date - Time	9/13/12 - 12:35		9/13/12 - 11:53		9/13/12 - 12:08		9/13/12 - 10:25		9/13/12 - 11:40		9/13/12 - 11:30		9/13/12 - 11:24		9/13/12 - 12:00		9/13/12 - 11:50		9/13/12 - 09:50	
Stop Date - Time	9/14/12 - 12:40		9/14/12 - 12:20		9/14/12 - 12:15		9/14/12 - 10:31		9/14/12 - 11:49		9/14/12 - 11:39		9/14/12 - 11:24		9/14/12 - 12:35		9/14/12 - 12:02		9/14/12 - 09:50	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																				
Acetone	59	141	10.9	25.9	10.6	25.2	6.5	15	6.3	15	6.4	15	5.6	13	5.0	12	44.5	106	4.3	10
1,3-Butadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	215	687.0	0.13 J	0.42 J	7.9	25	0.14 J	0.45 J	2.5	8.0	1.3	4.2	0.50	1.6	0.55	1.8	0.26	0.83	0.26	0.83
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	5.1	23	U	U	0.12 J	0.55 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	5.3	14	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.14 J	0.68 J	U	U
Chloromethane	27.9	57.6	0.49	1.0	2.0	4.1	0.56	1.2	0.99	2.0	0.70	1.4	0.58	1.2	0.66	1.4	0.59	1.2	0.57	1.2
3-Chloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	0.51 J	2.5 J	0.48	2.4	0.15 J	0.74 J	0.52	2.6	0.49	2.4	0.47	2.3	0.54	2.7	0.61	3.0	0.61	3.0	0.56	2.8
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
o-Dichlorobenzene	0.78 J	4.7 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethanol	16.1	30.3	2.2	4.1	3.4	6.4	1.9	3.6	2.4	4.5	1.3	2.4	1.4	2.6	2.5	4.7	1.1	2.1	1.8	3.4
Ethylbenzene	337	1460	U	U	10.4	45.2	0.11 J	0.48 J	2.4	10	2.0	8.7	0.65	2.8	0.63	2.7	1.1	4.8	0.22	0.96

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 5: Validated Analytical Data Summary - VOCs
September 13 to 14, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0001-AA001-091312-001		P0002-AA001-091312-001		P0003-AA001-091312-001		P0004-AA001-091312-001		P0005-AA001-091312-001		P0006-AA001-091312-001		P0007-AA001-091312-001		P0008-AA001-091312-001		P0009-AA001-091312-001		P0010-AA001-091312-001	
Start Date - Time	9/13/12 - 12:35		9/13/12 - 11:53		9/13/12 - 12:08		9/13/12 - 10:25		9/13/12 - 11:40		9/13/12 - 11:30		9/13/12 - 11:24		9/13/12 - 12:00		9/13/12 - 11:50		9/13/12 - 09:50	
Stop Date - Time	9/14/12 - 12:40		9/14/12 - 12:20		9/14/12 - 12:15		9/14/12 - 10:31		9/14/12 - 11:49		9/14/12 - 11:39		9/14/12 - 11:24		9/14/12 - 12:35		9/14/12 - 12:02		9/14/12 - 09:50	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																				
Ethyl Acetate	U	U	2.0	7.2	1.8	6.5	1.5	5.4	1.4	5.0	2.1	7.6	2.5	9.0	6.0	22	3.1	11	10.5	37.8
4-Ethyltoluene	1.8	8.8	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.73	3.6	U	U
Freon 113	U	U	U	U	U	U	U	U	U	U	U	U	0.099 J	0.76 J	0.24	1.8	U	U	0.28	2.1
Freon 114	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Heptane	9.3	38	U	U	0.49	2.0	U	U	0.15 J	0.61 J	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexane	10.3	36.3	1.4	4.9	0.76	2.7	0.59	2.1	0.96	3.4	1.8	6.3	0.93	3.3	0.38	1.3	0.16 J	0.56 J	0.72	2.5
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropyl Alcohol	3.1	7.6	0.42	1.0	0.63	1.5	U	U	U	U	U	U	U	U	0.29	0.71	0.43	1.1	0.33	0.81
Methylene chloride	0.82	2.8	0.67	2.3	0.33	1.1	0.52	1.8	0.66	2.3	2.4	8.3	0.73	2.5	0.40	1.4	U	U	0.50	1.7
Methyl ethyl ketone	8.2	24	0.53	1.6	1.0	2.9	0.58	1.7	0.56	1.7	0.50	1.5	0.46	1.4	0.40	1.2	0.68	2.0	0.32	0.94
Methyl Isobutyl Ketone	3.0	12	U	U	0.21	0.86	U	U	U	U	0.16 J	0.66 J	U	U	U	U	U	U	U	U
Methyl Tert Butyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylmethacrylate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Propylene	466.0	800	U	U	U	U	U	U	3.0	5.2	1.8	3.1	U	U	U	U	U	U	0.77	1.3
Styrene	519.0	2210	U	U	14.3	60.9	0.11 J	0.47 J	1.3	5.5	2.8	12	0.73	3.1	0.73	3.1	0.21	0.89	0.21	0.89
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	7.1	35	U	U	0.24	1.2	U	U	U	U	0.10 J	0.49 J	0.12 J	0.59 J	U	U	1.4	6.9	U	U
1,3,5-Trimethylbenzene	33.9	167	U	U	0.67	3.3	U	U	U	U	0.17 J	0.84 J	U	U	U	U	0.61	3.0	U	U
2,2,4-Trimethylpentane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tertiary Butyl Alcohol	U	U	U	U	0.91	2.8	U	U	U	U	U	U	U	U	U	U	0.095 J	0.29 J	U	U
Tetrachloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.043	0.29
Tetrahydrofuran	4.6	14	U	U	0.23	0.68	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	213.0	803.0	0.22	0.83	8.9	34	0.30	1.1	2.5	9.4	1.5	5.7	0.74	2.8	0.69	2.6	0.44	1.7	0.49	1.8
Trichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	U	U	0.21	1.2	0.25	1.4	0.25	1.4	0.29	1.6	0.24	1.3	0.27	1.5	0.24	1.3	0.23	1.3	0.24	1.3
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	24.5	106	0.13 J	0.56 J	1.9	8.3	0.24	1.0	0.32	1.4	0.43	1.9	0.32	1.4	0.22	0.96	4.1	18	0.12 J	0.52 J
o-Xylene	11.7	50.8	U	U	0.87	3.8	0.10 J	0.43 J	0.13 J	0.56 J	0.18 J	0.78 J	0.13 J	0.56 J	0.10 J	0.43 J	1.6	6.9	U	U
Xylenes (total)	36.20	157	0.13 J	0.56 J	2.8	12	0.34	1.5	0.45	2.0	0.61	2.6	0.45	2.0	0.32	1.4	5.7	25	0.12 J	0.52 J

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 6: Validated Analytical Data Summary - VOCs
September 25 to 26, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0001-AA002-001		P0001-AA003-001	
Start Date - Time	9/25/12 - 10:10		9/25/12 - 10:15	
Stop Date - Time	9/26/12 - 10:15		9/26/12 - 10:17	
Matrix	Air		Air	
Units	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$
Volatile Organic Compound				
Acetone	12.8	30.4	15.8	37.5
1,3-Butadiene	U	U	U	U
Benzene	36.2	116	58.9	188
Bromodichloromethane	U	U	U	U
Bromoform	U	U	U	U
Bromomethane	U	U	U	U
Bromoethene	U	U	U	U
Benzyl Chloride	U	U	U	U
Carbon disulfide	U	U	U	U
Chlorobenzene	0.77	3.5	1.2	5.5
Chloroethane	0.93	2.5	0.86	2.3
Chloroform	U	U	U	U
Chloromethane	6.8	14	5.1	11
3-Chloropropene	U	U	U	U
2-Chlorotoluene	U	U	U	U
Carbon tetrachloride	U	U	U	U
Cyclohexane	U	U	U	U
1,1-Dichloroethane	U	U	U	U
1,1-Dichloroethylene	U	U	U	U
1,2-Dibromoethane	U	U	U	U
1,2-Dichloroethane	U	U	U	U
1,2-Dichloropropane	U	U	U	U
1,4-Dioxane	U	U	U	U
Dichlorodifluoromethane	0.50	2.5	0.53	2.6
Dibromochloromethane	U	U	U	U
trans-1,2-Dichloroethylene	U	U	U	U
cis-1,2-Dichloroethylene	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U
m-Dichlorobenzene	U	U	U	U
o-Dichlorobenzene	U	U	U	U
p-Dichlorobenzene	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U
Ethanol	2.2	4.1	2.5	4.7
Ethylbenzene	59.8	260	82.4	358

Notes:
U - non-detected compound
ppbv - parts per billion by volume
$\mu g/m^3$ - microgram per cubic meter

Table 6: Validated Analytical Data Summary - VOCs
September 25 to 26, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0001-AA002-001		P0001-AA003-001	
Start Date - Time	9/25/12 - 10:10		9/25/12 - 10:15	
Stop Date - Time	9/26/12 - 10:15		9/26/12 - 10:17	
Matrix	Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound				
Ethyl Acetate	1.2	4.3	1.6	5.8
4-Ethyltoluene	0.29	1.4	0.37	1.8
Freon 113	U	U	U	U
Freon 114	U	U	U	U
Heptane	1.1	4.5	1.4	5.7
Hexachlorobutadiene	U	U	U	U
Hexane	1.8	6.3	2.0	7.0
2-Hexanone	U	U	U	U
Isopropyl Alcohol	0.58	1.4	0.86	2.1
Methylene chloride	0.77	2.7	0.98	3.4
Methyl ethyl ketone	1.8	5.3	2.0	5.9
Methyl Isobutyl Ketone	0.39	1.6	0.68	2.8
Methyl Tert Butyl Ether	U	U	U	U
Methylmethacrylate	U	U	U	U
Propylene	23.0	39.5	31.4	53.9
Styrene	70.9	302	92.0	392.0
1,1,1-Trichloroethane	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U
1,2,4-Trimethylbenzene	0.75	3.7	1.4	6.9
1,3,5-Trimethylbenzene	2.9	14	6.0	29
2,2,4-Trimethylpentane	U	U	U	U
Tertiary Butyl Alcohol	U	U	U	U
Tetrachloroethylene	0.067	0.45	0.10	0.68
Tetrahydrofuran	1.1	3.2	1.2	3.5
Toluene	29.7	112	38.8	146
Trichloroethylene	U	U	U	U
Trichlorofluoromethane	0.26	1.5	0.31	1.7
Vinyl chloride	U	U	U	U
Vinyl Acetate	U	U	U	U
m,p-Xylene	3.2	14	5.5	24
o-Xylene	1.4	6.1	2.4	10
Xylenes (total)	4.5	20	7.9	34

Notes:
U - non-detected compound
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 7: Validated Analytical Data Summary - VOCs
September 29 to 30, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0001-AA004-092912-001		P0002-AA001-092912-001		P0003-AA001-092912-001		P0004-AA001-092912-001		P0005-AA001-092912-001		P0006-AA001-092912-001		P0007-AA001-092912-001		P0007-AA001-092912-002		P0008-AA001-092912-001		P0009-AA001-092912-001		P0010-AA001-092912-001		P0011-AA001-092912-001		TB-092912	
Start Date - Time	9/29/12 - 07:35		9/29/12 - 09:08		9/29/12 - 10:37		9/29/12 - 08:14		9/29/12 - 10:19		9/29/12 - 9:42		9/29/12 - 11:12		9/29/12 - 11:12		9/29/12 - 11:19		9/29/12 - 11:22		9/29/12 - 9/30/12		9/29/12 - 8:47		9/29/12 - 7:00	
Stop Date - Time	9/30/12 - 06:58		9/30/12 - 09:38		9/30/12 - 10:56		9/30/12 - 08:15		9/30/12 - 10:52		9/30/12 - 10:03		9/30/12 - 11:37		9/30/12 - 11:37		9/30/12 - 11:50		9/30/12 - 11:35		09:20 - 09:50		9/30/12 - 8:40		9/29/12 - 7:00	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																										
Acetone	1.8	4.3	2.8	6.7	4.9	12	U	U	3.9	9.3	2.2	5.2	7.7	18	2.0	4.8	2.1	5.0	6.8	16	0.31	0.74	1.2	2.9	0.42	1.0
1,3-Butadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	1.9	6.1	0.55	1.8	3.9	12	0.35	1.1	1.7	5.4	2.2	7.0	1.1	3.5	1.1	3.5	0.95	3.0	0.77	2.5	0.50	1.6	0.17 J	0.54 J	U	U
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	0.63	1.3	0.51	1.1	1.0	2.1	0.41	0.85	0.66	1.4	0.72	1.5	0.57	1.2	0.55	1.1	0.53	1.1	0.57	1.2	0.49	1.0	0.44	0.91	U	U
3-Chloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.12 J	0.41 J	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	0.50	2.5	0.54	2.7	0.52	2.6	0.52	2.6	0.52	2.6	0.53	2.6	0.52	2.6	0.53	2.6	0.59	2.9	0.53	2.6	0.57	2.8	0.57	2.8	U	U
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
o-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethanol	0.83	1.6	0.98	1.8	2.8	5.3	1.0	1.9	1.6	3.0	1.1	2.1	1.2	2.3	1.1	2.1	1.4	2.6	U	U	U	U	0.60	1.1	U	U
Ethylbenzene	2.7	12	0.64	2.8	6.1	26	0.18 J	0.78 J	2.7	12	3.2	14	1.5	6.5	1.6	6.9	1.1	4.8	0.95	4.1	0.55	2.4	0.16 J	0.69 J	U	U

Notes:

U - non-detected compound

J - estimated value

ppbv - parts per billion by volume

µg/m³ - microgram per cubic meter

Table 7: Validated Analytical Data Summary - VOCs
September 29 to 30, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0001-AA004-092912-001		P0002-AA001-092912-001		P0003-AA001-092912-001		P0004-AA001-092912-001		P0005-AA001-092912-001		P0006-AA001-092912-001		P0007-AA001-092912-001		P0007-AA001-092912-002		P0008-AA001-092912-001		P0009-AA001-092912-001		P0010-AA001-092912-001		P0011-AA001-092912-001		TB-092912	
Start Date - Time	9/29/12 - 07:35		9/29/12 - 09:08		9/29/12 - 10:37		9/29/12 - 08:14		9/29/12 - 10:19		9/29/12 - 9:42		9/29/12 - 11:12		9/29/12 - 11:12		9/29/12 - 11:19		9/29/12 - 11:22		9/29/12 - 9/30/12		9/29/12 - 8:47		9/29/12 - 7:00	
Stop Date - Time	9/30/12 - 06:58		9/30/12 - 09:38		9/30/12 - 10:56		9/30/12 - 08:15		9/30/12 - 10:52		9/30/12 - 10:03		9/30/12 - 11:37		9/30/12 - 11:37		9/30/12 - 11:50		9/30/12 - 11:35		09:20 - 09:50		9/30/12 - 8:40		9/29/12 - 7:00	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																										
Ethyl Acetate	0.48	1.7	1.1	4.0	1.4	5.0	0.33	1.2	0.26	0.94	0.82	3.0	0.27	0.97	0.26	0.94	0.48	1.7	U	U	U	U	U	U	U	U
4-Ethyltoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.13 J	0.64 J	U	U	U	U	U	U	U	U	U	U
Freon 113	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Freon 114	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Heptane	U	U	U	U	0.16 J	0.66 J	U	U	0.11 J	0.45 J	0.12 J	0.49 J	U	U	U	U	0.17 J	0.70 J	0.095 J	0.39 J	U	U	U	U	U	U
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexane	0.44	1.6	0.21	0.74	U	U	U	U	0.26	0.92	0.27	0.95	0.38	1.3	0.41	1.4	0.81	2.9	0.50	1.8	U	U	0.34	1.2	0.24	0.85
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropyl Alcohol	U	U	U	U	0.49	1.2	0.22	0.54	0.22	0.54	U	U	U	U	0.19	0.47 J	0.26	0.64	0.48	1.2	U	U	U	U	U	U
Methylene chloride	0.87	3.0	0.28	0.97	U	U	U	U	0.24	0.83	0.28	0.97	0.62	2.2	0.66	2.3	0.98	3.4	0.81	2.8	0.27	0.94	0.71	2.5	0.42	1.5
Methyl ethyl ketone	U	U	0.46	1.4	0.52	1.5	U	U	0.30	0.88	0.21	0.62	1.1	3.2	U	U	U	U	0.38	1.1	U	U	U	U	U	U
Methyl Isobutyl Ketone	U	U	U	U	U	U	U	U	0.34	1.4	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methyl Tert Butyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylmethacrylate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Propylene	1.7	2.9	0.78	1.3	3.2	5.5	0.67	1.2	1.6	2.7	2.0	3.4	1.2	2.1	1.1	1.9	0.89	1.5	0.96	1.6	0.69	1.2	U	U	U	U
Styrene	3.2 J	14 J	0.56 J	2.4 J	8.1 J	34 J	U	U	2.3 J	9.8 J	3.8 J	16 J	1.6 J	6.8 J	1.7 J	7.2 J	0.97 J	4.1 J	0.90 J	3.8 J	0.42 J	1.8 J	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	U	U	U	0.13 J	0.64 J	U	U	U	U	U	U	U	U	0.27	1.3	0.14 J	0.69 J	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	U	U	0.31	1.5	U	U	0.12 J	0.59 J	0.15 J	0.74 J	U	U	0.13 J	0.64 J	U	U	U	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.11 J	0.51 J	U	U	U	U	U	U	U	U
Tertiary Butyl Alcohol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethylene	0.035 J	0.24 J	U	U	U	U	U	U	0.18	1.2	U	U	U	U	0.14	0.95	U	U	U	U	U	U	U	U	U	U
Tetrahydrofuran	U	U	U	U	0.12 J	0.35 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.12 J	0.35 J	U	U	U	U
Toluene	1.7	6.4	0.64	2.4	4.5	17	0.39	1.5	1.9	7.2	2.1	7.9	1.1	4.1	1.3	4.9	1.5	5.7	0.81	3.1	0.50	1.9	0.21	0.79	U	U
Trichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	0.26	1.5	0.26	1.5	0.26	1.5	0.26	1.5	0.26	1.5	0.25	1.4	0.26	1.5	0.28	1.6	0.30	1.7	0.29	1.6	0.29	1.6	0.29	1.6	U	U
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	0.39	1.7	0.20	0.87	0.70	3.0	0.22	0.96	1.3	5.6	U	U	0.32	1.4	0.92	4.0	0.69	3.0	0.31	1.3	U	U	0.25	1.1	U	U
o-Xylene	0.18 J	0.78 J	U	U	0.28	1.2	U	U	0.30	1.3	0.21	0.91	0.15 J	0.65 J	0.42	1.8	0.26	1.1	0.12 J	0.52 J	U	U	0.11 J	0.48 J	U	U
Xylenes (total)	0.57	2.5	0.20	0.87	0.98	4.3	0.22	0.96	1.6	6.9	0.21	0.91	0.48	2.1	1.3	5.6	0.96	4.2	0.43	1.9	U	U	0.36	1.6	U	U

Notes:

U - non-detected compound

J - estimated value

ppbv - parts per billion by volume

µg/m³ - microgram per cubic meter

Table 8: Validated Analytical Data Summary - VOCs
September 30 to October 1, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-093012-001		P0004-AA001-093012-001		P0010-AA001-093012-001	
Start Date - Time	9/30/12 - 11:15		9/30/12 - 8:15		9/30/12 - 9:53	
Stop Date - Time	10/01/12 - 11:20		10/01/12 - 8:14		10/01/12 - 10:00	
Matrix	Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound						
Acetone	3.8	9.0	2.4	5.7	19.7	46.8
1,3-Butadiene	U	U	U	U	U	U
Benzene	U	U	U	U	0.31	0.99
Bromodichloromethane	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U
Bromoethene	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U
Carbon disulfide	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U
Chloromethane	0.39	0.81	0.39	0.81	0.51	1.1
3-Chloropropene	U	U	U	U	U	U
2-Chlorotoluene	U	U	U	U	U	U
Carbon tetrachloride	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U
Dichlorodifluoromethane	0.45	2.2	0.45	2.2	0.43	2.1
Dibromochloromethane	U	U	U	U	U	U
trans-1,2-Dichloroethylene	U	U	U	U	U	U
cis-1,2-Dichloroethylene	U	U	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U	U	U
m-Dichlorobenzene	U	U	U	U	U	U
o-Dichlorobenzene	U	U	U	U	U	U
p-Dichlorobenzene	U	U	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U	U	U
Ethanol	3.5	6.6	2.1	4.0	4.1	7.7
Ethylbenzene	U	U	U	U	0.39	1.7

Notes:
U - non-detected compound
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 8: Validated Analytical Data Summary - VOCs
September 30 to October 1, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-093012-001		P0004-AA001-093012-001		P0010-AA001-093012-001	
Start Date - Time	9/30/12 - 11:15		9/30/12 - 8:15		9/30/12 - 9:53	
Stop Date - Time	10/01/12 - 11:20		10/01/12 - 8:14		10/01/12 - 10:00	
Matrix	Air		Air		Air	
Units	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$
Volatile Organic Compound						
Ethyl Acetate	0.74	2.7	0.51	1.8	1.9	6.8
4-Ethyltoluene	U	U	U	U	U	U
Freon 113	0.18 J	1.4 J	U	U	U	U
Freon 114	U	U	U	U	U	U
Heptane	U	U	U	U	0.19 J	0.78 J
Hexachlorobutadiene	U	U	U	U	U	U
Hexane	2.0	7.0	0.46	1.6	0.71	2.5
2-Hexanone	U	U	U	U	0.33	1.3
Isopropyl Alcohol	0.63	1.5	0.42	1.0	0.84	2.1
Methylene chloride	4.0	14	0.77	2.7	1.1	3.8
Methyl ethyl ketone	U	U	U	U	17.4	51.3
Methyl Isobutyl Ketone	U	U	U	U	0.24	0.98
Methyl Tert Butyl Ether	U	U	U	U	U	U
Methylmethacrylate	U	U	U	U	U	U
Propylene	0.26 J	0.45 J	U	U	0.48 J	0.82 J
Styrene	U	U	U	U	0.45	1.9
1,1,1-Trichloroethane	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	U	U
Tertiary Butyl Alcohol	U	U	U	U	U	U
Tetrachloroethylene	U	U	U	U	0.16	1.1
Tetrahydrofuran	U	U	U	U	1.7	5.0
Toluene	0.14 J	0.53 J	0.16 J	0.60 J	0.37	1.4
Trichloroethylene	U	U	U	U	U	U
Trichlorofluoromethane	0.37	2.1	0.23	1.3	0.29	1.6
Vinyl chloride	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U
m,p-Xylene	U	U	U	U	U	U
o-Xylene	U	U	U	U	U	U
Xylenes (total)	U	U	U	U	U	U

Notes:
U - non-detected compound
ppbv - parts per billion by volume
$\mu g/m^3$ - microgram per cubic meter

Table 9: Validated Analytical Data Summary - VOCs
October 1 to 2, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0004-AA001-100112-001		P0010-AA001-100112-001	
Start Date - Time	10/01/12 - 8:16		10/01/12 - 8:18	
Stop Date - Time	10/02/12 - 10:10		10/02/12 - 10:15	
Matrix	Air		Air	
Units	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$
Volatile Organic Compound				
Acetone	2.7	6.4	4.0	9.5
1,3-Butadiene	U	U	U	U
Benzene	0.20	0.64	0.44	1.4
Bromodichloromethane	U	U	U	U
Bromoform	U	U	U	U
Bromomethane	U	U	U	U
Bromoethene	U	U	U	U
Benzyl Chloride	U	U	U	U
Carbon disulfide	U	U	U	U
Chlorobenzene	U	U	U	U
Chloroethane	U	U	U	U
Chloroform	U	U	U	U
Chloromethane	0.49	1.0	0.39	0.81
3-Chloropropene	U	U	U	U
2-Chlorotoluene	U	U	U	U
Carbon tetrachloride	U	U	U	U
Cyclohexane	U	U	U	U
1,1-Dichloroethane	U	U	U	U
1,1-Dichloroethylene	U	U	U	U
1,2-Dibromoethane	U	U	U	U
1,2-Dichloroethane	U	U	U	U
1,2-Dichloropropane	U	U	U	U
1,4-Dioxane	U	U	U	U
Dichlorodifluoromethane	0.46	2.3	0.44	2.2
Dibromochloromethane	U	U	U	U
trans-1,2-Dichloroethylene	U	U	U	U
cis-1,2-Dichloroethylene	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U
m-Dichlorobenzene	U	U	U	U
o-Dichlorobenzene	U	U	U	U
p-Dichlorobenzene	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U
Ethanol	2.0	3.8	2.6	4.9
Ethylbenzene	0.34	1.5	0.57	2.5

Notes:

U - non-detected compound

J - estimated value

ppbv - parts per billion by volume

$\mu g/m^3$ - microgram per cubic meter

Table 9: Validated Analytical Data Summary - VOCs
October 1 to 2, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0004-AA001-100112-001		P0010-AA001-100112-001	
Start Date - Time	10/01/12 - 8:16		10/01/12 - 8:18	
Stop Date - Time	10/02/12 - 10:10		10/02/12 - 10:15	
Matrix	Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound				
Ethyl Acetate	0.75	2.7	0.25	0.90
4-Ethyltoluene	U	U	U	U
Freon 113	U	U	U	U
Freon 114	U	U	U	U
Heptane	U	U	U	U
Hexachlorobutadiene	U	U	U	U
Hexane	1.3	4.6	1.2	4.2
2-Hexanone	U	U	U	U
Isopropyl Alcohol	0.24	0.59	0.63	1.5
Methylene chloride	2.2	7.6	1.9	6.6
Methyl ethyl ketone	0.15 J	0.44 J	0.76	2.2
Methyl Isobutyl Ketone	U	U	U	U
Methyl Tert Butyl Ether	U	U	U	U
Methylmethacrylate	U	U	U	U
Propylene	U	U	0.91	1.6
Styrene	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U
1,2,4-Trimethylbenzene	U	U	U	U
1,3,5-Trimethylbenzene	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U
Tertiary Butyl Alcohol	U	U	U	U
Tetrachloroethylene	U	U	U	U
Tetrahydrofuran	U	U	U	U
Toluene	0.37	1.4	0.49	1.8
Trichloroethylene	U	U	U	U
Trichlorofluoromethane	0.33	1.9	0.33	1.9
Vinyl chloride	U	U	U	U
Vinyl Acetate	U	U	U	U
m,p-Xylene	1.2	5.2	0.13 J	0.56 J
o-Xylene	0.81	3.5	U	U
Xylenes (total)	2.0	8.7	0.13 J	0.56 J

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 10: Validated Analytical Data Summary - VOCs
October 2 to 3, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-100212-001		P0003-AA001-100212-001		P0004-AA001-100212-001		P0005-AA001-100212-001		P0005-AA001-100212-002		P0006-AA001-100212-001		P0007-AA001-100212-001		P0008-AA001-100212-001		P0009-AA001-100212-001		P0010-AA001-100212-001		P0011-AA001-100212-001	
Start Date - Time	10/02/12 - 15:42		10/02/12 - 13:33		10/02/12 - 15:25		10/02/12 - 15:05		10/02/12 - 15:05		10/02/12 - 14:54		10/02/12 - 14:45		10/02/12 - 14:38		10/02/12 - 14:30		10/02/12 - 13:25		10/02/12 - 15:55	
Stop Date - Time	10/03/12 - 15:30		10/03/12 - 12:50		10/03/12 - 15:10		10/03/12 - 14:55		10/03/12 - 14:55		10/03/12 - 14:45		10/03/12 - 14:30		10/03/12 - 14:00		10/03/12 - 14:10		10/03/12 - 12:45		10/03/12 - 15:45	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																						
Acetone	3.8	9.0	5.6	13	2.9	6.9	4.4	10	4.2	10	4.3	10	3.6	8.6	3.3	7.8	3.8	9.0	3.7	8.8	3.8	9.0
1,3-Butadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	0.55	1.8	1.5	4.8	0.59	1.9	1.1	3.5	1.1	3.5	1.1	3.5	0.67	2.1	0.94	3.0	0.54	1.7	0.46	1.5	0.53	1.7
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	0.53	1.1	0.70	1.4	0.58	1.2	0.62	1.3	0.66	1.4	0.62	1.3	0.57	1.2	0.55	1.1	0.56	1.2	0.56	1.2	0.58	1.2
3-Chloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	0.49	2.4	0.50	2.5	0.48	2.4	0.50	2.5	0.48	2.4	0.50	2.5	0.50	2.5	0.50	2.5	0.49	2.4	0.49	2.4	0.49	2.4
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
o-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethanol	6.5	12	3.9	7.3	1.6	3.0	4.2	7.9	4.4	8.3	4.6	8.7	2.8	5.3	2.7	5.1	3.3	6.2	5.8	11	3.6	6.8
Ethylbenzene	0.73	3.2	2.6	11	0.74	3.2	1.8	7.8	1.8	7.8	1.7	7.4	0.99	4.3	1.3	5.6	0.70	3.0	0.52	2.3	0.44	1.9

Notes:
U - non-detected compound
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 10: Validated Analytical Data Summary - VOCs
October 2 to 3, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-100212-001		P0003-AA001-100212-001		P0004-AA001-100212-001		P0005-AA001-100212-001		P0005-AA001-100212-002		P0006-AA001-100212-001		P0007-AA001-100212-001		P0008-AA001-100212-001		P0009-AA001-100212-001		P0010-AA001-100212-001		P0011-AA001-100212-001	
Start Date - Time	10/02/12 - 15:42		10/02/12 - 13:33		10/02/12 - 15:25		10/02/12 - 15:05		10/02/12 - 15:05		10/02/12 - 14:54		10/02/12 - 14:45		10/02/12 - 14:38		10/02/12 - 14:30		10/02/12 - 13:25		10/02/12 - 15:55	
Stop Date - Time	10/03/12 - 15:30		10/03/12 - 12:50		10/03/12 - 15:10		10/03/12 - 14:55		10/03/12 - 14:55		10/03/12 - 14:45		10/03/12 - 14:30		10/03/12 - 14:00		10/03/12 - 14:10		10/03/12 - 12:45		10/03/12 - 15:45	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																						
Ethyl Acetate	1.5	5.4	3.1	11	1.6	5.8	3.9	14	1.7	6.1	3.1	11	3.4	12	4.2	15	2.7	9.7	3.9	14	7.9	28
4-Ethyltoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Freon 113	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.098 J	0.75 J
Freon 114	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Heptane	U	U	0.16 J	0.66 J	U	U	0.10 J	0.41 J	0.10 J	0.41 J	0.17 J	0.70 J	0.12 J	0.49 J	0.19 J	0.78 J	U	U	U	U	U	U
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexane	0.51	1.8	0.33	1.2	0.22	0.78	0.28	0.99	0.30	1.1	1.5	5.3	0.31	1.1	0.61	2.1	0.28	0.99	0.30	1.1	0.26	0.92
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropyl Alcohol	0.39	0.96	0.32	0.79	0.22	0.54	0.89	2.2	0.44	1.1	0.30	0.74	0.36	0.88	0.44	1.1	0.32	0.79	0.35	0.86	0.35	0.86
Methylene chloride	0.62	2.2	0.35	1.2	0.27	0.94	0.30	1.0	0.32	1.1	0.40	1.4	0.37	1.3	0.39	1.4	0.37	1.3	0.44	1.5	0.48	1.7
Methyl ethyl ketone	U	U	0.44	1.3	0.21	0.62	0.35	1.0	0.32	0.94	0.35	1.0	0.25	0.74	0.21	0.62	0.31	0.91	0.29	0.86	0.28	0.83
Methyl Isobutyl Ketone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methyl Tert Butyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.30	1.1	U	U	U	U	U	U
Methylmethacrylate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Propylene	U	U	2.1	3.6	U	U	1.6	2.7	2.8	4.8	3.6	6.2	1.2	2.1	1.3	2.2	1.1	1.9	U	U	1.1	1.9
Styrene	0.74	3.2	2.8	12	0.73	3.1	1.8	7.7	1.8	7.7	1.8	7.7	0.27	1.1	1.1	4.7	0.70	3.0	0.50	2.1	0.18 J	0.77 J
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	U	0.13 J	0.64 J	U	U	0.10 J	0.49 J	U	U	U	U	U	U	0.30	1.5	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	0.18 J	0.88 J	U	U	0.13 J	0.64 J	0.12 J	0.59 J	0.12 J	0.59 J	U	U	0.13 J	0.64 J	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.14 J	0.65 J	U	U	U	U	U	U
Tertiary Butyl Alcohol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.1	3.3	U	U	U	U	U	U
Tetrachloroethylene	U	U	U	U	U	U	0.073	0.50	U	U	U	U	U	U	U	U	U	U	U	U	0.050	0.34
Tetrahydrofuran	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	0.93	3.5	3.1	12	0.93	3.5	1.7	6.4	1.5	5.7	2.0	7.5	1.1	4.1	1.9	7.2	0.86	3.2	0.78	2.9	0.78	2.9
Trichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	0.32	1.8	0.26	1.5	0.24	1.3	0.25	1.4	0.24	1.3	0.28	1.6	0.26	1.5	0.25	1.4	0.25	1.4	0.26	1.5	0.29	1.6
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	0.23	1.0	0.51	2.2	0.27	1.2	0.30	1.3	0.28	1.2	0.35	1.5	1.3	5.6	1.1	4.8	0.25	1.1	0.20	0.87	0.10 J	0.43 J
o-Xylene	0.10 J	0.43 J	0.24	1.0	0.12 J	0.52 J	0.14	0.61 J	0.14 J	0.61 J	0.16 J	0.69 J	0.87	3.8	0.60	2.6	0.12 J	0.52 J	0.086 J	0.37 J	U	U
Xylenes (total)	0.33	1.4	0.75	3.3	0.39	1.7	0.45	2.0	0.42	1.8	0.51	2.2	2.2	9.6	1.7	7.4	0.37	1.6	0.29	1.3	0.10 J	0.43 J

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 11: Validated Analytical Data Summary - VOCs
October 3 to 4, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-100312-001		P0003-AA001-100312-001		P0004-AA001-100312-001		P0005-AA001-100312-001		P0006-AA001-100312-001		P0007-AA001-100312-001		P0008-AA001-100312-001		P0009-AA001-100312-001		P0010-AA001-100312-001		P0010-AA001-100312-002		P0011-AA001-100312-001		TB-100412	
Start Date - Time	10/03/12 - 15:35		10/03/12 - 14:00		10/03/12 - 15:15		10/03/12 - 15:00		10/03/12 - 14:50		10/03/12 - 14:35		10/03/12 - 14:05		10/03/12 - 14:15		10/03/12 - 14:25		10/03/12 - 14:25		10/03/12 - 15:50		10/04/12 - 12:30	
Stop Date - Time	10/04/12 - 14:20		10/04/12 - 15:00		10/04/12 - 14:00		10/04/12 - 13:40		10/04/12 - 13:25		10/04/12 - 13:15		10/04/12 - 12:35		10/04/12 - 12:45		10/04/12 - 12:55		10/04/12 - 12:55		10/04/12 - 14:35		10/04/12 - 12:30	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																								
Acetone	3.0	7.1	7.1	17	3.3	7.8	4.2	10	5.1	12	4.1	9.7	6.6	16	3.4	8.1	3.9	9.3	3.5	8.3	2.8	6.7	U	U
1,3-Butadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	0.11 J	0.35 J	3.7	12	0.15 J	0.48 J	2.1	6.7	1.5	4.8	0.44	1.4	0.48	1.5	0.40	1.3	0.22	0.70	0.26	0.83	U	U	U	U
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.51	1.6	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	0.45	0.93	0.66	1.4	0.36	0.74	0.49	1.0	0.45	0.93	0.42	0.87	0.47	0.97	0.48	0.99	0.45	0.93	0.44	0.91	0.43	0.89	U	U
3-Chloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	0.24	1.2	0.48	2.4	0.44	2.2	0.41	2.0	0.41	2.0	0.53	2.6	0.46	2.3	0.45	2.2	0.44	2.2	0.43	2.1	0.42	2.1	U	U
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
o-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethanol	3.3	6.2	24.5	46.2	8.2	15	3.0	5.7	3.2	6.0	10.4	19.6	15.4	29.0	2.9	5.5	2.9	5.5	2.8	5.3	2.2	4.1	2.2	4.1
Ethylbenzene	U	U	5.8	25	U	U	2.9	13	2.4	10	0.52	2.3	0.68	3.0	0.53	2.3	0.23	1.0	0.28	1.2	U	U	U	U

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 11: Validated Analytical Data Summary - VOCs
October 3 to 4, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-100312-001		P0003-AA001-100312-001		P0004-AA001-100312-001		P0005-AA001-100312-001		P0006-AA001-100312-001		P0007-AA001-100312-001		P0008-AA001-100312-001		P0009-AA001-100312-001		P0010-AA001-100312-001		P0010-AA001-100312-002		P0011-AA001-100312-001		TB-100412	
Start Date - Time	10/03/12 - 15:35		10/03/12 - 14:00		10/03/12 - 15:15		10/03/12 - 15:00		10/03/12 - 14:50		10/03/12 - 14:35		10/03/12 - 14:05		10/03/12 - 14:15		10/03/12 - 14:25		10/03/12 - 14:25		10/03/12 - 15:50		10/04/12 - 12:30	
Stop Date - Time	10/04/12 - 14:20		10/04/12 - 15:00		10/04/12 - 14:00		10/04/12 - 13:40		10/04/12 - 13:25		10/04/12 - 13:15		10/04/12 - 12:35		10/04/12 - 12:45		10/04/12 - 12:55		10/04/12 - 12:55		10/04/12 - 14:35		10/04/12 - 12:30	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																								
Ethyl Acetate	0.77	2.8	1.1	4.0	0.95	3.4	1.2	4.3	1.1	4.0	1.1	4.0	1.7	6.1	4.0	14	1.3	4.7	3.7	13	0.96	3.5	4.6	17
4-Ethyltoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Freon 113	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Freon 114	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Heptane	U	U	0.19 J	0.78 J	U	U	0.13 J	0.53 J	0.11 J	0.45 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexane	0.25	0.88	1.3	4.6	0.57	2.0	0.33	1.2	0.28	0.99	2.2	7.8	1.8	6.3	0.27	0.95	0.21	0.74	0.18 J	0.63 J	0.18 J	0.63 J	0.54	1.9
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropyl Alcohol	0.39	0.96	0.90	2.2	0.49	1.2	0.21	0.52	U	U	0.58	1.4	0.60	1.5	0.23	0.57	0.21	0.52	0.24	0.59	0.26	0.64	0.30	0.74
Methylene chloride	0.41	1.4	2.5	8.7	1.0	3.5	0.33	1.1	0.37	1.3	2.7	9.4	2.2	7.6	0.43	1.5	0.43	1.5	0.35	1.2	0.37	1.3	1.0	3.5
Methyl ethyl ketone	0.22	0.65	0.61	1.8	0.20	0.59	0.40	1.2	0.46	1.4	0.26	0.77	0.59	1.7	0.38	1.1	0.29	0.86	0.32	0.94	0.21	0.62	0.12 J	0.35 J
Methyl Isobutyl Ketone	U	U	0.13 J	0.53 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methyl Tert Butyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylmethacrylate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Propylene	U	U	2.9	5.0	0.47 J	0.81 J	1.6	2.7	1.3	2.2	0.74	1.3	0.77	1.3	0.72	1.2	U	U	U	U	0.46 J	0.79 J	U	U
Styrene	U	U	6.7	29	U	U	2.4	10	2.6	11	0.32	1.4	0.84	3.6	0.52	2.2	0.23	0.98	0.23	0.98	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	U	0.16 J	0.79 J	U	U	U	U	U	U	U	U	0.11 J	0.54 J	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	0.40	2.0	U	U	0.11 J	0.54 J	0.16 J	0.79 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tertiary Butyl Alcohol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrahydrofuran	U	U	0.12 J	0.35 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	0.22	0.83	5.0	19	0.30	1.1	2.6	9.8	1.9	7.2	0.70	2.6	0.90	3.4	0.73	2.8	0.33	1.2	0.62	2.3	0.15 J	0.57 J	0.83	3.1
Trichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	0.22	1.2	0.49	2.8	0.35	2.0	0.25	1.4	0.21	1.2	0.68	3.8	0.47	2.6	0.25	1.4	0.24	1.3	0.23	1.3	0.23	1.3	U	U
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	0.11 J	0.48 J	0.68	3.0	0.14 J	0.61 J	0.44	1.9	0.34	1.5	0.24	1.0	0.30	1.3	0.17 J	0.74 J	U	U	0.12 J	0.52 J	U	U	U	U
o-Xylene	U	U	0.29	1.3	U	U	0.19 J	0.83 J	0.13 J	0.56 J	U	U	0.11 J	0.48 J	U	U	U	U	U	U	U	U	U	U
Xylenes (total)	0.11 J	0.48 J	0.97	4.2	0.14 J	0.61 J	0.63	2.7	0.47	2.0	0.24	1.0	0.41	1.8	0.17 J	0.74 J	U	U	0.12 J	0.52 J	U	U	U	U

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 12: Validated Analytical Data Summary - VOCs
October 4 to 5, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-100412-001		P0003-AA001-100412-001		P0004-AA001-100412-001		P0005-AA001-100412-001		P0006-AA001-100412-001		P0007-AA001-100412-001		P0008-AA001-100412-001		P0009-AA001-100412-001		P0010-AA001-100412-001		P0011-AA001-100412-001		TB-100512	
Start Date - Time	10/04/12 - 14:25		10/04/12 - 15:05		10/04/12 - 14:05		10/04/12 - 13:45		10/04/12 - 13:30		10/04/12 - 13:20		10/04/12 - 14:20		10/04/12 - 12:50		10/04/12 - 13:00		10/04/12 - 14:40		10/04/12 - 12:30	
Stop Date - Time	10/05/12 - 13:10		10/05/12 - 13:30		10/05/12 - 13:00		10/05/12 - 12:40		10/05/12 - 12:45		10/05/12 - 12:35		10/05/12 - 12:05		10/05/12 - 12:10		10/05/12 - 12:20		10/05/12 - 13:20		10/04/12 - 12:30	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																						
Acetone	3.0	7.1	6.3	15	10.4	24.7	8.4	20	6.9	16	15.6	37.1	4.3	10	3.8	9.0	4.9	12	6.5	15	0.21	0.50
1,3-Butadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	0.38	1.2	3.6	12	0.38	1.2	1.1	3.5	1.0	3.2	0.52	1.7	0.33	1.1	0.18 J	0.58 J	0.13 J	0.42 J	U	U	U	U
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	0.32	0.66	0.55	1.1	0.41	0.85	0.48	0.99	0.45	0.93	0.43	0.89	0.48	0.99	0.42	0.87	0.47	0.97	0.50	1.0	U	U
3-Chloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	0.39	1.9	0.39	1.9	0.45	2.2	0.42	2.1	0.31	1.5	0.44	2.2	0.46	2.3	0.46	2.3	0.46	2.3	0.48	2.4	U	U
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
o-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U J	U J	U	U	U	U	U	U	U	U
p-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethanol	U	U	1.4 J	2.6 J	2.2 J	4.1 J	2.1 J	4.0 J	4.5 J	8.5 J	2.5 J	4.7 J	6.6	12	4.0	7.5	3.1	5.8	3.3	6.2	U	U
Ethylbenzene	0.38	1.7	2.9	13	0.43	1.9	1.3	5.6	1.3	5.6	U	U	0.37	1.6	0.17 J	0.74 J	U	U	U	U	U	U

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 12: Validated Analytical Data Summary - VOCs
October 4 to 5, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-100412-001		P0003-AA001-100412-001		P0004-AA001-100412-001		P0005-AA001-100412-001		P0006-AA001-100412-001		P0007-AA001-100412-001		P0008-AA001-100412-001		P0009-AA001-100412-001		P0010-AA001-100412-001		P0011-AA001-100412-001		TB-100512	
Start Date - Time	10/04/12 - 14:25		10/04/12 - 15:05		10/04/12 - 14:05		10/04/12 - 13:45		10/04/12 - 13:30		10/04/12 - 13:20		10/04/12 - 14:20		10/04/12 - 12:50		10/04/12 - 13:00		10/04/12 - 14:40		10/04/12 - 12:30	
Stop Date - Time	10/05/12 - 13:10		10/05/12 - 13:30		10/05/12 - 13:00		10/05/12 - 12:40		10/05/12 - 12:45		10/05/12 - 12:35		10/05/12 - 12:05		10/05/12 - 12:10		10/05/12 - 12:20		10/05/12 - 13:20		10/04/12 - 12:30	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																						
Ethyl Acetate	U	U	1.5	5.4	0.79	2.8	0.43	1.5	0.47	1.7	3.7	13	1.6	5.8	1.6	5.8	3.4	12	1.6	5.8	U	U
4-Ethyltoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Freon 113	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Freon 114	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Heptane	U	U	0.16 J	0.66 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexane	0.34	1.2	0.42	1.5	0.42	1.5	0.20	0.70	0.17 J	0.60 J	0.69	2.4	0.49	1.7	0.25	0.88	0.21	0.74	0.28	0.99	0.11 J	0.39 J
2-Hexanone	U	U	U	U	0.29	1.2	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropyl Alcohol	U	U	U	U	0.62	1.5	U	U	0.38	0.93	2.7	6.6	0.44	1.1	0.51	1.3	0.40	0.98	0.37	0.91	U	U
Methylene chloride	0.44 J	1.5 J	0.66 J	2.3 J	0.57 J	2.0 J	0.23 J	0.80 J	0.24 J	0.83 J	0.39 J	1.4 J	0.79	2.7	0.43	1.5	0.31	1.1	0.63	2.2	0.39	1.4
Methyl ethyl ketone	0.30	0.88	1.0	2.9	1.4	4.1	0.58	1.7	0.73	2.2	1.1	3.2	0.35	1.0	0.33	0.97	0.36	1.1	0.72	2.1	U	U
Methyl Isobutyl Ketone	U	U	0.16 J	0.66 J	0.15 J	0.61 J	U	U	0.14 J	0.57 J	U	U	U	U	U	U	U	U	U	U	U	U
Methyl Tert Butyl Ether	0.19 J	0.69 J	U	U	0.30	1.1	U	U	U	U	0.88	3.2	U	U	U	U	U	U	U	U	U	U
Methylmethacrylate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Propylene	0.31 J	0.53 J	1.4	2.4	0.38 J	0.65 J	1.0	1.7	U	U	0.59	1.0	0.52	0.89	U	U	U	U	U	U	U	U
Styrene	U	U	2.0	8.5	U	U	1.5	6.4	1.6	6.8	U	U	0.50	2.1	0.22	0.94	U	U	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	0.11 J	0.54 J	U	U	U	U	U	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.12 J	0.56 J	U	U	U	U	U	U
Tertiary Butyl Alcohol	0.27 J	0.82 J	U	U	0.72 J	2.2 J	0.11 J	0.33 J	U	U	0.74 J	2.2 J	U	U	U	U	U	U	U	U	U	U
Tetrachloroethylene	U	U	0.083	0.56	U	U	0.024 J	0.16 J	U	U	U	U	0.060	0.41	U	U	U	U	U	U	U	U
Tetrahydrofuran	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	0.43	1.6	4.3	16	0.51	1.9	1.1	4.1	1.1	4.1	U	U	0.59	2.2	0.35	1.3	0.32	1.2	0.27	1.0	U	U
Trichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	0.20	1.1	0.22	1.2	0.24	1.3	0.22	1.2	0.21	1.2	0.24	1.3	0.38	2.1	0.26	1.5	0.26	1.5	0.24	1.3	U	U
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	0.94	4.1	0.37	1.6	1.1	4.8	0.23	1.0	0.26	1.1	U	U	0.22	0.96	U	U	U	U	0.17 J	0.74 J	U	U
o-Xylene	0.54	2.3	0.12 J	0.52 J	0.72	3.1	U	U	0.14 J	0.61 J	U	U	U	U	U	U	U	U	U	U	U	U
Xylenes (total)	1.5	6.5	0.49	2.1	1.8	7.8	0.23	1.0	0.40	1.7	U	U	0.22	0.96	U	U	U	U	0.17 J	0.74 J	U	U

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 13: Validated Analytical Data Summary - VOCs
October 5 to 6, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-100512-001		P0003-AA001-100512-001		P0004-AA001-100512-001		P0005-AA001-100512-001		P0005-AA001-100512-002		P0006-AA001-100512-001		P0007-AA001-100512-001		P0008-AA001-100512-001		P0009-AA001-100512-001		P0010-AA001-100512-001		P0011-AA001-100512-001		TB-100612	
Start Date - Time	10/05/12 - 15:00		10/05/12 - 14:05		10/05/12 - 14:55		10/05/12 - 14:40		10/05/12 - 14:40		10/05/12 - 14:10		10/05/12 - 14:35		10/05/12 - 14:15		10/05/12 - 14:25		10/05/12 - 14:30		10/05/12 - 15:05		10/05/12 - 15:00	
Stop Date - Time	10/06/12 - 13:15		10/06/12 - 13:25		10/06/12 - 14:40		10/06/12 - 14:20		10/06/12 - 14:20		10/06/12 - 11:15		10/06/12 - 14:10		10/06/12 - 13:40		10/06/12 - 13:50		10/06/12 - 14:00		10/06/12 - 15:15		10/06/12 - 15:00	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	ug/m³	ppbv	ug/m³	ppbv	ug/m³	ppbv	ug/m³	ppbv	ug/m³	ppbv	ug/m³	ppbv	ug/m³	ppbv	ug/m³	ppbv	ug/m³
Volatile Organic Compound																								
Chlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Propylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methanol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-Butadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethanol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Bromide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acetone	5.5	13.0	4.8	11.3	4.2	9.9	U	U	4.1	9.7	3.7	8.8	U	U	6.4	15.1	4.5	10.8	U	U	U	U	U	U
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropyl Alcohol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acrylonitrile	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Allyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon Disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.1	3.4	U	U
Trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
MTBE	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone (MEK)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrahydrofuran	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U

Notes:

U - non-detected compound

ppbv - parts per billion by volume

µg/m³ - microgram per cubic meter

Table 13: Validated Analytical Data Summary - VOCs
October 5 to 6, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-100512-001		P0003-AA001-100512-001		P0004-AA001-100512-001		P0005-AA001-100512-001		P0005-AA001-100512-002		P0006-AA001-100512-001		P0007-AA001-100512-001		P0008-AA001-100512-001		P0009-AA001-100512-001		P0010-AA001-100512-001		P0011-AA001-100512-001		TB-100612	
Start Date - Time	10/05/12 - 15:00		10/05/12 - 14:05		10/05/12 - 14:55		10/05/12 - 14:40		10/05/12 - 14:40		10/05/12 - 14:10		10/05/12 - 14:35		10/05/12 - 14:15		10/05/12 - 14:25		10/05/12 - 14:30		10/05/12 - 15:05		10/05/12 - 15:00	
Stop Date - Time	10/06/12 - 13:15		10/06/12 - 13:25		10/06/12 - 14:40		10/06/12 - 14:20		10/06/12 - 14:20		10/06/12 - 11:15		10/06/12 - 14:10		10/06/12 - 13:40		10/06/12 - 13:50		10/06/12 - 14:00		10/06/12 - 15:15		10/06/12 - 15:00	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	ug/m³	ppbv	ug/m³	ppbv	ug/m³	ppbv	ug/m³	ppbv	ug/m³	ppbv	ug/m³	ppbv	ug/m³	ppbv	ug/m³	ppbv	ug/m³
Volatile Organic Compound																								
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.1	3.4	U	U	U	U	U	U	U	U
Carbon Tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Heptane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Methyl-2-Pentanone (MIBK)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	U	U	2.1	8.0	U	U	U	U	U	U	U	U	U	U	1.6	5.9	U	U	U	U	2.2	8.4	U	U
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.0	4.4	U	U	U	U	U	U	U	U
M- & P-Xylenes	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Styrene	U	U	U	U	U	U	U	U	U	U	1.7	7.2	U	U	1.3	5.6	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
O-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Ethyltoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - non-detected compound
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 14: Validated Analytical Data Summary - VOCs
October 6 to 7, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-100612-001		P003-AA001-100612-001		P004-AA001-100612-001		P0005-AA001-100612-001		P006-AA001-100612-001		P007-AA001-100612-001		P0008-AA001-100612-001		P009-AA001-100612-001		P010-AA001-100612-001		P0011-AA001-100612-001	
Start Date - Time	10/06/12 - 15:00		10/06/12 - 13:30		10/06/12 - 12:45		10/06/12 - 14:25		10/06/12 - 13:35		10/06/12 - 14:15		10/06/12 - 13:45		10/06/12 - 13:45		10/06/12 - 14:05		10/06/12 - 15:10	
Stop Date - Time	10/07/12 - 12:50		10/07/12 - 12:10		10/07/12 - 13:10		10/07/12 - 13:45		10/07/12 - 12:20		10/07/12 - 13:30		10/07/12 - 12:30		10/07/12 - 12:30		10/07/12 - 12:50		10/07/12 - 10:53	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3
Volatile Organic Compound																				
Chlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Propylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methanol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	32.9	43.2
1,3-Butadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethanol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	8.5	16.0
Vinyl Bromide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acetone	U	U	U	U	U	U	6.6	15.7	U	U	U	U	U	U	U	U	6.0	14.3	5.4	12.8
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropyl Alcohol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5.0	12.2
Acrylonitrile	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Allyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon Disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
MTBE	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone (MEK)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.6	5.9	U	U
Tetrahydrofuran	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U

Notes:

U - non-detected compound

ppbv - parts per billion by volume

µg/m^3 - microgram per cubic meter

Table 14: Validated Analytical Data Summary - VOCs
October 6 to 7, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-100612-001		P003-AA001-100612-001		P004-AA001-100612-001		P0005-AA001-100612-001		P006-AA001-100612-001		P007-AA001-100612-001		P0008-AA001-100612-001		P009-AA001-100612-001		P010-AA001-100612-001		P0011-AA001-100612-001	
Start Date - Time	10/06/12 - 15:00		10/06/12 - 13:30		10/06/12 - 12:45		10/06/12 - 14:25		10/06/12 - 13:35		10/06/12 - 14:15		10/06/12 - 13:45		10/06/12 - 13:45		10/06/12 - 14:05		10/06/12 - 15:10	
Stop Date - Time	10/07/12 - 12:50		10/07/12 - 12:10		10/07/12 - 13:10		10/07/12 - 13:45		10/07/12 - 12:20		10/07/12 - 13:30		10/07/12 - 12:30		10/07/12 - 12:30		10/07/12 - 12:50		10/07/12 - 10:53	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3
Volatile Organic Compound																				
Benzene	U	U	1.3	4.3	U	U	U	U	U	U	U	U	1.0	3.2	U	U	U	U	U	U
Carbon Tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Heptane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Methyl-2-Pentanone (MIBK)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	U	U	2.1	7.8	U	U	U	U	U	U	U	U	1.2	4.4	U	U	U	U	U	U
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	U	U	1.4	6.3	U	U	U	U	U	U	U	U	0.9	4.1	U	U	U	U	U	U
M- & P-Xylenes	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Styrene	U	U	1.7	7.2	U	U	U	U	U	U	U	U	1.0	4.1	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
O-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Ethyltoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U

Notes:

U - non-detected compound

ppbv - parts per billion by volume

µg/m^3 - microgram per cubic meter

Table 15: Validated Analytical Data Summary - VOCs
October 7 to 8, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-100712-001		P003-AA001-100712-001		P004-AA001-100712-001		P0005-AA001-100712-001		P0005-AA001-100712-002		P0006-AA001-100712-001		P0007-AA001-100712-001		P008-AA001-100712-001		P009-AA001-100712-001		P0010-AA001-100712-001		P0011-AA001-100712-001	
Start Date - Time	10/07/12 - 14:00		10/07/12 - 12:15		10/07/12 - 13:15		10/07/12 - 13:50		10/07/12 - 13:50		10/07/12 - 12:25		10/07/12 - 13:35		10/07/12 - 12:35		10/07/12 - 12:45		10/07/12 - 12:55		10/07/12 - 14:10	
Stop Date - Time	10/08/12 - 6:35		10/08/12 - 12:04		10/08/12 - 12:33		10/08/12 - 13:09		10/08/12 - 13:09		10/08/12 - 12:23		10/08/12 - 13:05		10/08/12 - 12:45		10/08/12 - 12:52		10/08/12 - 12:57		10/08/12 - 13:16	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3
Volatile Organic Compound																						
Chlorodifluoromethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Propylene	U	U	4.1 J	7.0 J	U	U	2.0	3.4	1.9	3.3	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Chloromethane	U	U	0.8 J	1.6 J	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Vinyl Chloride	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Methanol	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,3-Butadiene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Bromomethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Chloroethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Dichlorofluoromethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Ethanol	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Vinyl Bromide	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Acetone	U	U	3.8 J	9.1 J	U	U	2.7	6.5	3.0	7.0	U	U	5.5 J	13.1 J	U	U	5.0	11.9	U	U	U	U
Trichlorofluoromethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Isopropyl Alcohol	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Acrylonitrile	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Methylene Chloride	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Allyl Chloride	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Carbon Disulfide	U	U	UJ	UJ	U	U	U	U	U	U	U	U	3.2 J	9.9 J	U	U	U	U	U	U	U	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Trans-1,2-Dichloroethylene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
MTBE	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
2-Butanone (MEK)	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Hexane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Chloroform	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Ethyl Acetate	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Tetrahydrofuran	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m^3 - microgram per cubic meter

Table 15: Validated Analytical Data Summary - VOCs
October 7 to 8, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-100712-001		P003-AA001-100712-001		P004-AA001-100712-001		P0005-AA001-100712-001		P0005-AA001-100712-002		P0006-AA001-100712-001		P0007-AA001-100712-001		P008-AA001-100712-001		P009-AA001-100712-001		P0010-AA001-100712-001		P0011-AA001-100712-001	
Start Date - Time	10/07/12 - 14:00		10/07/12 - 12:15		10/07/12 - 13:15		10/07/12 - 13:50		10/07/12 - 13:50		10/07/12 - 12:25		10/07/12 - 13:35		10/07/12 - 12:35		10/07/12 - 12:45		10/07/12 - 12:55		10/07/12 - 14:10	
Stop Date - Time	10/08/12 - 6:35		10/08/12 - 12:04		10/08/12 - 12:33		10/08/12 - 13:09		10/08/12 - 13:09		10/08/12 - 12:23		10/08/12 - 13:05		10/08/12 - 12:45		10/08/12 - 12:52		10/08/12 - 12:57		10/08/12 - 13:16	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3
Volatile Organic Compound																						
Benzene	U	U	4.0 J	12.8 J	U	U	1.8	5.8	1.8	5.8	1.1	3.5	UJ	UJ	U	U	U	U	U	U	U	U
Carbon Tetrachloride	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Cyclohexane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Bromodichloromethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Trichloroethene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Heptane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Cis-1,3-Dichloropropene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
4-Methyl-2-Pentanone (MIBK)	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Trans-1,3-Dichloropropene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Toluene	U	U	4.4 J	16.4 J	U	U	2.0	7.4	2.0	7.5	1.2	4.4	UJ	UJ	0.9	3.3	U	U	U	U	U	U
2-Hexanone	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Dibromochloromethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Tetrachloroethylene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Chlorobenzene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Ethylbenzene	U	U	4.5 J	19.4 J	U	U	2.0	8.7	2.0	8.6	1.2	5.1	UJ	UJ	U	U	U	U	U	U	U	U
M- & P-Xylenes	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Bromoform	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Styrene	U	U	5.9 J	25.2 J	U	U	2.7	11.4	2.5	10.7	1.6	6.6	UJ	UJ	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
O-Xylene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
4-Ethyltoluene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,3-Dichlorobenzene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Hexachlorobutadiene	U	U	UJ	UJ	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m^3 - microgram per cubic meter

Table 16: Validated Analytical Data Summary - VOCs
October 8 to 9, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-100812-001		P0003-AA001-100812-001		P0004-AA001-100812-001		P0005-AA001-100812-001		P0006-AA001-100812-001		P0007-AA001-100812-001		P0008-AA001-100812-001		P0009-AA001-100812-001		P0010-AA001-100812-001		P0011-AA001-100812-001		TB-100812	
Start Date - Time	10/08/12 - 13:31		10/08/12 - 12:08		10/08/12 - 12:36		10/08/12 - 13:37		10/08/12 - 12:25		10/08/12 - 13:43		10/08/12 - 12:48		10/08/12 - 12:54		10/08/12 - 13:00		10/08/12 - 13:18		10/08/12 - 15:00	
Stop Date - Time	10/09/12 - 13:00		10/09/12 - 11:15		10/09/12 - 12:25		10/09/12 - 12:41		10/09/12 - 11:37		10/09/12 - 11:42		10/09/12 - 9:41		10/09/12 - 13:08		10/09/12 - 12:56		10/09/12 - 12:42		10/08/12 - 15:00	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3
Volatile Organic Compound																						
Chlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Propylene	U	U	4.7	8.0	U	U	2.4	4.1	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Chloromethane	U	U	0.8	1.7	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Vinyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Methanol	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,3-Butadiene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Dichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Ethanol	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Vinyl Bromide	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Acetone	U	U	5.1	12.1	U	U	3.8	9.0	4.0	9.4	3.2	7.7	UJ	UJ	U	U	U	U	U	U	U	U
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Isopropyl Alcohol	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Acrylonitrile	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Methylene Chloride	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Allyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Carbon Disulfide	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
MTBE	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
2-Butanone (MEK)	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Hexane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Ethyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Tetrahydrofuran	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U

Notes:

U - non-detected compound

J - estimated value

ppbv - parts per billion by volume

µg/m^3 - microgram per cubic meter

Table 16: Validated Analytical Data Summary - VOCs
October 8 to 9, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-100812-001		P0003-AA001-100812-001		P0004-AA001-100812-001		P0005-AA001-100812-001		P0006-AA001-100812-001		P0007-AA001-100812-001		P0008-AA001-100812-001		P0009-AA001-100812-001		P0010-AA001-100812-001		P0011-AA001-100812-001		TB-100812	
Start Date - Time	10/08/12 - 13:31		10/08/12 - 12:08		10/08/12 - 12:36		10/08/12 - 13:37		10/08/12 - 12:25		10/08/12 - 13:43		10/08/12 - 12:48		10/08/12 - 12:54		10/08/12 - 13:00		10/08/12 - 13:18		10/08/12 - 15:00	
Stop Date - Time	10/09/12 - 13:00		10/09/12 - 11:15		10/09/12 - 12:25		10/09/12 - 12:41		10/09/12 - 11:37		10/09/12 - 11:42		10/09/12 - 9:41		10/09/12 - 13:08		10/09/12 - 12:56		10/09/12 - 12:42		10/08/12 - 15:00	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3
Volatile Organic Compound																						
Benzene	U	U	4.7	15.0	U	U	2.2	7.1	1.0	3.1	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Carbon Tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Trichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Heptane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
4-Methyl-2-Pentanone (MIBK)	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Toluene	U	U	5.6	21.1	6.1	22.8	2.6	9.9	1.2	4.6	U	U	0.8 J	2.8 J	U	U	U	U	U	U	U	U
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Tetrachloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Ethylbenzene	U	U	5.5	23.8	U	U	2.5	10.8	1.0	4.4	U	U	UJ	UJ	U	U	U	U	U	U	U	U
M- & P-Xylenes	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Styrene	U	U	7.5	32.0	U	U	3.4	14.7	1.2	5.2	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
O-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
4-Ethyltoluene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U

Notes:

U - non-detected compound

J - estimated value

ppbv - parts per billion by volume

µg/m^3 - microgram per cubic meter

Table 17A: Validated Analytical Data Summary - VOCs
October 9 to10, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0006-AA001-100912-001		P0007-AA001-100912-001		P0008-AA001-100912-001		P0009-AA001-100912-001		P0011-AA001-100912-001		P0011-AA001-100912-002	
Start Date - Time	10/09/12 - 13:12		10/09/12 - 13:00		10/09/12 - 13:04		10/09/12 - 13:08		10/09/12 - 12:44		10/09/12 - 12:44	
Stop Date - Time	10/10/12 - 11:47		10/10/12 - 09:51		10/10/12 - 06:41		10/10/12 - 09:48		10/10/12 - 10:58		10/10/12 - 10:58	
Matrix	Air		Air		Air		Air		Air		Air	
Units	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3
Volatile Organic Compound												
Chlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U
Propylene	2.2	3.7	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U
Methanol	U	U	U	U	U	U	U	U	U	U	U	U
1,3-Butadiene	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U
Ethanol	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Bromide	U	U	U	U	U	U	U	U	U	U	U	U
Acetone	4.1	9.7	3.0	7.1	2.8	6.5	3.2	7.5	3.8	9.0	4.5	10.8
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U
Isopropyl Alcohol	U	U	U	U	U	U	U	U	U	U	U	U
Acrylonitrile	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U
Methylene Chloride	U	U	U	U	U	U	U	U	U	U	U	U
Allyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U
Carbon Disulfide	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	U	U	U	U	U	U	U	U	U	U	U	U
Trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U
MTBE	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone (MEK)	U	U	U	U	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U
Hexane	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U
Ethyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U
Tetrahydrofuran	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - non-detected compound
ppbv - parts per billion by volume
µg/m^3 - microgram per cubic meter

Table 17A: Validated Analytical Data Summary - VOCs
October 9 to10, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0006-AA001-100912-001		P0007-AA001-100912-001		P0008-AA001-100912-001		P0009-AA001-100912-001		P0011-AA001-100912-001		P0011-AA001-100912-002	
Start Date - Time	10/09/12 - 13:12		10/09/12 - 13:00		10/09/12 - 13:04		10/09/12 - 13:08		10/09/12 - 12:44		10/09/12 - 12:44	
Stop Date - Time	10/10/12 - 11:47		10/10/12 - 09:51		10/10/12 - 06:41		10/10/12 - 09:48		10/10/12 - 10:58		10/10/12 - 10:58	
Matrix	Air		Air		Air		Air		Air		Air	
Units	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3
Volatile Organic Compound												
Benzene	2.1	6.7	1.1	3.6	0.9	2.8	U	U	U	U	U	U
Carbon Tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	U	U	U	U	U	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	U	U	U	U	U	U	U	U
Heptane	U	U	U	U	U	U	U	U	U	U	U	U
Cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U
4-Methyl-2-Pentanone (MIBK)	U	U	U	U	U	U	U	U	U	U	U	U
Trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	2.3	8.5	1.6	5.9	1.3	5.0	0.8	3.1	U	U	U	U
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethylene	U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	2.3	9.8	1.1	4.8	0.8	3.6	U	U	U	U	U	U
M- & P-Xylenes	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U
Styrene	3.1	13.1	1.5	6.5	1.2	5.2	0.8	3.6	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U
O-Xylene	U	U	U	U	U	U	U	U	U	U	U	U
4-Ethyltoluene	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - non-detected compound
ppbv - parts per billion by volume
µg/m^3 - microgram per cubic meter

Table 17B: Validated Analytical Data Summary - VOCs
October 9 to 10, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-100912-001		P0003-AA001-100912-001		P0004-AA001-100912-001		P0005-AA001-100912-001		P0010-AA001-100912-001	
Start Date - Time	10/09/12 - 13:00		10/09/12 - 13:15		10/09/12 - 12:26		10/09/12 - 12:35		10/09/12 - 12:57	
Stop Date - Time	10/10/12 - 11:47		10/10/12 - 12:26		10/10/12 - 12:47		10/10/12 - 11:40		10/10/12 - 11:26	
Matrix	Air		Air		Air		Air		Air	
Units	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3
Volatile Organic Compound										
Acetone	3.2	7.6	7.4	18	3.7	8.8	4.9	12	5.2	12
1,3-Butadiene	U	U	U	U	U	U	U	U	U	U
Benzene	0.15 J	0.48 J	2.5	8.0	0.52	1.7	1.2	3.8	0.16 J	0.51 J
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U
Bromoethene	U	U	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U
Chloromethane	0.39	0.81	0.78	1.6	0.44	0.91	0.59	1.2	0.40	0.83
3-Chloropropene	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	0.45	2.2	0.44	2.2	0.48	2.4	0.47	2.3	0.45	2.2
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U
m-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U
o-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U
p-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U
Ethanol	2.0	3.8	7.8	15	3.2	6.0	3.4	6.4	3.6	6.8
Ethylbenzene	0.10 J	0.43 J	3.2	14	0.20	0.87	1.2	5.2	U	U

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m^3 - microgram per cubic meter

Table 17B: Validated Analytical Data Summary - VOCs
October 9 to 10, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-100912-001		P0003-AA001-100912-001		P0004-AA001-100912-001		P0005-AA001-100912-001		P0010-AA001-100912-001	
Start Date - Time	10/09/12 - 13:00		10/09/12 - 13:15		10/09/12 - 12:26		10/09/12 - 12:35		10/09/12 - 12:57	
Stop Date - Time	10/10/12 - 11:47		10/10/12 - 12:26		10/10/12 - 12:47		10/10/12 - 11:40		10/10/12 - 11:26	
Matrix	Air		Air		Air		Air		Air	
Units	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	ug/m^3
Volatile Organic Compound										
Ethyl Acetate	0.29	1.0	6.8	24	1.3	4.7	0.23	0.83	U	U
4-Ethyltoluene	U	U	U	U	U	U	U	U	U	U
Freon 113	U	U	U	U	U	U	U	U	U	U
Freon 114	U	U	U	U	U	U	U	U	U	U
Heptane	U	U	0.13 J	0.53 J	U	U	U	U	U	U
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U
Hexane	0.19 J	0.67 J	0.36	1.3	0.44	1.6	0.33	1.2	0.23	0.81
2-Hexanone	U	U	U	U	U	U	U	U	U	U
Isopropyl Alcohol	U	U	0.39	0.96	0.24	0.59	0.21	0.52	0.34	0.84
Methylene chloride	0.55	1.9	0.74	2.6	0.56	1.9	0.70	2.4	0.61	2.1
Methyl ethyl ketone	0.30	0.88	1.1	3.2	0.27	0.80	0.46	1.4	0.34	1.0
Methyl Isobutyl Ketone	U	U	0.10 J	0.41 J	U	U	U	U	U	U
Methyl Tert Butyl Ether	U	U	U	U	0.22	0.79	U	U	U	U
Methylmethacrylate	U	U	U	U	U	U	U	U	U	U
Propylene	U	U	2.9	5.0	U	U	1.8	3.1	U	U
Styrene	U	U	5.8	25	U	U	2.0	8.5	U	U
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	0.11 J	0.54 J	0.12 J	0.59 J	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	0.25	1.2	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	U	U	U	U	U	U
Tertiary Butyl Alcohol	U	U	U	U	0.53	1.6	U	U	U	U
Tetrachloroethylene	U	U	0.040	0.27	U	U	U	U	U	U
Tetrahydrofuran	U	U	U	U	U	U	U	U	U	U
Toluene	0.58	2.2	3.9	15	1.0	3.8	1.9	7.2	0.52	2.0
Trichloroethylene	U	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	0.22	1.2	0.24	1.3	0.24	1.3	0.26	1.5	0.25	1.4
Vinyl chloride	U	U	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	0.26	1.1	0.61	2.6	0.35	1.5	0.26	1.1	U	U
o-Xylene	0.11 J	0.48 J	0.24	1.0	0.16 J	0.69 J	0.10 J	0.43 J	U	U
Xylenes (total)	0.37	1.6	0.85	3.7	0.51	2.2	0.36	1.6	U	U

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m^3 - microgram per cubic meter

Table 18: Validated Analytical Data Summary - VOCs
October 10 to 11, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-101012-001		P0003-AA001-101012-001		P0004-AA001-101012-001		P0005-AA001-101012-001		P0006-AA001-101012-001		P0007-AA001-101012-001		P0008-AA001-101012-001		P0009-AA001-101012-001		P0010-AA001-101012-001		P0011-AA001-101012-001		TB-101012	
Start Date - Time	10/10/12 - 12:11		10/10/12 - 12:26		10/10/12 - 12:46		10/10/12 - 11:47		10/10/12 - 12:27		10/10/12 - 12:37		10/10/12 - 12:30		10/10/12 - 12:33		10/10/12 - 12:34		10/10/12 - 12:04		10/10/12 - 15:00	
Stop Date - Time	10/11/12 - 12:31		10/11/12 - 11:54		10/11/12 - 12:06		10/11/12 - 12:56		10/11/12 - 12:44		10/11/12 - 13:27		10/11/12 - 13:14		10/11/12 - 13:40		10/11/12 - 13:21		10/11/12 - 12:16		10/10/12 - 15:00	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$
Volatile Organic Compound																						
Acetone	1.4	3.3	2.2	5.2	8.5	20	1.2	2.9	3.7	8.8	8.7	21	2.0	4.8	2.3	5.5	1.9	4.5	1.4	3.3	U	U
1,3-Butadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	U	U	0.43	1.4	0.14 J	0.45 J	0.21	0.67	0.39	1.2	0.29	0.93	0.73	2.3	0.38	1.2	0.41	1.3	U	U	U	U
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	0.43	0.89	0.48	0.99	0.52	1.1	0.46	0.95	0.51	1.1	0.52	1.1	0.53	1.1	0.55	1.1	0.53	1.1	0.47	0.97	U	U
3-Chloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U	U	U	U	U	0.10 J	0.34 J	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	0.45	2.2	0.49	2.4	0.54	2.7	0.52	2.6	0.51	2.5	0.49	2.4	0.50	2.5	0.53	2.6	0.52	2.6	0.52	2.6	U	U
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
o-Dichlorobenzene	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J
p-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethanol	0.98	1.8	1.3	2.4	3.6	6.8	1.4	2.6	1.2	2.3	7.7	15	1.5	2.8	1.3	2.4	1.4	2.6	1.0	1.9	U	U
Ethylbenzene	U	U	0.37	1.6	U	U	U	U	0.28	1.2	1.6	6.9	0.73	3.2	0.32	1.4	0.16 J	0.69 J	U	U	U	U

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
$\mu g/m^3$ - microgram per cubic meter

Table 18: Validated Analytical Data Summary - VOCs
October 10 to 11, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-101012-001		P0003-AA001-101012-001		P0004-AA001-101012-001		P0005-AA001-101012-001		P0006-AA001-101012-001		P0007-AA001-101012-001		P0008-AA001-101012-001		P0009-AA001-101012-001		P0010-AA001-101012-001		P0011-AA001-101012-001		TB-101012	
Start Date - Time	10/10/12 - 12:11		10/10/12 - 12:26		10/10/12 - 12:46		10/10/12 - 11:47		10/10/12 - 12:27		10/10/12 - 12:37		10/10/12 - 12:30		10/10/12 - 12:33		10/10/12 - 12:34		10/10/12 - 12:04		10/10/12 - 15:00	
Stop Date - Time	10/11/12 - 12:31		10/11/12 - 11:54		10/11/12 - 12:06		10/11/12 - 12:56		10/11/12 - 12:44		10/11/12 - 13:27		10/11/12 - 13:14		10/11/12 - 13:40		10/11/12 - 13:21		10/11/12 - 12:16		10/10/12 - 15:00	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	ug/m^3	ppbv	ug/m^3	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3
Volatile Organic Compound																						
Ethyl Acetate	0.88	3.2	0.92	3.3	1.7	6.1	0.83	3.0	0.32	1.2	1.7	6.1	1.3	4.7	1.0	3.6	1.6	5.8	U	U	U	U
4-Ethyltoluene	U	U	U	U	U	U	U	U	U	U	0.29	1.4	U	U	U	U	U	U	U	U	U	U
Freon 113	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Freon 114	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Heptane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J
Hexane	0.10 J	0.35 J	0.11 J	0.39 J	0.15 J	0.53 J	0.15 J	0.53 J	0.20	0.70	0.15 J	0.53 J	0.21	0.74	0.13 J	0.46 J	0.13 J	0.46 J	0.17 J	0.60 J	U	U
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropyl Alcohol	U	U	U	U	0.23	0.57	U	U	U	U	0.54	1.3	U	U	U	U	U	U	U	U	U	U
Methylene chloride	0.22	0.76	0.24	0.83	0.27	0.94	0.32	1.1	0.60	2.1	0.24	0.83	0.29	1.0	0.24	0.83	0.25	0.87	0.54	1.9	0.32	1.1
Methyl ethyl ketone	U	U	0.22	0.65	0.86	2.5	U	U	0.35	1.0	0.61	1.8	U	U	U	U	U	U	U	U	U	U
Methyl Isobutyl Ketone	U	U	U	U	U	U	U	U	U	U	0.32	1.3	U	U	U	U	U	U	U	U	U	U
Methyl Tert Butyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylmethacrylate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Propylene	U	U	0.72	1.2	0.28 J	0.48 J	U	U	0.75	1.3	U	U	0.93	1.6	0.58	1.0	0.60	1.0	U	U	U	U
Styrene	U	U	0.46	2.0	U	U	U	U	0.37	1.6	0.28	1.2	0.98	4.2	0.41	1.7	0.18 J	0.77 J	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U J	U J	U J	U J	U J	U J	U J	U J	U	U	U	U	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	0.37	1.8	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	0.19 J	0.93 J	U	U	U	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tertiary Butyl Alcohol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrahydrofuran	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	0.15 J	0.57 J	1.8	6.8	0.30	1.1	0.27	1.0	0.81	3.1	40.5	153	0.92	3.5	0.49	1.8	0.20	0.75	0.51	1.9	U	U
Trichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	0.22	1.2	0.24	1.3	0.27	1.5	0.27	1.5	0.25	1.4	0.23	1.3	0.25	1.4	0.25	1.4	0.25	1.4	0.25	1.4	U	U
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	U	U	0.21	0.91	0.12 J	0.52 J	U	U	0.13 J	0.56 J	4.9	21	0.34	1.5	0.15 J	0.65 J	U	U	U	U	U	U
o-Xylene	U	U	U	U	U	U	U	U	U	U	0.90	3.9	0.15 J	0.65 J	U	U	U	U	U	U	U	U
Xylenes (total)	U	U	0.21	0.91	0.12 J	0.52 J	U	U	0.13 J	0.56 J	5.8	25	0.49	2.1	0.15 J	0.65 J	U	U	U	U	U	U

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m^3 - microgram per cubic meter

Table 19: Validated Analytical Data Summary - VOCs
October 11 to 12, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-101112-001		P0002-AA001-101112-002		P0003-AA001-101112-001		P0004-AA001-101112-001		P0005-AA001-101112-001		P0006-AA001-101112-001		P0007-AA001-101112-001		P0008-AA001-101112-001		P009-AA001-101112-001		P0010-AA001-101112-001		P0011-AA001-101112-001	
Start Date - Time	10/11/12 - 12:31		10/11/12 - 12:31		10/11/12 - 11:54		10/11/12 - 12:06		10/11/12 - 12:56		10/11/12 - 12:44		10/11/12 - 13:27		10/11/12 - 13:14		10/11/12 - 13:40		10/11/12 - 13:21		10/11/12 - 12:16	
Stop Date - Time	10/12/12 - 12:41		10/12/12 - 12:41		10/12/12 - 12:19		10/12/12 - 12:10		10/12/12 - 13:35		10/12/12 - 12:50		10/12/12 - 13:25		10/12/12 - 12:54		10/12/12 - 12:58		10/12/12 - 13:05		10/12/12 - 06:45	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																						
Acetone	5.1	12.0	3.0	7.1	2.7	6.4	3.6	8.6	2.2	5.2	3.3	7.8	2.7	6.4	4.4	10.0	1.8	4.3	U	U	3.6	8.6
1,3-Butadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	U	U	U	U	0.22	0.70	0.099 J	0.32 J	U	U	0.44	1.4	0.41	1.3	0.20	0.64	0.18 J	0.58 J	0.10 J	0.32 J	U	U
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	0.24	0.5	0.37	0.76	0.39	0.81	0.38	0.78	0.39	0.81	0.45	0.93	0.40	0.83	0.25	0.52	0.40	0.83	0.26	0.54	0.62	1.3
3-Chloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	U	U	0.45	2.2	0.45	2.2	0.48	2.4	0.49	2.4	0.47	2.3	0.42	2.1	U	U	0.45	2.2	U	U	0.40	2.0
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
o-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethanol	23.3	43.9	2.4	4.5	U	U	6.8	13	7.0	13	3.9	7.3	4.3	8.1	U	U	U	U	U	U	U	U
Ethylbenzene	0.13 J	0.56 J	U	U	0.20	0.87	U	U	U	U	0.47	2.0	0.28	1.2	0.15 J	0.65 J	0.14 J	0.61 J	U	U	U	U

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 19: Validated Analytical Data Summary - VOCs
October 11 to 12, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-101112-001		P0002-AA001-101112-002		P0003-AA001-101112-001		P0004-AA001-101112-001		P0005-AA001-101112-001		P0006-AA001-101112-001		P0007-AA001-101112-001		P0008-AA001-101112-001		P009-AA001-101112-001		P0010-AA001-101112-001		P0011-AA001-101112-001	
Start Date - Time	10/11/12 - 12:31		10/11/12 - 12:31		10/11/12 - 11:54		10/11/12 - 12:06		10/11/12 - 12:56		10/11/12 - 12:44		10/11/12 - 13:27		10/11/12 - 13:14		10/11/12 - 13:40		10/11/12 - 13:21		10/11/12 - 12:16	
Stop Date - Time	10/12/12 - 12:41		10/12/12 - 12:41		10/12/12 - 12:19		10/12/12 - 12:10		10/12/12 - 13:35		10/12/12 - 12:50		10/12/12 - 13:25		10/12/12 - 12:54		10/12/12 - 12:58		10/12/12 - 13:05		10/12/12 - 06:45	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																						
Ethyl Acetate	9.4	34.0	2.1	7.6	1.8	6.5	1.3	4.7	0.33	1.2	1.8	6.5	0.40	1.4	U	U	0.69	2.5	0.56	2.0	0.61	2.2
4-Ethyltoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Freon 113	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Freon 114	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Heptane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexane	0.28	0.99	U	U	U	U	0.65	2.3	0.20	0.70	0.42	1.5	0.15 J	0.53 J	1.8	6.3	U	U	0.31	1.1	U	U
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropyl Alcohol	U	U	0.25	0.61	U	U	1.2	2.9	0.48	1.2	0.46	1.1	U	U	U	U	U	U	U	U	U	U
Methylene chloride	0.67	2.3	0.40	1.4	0.20	0.69	2.1	7.3	0.63	2.2	1.1	3.8	U	U	2.6	9.0	U	U	0.85	3.0	U	U
Methyl ethyl ketone	0.48	1.4	U	U	0.22	0.65	0.14 J	0.41 J	U	U	0.18 J	0.53 J	U	U	U	U	U	U	U	U	0.29	0.86
Methyl Isobutyl Ketone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methyl Tert Butyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylmethacrylate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Propylene	U	U	U	U	0.46 J	0.79 J	0.36 J	0.62 J	U	U	0.63	1.1	U	U	U	U	U	U	U	U	U	U
Styrene	U	U	U	U	0.28	1.2	U	U	U	U	0.82	3.5	0.20	0.85	0.23	0.98	0.20	0.85	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tertiary Butyl Alcohol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrahydrofuran	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	0.20	0.75	0.22	0.83	1.4	5.3	0.22	0.83	0.20	0.75	0.61	2.3	0.38	1.4	0.49	1.8	0.27	1.0	0.17 J	0.64 J	0.10 J	0.38 J
Trichloroethylene	0.042	0.23	U	U	U	U	U	U	U	U	U	U	0.045	0.24	U	U	U	U	U	U	U	U
Trichlorofluoromethane	0.43	2.4	0.28	1.6	0.22	1.2	0.75	4.2	0.32	1.8	0.49	2.8	0.22	1.2	1.0	5.6	0.21	1.2	0.36	2.0	0.20	1.1
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	0.38	1.7	U	U	0.18 J	0.78 J	0.10 J	0.43 J	U	U	0.12 J	0.52 J	0.11 J	0.48 J	0.14 J	0.61 J	U	U	U	U	U	U
o-Xylene	0.17 J	0.74 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Xylenes (total)	0.55	2.4	U	U	0.18 J	0.78 J	0.10 J	0.43 J	U	U	0.12 J	0.52 J	0.11 J	0.48 J	0.14 J	0.61 J	U	U	U	U	U	U

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 20: Validated Analytical Data Summary - VOCs
October 12 to 13, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-101212-001		P0003-AA001-101212-001		P0004-AA001-101212-001		P0005-AA001-101212-001		P0006-AA001-101212-001		P0007-AA001-101212-001		P0008-AA001-101212-001		P0009-AA001-101212-001		P0010-AA002-101212-001		P0011-AA001-101212-001		TB-101212	
Start Date - Time	10/12/12 - 12:41		10/12/12 - 12:19		10/12/12 - 12:10		10/12/12 - 13:35		10/12/12 - 12:49		10/12/12 - 13:25		10/12/12 - 12:54		10/12/12 - 12:58		10/12/12 - 13:14		10/12/12 - 12:28		10/12/12 - 12:00	
Stop Date - Time	10/13/12 - 12:23		10/13/12 - 12:32		10/13/12 - 12:03		10/13/12 - 13:04		10/13/12 - 12:37		10/13/12 - 12:59		10/13/12 - 12:42		10/13/12 - 12:47		10/13/12 - 12:52		10/13/12 - 12:13		10/12/12 - 12:00	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$
Volatile Organic Compound																						
Acetone	3.4	8.1	U	U	2.5	5.9	2.3	5.5	5.1	12	3.0	7.1	1.7	4.0	U	U	1.5	3.6	2.6	6.2	U	U
1,3-Butadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	0.097 J	0.31 J	0.14 J	0.45 J	0.23	0.73	0.61	1.9	0.76	2.4	0.44	1.4	0.37	1.2	0.20	0.64	0.13 J	0.42 J	U	U	U	U
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	0.30	0.62	0.33	0.68	0.32	0.66	0.40	0.83	0.45	0.93	0.39	0.81	0.35	0.72	0.23	0.47	0.31	0.64	0.35	0.72	U	U
3-Chloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	0.41 J	2.0 J	U	U	0.40 J	2.0 J	0.22 J	1.1 J	0.41 J	2.0 J	0.33 J	1.6 J	0.35 J	1.7 J	U	U	0.32 J	1.6 J	0.43 J	2.1 J	U	U
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
o-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethanol	13.7	25.8	U	U	12.9	24.3	U	U	5.1	9.6	14.7	27.7	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	U	U	U	U	U	U	0.47	2.0	0.92	4.0	0.55	2.4	0.41	1.8	0.15 J	0.65 J	0.10 J	0.43 J	U	U	U	U

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
$\mu g/m^3$ - microgram per cubic meter

Table 20: Validated Analytical Data Summary - VOCs
October 12 to 13, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-101212-001		P0003-AA001-101212-001		P0004-AA001-101212-001		P0005-AA001-101212-001		P0006-AA001-101212-001		P0007-AA001-101212-001		P0008-AA001-101212-001		P0009-AA001-101212-001		P0010-AA002-101212-001		P0011-AA001-101212-001		TB-101212	
Start Date - Time	10/12/12 - 12:41		10/12/12 - 12:19		10/12/12 - 12:10		10/12/12 - 13:35		10/12/12 - 12:49		10/12/12 - 13:25		10/12/12 - 12:54		10/12/12 - 12:58		10/12/12 - 13:14		10/12/12 - 12:28		10/12/12 - 12:00	
Stop Date - Time	10/13/12 - 12:23		10/13/12 - 12:32		10/13/12 - 12:03		10/13/12 - 13:04		10/13/12 - 12:37		10/13/12 - 12:59		10/13/12 - 12:42		10/13/12 - 12:47		10/13/12 - 12:52		10/13/12 - 12:13		10/12/12 - 12:00	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																						
Ethyl Acetate	0.24	0.86	U	U	0.52	1.9	0.64	2.3	0.53	1.9	0.45	1.6	0.38	1.4	0.39 J	1.4 J	0.65	2.3	0.52	1.9	U	U
4-Ethyltoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Freon 113	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Freon 114	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Heptane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexane	0.45	1.6	U	U	0.32	1.1	0.13 J	0.46 J	0.31	1.1	0.13 J	0.46 J	0.14 J	0.49 J	0.12 J	0.42 J	U	U	U	U	U	U
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropyl Alcohol	0.69	1.7	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	1.1	3.8	U	U	0.73	2.5	0.18 J	0.63 J	0.79	2.7	0.30	1.0	0.28	0.97	0.25	0.87	0.24	0.83	0.20	0.69	U	U
Methyl ethyl ketone	0.20	0.59	U	U	0.18 J	0.53 J	U	U	0.58	1.7	U	U	U	U	U	U	U	U	0.33	0.97	U	U
Methyl Isobutyl Ketone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methyl Tert Butyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylmethacrylate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Propylene	U	U	U	U	U	U	U	U	0.71	1.2	U	U	U	U	U	U	U	U	U	U	U	U
Styrene	U	U	U	U	U	U	0.25	1.1	1.6	6.8	0.76	3.2	0.57	2.4	0.19 J	0.81 J	U	U	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	0.10 J	0.49 J	0.098 J	0.48 J	U	U	U	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tertiary Butyl Alcohol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethylene	U	U	U	U	U	U	U	U	0.62	4.2	U	U	U	U	U	U	U	U	U	U	U	U
Tetrahydrofuran	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	0.32	1.2	U	U	0.63	2.4	1.3	4.9	1.2	4.5	0.88	3.3	0.99	3.7	0.53	2.0	0.85	3.2	0.44	1.7	U	U
Trichloroethylene	U	U	U	U	U	U	U	U	0.038 J	0.20 J	U	U	U	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	0.56	3.1	0.19 J	1.1 J	0.42	2.4	0.21	1.2	0.30	1.7	0.20	1.1	0.20	1.1	0.20	1.1	0.20	1.1	0.20	1.1	U	U
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	U	U	U	U	0.099 J	0.43 J	0.10 J	0.43 J	0.19 J	0.83 J	0.34	1.5	0.19 J	0.83 J	0.11 J	0.48 J	0.13 J	0.56 J	U	U	U	U
o-Xylene	U	U	U	U	U	U	U	U	U	U	0.20	0.87	U	U	U	U	U	U	U	U	U	U
Xylenes (total)	U	U	U	U	0.099 J	0.43 J	0.10 J	0.43 J	0.19 J	0.83 J	0.54	2.3	0.19 J	0.83 J	0.11 J	0.48 J	0.13 J	0.56 J	U	U	U	U

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 21: Validated Analytical Data Summary - VOCs
October 13 to 14, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-101312-001		P0003-AA001-101312-001		P0004-AA001-101312-001		P0005-AA001-101312-001		P0006-AA001-101312-001		P0007-AA001-101312-001		P0007-AA001-101312-002		P0008-AA001-101312-001		P0009-AA001-101312-001		P0010-AA002-101312-001		P0011-AA001-101312-001	
Start Date - Time	10/13/12 - 12:23		10/13/12 - 12:32		10/13/12 - 12:03		10/13/12 - 13:04		10/13/12 - 12:37		10/13/12 - 12:59		10/13/12 - 12:59		10/13/12 - 12:42		10/13/12 - 12:47		10/13/12 - 12:52		10/13/12 - 12:13	
Stop Date - Time	10/14/12 - 12:18		10/14/12 - 12:26		10/14/12 - 11:59		10/14/12 - 12:59		10/14/12 - 12:33		10/14/12 - 12:56		10/14/12 - 12:56		10/14/12 - 12:38		10/14/12 - 12:41		10/14/12 - 12:45		10/14/12 - 11:25	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																						
Acetone	2.2	5.2	2.7	6.4	2.9	6.9	2.7	6.4	4.9	12	2.7	6.4	2.6	6.2	4.4	10	2.9	6.9	2.4	5.7	2.3	5.5
1,3-Butadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	0.11 J	0.35 J	0.45	1.4	0.15 J	0.48 J	0.20	0.64	0.22	0.70	0.16 J	0.51 J	0.13 J	0.42 J	0.14 J	0.45 J	0.097 J	0.31 J	U	U	0.13 J	0.42 J
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.27	0.84
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	0.45	0.93	0.49	1.0	0.43	0.89	0.46	0.95	0.46	0.95	0.42	0.87	0.49	1.0	0.50	1.0	0.53	1.1	0.47	0.97	0.48	0.99
3-Chloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	0.48	2.4	0.47	2.3	0.46	2.3	0.49	2.4	0.47	2.3	0.47	2.3	0.51	2.5	0.53	2.6	0.57	2.8	0.51	2.5	0.51	2.5
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
o-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethanol	1.3	2.4	1.6	3.0	0.61	1.1	1.7	3.2	1.7	3.2	1.7	3.2	2.0	3.8	2.4	4.5	2.3	4.3	1.7	3.2	1.8	3.4
Ethylbenzene	U	U	0.36	1.6	U	U	0.19 J	0.83 J	0.20	0.87	U	U	U	U	U	U	U	U	U	U	U	U

Notes:

U - non-detected compound

J - estimated value

ppbv - parts per billion by volume

µg/m³ - microgram per cubic meter

Table 21: Validated Analytical Data Summary - VOCs
October 13 to 14, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-101312-001		P0003-AA001-101312-001		P0004-AA001-101312-001		P0005-AA001-101312-001		P0006-AA001-101312-001		P0007-AA001-101312-001		P0007-AA001-101312-002		P0008-AA001-101312-001		P0009-AA001-101312-001		P0010-AA002-101312-001		P0011-AA001-101312-001	
Start Date - Time	10/13/12 - 12:23		10/13/12 - 12:32		10/13/12 - 12:03		10/13/12 - 13:04		10/13/12 - 12:37		10/13/12 - 12:59		10/13/12 - 12:59		10/13/12 - 12:42		10/13/12 - 12:47		10/13/12 - 12:52		10/13/12 - 12:13	
Stop Date - Time	10/14/12 - 12:18		10/14/12 - 12:26		10/14/12 - 11:59		10/14/12 - 12:59		10/14/12 - 12:33		10/14/12 - 12:56		10/14/12 - 12:56		10/14/12 - 12:38		10/14/12 - 12:41		10/14/12 - 12:45		10/14/12 - 11:25	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																						
Ethyl Acetate	0.71	2.6	U	U	0.67	2.4	0.33	1.2	0.28	1.0	1.4	5.0	0.42	1.5	0.77	2.8	0.47	1.7	U	U	2.2	7.9
4-Ethyltoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Freon 113	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Freon 114	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Heptane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J	U J
Hexane	0.13 J	0.46 J	0.12 J	0.42 J	0.14 J	0.49 J	0.13 J	0.46 J	0.13 J	0.46 J	0.16 J	0.56 J	0.19 J	0.67 J	0.16 J	0.56 J	0.17 J	0.60 J	0.20	0.70	0.11 J	0.39 J
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropyl Alcohol	U	U	U	U	U	U	4.8	12	0.32	0.79	U	U	U	U	U	U	0.30	0.74	U	U	U	U
Methylene chloride	0.27	0.94	0.22	0.76	0.25	0.87	0.21	0.73	0.26	0.90	0.38	1.3	0.27	0.94	0.25	0.87	0.27	0.94	0.44	1.5	0.27	0.94
Methyl ethyl ketone	U	U	0.24	0.71	0.25	0.74	0.29	0.86	U	U	0.24	0.71	0.19 J	0.56 J	0.58	1.7	0.17 J	0.50 J	U	U	U	U
Methyl Isobutyl Ketone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methyl Tert Butyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylmethacrylate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Propylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Styrene	U	U	0.20	0.85	U	U	0.14 J	0.60 J	0.22	0.94	U	U	U	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	0.11 J	0.51 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tertiary Butyl Alcohol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethylene	U	U	0.051	0.35	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.25	1.7	U	U
Tetrahydrofuran	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	0.53	2.0	0.96	3.6	0.65	2.4	0.74	2.8	0.77	2.9	0.74	2.8	0.34	1.3	0.66	2.5	0.30	1.1	0.27	1.0	1.5	5.7
Trichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	0.24	1.3	0.22	1.2	0.23	1.3	0.24	1.3	0.23	1.3	0.24	1.3	0.26	1.5	0.27	1.5	0.27	1.5	0.26	1.5	0.24	1.3
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	U	U	0.11 J	0.48 J	U	U	0.20	0.87	0.14 J	0.61 J	0.095 J	0.41 J	U	U	U	U	U	U	U	U	0.14 J	0.61 J
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Xylenes (total)	U	U	0.11 J	0.48 J	U	U	0.20	0.87	0.14 J	0.61 J	0.095 J	0.41 J	U	U	U	U	U	U	U	U	0.14 J	0.61 J

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 22: Validated Analytical Data Summary - VOCs
October 14 to 15, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-101412-001		P0003-AA001-101412-001		P0004-AA001-101412-001		P0005-AA001-101412-001		P0006-AA001-101412-001		P0008-AA001-101412-001		P0010-AA002-101412-001		P0011-AA001-101412-001	
Start Date - Time	10/14/12 - 12:18		10/14/12 - 12:26		10/14/12 - 11:59		10/14/12 - 12:59		10/14/12 - 12:33		10/14/12 - 12:38		10/14/12 - 12:45		10/14/12 - 12:08	
Stop Date - Time	10/15/12 - 12:13		10/15/12 - 12:23		10/15/12 - 11:59		10/15/12 - 12:46		10/15/12 - 12:27		10/15/12 - 12:31		10/15/12 - 12:38		10/15/12 - 12:05	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$	ppbv	$\mu g/m^3$
Volatile Organic Compound																
Acetone	5.4	13	4.6	11	5.5	13	5.8	14	4.8	11	1.2	2.9	7.2	17	12.1	28.7
1,3-Butadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	0.11 J	0.35 J	0.12 J	0.38 J	0.31	0.99	0.11 J	0.35 J	0.13 J	0.42 J	0.11 J	0.35 J	0.10 J	0.32 J	0.64	2.0
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	0.49	1.0	0.48	0.99	0.53	1.1	0.62	1.3	0.49	1.0	0.51	1.1	0.47	0.97	0.51	1.1
3-Chloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	0.50	2.5	0.47	2.3	0.48	2.4	0.49	2.4	0.47	2.3	0.47	2.3	0.47	2.3	0.46	2.3
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
o-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethanol	7.4	14	3.5	6.6	4.2	7.9	3.4	6.4	3.2	6.0	1.3	2.4	5.9	11	7.7	15
Ethylbenzene	U	U	0.16 J	0.69 J	0.79	3.4	U	U	0.11 J	0.48 J	U	U	U	U	0.36	1.6

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
$\mu g/m^3$ - microgram per cubic meter

Table 22: Validated Analytical Data Summary - VOCs
October 14 to 15, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-101412-001		P0003-AA001-101412-001		P0004-AA001-101412-001		P0005-AA001-101412-001		P0006-AA001-101412-001		P0008-AA001-101412-001		P0010-AA002-101412-001		P0011-AA001-101412-001	
Start Date - Time	10/14/12 - 12:18		10/14/12 - 12:26		10/14/12 - 11:59		10/14/12 - 12:59		10/14/12 - 12:33		10/14/12 - 12:38		10/14/12 - 12:45		10/14/12 - 12:08	
Stop Date - Time	10/15/12 - 12:13		10/15/12 - 12:23		10/15/12 - 11:59		10/15/12 - 12:46		10/15/12 - 12:27		10/15/12 - 12:31		10/15/12 - 12:38		10/15/12 - 12:05	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																
Ethyl Acetate	0.94	3.4	0.97	3.5	4.1	15	0.83	3.0	3.2	12	0.25	0.90	7.4	27	62.1	224
4-Ethyltoluene	U	U	U	U	0.38	1.9	U	U	U	U	U	U	U	U	U	U
Freon 113	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Freon 114	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Heptane	U	U	0.033 J	0.14 J	0.18 J	0.74 J	U	U	U	U	U	U	U	U	0.17 J	0.70 J
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexane	0.94	3.3	0.16 J	0.56 J	0.42	1.5	0.13 J	0.46 J	0.11 J	0.39 J	0.15 J	0.53 J	0.20	0.70	0.57	2.0
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.15 J	0.61 J
Isopropyl Alcohol	1.0	2.5	0.34	0.84	0.70	1.7	3.3	8.1	2.4	5.9	U	U	0.77	1.9	1.5	3.7
Methylene chloride	1.5	5.2	0.28	0.97	0.51	1.8	0.32	1.1	0.29	1.0	0.36	1.3	0.54	1.9	2.7	9.4
Methyl ethyl ketone	0.61	1.8	0.40	1.2	0.59	1.7	0.65	1.9	0.43	1.3	0.20	0.59	0.72	2.1	1.0	2.9
Methyl Isobutyl Ketone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.17 J	0.70 J
Methyl Tert Butyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylmethacrylate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Propylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Styrene	U	U	0.16 J	0.68 J	U	U	U	U	0.10 J	0.43 J	U	U	U	U	0.11 J	0.47 J
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	U	U	U	2.1	10	U	U	U	U	U	U	U	U	0.22	1.1
1,3,5-Trimethylbenzene	U	U	U	U	0.57	2.8	U	U	U	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	0.34	1.6	U	U	U	U	U	U	U	U	U	U
Tertiary Butyl Alcohol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrahydrofuran	U	U	U	U	U	U	U	U	U	U	0.13 J	0.38 J	U	U	0.29	0.86
Toluene	0.50	1.9	0.98	3.7	2.1	7.9	0.85	3.2	2.2	8.3	0.45	1.7	1.3	4.9	14.2	53.5
Trichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	0.35	2.0	0.23	1.3	0.26	1.5	0.24	1.3	0.23	1.3	0.24	1.3	0.25	1.4	0.29	1.6
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	U	U	0.19 J	0.83 J	3.4	15	0.11 J	0.48 J	0.18 J	0.78 J	U	U	0.11 J	0.48 J	1.1	4.8
o-Xylene	U	U	U	U	0.98	4.3	U	U	U	U	U	U	U	U	0.29	1.3
Xylenes (total)	U	U	0.19 J	0.83 J	4.4	19	0.11 J	0.48 J	0.18 J	0.78 J	U	U	0.11 J	0.48 J	1.4	6.1

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 23: Validated Analytical Data Summary - VOCs
October 15 to 16, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-101512-001		P0003-AA001-101512-001		P0004-AA001-101512-001		P0005-AA001-101512-001		P0006-AA001-101512-001		P0008-AA001-101512-001		P0010-AA002-101512-001		P0010-AA002-101512-002		P0011-AA001-101512-001	
Start Date - Time	10/15/12 - 12:13		10/15/12 - 12:23		10/15/12 - 11:59		10/15/12 - 12:46		10/15/12 - 12:27		10/15/12 - 12:31		10/15/12 - 12:38		10/15/12 - 12:38		10/15/12 - 12:05	
Stop Date - Time	10/16/12 - 12:15		10/16/12 - 12:23		10/16/12 - 12:02		10/16/12 - 11:56		10/16/12 - 12:24		10/16/12 - 12:28		10/16/12 - 12:32		10/16/12 - 12:32		10/16/12 - 12:10	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																		
Acetone	2.1	5.0	2.0	4.8	2.0	4.8	2.2	5.2	1.1	2.6	2.5	5.9	20.5	48.7	2.2	5.2	1.4	3.3
1,3-Butadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	U	U	U	U	U	U	0.099 J	0.32 J	U	U	0.096 J	0.31 J	U	U	U	U	U	U
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	0.39	0.81	0.38	0.78	0.38	0.78	0.49	1.0	0.55	1.1	0.40	0.83	0.48	0.99	0.45	0.93	0.40	0.83
3-Chloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	0.44	2.2	0.43	2.1	0.44	2.2	0.46	2.3	0.50	2.5	0.44	2.2	0.46	2.3	0.47	2.3	0.44	2.2
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	0.10 J	0.40 J	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
o-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethanol	1.3	2.4	1.0	1.9	1.6	3.0	1.1	2.1	0.87	1.6	1.4	2.6	1.3	2.4	1.5	2.8	1.1	2.1
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Table 23: Validated Analytical Data Summary - VOCs
October 15 to 16, 2012
Hillcrest Industries Site
Attica, New York

RST 2 Sample ID	P0002-AA001-101512-001		P0003-AA001-101512-001		P0004-AA001-101512-001		P0005-AA001-101512-001		P0006-AA001-101512-001		P0008-AA001-101512-001		P0010-AA002-101512-001		P0010-AA002-101512-002		P0011-AA001-101512-001	
Start Date - Time	10/15/12 - 12:13		10/15/12 - 12:23		10/15/12 - 11:59		10/15/12 - 12:46		10/15/12 - 12:27		10/15/12 - 12:31		10/15/12 - 12:38		10/15/12 - 12:38		10/15/12 - 12:05	
Stop Date - Time	10/16/12 - 12:15		10/16/12 - 12:23		10/16/12 - 12:02		10/16/12 - 11:56		10/16/12 - 12:24		10/16/12 - 12:28		10/16/12 - 12:32		10/16/12 - 12:32		10/16/12 - 12:10	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air	
Units	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³
Volatile Organic Compound																		
Ethyl Acetate	0.76	2.7	0.19 J	0.68 J	2.0	7.2	0.32	1.2	U	U	U	U	0.46	1.7	U	U	0.37	1.3
4-Ethyltoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Freon 113	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Freon 114	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Heptane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexane	0.10 J	0.35 J	0.10 J	0.35 J	0.17 J	0.60 J	0.11 J	0.39 J	0.13 J	0.46 J	0.12 J	0.42 J	0.15 J	0.53 J	U	U	0.10 J	0.35 J
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropyl Alcohol	U	U	0.17 J	0.42 J	0.20	0.49	U	U	U	U	0.13 J	0.32 J	0.17 J	0.42 J	0.18 J	0.44 J	U	U
Methylene chloride	0.28	0.97	0.27	0.94	0.53	1.8	0.26	0.90	0.34	1.2	0.41	1.4	0.31	1.1	0.33	1.1	0.34	1.2
Methyl ethyl ketone	U	U	0.26	0.77	U	U	0.25	0.74	U	U	0.21	0.62	4.1	12	U	U	U	U
Methyl Isobutyl Ketone	U	U	U	U	U	U	U	U	U	U	U	U	0.38	1.6	U	U	U	U
Methyl Tert Butyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylmethacrylate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Propylene	U	U	U	U	U	U	0.23 J	0.40 J	U	U	U	U	U	U	U	U	U	U
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tertiary Butyl Alcohol	U	U	U	U	U	U	U	U	U	U	U	U	0.15 J	0.45 J	U	U	U	U
Tetrachloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	0.62	4.2	U	U	U	U
Tetrahydrofuran	U	U	U	U	U	U	U	U	U	U	U	U	18.5	54.6	U	U	U	U
Toluene	0.71	2.7	0.70	2.6	0.83	3.1	0.33	1.2	0.44	1.7	0.48	1.8	0.47	1.8	0.30	1.1	0.23	0.87
Trichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	0.63	3.4	U	U	U	U
Trichlorofluoromethane	0.23	1.3	0.21	1.2	0.24	1.3	0.23	1.3	0.25	1.4	0.22	1.2	0.22	1.2	0.22	1.2	0.22	1.2
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	0.17 J	0.74 J	0.16 J	0.69 J	0.12 J	0.52 J	U	U	U	U	U	U	0.11 J	0.48 J	U	U	U	U
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Xylenes (total)	0.17 J	0.74 J	0.16 J	0.69 J	0.12 J	0.52 J	U	U	U	U	U	U	0.11 J	0.48 J	U	U	U	U

Notes:
U - non-detected compound
J - estimated value
ppbv - parts per billion by volume
µg/m³ - microgram per cubic meter

Attachment D – Chain of Custody Records

USEPA
DateShipped: 10/17/2012
CarrierName: FedEx
AirbillNo: 8987019768852

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Joel Petty
732-570-4943

No: 2-101712-124535-0020
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0002-AA001-101512-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A456	Regulator # FC527	-30	-11	N	10/15/2012	12:13:00 PM	10/16/2012	12:15:00 PM
	P0003-AA001-101512-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A1016	Regulator # FC254	-32	-10	N	10/15/2012	12:23:00 PM	10/16/2012	12:23:00 PM
	P0004-AA001-101512-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A898	Regulator # FC533	-28.5	-6.5	N	10/15/2012	11:59:00 AM	10/16/2012	12:02:00 PM
	P0005-AA001-101512-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A745	Regulator # FC380	-29	-2	N	10/15/2012	12:46:00 PM	10/16/2012	11:56:00 AM
	P0006-AA001-101512-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A255	Regulator # FC447	-30	-10	N	10/15/2012	12:27:00 PM	10/16/2012	12:24:00 PM
	P0008-AA001-101512-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A306	Regulator # FC087	-30	-7	N	10/15/2012	12:31:00 PM	10/16/2012	12:28:00 PM
	P0010-AA002-101512-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A999	Regulator # FC493	-29	-9.5	N	10/15/2012	12:38:00 PM	10/16/2012	12:32:00 PM
	P0010-AA002-101512-002	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A333	Regulator # FC243	-30	-11	N	10/15/2012	12:38:00 PM	10/16/2012	12:32:00 PM
	P0011-AA001-101512-01	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A166	Regulator # FC229	-30	-12	N	10/15/2012	12:05:00 PM	10/16/2012	12:10:00 PM

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Joel.Petty@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/17/12	Fed Ex	10/17							

USEPA
DateShipped: 10/16/2012
CarrierName: FedEx
AirbillNo: 898701977002

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Joel Petty
732-570-4943

No: 2-101612-143645-0019
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0002-AA001-101412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A738	Regulator # FC468	-29.5	-11	N	10/14/2012	12:18:00 PM	10/15/2012	12:13:00 PM
	P0003-AA001-101412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A659	Regulator # FC504	-28	-6	N	10/14/2012	12:26:00 PM	10/15/2012	12:23:00 PM
	P0004-AA001-101412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A364	Regulator # FC426	-31	-10	N	10/14/2012	11:59:00 AM	10/15/2012	11:59:00 AM
	P0005-AA001-101412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A338	Regulator # FC355	-30	-9	N	10/14/2012	12:59:00 PM	10/15/2012	12:46:00 PM
	P0006-AA001-101412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A198	Regulator # FC363	-30	-9	N	10/14/2012	12:33:00 PM	10/15/2012	12:27:00 PM
	P0008-AA001-101412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A872	Regulator # FC298	-30	-7.5	N	10/14/2012	12:38:00 PM	10/15/2012	12:31:00 PM
	P0010-AA002-101412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A179	Regulator # FC274	-28.5	-7	N	10/14/2012	12:45:00 PM	10/15/2012	12:38:00 PM
	P0011-AA001-101412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A003	Regulator # FC435	-24	-3	N	10/14/2012	12:08:00 PM	10/15/2012	12:05:00 PM

Joel Petty

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Joel.Petty@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/16/12	Fed Ex	10/16/12							

USEPA
DateShipped: 10/16/2012
CarrierName: FedEx
AirbillNo: 898701976841

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Joel Petty
732-570-4943

No: 2-101512-151837-0018
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0011-AA001-101312-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A874	Regulator # FC292	-32	-3	N	10/13/2012	12:13:00 PM	10/14/2012	11:25:00 AM

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Joel.Petty@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/15/12	Fed Ex	10/15/12							

USEPA
DateShipped: 10/15/2012
CarrierName: FedEx
AirbillNo: 898701976841

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Joel Petty
732-570-4943

No: 2-101512-151837-0018
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0002-AA001-101312-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A278	Regulator # FC491	-29.5	-9	N	10/13/2012	12:23:00 PM	10/14/2012	12:18:00 PM
	P0003-AA001-101312-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A475	Regulator # FC240	-32	-5	N	10/13/2012	12:32:00 PM	10/14/2012	12:26:00 PM
	P0004-AA001-101312-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A888	Regulator # FC054	-27	-4	N	10/13/2012	12:03:00 PM	10/14/2012	11:59:00 AM
	P0005-AA001-101312-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A454	Regulator # FC508	-30.5	-6.5	N	10/13/2012	1:04:00 PM	10/14/2012	12:59:00 PM
	P0006-AA001-101312-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A131	Regulator # FC390	-30.5	-9.5	N	10/13/2012	12:37:00 PM	10/14/2012	12:33:00 PM
	P0007-AA001-101312-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A839	Regulator # FC405	-28.5	-4	N	10/13/2012	12:59:00 PM	10/14/2012	12:56:00 PM
	P0007-AA001-101312-002	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A661	Regulator # FC102	-30	-5	N	10/13/2012	12:59:00 PM	10/14/2012	12:56:00 PM
	P0008-AA001-101312-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A089	Regulator # FC092	-28.5	-7	N	10/13/2012	12:42:00 PM	10/14/2012	12:38:00 PM
	P0009-AA001-101312-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A994	Regulator # FC496	-30	-7	N	10/13/2012	12:47:00 PM	10/14/2012	12:41:00 PM
	P0010-AA002-101312-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A252	Regulator # FC409	-31	-7	N	10/13/2012	12:52:00 PM	10/14/2012	12:45:00 PM

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Joel.Petty@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/15/12	Fed Ex	10/15/12							

USEPA
DateShipped: 10/15/2012
CarrierName: FedEx
AirbillNo: 899701976830

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Joel Petty
732-570-4943

No: 2-101412-144648-0017
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	TB-101212	Volatile Organic Compounds	Blank	1	Summa Canister	Summa # A147	NA			N	10/12/2012	12:00:00 PM	10/12/2012	12:00:00 PM

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Joel.Petty@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/15/12	Fed Ex	10/15/12							

USEPA
DateShipped: 10/16/2012
CarrierName: FedEx
AirbillNo: 898701976830

CHAIN OF CUSTODY RECORD

RFP # 238
Contact Name: Joel Petty
732-570-4943

No: 2-101412-144646-0017
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0002-AA001-101212-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A222	Regulator # FC169	-29.5	-5	N	10/12/2012	12:41:00 PM	10/13/2012	12:23:00 PM
	P0003-AA001-101212-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A824	Regulator # FC052	-30	-6	N	10/12/2012	12:19:00 PM	10/13/2012	12:32:00 PM
	P0004-AA001-101212-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A218	Regulator # FC115	-28	-5	N	10/12/2012	12:10:00 PM	10/13/2012	12:03:00 PM
	P0005-AA001-101212-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A862	Regulator # FC525	-30	-10	N	10/12/2012	1:35:00 PM	10/13/2012	1:04:00 PM
	P0006-AA001-101212-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A859	Regulator # FC083	-28.5	-6.5	N	10/12/2012	12:49:00 PM	10/13/2012	12:37:00 PM
	P0007-AA001-101212-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A1008	Regulator # FC332	-30	-9.5	N	10/12/2012	1:25:00 PM	10/13/2012	12:59:00 PM
	P0008-AA001-101212-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A341	Regulator # FC194	-30	-5	N	10/12/2012	12:54:00 PM	10/13/2012	12:42:00 PM
	P0009-AA001-101212-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A343	Regulator # FC396	-29.5	-9.5	N	10/12/2012	12:58:00 PM	10/13/2012	12:47:00 PM
	P0010-AA002-101212-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A239	Regulator # FC440	-28.5	-5.5	N	10/12/2012	1:14:00 PM	10/13/2012	12:52:00 PM
	P0011-AA001-101212-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A685	Regulator # FC457	-29	-9	N	10/12/2012	12:28:00 PM	10/13/2012	12:13:00 PM

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Joel.Petty@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyzes	Joel Petty	10/15/12	Fed Ex	10/15/12							

USEPA
DateShipped: 10/13/2012
CarrierName: FedEx
AirbillNo: 898701976820

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Joel Petty
732-570-4943

No: 2-101312-155857-0016
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0011-AA001-101112-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A188	Regulator # FC197	-30	-5	N	10/11/2012	12:16:00 PM	10/11/2012	6:45:00 PM

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Joel.Petty@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/13/12	Fed Ex	10/13/12							

USEPA
DateShipped: 10/13/2012
CarrierName: FedEx
AirbillNo: 898701976820

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Joel Petty
732-570-4943

No: 2-101312-155857-0016
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0002-AA001-101112-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A284	Regulator # FC131	-30	-18	N	10/11/2012	12:31:00 PM	10/12/2012	12:41:00 PM
	P0002-AA001-101112-002	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A987	Regulator # FC397	-30	-7	N	10/11/2012	12:31:00 PM	10/12/2012	12:41:00 PM
	P0003-AA001-101112-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A094	Regulator # FC294	-31	-6	N	10/11/2012	11:54:00 AM	10/12/2012	12:19:00 PM
	P0004-AA001-101112-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A669	Regulator # FC353	-29	-7	N	10/11/2012	12:08:00 PM	10/12/2012	12:10:00 PM
	P0005-AA001-101112-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A247	Regulator # FC481	-30	-9	N	10/11/2012	12:56:00 PM	10/12/2012	1:35:00 PM
	P0006-AA001-101112-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A769	Regulator # FC259	-30	-7	N	10/11/2012	12:44:00 PM	10/12/2012	12:50:00 PM
	P0007-AA001-101112-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A368	Regulator # FC249	-29	-10	N	10/11/2012	1:27:00 PM	10/12/2012	1:25:00 PM
	P0008-AA001-101112-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A023	Regulator # FC242	-30	-8	N	10/11/2012	1:14:00 PM	10/12/2012	12:54:00 PM
	P0009-AA001-101112-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A778	Regulator # FC307	-30	-11.5	N	10/11/2012	1:40:00 PM	10/12/2012	12:58:00 PM
	P0010-AA001-101112-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A893	Regulator # FC279	-32	-10.5	N	10/11/2012	1:21:00 PM	10/12/2012	1:05:00 PM

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Joel.Petty@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time		Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/13/12	FedEx	10/13/12								

USEPA
DateShipped: 10/12/2012
CarrierName: FedEx
AirbillNo: 899701976999

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Joel Petty
732-570-4943

No: 2-101212-143628-0015
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	TB-101012	Volatile Organic Compounds	Blank	1	Summa Canister	Summa # A445	NA			N	10/10/2012	3:00:00 PM	10/10/2012	

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Joel.Petty@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/12/12	FedEx	10/12/12							

USEPA
DateShipped: 10/12/2012
CarrierName: FedEx
AirbillNo: 898701976999

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Joel Petty
732-570-4943

No: 2-101212-143628-0015
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0002-AA001-101012-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A826	Regulator # FC283	-30	-5	N	10/10/2012	12:11:00 PM	10/11/2012	12:31:00 PM
	P0003-AA001-101012-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A831	Regulator # FC313	-30	-3	N	10/10/2012	12:26:00 PM	10/11/2012	11:54:00 AM
	P0004-AA001-101012-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A251	Regulator # FC282	-28	-6	N	10/10/2012	12:46:00 PM	10/11/2012	12:06:00 PM
	P0005-AA001-101012-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A256	Regulator # FC265	-28	-6	N	10/10/2012	11:47:00 AM	10/11/2012	12:56:00 PM
	P0006-AA001-101012-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A1039	Regulator # FC317	-29	-4	N	10/10/2012	12:27:00 PM	10/11/2012	12:44:00 PM
	P0007-AA001-101012-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A248	Regulator # FC368	-30	0	N	10/10/2012	12:37:00 PM	10/11/2012	1:27:00 PM
	P0008-AA001-101012-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A837	Regulator # FC382	-29	-5.5	N	10/10/2012	12:30:00 PM	10/11/2012	1:14:00 PM
	P0009-AA001-101012-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A243	Regulator # FC379	-29.5	-5	N	10/10/2012	12:33:00 PM	10/11/2012	1:40:00 PM
	P0010-AA001-101012-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A213	Regulator # FC085	-29	-5	N	10/10/2012	12:34:00 PM	10/11/2012	1:21:00 PM
	P0011-AA001-101012-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A770	Regulator # FC499	-28	-4	N	10/10/2012	12:04:00 PM	10/11/2012	12:16:00 PM

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Joel.Petty@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/12/12	Fed Ex	10/12/12							

USEPA
DateShipped: 10/11/2012
CarrierName: FedEx
AirbillNo: 898701976988

CHAIN OF CUSTODY RECORD

RFP # 238
Contact Name: Joel Petty
732-570-4943

No: 2-101112-130940-0014
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0002-AA001-100912-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A299	Regulator # FC257	-30	-6	N	10/9/2012	1:00:00 PM	10/10/2012	11:47:00 AM
	P0003-AA001-100912-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A1047	Regulator # FC252	-30	-13	N	10/9/2012	1:15:00 PM	10/10/2012	12:26:00 PM
	P0004-AA001-100912-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A647	Regulator # FC511	-30	-11	N	10/9/2012	12:28:00 PM	10/10/2012	12:47:00 PM
	P0005-AA001-100912-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A1042	Regulator # FC365	-30	-6	N	10/9/2012	12:35:00 PM	10/10/2012	11:40:00 AM
	P0010-AA001-100912-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A358	Regulator # FC415	-28	-6	N	10/9/2012	12:57:00 PM	10/10/2012	11:26:00 AM

Joel Petty

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Joel.Petty@westonsolutions.com.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/10/12 JP	Fed Ex	10/14/12 JP							

USEPA

DateShipped: 10/11/2012

CarrierName: FedEx

AirbillNo: 898701976977

CHAIN OF CUSTODY RECORD

RFP # 242

Contact Name: Joel Petty

732-570-4943

No: 2-101112-125301-0013

Lab: Atmosphere Analysis and Consulting, Inc

Lab Contact: Marcus Hueppe

Lab Phone: 805-650-1642

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0006-AA001-100912-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000420	Regulator # 000373	-29	-6	N	10/9/2012	1:12:00 PM	10/10/2012	11:47:00 AM
	P0007-AA001-100912-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000425	Regulator # 000277	-28	-1.5	N	10/9/2012	1:00:00 PM	10/10/2012	9:51:00 AM
	P0008-AA001-100912-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000422	Regulator # 000585	-29	-1	N	10/9/2012	1:04:00 PM	10/10/2012	6:41:00 AM
	P0009-AA001-100912-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000538	Regulator # 000640	-29	-2	N	10/9/2012	1:08:00 PM	10/10/2012	9:48:00 AM
	P0011-AA001-100912-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000630	Regulator # 000595	-27.5	-3.5	N	10/9/2012	12:44:00 PM	10/10/2012	10:58:00 AM
	P0011-AA001-100912-002	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000396	Regulator # 000241	-28.5	-5	N	10/9/2012	12:44:00 PM	10/10/2012	10:58:00 AM

Joel Petty

Special Instructions: 24 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Joel.Petty@westonsolutions.com.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/10/12	Fed Ex	10/11/12							

USEPA

DateShipped: 10/10/2012

CarrierName: FedEx

AirbillNo: 898701976986

CHAIN OF CUSTODY RECORD

RFP # 242

Contact Name: Joel Petty

732-570-4943

No: 2-101012-135431-0012

Lab: Atmosphere Analysis and Consulting, Inc

Lab Contact: Marcus Hueppe

Lab Phone: 805-650-1642

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	TB-100812	Volatile Organic Compounds	Blank	1	Summa Canister	Summa # 000403	NA			N	10/8/2012	3:00:00 PM	10/8/2012	3:00:00 PM

Joel Petty

Special Instructions: 24 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Joel.Petty@westonsolutions.com.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/10/12	Fed Ex	10/10/12							

USEPA

DateShipped: 10/10/2012

CarrierName: FedEx

AirbillNo: 896701976966

CHAIN OF CUSTODY RECORD

RFP # 242

Contact Name: Joel Petty

732-570-4943

No: 2-101012-135431-0012

Lab: Atmosphere Analyisis and Consulting, Inc

Lab Contact: Marcus Hueppe

Lab Phone: 805-650-1642

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0002-AA001-100812-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000488	Regulator # 000642	-31	-5	N	10/8/2012	1:31:00 PM	10/9/2012	1:00:00 PM
	P0003-AA001-100812-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000448	Regulator # 000276	-27	-2.5	N	10/8/2012	12:08:00 PM	10/9/2012	11:15:00 AM
	P0004-AA001-100812-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000483	Regulator # 000596	-29.5	-27	N	10/8/2012	12:36:00 PM	10/9/2012	12:25:00 PM
	P0005-AA001-100812-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000542	Regulator # 000580	-31	-3	N	10/8/2012	1:37:00 PM	10/9/2012	12:41:00 PM
	P0006-AA001-100812-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000416	Regulator # 000588	-29	-3	N	10/8/2012	12:25:00 PM	10/9/2012	11:37:00 AM
	P0007-AA001-100812-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000382	Regulator # 000604	-29	-3.5	N	10/8/2012	1:43:00 PM	10/9/2012	11:42:00 AM
	P0008-AA001-100812-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000530	Regulator # 000597	-29	0	N	10/8/2012	12:48:00 PM	10/9/2012	9:41:00 AM
	P0009-AA001-100812-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000389	Regulator # 000599	-28	-6	N	10/8/2012	12:54:00 PM	10/9/2012	1:08:00 PM
	P0010-AA001-100812-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000437	Regulator # 000376	-29	-1.5	N	10/8/2012	1:00:00 PM	10/9/2012	12:56:00 PM
	P0011-AA001-100812-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000559	Regulator # 000374	-30	-6	N	10/8/2012	1:18:00 PM	10/9/2012	12:42:00 PM

Special Instructions: 24 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Joel.Petty@westonsolutions.com.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/10/12	Fed Ex	10/10/12							

USEPA

DateShipped: 10/9/2012

CarrierName: FedEx

AirbillNo: 896701976955

CHAIN OF CUSTODY RECORD

RFP # 242

Contact Name: Joel Petty

732-570-4943

No: 2-100912-152725-0011

Lab: Atmosphere Analyisis and Consulting, Inc

Lab Contact: Marous Hueppe

Lab Phone: 805-650-1642

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0011-AA001-100712-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # 000436	Regulator # 000613	-28	-1	N	10/7/2012	2:10:00 PM	10/8/2012	1:16:00 PM

Special Instructions: 24 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Joel.Petty@westonsolutions.com.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/9/12	FedEx	10/9/12							

USEPA

DateShipped: 10/9/2012

CarrierName: FedEx

AirbillNo: 898701976955

CHAIN OF CUSTODY RECORD

RFP # 242

Contact Name: Joel Petty

732-570-4943

No: 2-100912-152725-0011

Lab: Atmosphere Analyisis and Consulting, Inc

Lab Contact: Marcus Hueppe

Lab Phone: 805-650-1642

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0002-AA001-100712-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000433	Regulator # 000583	-30	-3	N	10/7/2012	2:00:00 PM	10/8/2012	6:35:00 AM
	P0003-AA001-100712-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000554	Regulator # 000639	-29.5	0	N	10/7/2012	12:15:00 PM	10/8/2012	12:04:00 PM
	P0004-AA001-100712-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000442	Regulator # 000600	-28.5	-3	N	10/7/2012	1:15:00 PM	10/8/2012	12:33:00 PM
	P0005-AA001-100712-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000386	Regulator # 000646	-29	-2	N	10/7/2012	1:50:00 PM	10/8/2012	1:09:00 PM
	P0005-AA001-100712-002	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000426	Regulator # 000650	-30	-3	N	10/7/2012	1:50:00 PM	10/8/2012	1:09:00 PM
	P0006-AA001-100712-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000404	Regulator # 000601	-30	-2	N	10/7/2012	12:25:00 PM	10/8/2012	12:23:00 PM
	P0007-AA001-100712-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000487	Regulator # 000615	-27.5	0	N	10/7/2012	1:35:00 PM	10/8/2012	1:05:00 PM
	P0008-AA001-100712-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000439	Regulator # 000616	-29	-2	N	10/7/2012	12:35:00 PM	10/8/2012	12:45:00 PM
	P0009-AA001-100712-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000450	Regulator # 000689	-26.5	-8	N	10/7/2012	12:45:00 PM	10/8/2012	12:52:00 PM
	P0010-AA001-100712-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000497	Regulator # 000586	-29	-14	N	10/7/2012	12:55:00 PM	10/8/2012	12:57:00 PM

Special Instructions: 24 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Joel.Petty@westonsolutions.com.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/9/12	Fed Ex	10/9/12							

USEPA

DateShipped: 10/8/2012

CarrierName: FedEx

AirbillNo: 898701976922

CHAIN OF CUSTODY RECORD

RFP # 242

Contact Name: Brittney Kelly

908-565-2979

No: 2-100812-040317-0010

Lab: Atmosphere Analyisis and Consulting, Inc

Lab Contact: Marcus Hueppe

Lab Phone: 805-650-1642

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0007-AA001-100612-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000495	Regulator # 000635	-29	-4	N	10/6/2012	2:15:00 PM	10/7/2012	1:30:00 PM
	P0008-AA001-100612-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000545	Regulator # 000611	-29	-2	N	10/6/2012	1:45:00 PM	10/7/2012	12:30:00 PM
	P0009-AA001-100612-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000544	Regulator # 000587	-29	-5	N	10/6/2012	1:45:00 PM	10/7/2012	12:30:00 PM
	P0010-AA001-100612-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000485	Regulator # 000603	-28.5	-3	N	10/6/2012	2:05:00 PM	10/7/2012	12:50:00 PM
	P0011-AA001-100612-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # 000493	Regulator # 000609	-28	-5	N	10/6/2012	3:10:00 PM	10/7/2012	10:53:00 AM

Special Instructions: 24 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Brittney.Kelly@westonsolutions.com.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All samples for analysis	BSK	10/8/12									

USEPA

DateShipped: 10/8/2012

CarrierName: FedEx

AirbillNo: 898701976922

CHAIN OF CUSTODY RECORD

RFP # 242

Contact Name: Brittney Kelly

908-565-2979

No: 2-100812-040317-0010

Lab: Atmosphere Analylsis and Consulting, Inc

Lab Contact: Marcus Hueppe

Lab Phone: 805-650-1642

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0002-AA001-100612-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000509	Regulator # 000582	-28.5	-4	N	10/6/2012	3:00:00 PM	10/7/2012	1:50:00 PM
	P0003-AA001-100612-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000505	Regulator # 000683	-29	-9	N	10/6/2012	1:30:00 PM	10/7/2012	12:10:00 PM
	P0004-AA001-100612-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000515	Regulator # 000594	-29.5	-5	N	10/6/2012	2:45:00 PM	10/7/2012	1:10:00 PM
	P0005-AA001-100612-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000550	Regulator # 000619	-29	-10	N	10/6/2012	2:25:00 PM	10/7/2012	1:45:00 PM
	P0006-AA001-100612-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000394	Regulator # 000606	-29	-5	N	10/6/2012	1:35:00 PM	10/7/2012	12:20:00 PM

Special Instructions: 24 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Brittney.Kelly@westonsolutions.com.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Samples for analysis	[illegible]	10/8/12									

USEPA

DateShipped: 10/8/2012

CarrierName: FedEx

AirbillNo: 898701976933

CHAIN OF CUSTODY RECORD

RFP # 242

Contact Name: Brittney Kelly

Contact Phone: 908-565-2979

No: 2-100712-045647-0009

Lab: Atmosphere Analysis and Consulting, Inc

Lab Contact: Marcus Hueppe

Lab Phone: 805-650-1642

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0011-AA001-100512-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # 000513	Regulator # 000649	-31	-6	N	10/5/2012	3:05:00 PM	10/6/2012	3:15:00 PM
	TB-100612	Volatile Organic Compounds	Blank	1	Summa Canister	Summa # 000553	NA			N	10/6/2012	3:00:00 PM	10/6/2012	3:00:00 PM

Special Instructions: 24 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Brittney.Kelly@westonsolutions.com.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All samples for analysis	[illegible]	10/7/12									

USEPA

DateShipped: 10/8/2012

CarrierName: FedEx

AirbillNo: 898701976933

CHAIN OF CUSTODY RECORD

RFP # 242

Contact Name: Brittney Kelly

Contact Phone: 908-565-2979

No: 2-100712-045647-0009

Lab: Atmosphere Analyisis and Consulting, Inc

Lab Contact: Marcus Hueppe

Lab Phone: 805-650-1642

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0006-AA001-100512-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000440	Regulator # 000643	-29.5	-4	N	10/5/2012	2:10:00 PM	10/6/2012	11:15:00 AM
	P0007-AA001-100512-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000498	Regulator # 000592	-28	-6	N	10/5/2012	2:35:00 PM	10/6/2012	2:10:00 PM
	P0008-AA001-100512-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000501	Regulator # 000648	-29	-5	N	10/5/2012	2:15:00 PM	10/6/2012	1:40:00 PM
	P0009-AA001-100512-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000429	Regulator # 000718	-29.5	-5	N	10/5/2012	2:25:00 PM	10/6/2012	1:50:00 PM
	P0010-AA001-100512-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000481	Regulator # 000638	-31	-5	N	10/5/2012	2:30:00 PM	10/6/2012	2:00:00 PM

Special Instructions: 24 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Brittney.Kelly@westonsolutions.com.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All samples for analysis	[signature]	10/7/12									

USEPA

DateShipped: 10/8/2012

CarrierName: FedEx

AirbillNo: 898701976933

CHAIN OF CUSTODY RECORD

RFP # 242

Contact Name: Brittney Kelly

Contact Phone: 908-565-2979

No: 2-100712-045647-0009

Lab: Atmosphere Analyisis and Consulting, Inc

Lab Contact: Marcus Hueppe

Lab Phone: 805-650-1642

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0002-AA001-100512-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000499	Regulator # 000633	-29	-6	N	10/5/2012	3:00:00 PM	10/6/2012	1:15:00 PM
	P0003-AA001-100512-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000511	Regulator # 000674	-29.5	-6	N	10/5/2012	2:05:00 PM	10/6/2012	1:25:00 PM
	P0004-AA001-100512-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000535	Regulator # 000591	-30	-6	N	10/5/2012	2:55:00 PM	10/6/2012	2:40:00 PM
	P0005-AA001-100512-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000441	Regulator # 000593	-27	-10	N	10/5/2012	2:40:00 PM	10/6/2012	2:20:00 PM
	P0005-AA001-100512-002	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # 000424	Regulator # 000634	-31	-7	N	10/5/2012	2:40:00 PM	10/6/2012	2:20:00 PM

Special Instructions: 24 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Brittney.Kelly@westonsolutions.com.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Samples for analysis	[illegible]	10/7/12									

USEPA
DateShipped: 10/6/2012
CarrierName: FedEx
AirbillNo: 898701976944

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name:
Contact Phone:

No: 2-100612-030526-0008
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0007-AA001-100412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A1043	Regulator # FC363	-30	-9	N	10/4/2012	1:20:00 PM	10/5/2012	12:35:00 PM
	P0008-AA001-100412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A366	Regulator # FC083	-29	-6	N	10/4/2012	12:40:00 PM	10/5/2012	12:05:00 PM
	P0009-AA001-100412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A848	Regulator # FC529	-30	-7	N	10/4/2012	12:50:00 PM	10/5/2012	12:10:00 PM
	P0010-AA001-100412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A347	Regulator # FC123	-31	-8	N	10/4/2012	1:00:00 PM	10/5/2012	12:20:00 PM
	P0011-AA001-100412-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A984	Regulator # FC416	-30	-8.5	N	10/4/2012	2:40:00 PM	10/5/2012	1:20:00 PM
	TB-100512	Volatile Organic Compounds	Blank	1	Summa Canister	Summa # A336	NA			N	10/5/2012	12:30:00 PM	10/5/2012	12:30:00 PM

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Brittney.Kelly@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All samples for analysis	[illegible]	10/6/12									

USEPA
DateShipped: 10/6/2012
CarrierName: FedEx
AirbillNo: 898701976944

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name:
Contact Phone:

No: 2-100612-030526-0008
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0002-AA001-100412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A283	Regulator # FC367	-29	-6.5	N	10/4/2012	2:25:00 PM	10/5/2012	1:10:00 PM
	P0003-AA001-100412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A363	Regulator # FC107	-30	-10	N	10/4/2012	3:05:00 PM	10/5/2012	1:30:00 PM
	P0004-AA001-100412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A1031	Regulator # FC533	-29	-8	N	10/4/2012	2:05:00 PM	10/5/2012	1:00:00 PM
	P0005-AA001-100412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A1025	Regulator # FC430	-31	-7	N	10/4/2012	1:45:00 PM	10/5/2012	12:40:00 PM
	P0006-AA001-100412-001	Volatile Organic Compounds, TO-15	Air	1	Summa Canister	Summa # A193	Regulator # FC493	-29	-8	N	10/4/2012	1:30:00 PM	10/5/2012	12:45:00 PM

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Brittney.Kelly@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Samples for analysis	[illegible]	10/6/12									

USEPA
DateShipped: 10/5/2012
CarrierName: FedEx
AirbillNo: 898701976922

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Brittney Kelly
Contact Phone: 908-565-2979

No: 2-100512-122511-0007
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0009-SS001-100312-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A768	Regulator # FC229	-31	-10	N	10/3/2012	2:15:00 PM	10/4/2012	12:45:00 PM
	P0010-SS001-100312-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A1013	Regulator # FC192	-31	-10	N	10/3/2012	2:25:00 PM	10/4/2012	12:55:00 PM
	P0010-SS001-100312-002	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A829	Regulator # FC292	-31	-2	N	10/3/2012	2:25:00 PM	10/4/2012	12:55:00 PM
	P0011-SS001-100312-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A768	Regulator # FC254	-31	-10	N	10/3/2012	3:50:00 PM	10/4/2012	2:35:00 PM
	TB-100412	Volatile Organic Compounds	Blank	1	Summa Canister	Summa # A319	NA			N	10/4/2012	12:30:00 PM	10/4/2012	12:30:00 PM

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Brittney.Kelly@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Samples for analysis	[signature]	10/5/12									

USEPA
DateShipped: 10/5/2012
CarrierName: FedEx
AirbillNo: 898701976922

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Brittney Kelly
Contact Phone: 908-585-2979

No: 2-100512-122511-0007
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0002-SS001-100312-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A285	Regulator # FC293	-27	-4	N	10/3/2012	3:35:00 PM	10/4/2012	2:20:00 PM
	P0003-SS001-100312-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A470	Regulator # FC254	-30	-8	N	10/3/2012	4:00:00 PM	10/4/2012	3:00:00 PM
	P0004-SS001-100312-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A775	Regulator # FC243	-30	-9	N	10/3/2012	3:15:00 PM	10/4/2012	2:00:00 PM
	P0005-SS001-100312-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A639	Regulator # FC491	-30	-10	N	10/3/2012	3:00:00 PM	10/4/2012	1:40:00 PM
	P0006-SS001-100312-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A842	Regulator # FC102	-30	-8	N	10/3/2012	2:50:00 PM	10/4/2012	1:25:00 PM
	P0007-SS001-100312-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A833	Regulator # FC398	-30	-8	N	10/3/2012	2:35:00 PM	10/4/2012	1:15:00 PM
	P0008-SS001-100312-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A214	Regulator # FC435	-27	-5	N	10/3/2012	2:05:00 PM	10/4/2012	12:35:00 PM

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Brittney.Kelly@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All samples for analysis	[illegible]	10/5/12									

USEPA
DateShipped: 10/4/2012
CarrierName: FedEx
AirbillNo: 898701976911

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Brittney Kelly
Contact Phone: 908-565-2979

No: 2-100412-093602-0006
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0008-AA001-100212-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A748	Regulator # FC388	-30	-8	N	10/2/2012	2:38:00 PM	10/3/2012	2:00:00 PM
	P0009-AA001-100212-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A351	Regulator # FC088	-25	-1	N	10/2/2012	2:30:00 PM	10/3/2012	2:10:00 PM
	P0010-AA001-100212-001	TO-15, Volatile Organic Compounds	Air	1	Summa Canister	Summa # A332	Regulator # FC354	-30	-8	N	10/2/2012	1:25:00 PM	10/3/2012	12:45:00 PM
	P0011-AA001-100212-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A313	Regulator # FC258	-31	-7	N	10/2/2012	3:55:00 PM	10/3/2012	3:45:00 PM

BK

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Brittney.Kelly@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Samples for analysis	[illegible]	10/4/12									

USEPA
DateShipped: 10/4/2012
CarrierName: FedEx
AirbillNo: 898701976911

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Brittney Kelly
Contact Phone: 908-565-2979

No: 2-100412-093602-0006
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0002-AA001-100212-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A834	Regulator # FC372	-31	-5	N	10/2/2012	3:42:00 PM	10/3/2012	3:30:00 PM
	P0003-AA001-100212-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A316	Regulator # FC163	-29	-7	N	10/2/2012	1:33:00 PM	10/3/2012	12:50:00 PM
	P0004-AA001-100212-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A449	Regulator # FC112	-29	-5	N	10/2/2012	3:25:00 PM	10/3/2012	3:10:00 PM
	P0005-AA001-100212-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A448	Regulator # FC441	-29	-5	N	10/2/2012	3:05:00 PM	10/3/2012	2:55:00 PM
	P0005-AA001-100212-002	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A870	Regulator # FC376	-28	-5	N	10/2/2012	3:05:00 PM	10/3/2012	2:55:00 PM
	P0006-AA001-100212-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A375	Regulator # FC386	-31	-9	N	10/2/2012	2:54:00 PM	10/3/2012	2:45:00 PM
	P0007-AA001-100212-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A633	Regulator # FC054	-26.5	-5	N	10/2/2012	2:45:00 PM	10/3/2012	2:30:00 PM

Special Instructions: 24 to 48 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Brittney.Kelly@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All samples for analysis	[signature]	10/4/10									

 HL

8987-0197-6782

USEPA
DateShipped: 10/2/2012
CarrierName: FedEx
AirbillNo: 898701976782

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Brittney Kelly
Contact Phone: 908-665-2909

TB18076

No: 2-100212-113558-0005
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Number Cont	Container	Pump #	OrificeID	Start Flow Rate	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
-1	P0004-AA001-100112-001	TO-15, Volatile Organic Compounds	Air	1	Summa Canister	Summa # A460	Regulator # FC268		-30	-5	N	10/1/2012	8:18:00 AM	10/2/2012	8:18:00 AM
-2	P0010-AA001-100112-001	TO-15, Volatile Organic Compounds	Air	1	Summa Canister	Summa # A235	Regulator # FC525		-30	-2.5	N	10/1/2012	10:10:00 AM	10/2/2012	10:15:00 AM

Special Instructions: 24 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Brittney.Kelly@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All samples for analysis	[illegible]	10/2/12	Fed Ex				Fed Ex	10/3/12	[illegible]	10/3/12	[illegible]

JB17963

USEPA
DateShipped: 10/1/2012
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
RFP # 236
Contact Name: Brittney Kelly
Contact Phone: 908-668-2979

No: 2-100112-130409-0004
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
1	P0002-AA001-093012-001	TO-15, Volatile Organic Compounds	Air	1	Summa Canister	Summa # A310	Regulator # FC172	-29.5	-2.5	N	9/30/2012	11:15:00 AM	10/1/2012	11:20:00 AM
2	P0004-AA001-093012-001	TO-15, Volatile Organic Compounds	Air	1	Summa Canister	Summa # A814	Regulator # FC510	-30	-4	N	9/30/2012	8:15:00 AM	10/1/2012	8:14:00 AM
3	P0010-AA001-093012-001	TO-15, Volatile Organic Compounds	Air	1	Summa Canister	Summa # A360	Regulator # FC056	-30	-12.8	N	9/30/2012	9:53:00 AM	10/1/2012	10:00:00 AM

Special Instructions: 24 Hour TAT for Preliminary Data. Samples to be analyzed using the TO-15 method. Please email results to S.Sumbaly@westonsolutions.com and Brittney.Kelly@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All samples for analysis	[illegible]	10/1/12	[illegible]	10/1/12							
	[illegible]	0800 10/2/12	[illegible]	10/2/12	0800						

USEPA
DateShipped: 10/1/2012
CarrierName: Hand Delivery
AirbillNo: NA

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Joel Petty
Contact Phone: 732-570-4943

No: 2-093012-200017-0003
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0007-AA001-092912-002	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A838	Regulator # FC481	-30	-5	N	9/29/2012	11:12:00 AM	9/30/2012	11:37:00 AM
	P0008-AA001-092912-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A890	Regulator # FC368	-30	-11	N	9/29/2012	11:19:00 AM	9/30/2012	11:50:00 AM
	P0009-AA001-092912-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A1020	Regulator # FC270	-29	-5	N	9/29/2012	11:22:00 AM	9/30/2012	11:35:00 AM
	P0010-AA001-092912-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A881	Regulator # FC298	-29.5	-3	N	9/29/2012	9:20:00 AM	9/30/2012	9:50:00 AM
	P0011-AA001-092912-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A629	Regulator # FC420	-29	-6	N	9/29/2012	8:47:00 AM	9/30/2012	8:40:00 AM
	TB-092912	Volatile Organic Compounds	Blank	1	Summa Canister	Summa # A017				N	9/29/2012	7:00:00 AM		

Special Instructions: Samples to be analyzed using TO-15
24 Hour TAT

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/1/12 1405		10/1/12 1420	1405						

USEPA
DateShipped: 10/1/2012
CarrierName: Hand Delivery
AirbillNo: NA

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Joel Petty
Contact Phone: 732-570-4943

No: 2-093012-200017-0003
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0001-AA004-092912-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A892	Regulator # FC245	-28.5	-3.5	N	9/29/2012	7:35:00 AM	9/30/2012	6:58:00 AM
	P0002-AA001-092912-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A325	Regulator # FC135	-30	-9	N	9/29/2012	9:08:00 AM	9/30/2012	9:38:00 AM
	P0003-AA001-092912-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A182	Regulator # FC226	-30	-5	N	9/29/2012	10:37:00 AM	9/30/2012	10:56:00 AM
	P0004-AA001-092912-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A459	Regulator # FC440	-28	-5	N	9/29/2012	8:14:00 AM	9/30/2012	8:15:00 AM
	P0005-AA001-092912-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A085	Regulator # FC384	-30	-3	N	9/29/2012	10:19:00 AM	9/30/2012	10:52:00 AM
	P0006-AA001-092912-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A837	Regulator # FC224	-31	-6.5	N	9/29/2012	9:42:00 AM	9/30/2012	10:03:00 AM
	P0007-AA001-092912-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa # A1024	Regulator # FC282	-28	-4	N	9/29/2012	11:12:00 AM	9/30/2012	11:37:00 AM

Special Instructions: Samples to be analyzed using TO-15
24 Hour TAT

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	10/1/12 1405	[illegible]	10/1/12	1405						

 AIR

USEPA
DateShipped: 9/27/2012
CarrierName: Hand Delivery
AirbillNo: NA

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Mark Conover
Contact Phone: 732-5854440

JB17543 No: 2-092712-100734-0002
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
-1	P0001-AA002-001	Volatile Organic Compounds	Air	1	Summa Canister	541	A246	-29	-7	N	9/25/2012	10:10:00 AM	9/26/2012	10:15:00 AM
-2	P0001-AA003-001	Volatile Organic Compounds		1	Summa Canister	C349	A648	-29	-9	N	9/26/2012	10:15:00 AM	9/26/2012	10:17:00 AM

Special Instructions: % Id TATPER Smith 9-27-12 MD

Summa

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	9/27/2012	[signature]	9/27/12	1320						

USEPA

DateShipped: 9/17/2012
CarrierName: Hand Delivery
AirbillNo: NA

CHAIN OF CUSTODY RECORD

RFP # 238
Contact Name: Joel Petty
Contact Phone: 732-570-4943

No: 2-091412-114240-0001
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0008-AA001-091312-01	Volatile Organic Compounds	Air	1	Summa Canister	Summa #: A849	Regulator #: FC126	-28	-1	N	9/13/2012	12:00:00 PM	9/14/2012	12:35:00 PM
	P0009-AA001-091312-01	Volatile Organic Compounds	Air	1	Summa Canister	Summa #: A854	Regulator #: FC224	-30	-4.5	N	9/13/2012	11:50:00 AM	9/14/2012	12:02:00 PM
	P0010-AA001-091312-01	Volatile Organic Compounds	Air	1	Summa Canister	Summa #: A737	Regulator #: FC307	-32	-5	N	9/13/2012	9:50:00 AM	9/14/2012	9:50:00 AM

Special Instructions: Samples to be analyzed using TO-15
24 Hour TAT

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	9/17/12	[illegible]	9/17/12	905						

USEPA
DateShipped: 9/17/2012
CarrierName: Hand Delivery
AirbillNo: NA

CHAIN OF CUSTODY RECORD
RFP # 238
Contact Name: Joel Petty
Contact Phone: 732-570-4943

No: 2-091412-114240-0001
Lab: Accutest Laboratories
Lab Contact: Susan Gloetz
Lab Phone: 732-329-0200

Lab #	Sample #	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	MS/MSD	Start_Date	Start_Time	Stop_Date	Stop_Time
	P0001-AA001-091312-001	Volatile Organic Compounds	Air	1	Summa Canister	Summa #: A1021	Regulator #: FC451	-28	-3.5	N	9/13/2012	12:35:00 PM	9/14/2012	12:40:00 PM
	P0002-AA001-091312-01	Volatile Organic Compounds	Air	1	Summa Canister	Summa #: A362	Regulator #: FC096	-31	-5	N	9/13/2012	11:53:00 AM	9/14/2012	12:20:00 PM
	P0003-AA001-091312-01	Volatile Organic Compounds	Air	1	Summa Canister	Summa #: A204	Regulator #: FC379	-30	-3	N	9/13/2012	12:08:00 PM	9/14/2012	12:15:00 PM
	P0004-AA001-091312-01	Volatile Organic Compounds	Air	1	Summa Canister	Summa #: A642	Regulator #: FC447	-32	-6	N	9/13/2012	10:25:00 AM	9/14/2012	10:31:00 AM
	P0005-AA001-091312-01	Volatile Organic Compounds	Air	1	Summa Canister	Summa #: A313	Regulator #: FC115	-28	-3	N	9/13/2012	11:40:00 AM	9/14/2012	11:49:00 AM
	P0006-AA001-091312-01	Volatile Organic Compounds	Air	1	Summa Canister	Summa #: A371	Regulator #: FC525	-30	-5	N	9/13/2012	11:30:00 AM	9/14/2012	11:39:00 AM
	P0007-AA001-091312-01	Volatile Organic Compounds	Air	1	Summa Canister	Summa #: A874	Regulator #: FC507	-29	-3	N	9/13/2012	11:24:00 AM	9/14/2012	11:24:00 AM

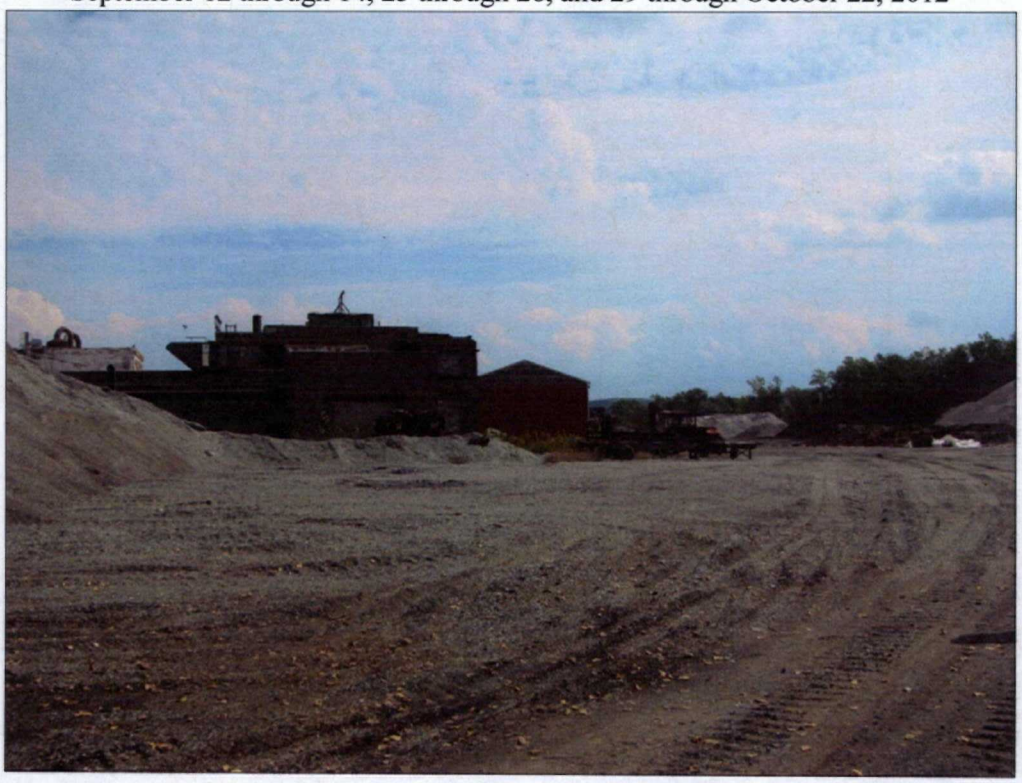
Special Instructions: Samples to be analyzed using TO-15
24 Hour TAT

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

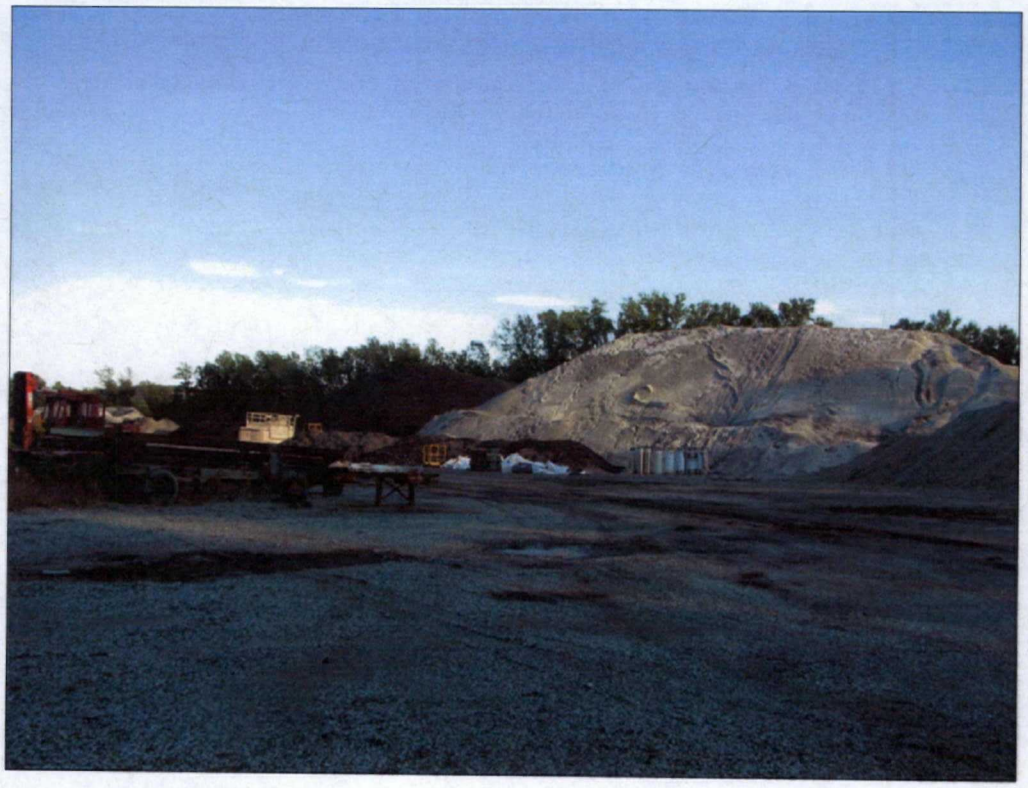
Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all samples all analyses	Joel Petty	9/17/12	[illegible]	9/17/12	900						

Attachment E –Photographic Documentation Log

Photographic Documentation Log
Hillcrest Industries Site
Attica, New York
September 12 through 14, 25 through 26, and 29 through October 22, 2012



Photograph 1: A view of Hillcrest facility facing east and located west of the burning stockpile taken on September 14, 2012 at 1307 hours.

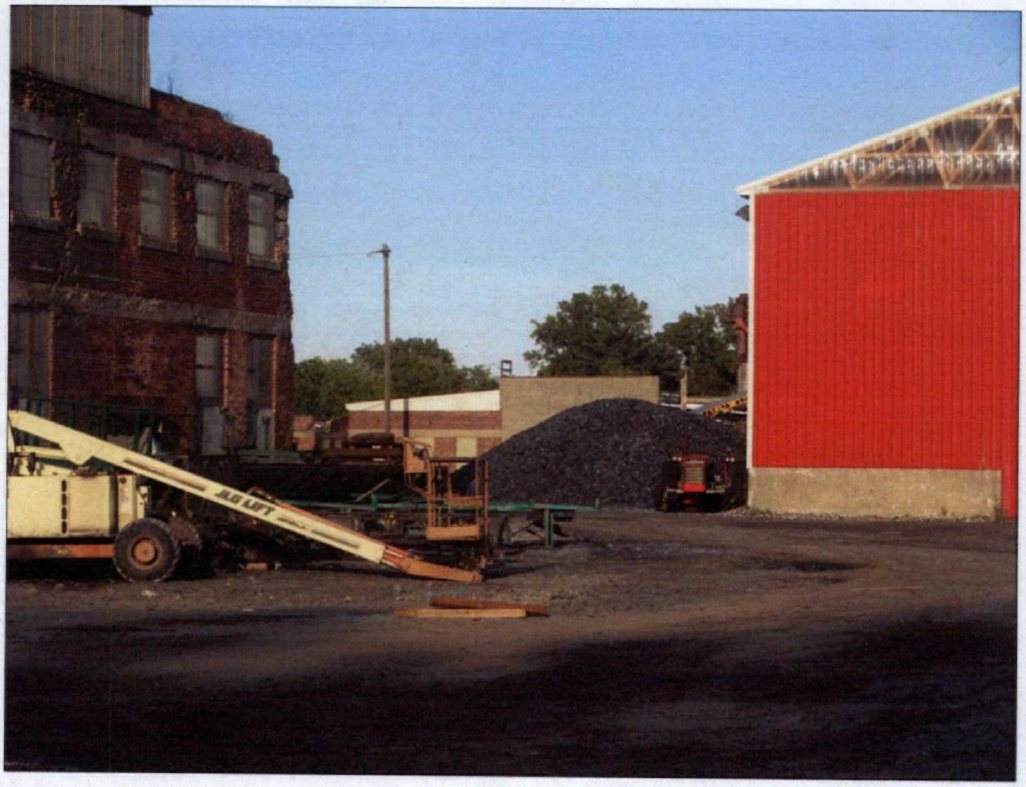


Photograph 2: A view of the burning stockpile facing south taken on September 12, 2012 at 1802 hours.

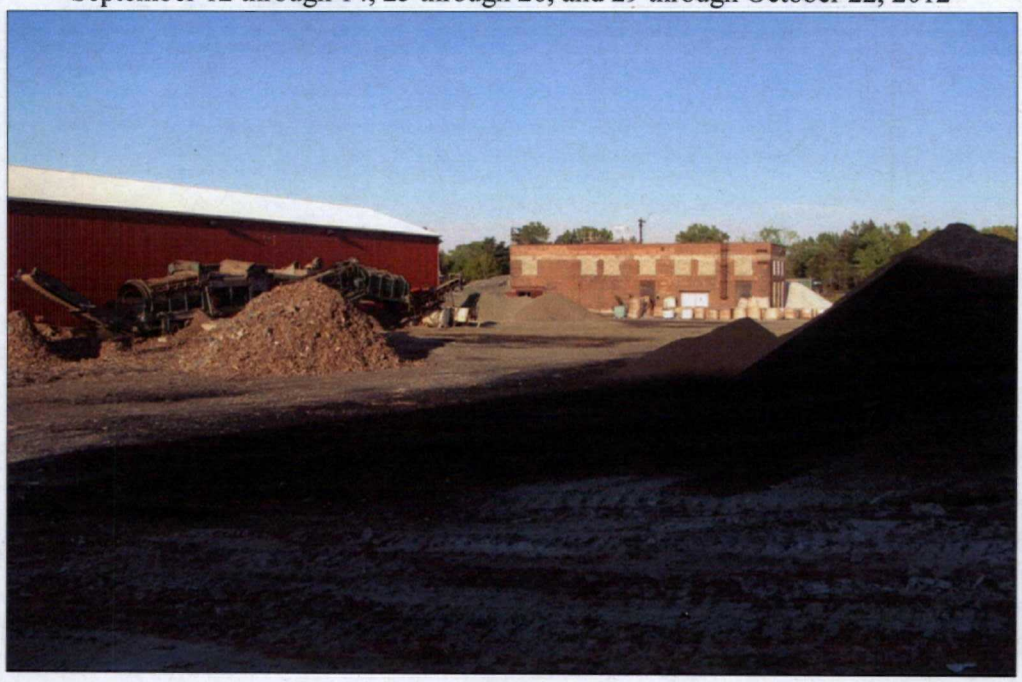
Photograph 3: A view of the burning stockpile facing west taken on September 12, 2012 at 1825 hours.

Photograph 4: A view of the burning stockpile facing south taken on September 13, 2012 at 1318 hours.

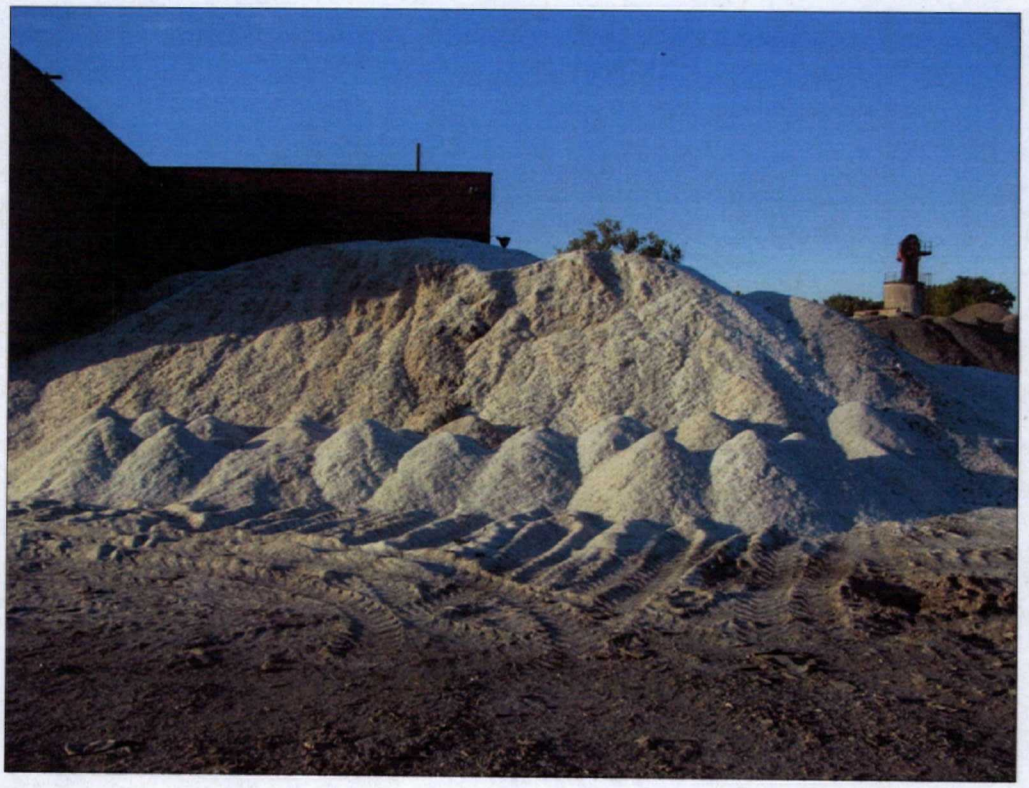
Photograph 5: A view of the burning stockpile facing west from the access path between the burning stockpile and coal slag stockpile taken on September 12, 2012 at 1816 hours.



Photograph 6: A view of Hillcrest Industries facility facing northeast and located northeast of the burning stockpile taken on September 12, 2012 at 1804 hours.

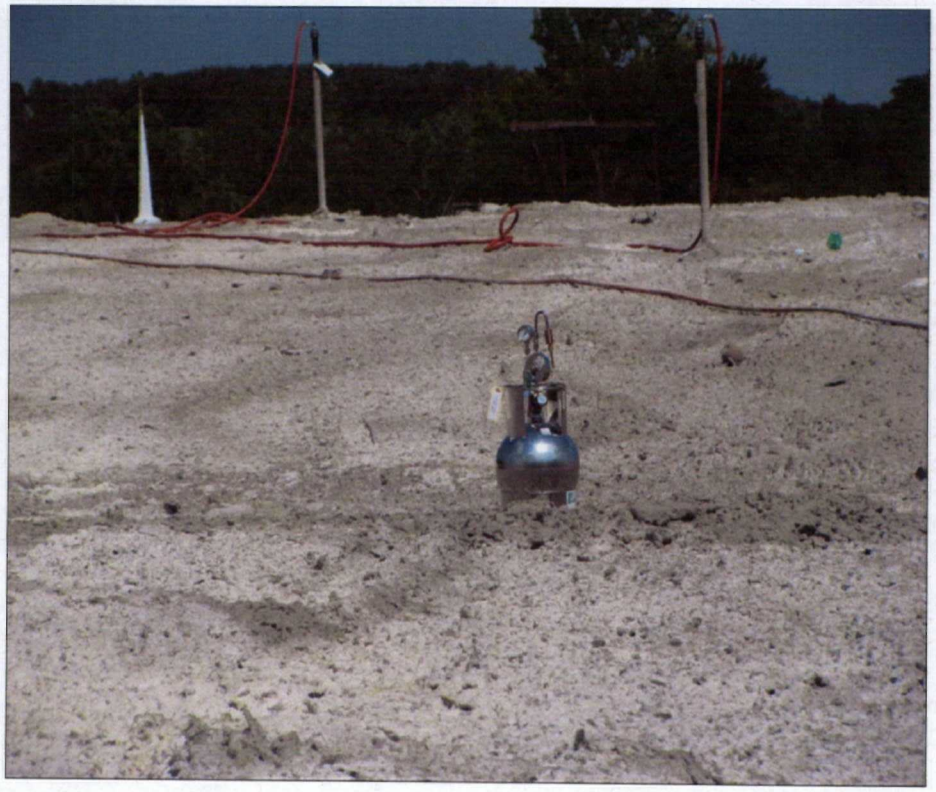


Photograph 7: A view of Hillcrest Industries facility facing east and located northeast of the burning stockpile taken on September 12, 2012 at 1817 hours.

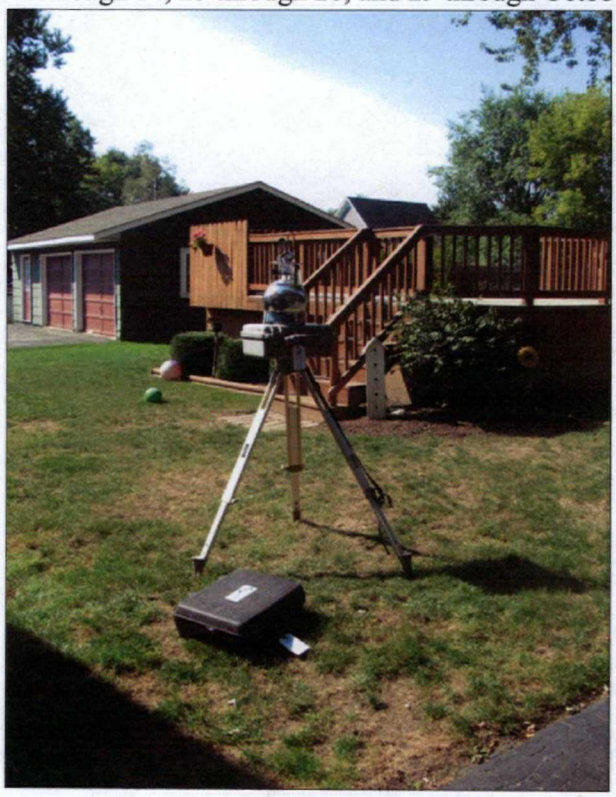


Photograph 8: A view of a finely crushed glass pile stockpile facing north and located northeast of the burning pile taken on September 12, 2012 at 1821 hours.

Photograph 9: A view of the air monitoring/sampling station located at P0003-AA001 in front of the facility and north of the burning stockpile taken on September 13, 2012 at 1740 hours.



Photograph 10: A view of location P0001-AA001 on the burning stockpile taken on September 13, 2012 at 1229 hours.



Photograph 11: A view of the air monitoring/sampling station located at P0006-AA001 on Jackson St. and northeast of the burning stockpile taken on September 13, 2012 at 1127 hours.

Photograph 12: A view of the burning pile on September 29, 2012, the day dismantling and firefighting activities began.

Photographic Documentation Log
Hillcrest Industries Site
Attica, New York
September 12 through 14, 25 through 26, and 29 through October 22, 2012

Photograph 13: A view of the firefighting and dismantling activities on September 29, 2012.

Photograph 14: Loading of debris from the burning pile, which was moved to the east side of the Site where it was cooled and spread out. Photograph taken on September 29, 2012.

Photograph 15: Another view of firefighting and dismantling activities taken on September 29, 2012.

Photograph 16: View of the pile and the progress of dismantling activities taken on October 1, 2012.

Photograph 17: View of the air monitoring/sampling station at P0011-AA001, which includes SERAS' PAH sampling activities taken on October 1, 2012.

Photograph 18: View of the progress of the dismantling of the pile on October 7, 2013.

Attachment F – Lockheed Martin/SERAS' Hillcrest Recycling Site Emergency Response Work Assignment 193-Trip Report

Lockheed Martin Technology Services
Environmental Services/SERAS
2890 Woodbridge Ave, Building 209 Annex
Edison, NJ 08837-3679
Telephone: 732-321-4200 Facsimile: 732-494-4021

LOCKHEED MARTIN

DATE: January 24, 2013

TO: David Mickunas, U.S. EPA/ERT Work Assignment Manager

THROUGH: Dennis Miller, SERAS Program Manager

FROM: Joseph Brandine, SERAS Task Leader

SUBJECT: HILLCREST RECYCLING SITE EMERGENCY RESPONSE WORK ASSIGNMENT 193-TRIP REPORT

BACKGROUND

The United States (U.S.) Environmental Protection Agency/Environmental Response Team (EPA/ERT) was requested by EPA Region II to perform air sampling at the Hillcrest Recycling Site Emergency Response (Site) in Attica, New York (NY). Scientific, Engineering, Response and Analytical Service (SERAS) personnel, at the request of EPA/ERT were tasked to perform air sampling around the Site from September 29, 2012 through October 15, 2012. The sampling effort was performed in response to EPA receiving a request from the New York State Department of Environmental Conservation (NYSDEC) to investigate the Hillcrest Industries facility located on 40 Favor Street in Attica, NY. On September 12, 2012, the Region 2 On-Scene Coordinator (OSC) and EPA Region 2's technical support contractor mobilized to the Site. Reportedly, a fire had been smoldering in a pile of glass/plastic bottles since May 2012. The bottles (an area of approximately one acre and 40 feet high) were being used by Hillcrest Industries to manufacture their product.

OBSERVATIONS AND ACTIVITIES

Air samples for polynuclear aromatic hydrocarbons (PAHs) were collected from September 29, 2012 through October 16, 2012 on a twice daily basis at seven sampling locations. Sampling locations were selected in consultation with EPA/ERT.

Table 1 presents a summary of the PAH air sampling locations. Appendix A contains a map depicting the PAH air sampling locations.

In addition, SERAS personnel assisted the EPA Region II Regional Response Team (RST) with setup and maintenance of a Viper Data Acquisition system utilizing RAE Systems AreaRAE multi-gas monitors.

AIR SAMPLING METHODOLOGY

Ambient sampling and analysis for PAHs was conducted following modified (GC/MS-Selected Ion Monitoring) NIOSH Method 5515, *Polynuclear Aromatic Hydrocarbons*. The sampling train consisted of a 600-milligram (mg) washed XAD-2 solid sorbent tube with 2-micron (µm), 37-millimeter (mm) Teflon (PTFE) filter connected to a low flow personal sampling pump (SKC). The sampling pump was calibrated to collect approximately 1 liter per minute (L/min) of air through the sorbent tube and filter.

Sampling was conducted for a 12-hour period with a target volume of 720 liters (L). Samples were collected within the breathing zone at approximately 3-5 feet above the ground, with the exception of location P0004 which was located on top of a roof.

Sampling equipment was checked by SERAS personnel on a once an hour basis to ensure continuous operation free from pump faults.

AIR SAMPLING EVENTS

A total of 281 PAH samples, including blanks and co-located samples, were collected. Samples were collected at seven locations for 12-hour sampling periods twice each day. A field blank sample was collected with each 12-hour sampling event.

After sample collection, all samples were packaged and chains of custody (COC) were printed using Scribe. The PAH samples were shipped back to the SERAS laboratory in Edison, New Jersey (NJ) for analysis.

Appendix B contains the Air Sampling Data Sheets.

AIR SAMPLING RESULTS

PAHs were detected above their respective reporting limits in five samples.

Biphenyl was detected in three samples collected at location P0003 at concentrations ranging from 0.629 micrograms per cubic meter of air collected ($\mu g/m^3$) in sample# 34001-00165 to a concentration of 0.734 $\mu g/m^3$ in sample# 34001-00148.

Naphthalene was detected in five samples collected at location P0003 at concentrations ranging from 0.603 $\mu g/m^3$ in sample# 34001-00181 to 0.875 $\mu g/m^3$ in sample# 34001-00082.

The remaining compounds were below reporting limits in all other samples.

Table 2 presents the PAH air sampling summary. Appendix C contains the complete Analytical Report.

FUTURE ACTIVITIES

No future activities are anticipated.

cc: Central File WA 193(w/attachments)
Electronic File: I:\Archive\SERAS193-DTR-012413
Dennis Miller, SERAS Program Manager (cover page only)

TABLE 1
Air Sampling Location Summary
Hillcrest Recycling Site Emergency Response
Attica, NY
January 2013

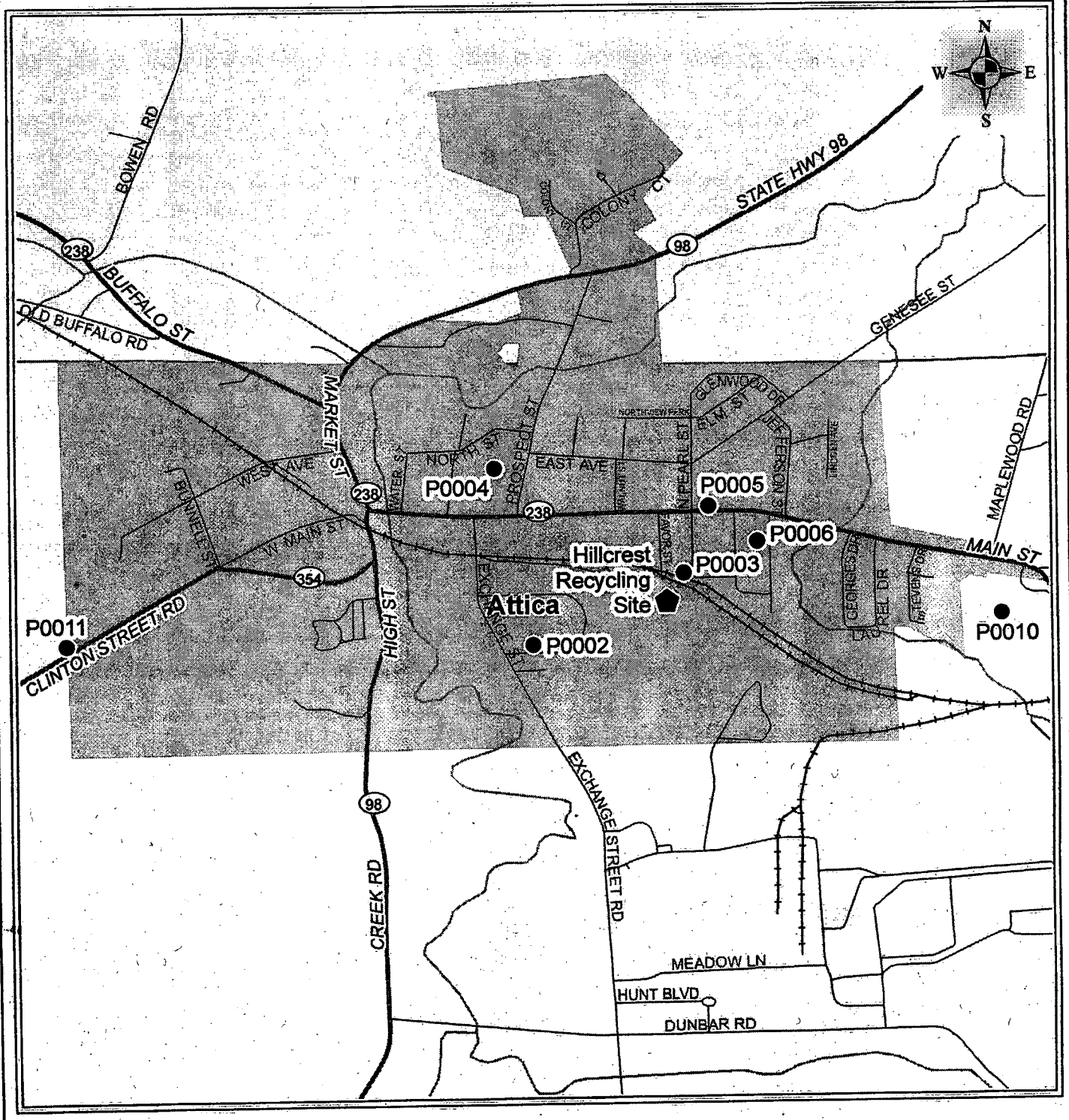
Location	Description	Latitude	Longitude
P0002	Town Park	42.859356	-78.278419
P0003	Welding Shop	42.861904	-78.272995
P0004	Elementary School	42.865734	-78.279778
P0005	Pizza Restaurant	42.864307	-78.272079
P0006	Resident's House	42.863014	-78.270355
P0010	High School	42.860352	-78.261635
P0011	Water Tower (Background)	42.859474	-78.295120

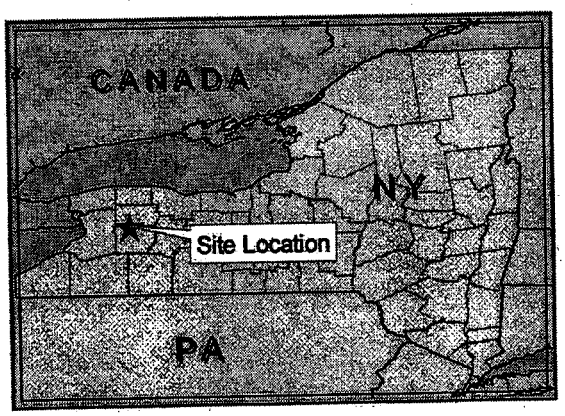
TABLE 2
PAH Air Samples Summary
Hillcrest Recycling Site Emergency Response
Attica, NY
January 2013

Sample Number	34001-0082			34001-0099			34001-0148			34001-0165			34001-0181		
Sample Date	10/03/12			10/04/12			10/07/12			10/08/12			10/09/12		
Sample Location	P0003			P0003			P0003			P0003			P0003		
Analyte	Result	RL	Unit	Result	RL	Unit	Result	RL	Unit	Result	RL	Unit	Result	RL	Unit
Biphenyl	0.663	0.606	µg/m³	ND	0.603	µg/m³	0.734	0.597	µg/m³	0.629	0.613	µg/m³	ND	0.597	µg/m³
Naphthalene	0.875	0.579	µg/m³	0.652	0.577	µg/m³	0.811	0.571	µg/m³	0.801	0.587	µg/m³	0.603	0.571	µg/m³

µg/m³ – Micrograms per cubic meter
RL – Reporting limit
ND – Not detected above reporting limit listed

APPENDIX A
Map Depicting Sampling Locations
Hillcrest Recycling Site Emergency Response
Attica, NY
January 2013





0 0.1 0.2 0.4 0.6 0.8 1 Miles

Legend

- Hillcrest Recycling Site
- Sampling Location

U.S. EPA Environmental Response Team
Scientific Engineering Response and Analytical Services
EP-W-09-031
W.A.# 0-193

Figure 1
Sampling Locations
Hillcrest Recycling Site Emergency Response
Attica, New York

APPENDIX B
Air Sampling Data Sheets
Hillcrest Recycling Site Emergency Response
Attica, NY
January 2013

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillside Recycling Response
WA#: SER 3401/193
Sampler: Adams, Brandine, Morgan
U.S. EPA/ERTC WAM: Mickunas
Date: 9/29/12
SERAS Task Leader: Brandine

Sample #	0001	0002	0003	0004	0005
Location	Elem School P0004	WTR TWR BRG P0011	Park P0002	High School P0010	Park P0006
Pump #	515	382	383	199	315
Media	PAH	→	→	→	→
Analysis/Method	PAH	→	→	→	→
Rotameter	MC	→	→	→	→
Time/Counter (Start)	9/29/12 0820	9/29/12 0842	9/29/12 0910	9/29/12 0920	9/29/12 0947
Time/Counter (Stop)	1310	2042	2056	2111	2130
Total Time	297min	720min	708min	706min	704min
Pump Fault	Y/N	Y/N	Y/N	Y/N	Y/N
Flow Rate (Start)	0.9	1.0	1.0	1.0	1.0
Flow Rate (End)	0.9	1.0	1.0	1.0	1.0
Flow Rate Average	0.9	1.0	1.0	1.0	1.0
Sample Volume	267.3L	720L	708L	706L	704L

MET Station on Site?: Y/N

School - NOON - 8pm

P10
2
3
4
5

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Response
WA#: 193
Sampler: Brandine
U.S. EPA/ERTC WAM: Mickunas
Date: 9/29/12
SERAS Task Leader: Brandine

Sample #	0006	0007	0008	0009	
Location	P0006-CO	Pizza P0005	Weld P0003	Field	
Pump #	390	336	368		
Media	600 mg XAD PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	9/29/12 0947	9/29/12 1025	9/29/12 1040		
Time/Counter (Stop)	2130	2149 9/29/12	2200 9/29/12	9/29/12 2210	
Total Time	704	683	683	0	
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1.0	1.0	1.0		
Flow Rate (End)	1.0	1.0	1.0		
Flow Rate Average	1.0	1.0	1.0		
Sample Volume	704L	683L	683 L	0L	

MET Station on Site?: Y / N

D 0006 - 0950 ASH in Air from Domes Packaging
20 Jackson St D&D - Attical

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Response
WA#: 193
Sampler: Adams, Brandline, Magan
U.S. EPA/ERTC WAM: Mickunas
Date: 9/29/12
SERAS Task Leader: Brandline

Sample #	10	11	12	13	14
Location	P004	13Kg Water tower P011	Park P002	HS P010	Jack P006
Pump #	515	382	383	199	315
Media	600mg XAD + PTFE	→	→	→	→
Analysis/Method	PAH	→	→	→	→
Rotameter	MC	→	→	→	→
Time/Counter (Start)	2018 9/29/12	2047 9/29/12	2101 9/29/12	2118 9/29/12	2140 9/29/12
Time/Counter (Stop)	0810 9/30/12	0820 9/30/12	0881 9/30/12	9/30/12 0912	9/30/12 0925
Total Time	713	+ 165 893 ~~730~~	710	711 +220	706
Pump Fault	Y/N	Y/N	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	0.9	1	1	1
Flow Rate Average	1	0.975	1	1	1
Sample Volume	713L	693L	710L	711L	706L

MET Station on Site?: Y/N

P0004 – ~~268 min~~ Water tower and High school adj. timer.
water btwn filter + tube
P0011 - Filter Fell OFF

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Response
WA#: 193
Sampler: Adams, Brandike, Magan
U.S. EPA/ERTC WAM: Mickunas
Date: 9/29/12
SERAS Task Leader: Brandke

Sample #	15	16	17	18	
Location	Jack P-006-CO	Pizza P-005	Weld P-003	Field	
Pump #	390	336	368		
Media	600XAD PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	2140 9/29/12	2153 9/29/12	2211 9/29/12	9/30/12	
Time/Counter (Stop)	0425	9/30/12 0942	9/30/12 0952	1000	
Total Time	706	709	701	0	
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1		
Flow Rate (End)	1	1	1		
Flow Rate Average	1	1	1		
Sample Volume	706L	709L	701L	0	

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hill crest Recycling Response WA#: 193

Sampler: Adams, Brandre, Mogan U.S. EPA/ERTC WAM: Mickunas

Date: 9/30/12 SERAS Task Leader: Brandre

Sample #	34001-0019	34001-0020	34001-0021	34001-0022	34001-0023
Location	P0004	P0011	P0002	P0010	P0006
Pump #	519	382	383	199	390
Media	600mg XAD + PTFE	→	→	→	→
Analysis/Method	PAH	→	→	→	→
Rotameter	MC	→	→	→	→
Time/Counter (Start)	9/30/12 0815	9/30/12 0844	9/30/12 0902	9/30/12 0918	9/30/12 0935
Time/Counter (Stop)	9/30/12 2012	9/30/12 2028	9/30/12 2044	9/30/12 2100	9/30/12 2114
Total Time	715 min	705 min	704 min	702 min	706 min
Pump Fault	Y/N	Y/N	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	715	705	704	702	706

MET Station on Site?: Y / N

P0004 - water between Pre filter + tube
P0006 - reset timer @ 1817

P0002 @ 9/30/12 1850 - Tripod Collapsed pump still runs Media Unharmed

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Response WA#: 193

Sampler: Adams, Brandre, Maggan U.S. EPA/ERTC WAM: Mickunas

Date: 9/30/12 SERAS Task Leader: Brandre

Sample #	34001-0024	34001-0025	34001-0026		
Location	P0005	P0003	Field		
Pump #	336	368			
Media	600mg XAD + PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	9/30/12 0948	9/30/12 0958	9/30/12 1000		
Time/Counter (Stop)	9/30/12 2127	9/30/12 2138	9/30/12 2240		
Total Time	700min	700min	Ø		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	0		
Flow Rate (End)	1	1	0		
Flow Rate Average	1	1	0		
Sample Volume	700	700	0		

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Response
WA#: 34001 / 193
Sampler: Adams, Brandine, Mayan
U.S. EPA/ERTC WAM: Mickens
Date: 9/30/12
SERAS Task Leader: Brandie

Sample #	0027	0028	0029	0030	0031
Location	P004	P011	~~P002~~ P002	P010	P006
Pump #	519	382	383	199	390
Media	600 x A0 + PTFE	→	→	→	→
Analysis/Method	PAH	→	→	→	→
Rotameter	MC	→	→	→	→
Time/Counter (Start)	9/30/12 2018	9/30/12 2034	9/30/12 2051	9/30/12 2107	9/30/12 2122
Time/Counter (Stop)	10/1/12 0808	10/1/12 0834	10/1/12 0851	10/1/12 0909	10/1/12 0922
Total Time	710	720	720	720	720
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	710	720	720	720	720

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Response
WA#: 34001 / 193
Sampler: Adams, Brandine, Magan
U.S. EPA/ERTC WAM: Mickunas
Date: 9/30/12
SERAS Task Leader: Brandine

Sample #	0032	0033	0034		
Location	P005	P003	Field Blank		
Pump #	336	368			
Media	600mg XAD + PTFE	→	→		
Analysis/Method	PAH	→	→		
Rotameter	MC	→	→		
Time/Counter (Start)	9/30/12 2132	9/30/12 2143			
Time/Counter (Stop)	10/1/12 0932	10/1/12 0943	10/1/12 1000		
Total Time	720L	720	0L		
Pump Fault	Y/N	Y/N	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1	0		
Flow Rate (End)	1	1	0		
Flow Rate Average	1	1	0		
Sample Volume	720L	720L	0L		

MET Station on Site?: Y/N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Complex WA#: 34001 / 143

Sampler: Adams, Brandie, Magan U.S. EPA/ERTC WAM: McKuras

Date: 10/1/12 SERAS Task Leader: Brandie

Sample #	0035	0036	0037	0038	0039
Location	P0004	P0011	Dup P0002	P0010	P0006
Pump #	515	382	383	199	390
Media	600mg XAD2 PTFE	→	→	→	→
Analysis/Method	PAH	→	→	→	→
Rotameter	MC	→	→	→	→
Time/Counter (Start)	10/1/12 0815	10/1/12 0840	10/1/12 0855	10/1/12 0912	10/1/12 0930
Time/Counter (Stop)	2000 10/1/12	2022 10/1/12	2039 10/1/12	2059 10/1/12	2110 10/1/12
Total Time	705	702	702	707	700
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	705	702	702	707	700

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Response

WA#: 34001 /197

Sampler: Adams, Brandne, Magar

U.S. EPA/ERTC WAM: Mickunas

Date: 10/1/12

SERAS Task Leader: Brandne

Sample #	0040	0041	0042		
Location	P0005	P0003	Field Blank		
Pump #	336	368			
Media	60/40 XAD2 PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/1/12 0941	10/1/12 0952	10/1/12 1000		
Time/Counter (Stop)	10/1/12 2121	10/1/12 2131	2200		
Total Time	700	700			
Pump Fault	Y/(N)	Y/(N)	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1			
Flow Rate (End)	1	1			
Flow Rate Average	1	1			
Sample Volume	700	700			

MET Station on Site?: Y/(N)

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Response
WA#: 34001 / 193
Sampler: Adams, Brandine, Magan
U.S. EPA/ERTC WAM: Mickuras
Date: 10/1/12
SERAS Task Leader: Brandine

Sample #	0043	0044	0045	0046	0047
Location	P004	P011	P002	P002-CO	P010
Pump #	138	382	383	447	199
Media	600mg XAD PTFE	→	→	→	→
Analysis/Method	PAH	→	→	→	→
Rotameter	MC	→	→	→	→
Time/Counter (Start)	10/1/12 2008	10/1/12 2027	10/1/12 2048	10/1/12 2048	10/1/12 2103
Time/Counter (Stop)	10/2/12 0808	10/2/12 0827	10/2/12 0848	10/2/12 0848	0903
Total Time	720	720	720	720	720
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	~~4~~ 720L	720L	720L	720L	720L

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Response
WA#: 34001/193
Sampler: Adams, Brandine, Magan
U.S. EPA/ERTC WAM: McKinnis
Date: 10/1/12
SERAS Task Leader: Brandine

Sample #	0048	0049	0050	0051	
Location	P006	P005	P003	Field Blank	
Pump #	390	336	368		
Media	600mg XAD PTFE	→	→	→	
Analysis/Method	PAH	→	→	→	
Rotameter	MC	→	→	→	
Time/Counter (Start)	2114 10/1/12	2127 10/1/12	2136 10/1/12		
Time/Counter (Stop)	10/2/12 0914	10/2/12 0927	10/2/12 0936	10/2/12 1000	
Total Time	720	720	720	Ø	
Pump Fault	Y/(N)	Y/(N)	Y/(N)	Y/(N)	Y/N
Flow Rate (Start)	1	1	1		
Flow Rate (End)	0.9	1	1		
Flow Rate Average	~~0.955~~ 0.95	1	1		
Sample Volume	684L	720L	720L	ØL	

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Response
WA#: 34001 / 198
Sampler: ADAMS, Magan, Brandie
U.S. EPA/ERTC WAM: Mickunas
Date: 10/2/12
SERAS Task Leader: Brandie

Sample #	0052	0053	0054	0055	0057
Location	P0004 ES	WT P0011	P0002	P0010	Pizza P0005
Pump #	138	382	~~383~~ 447	199	336
Media	XAD-2 PITi	→	→	→	→
Analysis/Method	PAH	→	→	→	
Rotameter	MC	→	→	→	
Time/Counter (Start)	10/2/12 0825	10/2/12 0847	10/2/12 0928	10/2/12 0944	10/2/12 0956
Time/Counter (Stop)	2013 10/2/12	2027 10/2/12	2108 10/2/12	2123 10/2/12	2142 10/2/12
Total Time	707	700	700	700	706
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	0.9
Flow Rate Average	1	1	1	1	0.95
Sample Volume	707	700	700	700	670.7

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest recycling Response

WA#: 34001 / 193

Sampler: Adams, Magan Brandre

U.S. EPA/ERTC WAM: Mickunas

Date: 10/2/12

SERAS Task Leader: Brandre

Sample #	0056	0058	0059		
Location	Jackson P0006	West P0003	Field Blank		
Pump #	390	368	✓		
Media	XAD-2 60/m PT FE	→	→		
Analysis/Method	PAH	—	—		
Rotameter	MC	—	—		
Time/Counter (Start)	10/2/12 1007	10/2/12 1018	10/2/12 22:30		
Time/Counter (Stop)	ST 10/2/12 1 2252	10/2/12 2212	10/2/12 22:30		
Total Time	515	714	Ø		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	✓		
Flow Rate (End)	1	1	✓		
Flow Rate Average	1	1	✓		
Sample Volume	515	714	Ø		

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Response WA#: 34001 / 143

Sampler: Volker / Magan U.S. EPA/ERTC WAM: D. Mickunas

Date: 10/02/12 SERAS Task Leader: Brandre

	60	61	62	63	64
Sample #	~~34001-0052~~	~~34001-053~~	~~34001-0054~~	34001-055	~~34001-057~~
Location	Elem School P004	Water Tower P011	Park P002	High School P010	Pizza P005
Pump #	138	382	447	199	336
Media	XAD-2 PTFE	→	→	→	→
Analysis/Method	PAH	→	→	→	→
Rotameter	MC	→	→	→	→
Time/Counter (Start)	2018 10/2/12	2034 10/2/12	2111 10/2/12	2132 10/2/12	2147 10/2/12
Time/Counter (Stop)	10/3/12 0808	10/3/12 0824	10/3/12 0851	10/3/12 0912	10/3/12 0927
Total Time	710	710	700	700	700
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	710	710			

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Response
WA#: 34001 / 149
Sampler: Volker / Hagan
U.S. EPA/ERTC WAM: D Mickunas
Date: 10/02/12
SERAS Task Leader: Brandao

	65	66	67		
Sample #	~~34001-056~~	~~34001-058~~	~~34001-059~~		
Location	Jefferson St P0006	Weld Shop P0003	Trip Blank		
Pump #	315	368			
Media	XAD2 PTFE	XAD2 PTFE			
Analysis/Method	PAH	PAH			
Rotameter	MC	MC			
Time/Counter (Start)	2205 10/02	2218 10/02	2220 10/02		
Time/Counter (Stop)	10/3/12 0945	10/3/12 0958			
Total Time	700	700			
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1			
Flow Rate (End)	1	1			
Flow Rate Average	1	1			
Sample Volume	700L				

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Response
WA#: 193
Sampler: Brandine, Völker
U.S. EPA/ERTC WAM: Mickunas
Date: 10/3/12
SERAS Task Leader: Brandine

Sample #	0068 ~~0076~~	0069 ~~0077~~	0070 ~~0078~~	0071 ~~0079~~	0073 ~~0072~~ ~~0080~~
Location	P0004 ES	P0011 WT	P0002 Park	P0010 H.S	P0005 Pizza
Pump #	138	382	383	199	336
Media	XAD-2 600mG PTFE	→	→	→	→
Analysis/Method	PAH	→	→	→	→
Rotameter	MC	→	→	→	→
Time/Counter (Start)	10/3/12 0814	10/3/12 0830	10/3/12 0859	10/3/12 0915	10/3/12 0931
Time/Counter (Stop)	10/3/12 2012	10/03/12 2030	10/3/12 2053	10/3/12 2109	10/3/12 2121
Total Time	720	720	715	713	711
Pump Fault	Y/N	Y/N	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	720	720	715	713	711

MET Station on Site?: Y/N

P0002 - APC Pump changed prior to Sampling

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Response
WA#: 193
Sampler: Brandine, Volker
U.S. EPA/ERTC WAM: Mickunas
Date: 10/3/12
SERAS Task Leader: Brandine

Sample #	~~0073~~ 0072 ~~0081~~	~~0074~~ 0074 ~~0082~~	~~0075~~ 0075 ~~0083~~		
Location	P0006 JH	P0003 W	Field Blank		
Pump #	315	368			
Media	XAD-2 600mg PTFE				
Analysis/Method	RAH				
Rotameter	MC				
Time/Counter (Start)	10/3/12 0948	10/3/12 1002			
Time/Counter (Stop)	10/3/12 2134	10/3/12 2151			
Total Time	705	709	Ø		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1			
Flow Rate (End)	1	1			
Flow Rate Average	1	1	Ø		
Sample Volume	705	709	Ø		

MET Station on Site?: Y / (N)

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Response
WA#: 0-193
Sampler: Volker / Newhart
U.S. EPA/ERTC WAM: Hickunas
Date: 10/03/12
SERAS Task Leader: Brandine

Sample #	0076	0077	0078	0079	0080
Location	P0004 ES	P0011 WT	P0002 Park	P0010 HS	P0005 PIZZA
Pump #	138	382	383	199	336
Media	XAD-2 PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/3/12 2028	10/3/12 2044	10/3/12 2101	10/3/12 2116	10/3/12 2128
Time/Counter (Stop)	10/4/12 0808	10/4/12 0824	10/4/12 0842	10/4/12 0901	10/4/12 0918
Total Time	700	700	701	705	710
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	700L	700L	701L	705L	710L

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling Response
WA#: 0-193
Sampler: Völker / Neuhart
U.S. EPA/ERTC WAM: Mickunas
Date: 10/03/12
SERAS Task Leader: Brandike

Sample #	0081	0082	0083		
Location	P0006 JH	P0003 H	~~a Trip~~ Field Blank		
Pump #	315	368			
Media	XAD-2 PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/3/12 2144	10/3/12 2200			
Time/Counter (Stop)	10/4/12 0934	10/4/12 0950	10/4/12 1000		
Total Time	710	710	Ø		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1			
Flow Rate (End)	1	1			
Flow Rate Average	1	1			
Sample Volume	710L	710L	ØL		

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling
WA#: 193
Sampler: Brandine, Valker
U.S. EPA/ERTC WAM: Mickunas
Date: 10/4/12
SERAS Task Leader: Brandine

Sample #	0084	0085	0086	0087	0088
Location	P0004 FS	P0011 WT	P0002 Bd	P0010 AS	P0010-CO
Pump #	138	382	383	199	447
Media	XAD2-600mg PTFE	→	→	→	→
Analysis/Method	PAH	→	→	→	→
Rotameter	MC.	→	→	→	→
Time/Counter (Start)	10/4/12 0811	10/4/12 0832	10/4/12 0847	10/4/12 0911	10/4/12 0911
Time/Counter (Stop)	10/4/12 2011	10/4/12 2046	10/4/12 2003	10/4/12 2120	10/4/12 2120
Total Time	720	720	720		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	720L	720L	720L	720L	720L

MET Station on Site?: Y / N

P0011 - Replaced pump

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest Recycling
WA#: 193
Sampler: Bradine, Valtier
U.S. EPA/ERTC WAM: Mickunas
Date: 10/4/12
SERAS Task Leader: Bradine

Sample #	0089	0090	0091	0092	
Location	P0005 P2	P0006 JH	P0003 well	Field Blank	
Pump #	336	315	368		
Media	XAD2 PTFE	—	—	—	
Analysis/Method	PAH	—	—	—	
Rotameter	MC	—	—	—	
Time/Counter (Start)	10/4/12 0925	10/4/12 0940	10/4/12 0955	10/4/12	
Time/Counter (Stop)	10/4/12 2139	10/4/12 2152	10/4/12 2204	10/4/12 2210	
Total Time	720	720	720	0	
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1		
Flow Rate (End)	1	1	1		
Flow Rate Average	1	1	1		
Sample Volume	720 L	720 L	720 L	0 L	

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest

WA#: 0-193

Sampler: Volker / Newhart

U.S. EPA/ERTC WAM: Mickunas

Date: 10/4/12 (pm)

SERAS Task Leader: Brandine

Sample #	0093	0094	0095	0096	0097
Location	P0004 EK	P0011 WT	P0002 Park	P0010 HS	P0005 PIZZA
Pump #	138	382	383	199	336
Media	XAD2 PTFE	—	—	—	—
Analysis/Method	PAH	—	—	—	—
Rotameter	HC	—	—	—	—
Time/Counter (Start)	10/4/12 2076	10/4/12 2054	10/4/12 2112	10/4/12 2133	10/4/12 2148
Time/Counter (Stop)	10/5/12 0816	10/5/12 0854	10/5/12 0902	10/5/12 0920	10/5/12 0930
Total Time	710	710	710	706	710
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	
Flow Rate Average	1	1	1	1	
Sample Volume	710 L	710	710	706	710

MET Station on Site?: Y / (N)

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Millcrest Recycling
WA#: 0-195
Sampler: Volker / Newhart
U.S. EPA/ERTC WAM: Mickunas
Date: 10/4/12 (pm)
SERAS Task Leader: Brandine

Sample #	0098	0099	0100		
Location	P0006 JH	P0003 Well	Field Blank		
Pump #	315	368			
Media	XAD2 PTFE	—	—		
Analysis/Method	PAH	—	—		
Rotameter	MC	—	—		
Time/Counter (Start)	10/4/12 2200	10/4/12 2213	10/4/12 2215	N	A
Time/Counter (Stop)	10/5/12 0955	10/5/12 1005	10/5/12 1010 ~~0848~~		
Total Time	713	713			
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1			
Flow Rate (End)	1	1			
Flow Rate Average	1	1			
Sample Volume	713	713			

MET Station on Site?: Y / N

~~New Lot # 226-30-06~~ Jm

Cat # not lot.

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest

WA#: 0-193

Sampler: McCall / Newhart

U.S. EPA/ERTC WAM: Mickunas

Date: 10/5/12 (AM)

SERAS Task Leader: Brandine

Sample #	0101	0102	0103	0104	0105
Location	P0004 ES	P0011 WT	P0002 Park	P0010 HS	P0005 piggy
Pump #	138	382	383	199	336
Media	XAD 2 PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/5/12 0828	10/5/12 0848	10/5/12 0911	10/5/12 0930	10/5/12 0947
Time/Counter (Stop)	10/5/12 1523	10/5/12 2036	10/5/12 2050	10/5/12 2115	10/5/12 2129
Total Time	417L	707	701	707	704
Pump Fault	Y/N	Y/N	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	417L	707L	701L	707L	704L

MET Station on Site?: Y/N

The breaker had popped. Breaker had to reset.

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hill crest
WA#: 0-193
Sampler: McCall / Newhart
U.S. EPA/ERTC WAM: Mickunas
Date: 10/5/12 (AM)
SERAS Task Leader: Brandine

Sample #	0106	0107	0108		
Location	P0006 JH	P0003 Well	Field Blank		
Pump #	315	368			
Media	XAD2 PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/5/12 10:01	10/5/12 1016	10/5/12 ~~0848~~		
Time/Counter (Stop)	10/5/12 2139	10/5/12 2201	2210		
Total Time	700	708			
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1			
Flow Rate (End)	1				
Flow Rate Average	1				
Sample Volume	700 L	708 L			

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest

WA#: D-193

Sampler: ~~Hetch~~ Rafal/Newhart

U.S. EPA/ERTC WAM: Yickunas

Date: 10/5/12 (PM)

SERAS Task Leader: Brandine

Sample #	0109	0110	0111	0112	0113
Location	P0004 ES	P0011 WT	P0002 Park	P0010 HS	P0005 PZZA
Pump #	138	382	383	199	336
Media	XAD2 PTFE	—	—	—	—
Analysis/Method	PAH	—	—	—	—
Rotameter	MC	—	—	—	—
Time/Counter (Start)	10/5/12 2025	10/5/12 2097	10/5/12 2105	10/4/12 2124	10/5/12 2135
Time/Counter (Stop)	10/6/12 0810 ~~2025~~ ~~10/6/12~~	10/6/12 0841	10/6/12 0905	10/6/12 0924	10/6/12 0935
Total Time	703	720	720	720	720
Pump Fault	Y (N)	Y/N	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	703	720	720	720	720

MET Station on Site?: Y (N)

Pump 382 changed out ~~for~~ on 10/6/12

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest

WA#: 0-193

Sampler: Volker / Newhart

U.S. EPA/ERTC WAM: Trichunas

Date: 10/5/12 (PM)

SERAS Task Leader: Brandine

Sample #	0114	0115	0116		
Location	A0006 JH	A0003 Weld	Field Blank		
Pump #	447	368			
Media	XAD2 PTFE	—	—		
Analysis/Method	PAH	—	—		
Rotameter	MC	—	—		
Time/Counter (Start)	10/5/12 2154	10/5/12 2208	—		
Time/Counter (Stop)	10/6/12 09:50	10/6/12 1000	10/6/12 1010		
Total Time	713	713			
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1			
Flow Rate (End)	1	1			
Flow Rate Average	1	1			
Sample Volume	713	713			

N/A

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: McCall / Newhart
U.S. EPA/ERTC WAM: Mickunas
Date: 10/6/12 (AM)
SERAS Task Leader: Brandine

Sample #	0117	0118	0119	0120	0121
Location	P0004 ES	P0011 WT	P0002 Park	P0010 HS	P0005 Pizza
Pump #	138	~~300~~ 140	383	199	336
Media	XAD2 PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/6/12 0828	10/6/12 0900	10/6/12 0915	10/6/12 0931	10/6/12 0941
Time/Counter (Stop)	10/6/12 ~~688~~ 1957	10/6/12 2017	10/6/12 2039	10/6/12 2053	10/6/12 2124
Total Time	688	680	685	684	704
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	688L	680L	685L	684L	704L

MET Station on Site?: Y / N

Filter for P0004 had fallen off
windy condition

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest

WA#: 0-193

Sampler: McCall

U.S. EPA/ERTC WAM: Mickunus

Date: 10/6/12 (AM

SERAS Task Leader: Brandne

Sample #	0122	0123	0124		
Location	P0006 JH	P0003 Weld	Field Blank		
Pump #	447	368			
Media	XAD2 PTFE	—	—		
Analysis/Method	PAH	—	—		
Rotameter	MC	—	—		
Time/Counter (Start)	10/6/12 0953	10/6/12 1007			
Time/Counter (Stop)	10/6/12 2136	10/6/12 2149	10/6/12 2155	N	A
Total Time	705	704			
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1			
Flow Rate (End)	1	1			
Flow Rate Average	1	1			
Sample Volume	705L	704L			

MET Station on Site?: Y (N)

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: Volker / Neuhart
U.S. EPA/ERTC WAM: Mickunas
Date: 10/6/12 (PM)
SERAS Task Leader: Brandine

Sample #	0125	0126	0127	0128	0129
Location	P0004 ES	P0011 WT	P0002 Park	P0010 HS	P0010-CO HS
Pump #	138	140	383	332	315
Media	XAD2 PTFE	—	—	—	—
Analysis/Method	PAH	—	—	—	—
Rotameter	MC	—	—	—	—
Time/Counter (Start)	10/6/12 2003	10/6/12 2030	10/6/12 2045	10/6/12 2116	10/6/12 2116
Time/Counter (Stop)	10/7/12 0803	10/7/12 0830	10/7/12 0845	10/7/12 0905	10/7/12 0905
Total Time	720	720	720	710	710
Pump Fault	Y/N	Y/N	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	720	720	720	710	710

MET Station on Site?: Y/N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Millbrest
WA#: 0-193
Sampler: Volker / Newhart
U.S. EPA/ERTC WAM: Mickunas
Date: 10/6/12 (PM)
SERAS Task Leader: Brandine

Sample #	0130	0131	0132	0133	
Location	P0005 PIZZA	P0006 JH	P0003 Wold	Field Blank	
Pump #	336/300	447/393	368	—	
Media	XAD2 PTFE	—		—	
Analysis/Method	PAH	—		—	
Rotameter	MC	—		—	
Time/Counter (Start)	10/6/12 2132	10/6/12 2145	10/6/12 2156	10/6/12	
Time/Counter (Stop)	pump 336=400 min pump 300=310 min 10/7/12 0929	pump 447=344 min pump 393=366 min 10/7/12 0940	10/7/12 0953	10/7/12 0958	
Total Time	710	710	715	—	
Pump Fault	(Y)/N	(Y)/N	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1	1		
Flow Rate (End)	1	1	1		
Flow Rate Average					
Sample Volume	710	710	715	0	

MET Station on Site?: Y/(N)

Pumps were changed out due to excessive sputtering

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: McCall / Newhart
U.S. EPA/ERTC WAM: Mickunas
Date: 10/7/12 (AM)
SERAS Task Leader: Brandine

Sample #	0134	0135	0136	0137	0138
Location	P0004 ES	P0011 WT	P0002 Park	P0010 HS	P0005 pizza
Pump #	138	140	383	332	300
Media	XAD 2 PTFE	→	→	→	→
Analysis/Method	PAH	→	→	→	→
Rotameter	MC	→	→	→	→
Time/Counter (Start)	10/7/12 0812	10/7/12 0837	10/7/12 0851	10/7/12 0917	10/7/12 0932
Time/Counter (Stop)	10/7/12 1956	10/7/12 2016	10/7/12 2032	10/7/12 2047	10/7/12 2101
Total Time	706	701	704	693	690
Pump Fault	Y/N	Y/N	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	706L	701 L	704 L	693 L	690L

MET Station on Site?: Y (N)

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: Völker/Neuhart
U.S. EPA/ERTC WAM: Mickunas
Date: 10/7/12 (PM)
SERAS Task Leader: Brandine

Sample #	0142	0143	0144	0145	0146
Location	P0004 ES	P0011 WT	P0002 Park	P0010 HS	P0005 Pizza
Pump #	138	140	383	332	300
Media	XAD2 PTFE	→	→	→	→
Analysis/Method	PAH	→	→	→	→
Rotameter	MC	→	→	→	→
Time/Counter (Start)	10/7/12 2004	10/7/12 2024	10/7/12 2039	10/7/12 2053	10/7/12 2104
Time/Counter (Stop)	10/8/12 0804	10/8/12 0824	10/8/12 0839	10/8/12 0853	10/8/12 0904
Total Time	720	720	720	720	720
Pump Fault	Y/N	Y/N	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1			
Sample Volume	720	720			

MET Station on Site?: Y/N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Millcrest

WA#: 0-193

Sampler: Volker / Newhart

U.S. EPA/ERTC WAM: Mickeunas

Date: 10/7/12 (PM)

SERAS Task Leader: Brandine

Sample #	01467	01478	0149		
Location	P0006 JH	P0003 Weld	Field Blank		
Pump #	393	368	—		
Media	XAD2 PTFE	—	—		
Analysis/Method	PAH	—	—		
Rotameter	MC	—	—		
Time/Counter (Start)	10/7/12 2119	10/7/12 2130	10/7/12		
Time/Counter (Stop)	10/8/12 0919	10/8/12 0930	10/8/12 0935	N	A
Total Time	720	720	0		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	—		
Flow Rate (End)	1	1	—		
Flow Rate Average	1	1	—		
Sample Volume	720L	720L	0 L		

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: McCall / Newhart
U.S. EPA/ERTC WAM: Mickunas
Date: 10/8/12 (AM)
SERAS Task Leader: Brandine

Sample #	0150	0151	0152	0153	
Location	P0004 ES	P0011 WT	P0002 Park	P0010 HS	P0010-CO HS
Pump #	138	315	383	332	140
Media	XAD2 PTFE	→	→	→	
Analysis/Method	PAH	→	→	→	
Rotameter	MC	→	→	→	
Time/Counter (Start)	10/8/12 0811	10/8/12 0852	10/8/12 0917	10/8/12 0948 ~~0933~~	10/8/12 0933
Time/Counter (Stop)	?	10/8/12 2024	10/8/12 2040	10/8/12 2055	
Total Time	—	694	685	670	
Pump Fault	Y/N	Y/N	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1	1	1	
Flow Rate (End)	1	1	1	0.8	
Flow Rate Average	1	1	1	0.9	
Sample Volume	Invalid	694 L	685 L	670 L	

MET Station on Site?: Y/N

Changed pump 140 to 315

Pump 138 was on @ 12:30 | Not On at 8:00 PM volume can not be determined

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: McCall / Newhart
U.S. EPA/ERTC WAM: Hickenas
Date: 10/8/12 (AM)
SERAS Task Leader: Brandine

Sample #	0154	0155	0156	0157	
Location	P0005 pigge	P0006 JH	P0003 weld	Field Blank	
Pump #	300	393	368	—	
Media	XAD2 PTFE	—	—	—	
Analysis/Method	PAH	—	—	—	
Rotameter	MC	—	—	—	
Time/Counter (Start)	10/8/12 0959	10/8/12 1005	10/8/12 1014	—	
Time/Counter (Stop)	10/8/12 2108	10/8/12 2130	10/8/12 2139	10/8/12 2145	
Total Time	672	684	685		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1		
Flow Rate (End)	1	0.95	1		
Flow Rate Average	1	0.975	1	—	
Sample Volume	672L	684L	685L	0L	

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
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Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: Völker / Newhart
U.S. EPA/ERTC WAM: Mickunas
Date: 10/8/12 (PM)
SERAS Task Leader: Brandike

Sample #	0158	0159	0160	0161	0162
Location	P0004 ES	P0011 WT	P0002 Park	P0010 HS	P0010-CO HS
Pump #	140	315	383	332	303
Media	XAD2 ~~PTFE~~	→			→
Analysis/Method	PAH	→			→
Rotameter	MC	→			→
Time/Counter (Start)	10/8/12 2005	10/8/12 2022	10/8/12 2045	10/8/12 2103	10/8/12 2103
Time/Counter (Stop)	10/9/12 0805	10/9/12 0820	10/9/12 0834	10/9/12 0847	10/9/12 0847
Total Time	720	712	710	705	705
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	720L	712L	710L	705L	705L

MET Station on Site?: Y / (N)

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
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Lockheed Martin Corp., Edison, NJ
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Site: Hillcrest
WA#: 0-193
Sampler: Völker / Newhart
U.S. EPA/ERTC WAM: Kirkenas
Date: 10/8/12 (PM)
SERAS Task Leader: Brandine

Sample #	0163	0164	0165	0166	
Location	P0005 Pizza	P0006	P0003 Weld	Field Blank	
Pump #	300	393	368	—	
Media	XAD2 PTFE	—	—	—	
Analysis/Method	PAH	—	—	—	
Rotameter	MC	—	—	—	
Time/Counter (Start)	10/8/12 2124	10/8/12 2134	2149 10/8/12 ~~2139~~ ev	10/8/12	
Time/Counter (Stop)	10/9/12 0903	10/9/12 0915	10/9/12 0932	10/9/12 0940	
Total Time	700	700	701	—	N A
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	—	
Flow Rate (End)	1	1	1	—	
Flow Rate Average	1	1	1	—	
Sample Volume	700	700	701	OL	

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
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Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: McCall / Newhart
U.S. EPA/ERTC WAM: Hickunas
Date: 10/9/12 (AM)
SERAS Task Leader: Brandine

Sample #	0167	0168	0169	0170	0171
Location	P0004 ES	P0011 WT	P0002 Park	P0010 HS	P0005 piggy
Pump #	140	315	383	332	300
Media	XAD2 PTFE	—	—	—	—
Analysis/Method	PAH	—	—	—	—
Rotameter	MC	—	—	—	—
Time/Counter (Start)	10/9/12 0809	10/9/12 0824	10/9/12 0839	10/9/12 0855	10/9/12 0907
Time/Counter (Stop)	10/9/12 2004	10/9/12 2021	10/9/12 2036	10/9/12 2047	10/9/12 2058
Total Time	714	701	718	714	710
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	0.8	0.8	1	1	1
Flow Rate Average	0.9	0.9	1	1	1
Sample Volume	~~[illegible]~~ L	631 L	718 L	714 L	710 L

MET Station on Site?: Y / (N)

Pump 315 - accidently lost power approximate minutes 1494 + 207

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest

WA#: 0-193

Sampler: McCall / Newhart

U.S. EPA/ERTC WAM: Hickmas

Date: 10/9/12 (AM)

SERAS Task Leader: Brandine

Sample #	0172	0173	0174		
Location	P0006 JH	P0003 weld	Field Blank		
Pump #	393	368	—		
Media			—		
Analysis/Method			—		
Rotameter			—		
Time/Counter (Start)	10/9/12 0917	10/9/12 0936	10/9/12 —		
Time/Counter (Stop)	10/9/12 2106	10/9/12 2117	10/9/12 [redacted]		
Total Time	709	702	—		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	—		
Flow Rate (End)	0.9	1	—		
Flow Rate Average	0.95	1	—		
Sample Volume	674L	702L	0L		

MET Station on Site?: Y (N)

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: Völker / Newhart
U.S. EPA/ERTC WAM: Mickunas
Date: 10/09/12 (PM)
SERAS Task Leader: Brandine

Sample #	0175	0176	0177	0178	0179
Location	P0004 EC	P0011 LIT	P0002 Park	P0010 HS	P0005 Pizza
Pump #	140	315	383	332	300
Media	XAD2 PTFE	—	—	—	—
Analysis/Method	PAH	—	—	—	—
Rotameter	MC	—	—	—	—
Time/Counter (Start)	10/9/12 2011	10/9/12 2027	10/9/12 2039	10/9/12 2052	10/9/12 2101
Time/Counter (Stop)	10/10/12 ~~720~~ 0811	Pump 315 = 517 min Pump 440 = 137 min 10/10/12 ~~0830~~	10/10/12 0839	10/10/12 0852	10/10/12 0901
Total Time	720	654	720	720	720
Pump Fault	Y / N	(Y) N	Y / N	Y / N	Y / N
Flow Rate (Start)	0.9	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	0.95	1	1	1	1
Sample Volume	684 L	654 L	720 L	720 L	720 L

MET Station on Site?: Y / (N)

517
+137
654 min for P0011

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: McCall / Newhart
U.S. EPA/ERTC WAM: Hickunas
Date: 10/10/12 (AM)
SERAS Task Leader: Brandine

Sample #	0183	0184	0185	0186	0187
Location	P0004 ES	P0011 WT	P0002 park	P0010 HS	P0000 - CO HS pump
Pump #	140	440	383	332	303
Media	XAD2 PTFE	—	—	—	—
Analysis/Method	PAH	—	—	—	—
Rotameter	HC	—	—	—	—
Time/Counter (Start)	10/10/12 0822	10/10/12 0834	10/10/12 0848	10/10/12 0904	10/10/12 0904
Time/Counter (Stop)	10/10/12 2003	10/10/12 2018	10/10/12 2034	10/10/12 2048	10/10/12 2048
Total Time	703	704	705	704	704
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	0.9	1
Flow Rate (End)	1	1	1	0.95	1
Flow Rate Average	1	1	1	0.925	1
Sample Volume	703 L	704 L	705 L	651	704 L

MET Station on Site?: Y (N)

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0193
Sampler: McCall / Newhart
U.S. EPA/ERTC WAM: Mickunas
Date: 10/10/12 CAM
SERAS Task Leader: Brandine

Sample #	0188	0189	0190	0191	
Location	P0005 piggy	P0006 JH	P0003 wdd	Field Blank	
Pump #	300/315	393	368		
Media	XAD 2 PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/10/12 0922	10/10/12 0932	10/10/12 0940		
Time/Counter (Stop)	Pump 300 = 364 Pump 315 = 352	10/10 2111	10/10 2123	10/10/12 2130	
Total Time	2100 Time 696	701	704	0	
Pump Fault	Y/N	Y/N	Y/N	Y/N	Y/N
Flow Rate (Start)	1/1	1	1		
Flow Rate (End)	1	0.9	1		
Flow Rate Average	1	0.95	1		
Sample Volume	696L	666L	704L	0L	

MET Station on Site?: Y/(N)

Pump 300 ~~w~~changed to #315 due to sputtering @ 3:31 PM Stopped @ 2100

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Willcrest
WA#: 0-193
Sampler: Völker / Newhurst
U.S. EPA/ERTC WAM: Mickunas
Date: 10/10/12 (AM)
SERAS Task Leader: Brandline

Sample #	0192	0193	0194	0195	0196
Location	P0004 EC	P0011 WT	P0002 Park	P0010 HS	P0005 Pizza
Pump #	140	440	383	332	315
Media	XAD2 PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/10/12 2009	10/10/12 2024	10/10/12 2039	10/10 2055	10/10 2106
Time/Counter (Stop)	10/11/12 0809	10/11/12 0824	10/11/12 0839	10/11/12 0855	10/11/12 0906
Total Time	720	720	720	720	720
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	720L	720L	720L	720L	720 L

MET Station on Site?: Y / (N)

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: C-193
Sampler: Völker / Newhart
U.S. EPA/ERTC WAM: Mickunas
Date: 10/10/12 (AM)
SERAS Task Leader: Brandine

Sample #	0197	0198	0199		
Location	P0006 JM	P0003 Held	field Blank		
Pump #	393	368	—		
Media	XAD2 PTFE	—	—		
Analysis/Method	PAH	—	—		
Rotameter	MC	—	—		
Time/Counter (Start)	10/10 2117	10/10 2129	10/10/12		
Time/Counter (Stop)	10/11/12 0917	10/11/12 0929	10/11/12 0936		
Total Time	720	720	—		
Pump Fault	Y (N)	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1		
Flow Rate (End)	1	1	—		
Flow Rate Average	1	1	—		
Sample Volume	720 L	720 L	0 L		

MET Station on Site?: Y / (N)

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: McCall / Newhart
U.S. EPA/ERTC WAM: Miekunas
Date: 10/11/12 (AM)
SERAS Task Leader: Brandine

Sample #	0200	0201	0202	0203	0204
• Location	P0004 ES	P0011 WT	P0002 Park	P0010 HS	P0005 pizza
Pump #	140	440	383	332	315
Media	XAD 2 PTFE	→	→	→	→
Analysis/Method	PAH	→	→	→	→
Rotameter	MC	→	→	→	→
• Time/Counter (Start)	10/11/12 0816	10/11/12 0831	10/11/12 0847	10/11/12 0904	10/11/12 0916
Time/Counter (Stop)	10/11/12 2013	10/11/12 2051	10/11/12 2047	10/11/12 2104	10/11/12 2116
• Total Time	720	720	720	720	720
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
• Sample Volume	720 L	720 L	720 L	720 L	720 L

MET Station on Site?: Y (N)

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: McCall / Newhart
U.S. EPA/ERTC WAM: Hickunas
Date: 10/11/12 (AM)
SERAS Task Leader: Brandine

Sample #	0205	0206	0207		
Location	P0006 JH	P0003 weld	Field Blank		
Pump #	~~P~~393	368	—		
Media	XAD2 PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/11/12 0928	10/11/12 0935			
Time/Counter (Stop)	10/11/12 2123	10/11/12 2130	10/11/12		
Total Time	715	715	—		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	—		
Flow Rate (End)	1	1	—		
Flow Rate Average	1	1	—		
Sample Volume	715L	715L	0L		

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest WA#: 0-193

Sampler: Völker/ Günter U.S. EPA/ERTC WAM: Mckennas

Date: 10/11/12 SERAS Task Leader: Brandine

Sample #	208	209	210	211	212
Location	P0004 ES	P0011 WT	P0002 Park	P0010 HS	P0005 PIZZA
Pump #	140	440	383	332	315
Media	XAD2 PTFE	—	—	—	—
Analysis/Method	PAH	—	—	—	—
Rotameter	MC	—	—	—	—
Time/Counter (Start)	10/11/12 2022	10/11/12 2041	10/11/12 2053	10/11/12 2106	10/11/12 2117
Time/Counter (Stop)	10/12/12 8:08	10/12/12 ~~7:10~~ 8:32	10/12/12 8:45	10/12/12 8:59	10/12/12 9:08
Total Time	706	710	712	713	712
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	~~706~~ 1	1	1	1	
Sample Volume	706	710	712	713	712

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest

WA#: 193

Sampler: Volker

U.S. EPA/ERTC WAM: Mickunas

Date: 10/11/12

SERAS Task Leader: Brandre

Sample #	213	214	215		
Location	P0006 JH	P0003 Hold	Field Blank		
Pump #	393	368			
Media	XAD2 PTFE	—	—		
Analysis/Method	PAH	—	—		
Rotameter	MC	—	—		
Time/Counter (Start)	10/11/12 2126	10/11/12 2135			
Time/Counter (Stop)	10/12/12 9:16	10/12/12 9:26	10/12/12 9:45		
Total Time	711	712	—		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	—		
Flow Rate (End)	1	1	—		
Flow Rate Average	1	1	—		
Sample Volume	711	712	0 L		

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hill Crest
WA#: 0-193
Sampler: Gunter / Kaufman
U.S. EPA/ERTC WAM: McKinnas
Date: 10/12/12
SERAS Task Leader: Brandon

Sample #	216	217	218	219	221
Location	P0004 ES	P0011 WT	P0002 park	P0010 HS	P0005 pizza
Pump #	140	440	383	332	315
Media	XAD2 / PFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/12/12 8:15	10/12/12 8:37	10/12/12 8:49	10/12/12 9:03	10/12/12 9:11
Time/Counter (Stop)	10/12/12 20:08	10/12/12 20:30	10/12/12 20:44	10/12/12 20:58	10/12/12 21:19
Total Time	713	714	715	716	720
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	713L	714L	715L	716L	720L

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: Gunter / Kaufman
U.S. EPA/ERTC WAM: McKinnes
Date: 10/12/12
SERAS Task Leader: Brandine

Sample #	~~P0006 JH~~ 222	~~P0003 weld~~ 223	224		
Location	P0006 JH	P0003 weld	Field Blank		
Pump #	393	368	—		
Media	XAD 2/ PTFE	—	—	—	—
Analysis/Method	PAH	—	—	—	—
Rotameter	MC	—	—	—	—
Time/Counter (Start)	10/12/12 9:20	10/12/12 9:28	—		
Time/Counter (Stop)	10/12/12 21:27	10/12/12 21:41	10/12/12 21:50		
Total Time	720	720	—		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	—		
Flow Rate (End)	1	1	—		
Flow Rate Average	1	1	—		
Sample Volume	720L	720L	0		

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: HILLCREST
WA#: O-193
Sampler: KAUFMAN/GUNTER
U.S. EPA/ERTC WAM: McKUMAS
Date: 10/12/12
SERAS Task Leader: BRANDINE

Sample #	225	226	227	228	243 Collection P0010HS
Location	P0004ES	P0011WT	P0002 PARV	P0010HS	~~[illegible]~~ NSK
Pump #	140	440	383	332	~~[illegible]~~ NSK 303
Media	XAD2/ PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/12/12 20:12	10/12/12 20:34	10/12/12 20:48	10/12/12 21:12	10/12/12 21:12
Time/Counter (Stop)	10/13/12 ~~[illegible]~~ NSK ~~[illegible]~~ 8:03	~~[illegible]~~ NSK 10/13/12 8:21	10/13/12 8:35	10/13/12 8:50	10/13/12 8:50
Total Time	711	706	707	700	698
Pump Fault	Y/N	Y/N	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	711	706	707	700	698

MET Station on Site?: Y/N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: HILLCREST
WA#: 0-193
Sampler: KAUFMAN / GUNTER
U.S. EPA/ERTC WAM: McKUNAS
Date: 10/12/12
SERAS Task Leader: BRANDINE

Sample #	230	231	232	233		
Location	P0005 PIZZA	P0006 SW	P0003 WELD	FIELD BLANK		
Pump #	315	393	368			
Media	XAD2/ PTFE					
Analysis/Method	PAH					
Rotameter	MC					
Time/Counter (Start)	21:24 10/12/12	21:36 10/12/12	21:46 10/12/12			
Time/Counter (Stop)	10/13/12 9:16	10/13/12 9:25	10/13/12 9:32	10/13/12 9:45		
Total Time	712	710	706	—		
Pump Fault	Y / N	Y / N	Y / N	Y / N		Y / N
Flow Rate (Start)	1	1	1	—		
Flow Rate (End)	1	1	1	—		
Flow Rate Average	1	1	1	—		
Sample Volume	712	710	706	0		

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: Gunter / Kaufman
U.S. EPA/ERTC WAM: McKinnas
Date: 10/13/12
SERAS Task Leader: Brandine

Sample #	P0004 es (234)	P0011 wr (235)	P0002 park (236)	*P0010 HS-TC (237)	239
Location	↓	↓	↓	↓	P0005 pizza
Pump #	140	440	383	332	315
Media	XAD2 / PTFE	—	—	—	—
Analysis/Method	PAH	—	—	—	—
Rotameter	MC	—	—	—	—
Time/Counter (Start)	10/13/12 8:08	10/13/12 8:27	10/13/12 8:39	10/13/12 * 9:06	10/13/12 9:20
Time/Counter (Stop)	10/13/12 20:00	10/13/12 20:21	10/13/12 20:40	10/13/12 20:53	10/13/12 21:04
Total Time	713	714	720	707	704
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	713L	714L	720L	707L	704L

MET Station on Site?: Y / N

* moved location of pump from fence near HS to tennis courts at high school. 10/13/12. LAT. N 42° 51' 37.9" LON. W 78° 15' 48.4"

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: Gunter/Kaufman
U.S. EPA/ERTC WAM: McKinnas
Date: 10/13/12
SERAS Task Leader: Brandine

		240	241	242	
Sample #	P0005 pre	P0006 JH	P0003 weld	Field Blank	
Location	↓	↓	↓	↓	
Pump #	315	393	368	—	
Media	XAD2/PTFE	—	—	—	
Analysis/Method	PAH	—	—	—	
Rotameter	MC	—	—	—	
Time/Counter (Start)	10/13/12 9:27	10/13/12 ~~9:36~~ 9:27	10/13/12 9:36	10/13/12	
Time/Counter (Stop)		10/13/12 21:13	10/13/12 21:28	10/13/12 21:40	
Total Time		705	707		
Pump Fault	Y/N	Y/N	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1	1	0	
Flow Rate (End)		1	1		
Flow Rate Average		1	1		
Sample Volume		705L	707L	0	

MET Station on Site?: Y/N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: HILLCREST
WA#: 0-193
Sampler: GUNTER / KAUFMAN
U.S. EPA/ERTC WAM: McKUNAS
Date: 10/13/12
SERAS Task Leader: BRAN DINE

Sample #	244	245	246	247	248
Location	P0004 ES	P0011 WT	P0002 PARK	P0010 HS-R	P0005 PZZA
Pump #	140	440	383	332	315
Media	XAD2 PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/13/12 20:05	10/13/12 20:25	10/13/12 20:45	10/13/12 20:59	10/13/12 21:08
Time/Counter (Stop)	10/14/12 8:00	10/14/12 8:13	10/14/12 8:25	★ 10/14/12 8:37	10/14/12 8:47
Total Time	715	708	700	★ ?+357	700
Pump Fault	Y/(N)	Y/(N)	Y/(N)	(Y)/N	Y/(N)
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	715	708	700	357	700

MET Station on Site?: Y/(N)

★ P0010 - HIGH SCHOOL - FOUND PUMP OFF @02:35. WIND DISCONNECTED POWER CORD. RESTARTED @ 02:40

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: HILLCREST
Sampler: GUNTER / KAUFMAN
Date: 10/13/12

WA#: 0-193
U.S. EPA/ERTC WAM: McKUNAS
SERAS Task Leader: BRANDINE

Sample #	249	250	251		
Location	P0006 JM	P0003 WELD	FIELD BLANK		
Pump #	393	368	—		
Media	XAD2/PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/13/12 21:17	10/13/12 21:28	10/13/12		
Time/Counter (Stop)	10/13/12 8:57	10/13/12 9:08	9:30		
Total Time	700	700			
Pump Fault	Y/N	Y/N	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1	0		
Flow Rate (End)	1	1			
Flow Rate Average	1	1			
Sample Volume	700	700			

MET Station on Site?: Y/N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: Gunter/Kaufman
U.S. EPA/ERTC WAM: McKinnas
Date: 10/14/12
SERAS Task Leader: Brandine

Sample #	253	254	255	256	258
Location	P0004 ES	P0011 WT	P0002 MK	P0010 TC	P0005 PIZZA
Pump #	140	440	83	332	315
Media	XAD2/PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/14/12 8:03	10/14/12 8:16	10/14/12 8:28	10/14/12 8:40	10/14/12 8:50
Time/Counter (Stop)	10/14/12 ~~20:14~~	10/14/12 20:16	10/14/12 20:29	10/14/12 20:43	10/14/12 20:54
Total Time	711	720	720	720	720
Pump Fault	Y/N	Y/N	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	711	720	720	720	720

MET Station on Site?: Y/N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
Sampler: Gunter / Kaufman
Date: 10/14/12

WA#: 0-193
U.S. EPA/ERTC WAM: McKunas
SERAS Task Leader: Brandine

Sample #	259	260	261		
Location	P0006 JH	P0003 weld	Field Blank		
Pump #	393	368	—		
Media	XAD2 / PTFE	—			
Analysis/Method	PAH	—			
Rotameter	MC	—			
Time/Counter (Start)	10/14/12 8:59	10/14/12 9:11			
Time/Counter (Stop)	10/14/12 21:01	10/14/12 21:10	10/14/12 21:20		
Total Time	720	720			
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1			
Flow Rate (End)	1	1			
Flow Rate Average	1	1			
Sample Volume	720	720			

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: HILLCREST
WA#: 0-193
Sampler: GUNTER / KAUFMAN
U.S. EPA/ERTC WAM: McKUNAS
Date: 10/14/12
SERAS Task Leader: BRANDINE

Sample #	262	263	264	265	266
Location	P0004 ES	P0011 WT	P0002 PALK	P0010 HS TC	P0005 PRZ
Pump #	140	440	383	332	315
Media	XAD2 PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/14/12 19:58 pm	10/14/12 20:20	10/14/12 20:33	10/14/12 20:48	10/14/12 20:56
Time/Counter (Stop)	10/15/12 8:23	10/15/12 8:21	10/15/12 8:33	10/15/12 8:44	10/15/12 8:56
Total Time	720	720	719	717	720
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1
Flow Rate Average	1	1	1	1	1
Sample Volume	720	720	719	717	720

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: HILLCREST
WA#: 0-193
Sampler: GUNTER / KAUFMAN
U.S. EPA/ERTC WAM: McKUNAS
Date: 10/14/12
SERAS Task Leader: BRANDINE

Sample #	267	268	269		
Location	P0006 JH	P0003 WEED	FIELD BLANK		
Pump #	393	368			
Media	XAD7/PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	21:05 10/14/12	21:17 10/14/12	~~21:20 10/14/12~~ JH		
Time/Counter (Stop)	9:04 10/15/12	9:12 10/15/12		10/14/12 9:30	
Total Time	720	714			
Pump Fault	Y/(N)	Y/(N)	Y/N	Y/N	Y/N
Flow Rate (Start)	1	1	0		
Flow Rate (End)	1	1	0		
Flow Rate Average	1	1	0		
Sample Volume	720	714	0		

MET Station on Site?: Y/(N)

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: HILLCREST
WA#: 0-193
Sampler: GUNTER / KAUFMAN
U.S. EPA/ERTC WAM: McKUNAS
Date: 10/15/12
SERAS Task Leader: BRANDINE

Sample #	279	280	281	Regular sample 282	COLOCATE *
Location	P0004 ES	P0011 WT	P0002 PARK	P0010 HS TC	P0010 HS TC
Pump #	140	440	383	332	303
Media	XAD2/PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/15/12 8:06	10/15/12 8:24	10/15/12 8:36	10/15/12 8:50	10/15/12 8:50
Time/Counter (Stop)	10/15/12 20:02	10/15/12 20:20	10/15/12 20:35	10/15/12 ★	10/15/12 20:49
Total Time	716	716	720	★	718
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	★	1.1
Flow Rate Average	1	1	1		1.05
Sample Volume	716L	716L	720L	★	718L

MET Station on Site?: Y / N

★ LOST POWER AFTER 04:30. DISCARDED SAMPLE AND STARTED NEW CO-LOCATE @ 21:01 10/15/12

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: HILLCREST

WA#: 0-193

Sampler: GUNTER / KAUFMAN

U.S. EPA/ERTC WAM: McKUNAS

Date: 10/15/12

SERAS Task Leader: BRANDUE

Sample #	283	284	285	286	
Location	P0005 PIZZA	P0006 JH	P0003 WELD	FIELD BLANK	
Pump #	315	393	368		
Media	XAD2/PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/15/12 8:59	10/15/12 9:07	10/15/12 9:14	10/15/12 → 21:30	
Time/Counter (Stop)	10/15/12 21:11	10/15/12 21:17	10/15/12 21:26		
Total Time	720	720	720		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	0	
Flow Rate (End)	1	1	1	0	
Flow Rate Average	1	1	1	0	
Sample Volume	720L	720L	720L	0	

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: Gunter / Kaufman
U.S. EPA/ERTC WAM: McKinnas
Date: 10/15/12
SERAS Task Leader: Brandine

Sample #	270	271	272	273	275
Location	P0004 ES	P0011 WT	P0002 park	P0010 HS TC	P0005 pizza
Pump #	140	440	383	332	315
Media	XAD2 / PTFE				
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/15/12 20:09	10/15/12 20:24	10/15/12 20:40	10/15/12 21:01	10/15/12 21:13
Time/Counter (Stop)	10/16/12 8:05	10/16/12 8:19	10/16/12 8:30	10/16/12 8:44	10/16/12 8:55
Total Time	715	715	710	703	702
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1	1	1	1
Flow Rate (End)	1	1	1	1	1.5
Flow Rate Average	1	1	1	1	1.25
Sample Volume	715	715	710	703	702

MET Station on Site?: Y / (N)

New lot for cassettes: 124L8-7DC-145

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: Hillcrest
WA#: 0-193
Sampler: Gunter / Hartman
U.S. EPA/ERTC WAM: MCKinnas
Date: 10/15/12
SERAS Task Leader: Brandine

Sample #	276	277	258	274 Co Locate	
Location	P0006 JH	P0003 West	Field Blank	K P0010 HS TC	Lot Blank
Pump #	393	368	—	303	
Media	XAD2 / PTFE				PTFE
Analysis/Method	PAH				
Rotameter	MC				
Time/Counter (Start)	10/15/12 21:21	10/15/12 21:31	~~10/15/12 21:40~~	10/15/12 21:01	10/15/12 21:40
Time/Counter (Stop)	10/16/12 9:01	10/16/12 9:10	10/16/12 9:30	10/16/12 8:44	
Total Time	700	700		703	
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	1		1	
Flow Rate (End)	.95	1		1.5	
Flow Rate Average	.98	1		1.25	
Sample Volume	700	700	0	703	0

MET Station on Site?: Y / N

APPENDIX C
Analytical Report
Hillcrest Recycling Site Emergency Response
Attica, NY
January 2013

ANALYTICAL REPORT

Prepared by
Lockheed Martin Information Systems and Global Services/Environmental Services
Scientific, Engineering, Response and Analytical Services

Hillcrest Recycling
Attica, New York

November 2012

EPA Work Assignment No. SERAS-193
LOCKHEED MARTIN Work Order SER00193
EPA Contract No. EP-W-09-031

Submitted to
D. Mickunas
EPA-ERT
109 T.W. Alexander Drive
Research Triangle Park, NC 27711

D. Miller for 11/12/12
V. Kansal — Date
Analytical Support Leader

Dennis Killeen 11/12/12
D. Killeen — Date
QA/QC Officer

Dennis Miller 11/12/12
D. Miller — Date
Program Manager

Analysis by:
ERT/SERAS

Prepared by:
Y. Mehra

Reviewed by:
A. LoSurdo
J. Soroka
R. Varsolona

REPORT OF LABORATORY ANALYSIS
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Appendices will be furnished on request.

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TESTING LABORATORIES INFORMATION

Analysis for Polynuclear Aromatic Hydrocarbons in Air by SERAS SOP # 1817 *"Analysis of Polynuclear Aromatic Hydrocarbons (PAHs) in Air by GC/MS"*

ERT/SERAS
2890 Woodbridge Avenue
Edison NJ 08837

All analyses were performed according to our lab-approved quality assurance program. Results are intended to be considered in their entirety and apply only to those analyzed and reported herein.

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Detailed Sample Information

SERAS Sample Number	Field Sample Number
R210002-01	34001-0001
R210002-02	34001-0002
R210002-03	34001-0003
R210002-04	34001-0004
R210002-05	34001-0005
R210002-06	34001-0006
R210002-07	34001-0007
R210002-08	34001-0008
R210002-09	34001-0009
R210002-10	34001-0010
R210002-11	34001-0011
R210002-12	34001-0012
R210002-13	34001-0013
R210002-14	34001-0014
R210002-15	34001-0015
R210002-16	34001-0016
R210002-17	34001-0017
R210002-18	34001-0018
R210002-19	34001-0019
R210002-20	34001-0020
R210002-21	34001-0021
R210002-22	34001-0022
R210002-23	34001-0023
R210002-24	34001-0024
R210002-25	34001-0025
R210002-26	34001-0026
R210004-01	34001-0027
R210004-02	34001-0028
R210004-03	34001-0029
R210004-04	34001-0030
R210004-05	34001-0031
R210004-06	34001-0032
R210004-07	34001-0033
R210004-08	34001-0034
R210004-09	34001-0035
R210004-10	34001-0036
R210004-11	34001-0037
R210004-12	34001-0038
R210004-13	34001-0039
R210004-14	34001-0040
R210004-15	34001-0041
R210004-16	34001-0042
R210004-17	34001-0043
R210004-18	34001-0044
R210004-19	34001-0045

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Detailed Sample Information (cont)

SERAS Sample Number	Field Sample Number
R210004-20	34001-0046
R210004-21	34001-0047
R210004-22	34001-0048
R210004-23	34001-0049
R210004-24	34001-0050
R210004-25	34001-0051
R210006-01	34001-0052
R210006-02	34001-0053
R210006-03	34001-0054
R210006-04	34001-0055
R210006-05	34001-0056
R210006-06	34001-0057
R210006-07	34001-0058
R210006-08	34001-0059
R210006-09	34001-0060
R210006-10	34001-0061
R210006-11	34001-0062
R210006-12	34001-0063
R210006-13	34001-0064
R210006-14	34001-0065
R210006-15	34001-0066
R210006-16	34001-0067
R210007-01	34001-0068
R210007-02	34001-0069
R210007-03	34001-0070
R210007-04	34001-0071
R210007-05	34001-0072
R210007-06	34001-0073
R210007-07	34001-0074
R210007-08	34001-0075
R210007-09	34001-0076
R210007-10	34001-0077
R210007-11	34001-0078
R210007-12	34001-0079
R210007-13	34001-0080
R210007-14	34001-0081
R210007-15	34001-0082
R210007-16	34001-0083
R210008-01	34001-0084
R210008-02	34001-0085
R210008-03	34001-0086
R210008-04	34001-0087
R210008-05	34001-0088

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Detailed Sample Information (cont)

SERAS Sample Number	Field Sample Number
R210008-06	34001-0089
R210008-07	34001-0090
R210008-08	34001-0091
R210008-09	34001-0092
R210008-10	34001-0093
R210008-11	34001-0094
R210008-12	34001-0095
R210008-13	34001-0096
R210008-14	34001-0097
R210008-15	34001-0098
R210008-16	34001-0099
R210008-17	34001-0100
R210010-01	34001-0101
R210010-02	34001-0102
R210010-03	34001-0103
R210010-04	34001-0104
R210010-05	34001-0105
R210010-06	34001-0106
R210010-07	34001-0107
R210010-08	34001-0108
R210010-09	34001-0109
R210010-10	34001-0110
R210010-11	34001-0111
R210010-12	34001-0112
R210010-13	34001-0113
R210010-14	34001-0114
R210010-15	34001-0115
R210010-16	34001-0116
R210010-17	34001-0117
R210010-18	34001-0118
R210010-19	34001-0119
R210010-20	34001-0120
R210010-21	34001-0121
R210010-22	34001-0122
R210010-23	34001-0123
R210010-24	34001-0124
R210010-25	34001-0125
R210010-26	34001-0126
R210010-27	34001-0127
R210010-28	34001-0128
R210010-29	34001-0129
R210010-30	34001-0130
R210010-31	34001-0131
R210010-32	34001-0132
R210010-33	34001-0133

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Detailed Sample Information (cont)

SERAS Sample Number	Field Sample Number
R210010-34	34001-0134
R210010-35	34001-0135
R210010-36	34001-0136
R210010-37	34001-0137
R210010-38	34001-0138
R210010-39	34001-0139
R210010-40	34001-0140
R210010-41	34001-0141
R210010-42	34001-0142
R210010-43	34001-0143
R210010-44	34001-0144
R210010-45	34001-0145
R210010-46	34001-0146
R210010-47	34001-0147
R210010-48	34001-0148
R210010-49	34001-0149
R210012-01	34001-0151
R210012-02	34001-0152
R210012-03	34001-0153
R210012-04	34001-0154
R210012-05	34001-0155
R210012-06	34001-0156
R210012-07	34001-0157
R210012-08	34001-0158
R210012-09	34001-0159
R210012-10	34001-0160
R210012-11	34001-0161
R210012-12	34001-0162
R210012-13	34001-0163
R210012-14	34001-0164
R210012-15	34001-0165
R210012-16	34001-0166
R210014-01	34001-0167
R210014-02	34001-0168
R210014-03	34001-0169
R210014-04	34001-0170
R210014-05	34001-0171
R210014-06	34001-0172
R210014-07	34001-0173
R210014-08	34001-0174
R210014-09	34001-0175
R210014-10	34001-0176
R210014-11	34001-0177
R210014-12	34001-0178

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Detailed Sample Information (cont)

SERAS Sample Number	Field Sample Number
R210014-13	34001-0179
R210014-14	34001-0180
R210014-15	34001-0181
R210014-16	34001-0182
R210015-01	34001-0183
R210015-02	34001-0184
R210015-03	34001-0185
R210015-04	34001-0186
R210015-05	34001-0187
R210015-06	34001-0188
R210015-07	34001-0189
R210015-08	34001-0190
R210015-09	34001-0191
R210015-10	34001-0192
R210015-11	34001-0193
R210015-12	34001-0194
R210015-13	34001-0195
R210015-14	34001-0196
R210015-15	34001-0197
R210015-16	34001-0198
R210015-17	34001-0199
R210016-01	34001-0200
R210016-02	34001-0201
R210016-03	34001-0202
R210016-04	34001-0203
R210016-05	34001-0204
R210016-06	34001-0205
R210016-07	34001-0206
R210016-08	34001-0207
R210016-09	34001-0208
R210016-10	34001-0209
R210016-11	34001-0210
R210016-12	34001-0211
R210016-13	34001-0212
R210016-14	34001-0213
R210016-15	34001-0214
R210016-16	34001-0215
R210016-17	34001-0216
R210016-18	34001-0217
R210016-19	34001-0218
R210016-20	34001-0219
R210016-21	34001-0221
R210016-22	34001-0222
R210016-23	34001-0223

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Detailed Sample Information (cont)

SERAS Sample Number	Field Sample Number
R210017-04	34001-0273
R210017-05	34001-0274
R210017-06	34001-0275
R210017-07	34001-0276
R210017-08	34001-0277
R210017-09	34001-0278
R210017-10	34001-0279
R210017-11	34001-0280
R210017-12	34001-0281
R210017-13	34001-0282
R210017-14	34001-0283
R210017-15	34001-0284
R210017-16	34001-0285
R210017-17	34001-0286

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Detailed Sample Information (cont)

SERAS Sample Number	Field Sample Number
R210016-24	34001-0224
R210016-25	34001-0225
R210016-26	34001-0226
R210016-27	34001-0227
R210016-28	34001-0228
R210016-29	34001-0230
R210016-30	34001-0231
R210016-31	34001-0232
R210016-32	34001-0233
R210016-33	34001-0234
R210016-34	34001-0235
R210016-35	34001-0236
R210016-36	34001-0237
R210016-37	34001-0239
R210016-38	34001-0240
R210016-39	34001-0241
R210016-40	34001-0242
R210016-41	34001-0243
R210016-42	34001-0244
R210016-43	34001-0245
R210016-44	34001-0246
R210016-45	34001-0247
R210016-46	34001-0248
R210016-47	34001-0249
R210016-48	34001-0250
R210016-49	34001-0251
R210016-50	34001-0253
R210016-51	34001-0254
R210016-52	34001-0255
R210016-53	34001-0256
R210016-54	34001-0258
R210016-55	34001-0259
R210016-56	34001-0260
R210016-57	34001-0261
R210016-58	34001-0262
R210016-59	34001-0263
R210016-60	34001-0264
R210016-61	34001-0265
R210016-62	34001-0266
R210016-63	34001-0267
R210016-64	34001-0268
R210016-65	34001-0269
R210017-01	34001-0270
R210017-02	34001-0271
R210017-03	34001-0272

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Introduction

SERAS personnel, in response to WA# SERAS-193, provided analytical support for environmental samples collected from the Hillcrest Recycling Site in Attica, New York, as described in the following table. The support also included QA/QC, data review and preparation of an analytical report containing analytical and QA/QC results.

The samples were treated with procedures consistent with those specified in SERAS SOP #1008, *Operation of Sample Refrigeration Units and Sample Receiving, Handling and Storage.*

Chain of Custody #	Number of Samples	Sampling Date	Date Received	Date Analyzed	Matrix	Analysis/ Method	Laboratory	Data Package
2-093012-180204-0001	9	09/29/12	10/01/12	10/01/12 through 10/04/12	Air	PAHs/SERAS SOP 1817	ERT/SERAS	X 183
	17	9/30/12						
2-100212-114159-0002	8		10/03/12					
	17	10/01/12						
2-100312-140735-0003	8	10/02/12	10/04/12	10/05/12 through 10/07/12				X 184
	8	10/03/12						
2-100412-142520-0005	8		10/05/12					
	8	10/04/12						
2-100512-11546-0006	9		10/06/12	10/07/12 through 10/11/12				X 185
	8	10/05/12						
2-100612-114025-0007	8		10/09/12					
2-100612-114405-0008	8	10/06/12						
2-100712-104945-0009	7							
	1	10/05/12						
2-100712-105025-0010	9	10/07/12						
2-100812-111237-0011	8							
2-100812-111254-0012	8	10/08/12						
2-100912-110130-0013	7		10/10/12	10/12/12 through 10/14/12				X 186
2-100912-110210-0014	9	10/09/12						
2-101012-111521-0015	8		10/11/12					
2-101012-111601-0016	8	10/10/12						

Chain of Custody #	Number of	Sampling Date	Date Received	Date Analyzed	Matrix	Analysis/ Method	Laboratory	Data Package
2-101112-111626-0017	9	10/10/12	10/12/12	10/12/12 through 10/14/12	Air	PAHs/SERAS SOP 1817	ERT/SERAS	X 186
2-101112-111703-0018	8	10/11/12						
	8		10/16/12	10/16/12 through 10/20/12				X 187
	25	10/12/12						
	16	10/13/12						
	16	10/14/12						
2-101612-082856-0021	17	10/15/12	10/17/12					

Case Narrative

Sampling was conducted as per the site-specific Quality Assurance Project Plan (QAPP) and analyzed by the analytical methods as stated in the QAPP. The laboratory reported the data to three significant figures. Any other representation of the data is the responsibility of the user. All data validation flags have been inserted into the results tables.

Polynuclear Aromatic Hydrocarbons in Air Package X 183, X 184, X 185, X 186 and X 187

The data packages were examined and found to be acceptable.

The results presented in this report only relate to the samples analyzed. All results are intended to be considered in their entirety. The Environmental Response Team/Scientific, Engineering, Response and Analytical Services laboratory is not responsible for utilization of less than the complete report.

REPORT OF LABORATORY ANALYSIS
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Summary of Abbreviations

BFB	Bromofluorobenzene
C	Centigrade
CLP	Contract Laboratory Program
COC	Chain of Custody
conc	concentration
cont	continued
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
D	(Surrogate Table) value is from a diluted sample and was not calculated
Dioxin	Polychlorinated dibenzo-p-dioxins (PCDD) and Polychlorinated dibenzofurans (PCDF)
DFTPP	Decafluorotriphenylphosphine
EMPC	Estimated maximum possible concentration
GC/MS	Gas Chromatography/ Mass Spectrometry
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MDA	Minimum Detectable Activity
MS (BS)	Matrix Spike (Blank Spike)
MSD (BSD)	Matrix Spike Duplicate (Blank Spike Duplicate)
MW	Molecular Weight
NA	Not Applicable or Not Available
NAD	Normalized Absolute Difference
NC	Not Calculated
NR	Not Requested/Not Reported
NS	Not Spiked
% D	Percent Difference
% REC	Percent Recovery
SOP	Standard Operating Procedure
ppbv	parts per billion by volume
ppm	parts per million
pptv	parts per trillion by volume
PQL	Practical Quantitation Limit
PAL	Performance Acceptance Limit
QA/QC	Quality Assurance/Quality Control
QL	Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference
RSD	Relative Standard Deviation
SERAS	Scientific, Engineering, Response and Analytical Services
SIM	Selected Ion Monitoring
Sur	Surrogate
TIC	Tentatively Identified Compound
TCLP	Toxicity Characteristic Leaching Procedure
VOC	Volatile Organic Compound
*	Value exceeds the acceptable QC limits

m^3	cubic meter	g	gram	kg	kilogram	L	liter
µg	microgram	µL	microliter	mg	milligram	mL	milliliter
ng	nanogram	pg	pictogram	pCi	picocurie	s	sigma

Data Validation Flags

J	Value is estimated	R	Value is unusable
J+	Value is estimated high (metals only)	U	Not detected
J-	Value is estimated low (metals only)	UJ	Not detected and RL is estimated
N	Presumptively present (Aroclors only)		

Rev. 1/14/09

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Environmental Response Team/Scientific Engineering, Response and Analytical Services
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Table 1.1 Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number		R210002-10		R210002-11		R210002-12		R210002-13	
Sample Number	Lot Blank #1	34001-0010		34001-0011		34001-0012		34001-0013	
Sampling Location	COC# 20930121602040001	P0004		P0011		P0002		P0010	
Volume (L)	0	713		693		710		711	
Analyte	Result total µg	MDL total µg	Result µg / m³	MDL µg / m³	Result µg / m³	MDL µg / m³	Result µg / m³	MDL µg / m³	Result µg / m³	MDL µg / m³
Naphthalene	U	0.219	U	0.307	U	0.315	U	0.308	U	0.307
2Methylnaphthalene	U	0.259	U	0.363	U	0.373	U	0.364	U	0.364
1Methylnaphthalene	U	0.274	U	0.385	U	0.396	U	0.386	U	0.386
Biphenyl	U	0.251	U	0.353	U	0.363	U	0.354	U	0.354
2,6Dimethylnaphthalene	U	0.269	U	0.377	U	0.388	U	0.378	U	0.378
Acenaphthylene	U	0.262	U	0.367	U	0.378	U	0.369	U	0.368
Acenaphthene	U	0.266	U	0.374	U	0.384	U	0.375	U	0.375
Dibenzofuran	U	0.274	U	0.384	U	0.395	U	0.386	U	0.385
Fluorene	U	0.281	U	0.394	U	0.405	U	0.395	U	0.395
Phenanthrene	U	0.272	U	0.382	U	0.393	U	0.383	U	0.383
Anthracene	U	0.277	U	0.388	U	0.399	U	0.389	U	0.389
Carbazole	U	0.284	U	0.398	U	0.409	U	0.400	U	0.399
Fluoranthene	U	0.281	U	0.394	U	0.406	U	0.396	U	0.396
Pyrene	U	0.284	U	0.398	U	0.409	U	0.399	U	0.399
Benzo(a)anthracene	U	0.275	U	0.386	U	0.397	U	0.387	U	0.387
Chrysene	U	0.268	U	0.376	U	0.387	U	0.378	U	0.377
Benzo(b)fluoranthene	U	0.298	U	0.419	U	0.431	U	0.420	U	0.420
Benzo(k)fluoranthene	U	0.335	U	0.470	U	0.483	U	0.472	U	0.471
Benzo(e)pyrene	U	0.284	U	0.399	U	0.410	U	0.401	U	0.400
Benzo(a)pyrene	U	0.293	U	0.411	U	0.423	U	0.413	U	0.412
Indeno(1,2,3cd)pyrene	U	0.285	U	0.400	U	0.411	U	0.402	U	0.401
Dibenzo(a,h)anthracene	U	0.295	U	0.413	U	0.425	U	0.415	U	0.414
Benzo(g,h,i)perylene	U	0.275	U	0.385	U	0.396	U	0.387	U	0.386

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210002-14		R210002-15		R210002-16		R210002-17		R210002-18	
Sample Number	34001-0014		34001-0015		34001-0016		34001-0017		34001-0018	
Sampling Location	P0006		P0006co		P0005		P0003		Field Blank	
Volume (L)	706		706		709		701		0	
Analyte	Result µg / m³	MDL µg / m³	Result µg / m³	MDL µg / m³	Result µg / m³	MDL µg / m³	Result µg / m³	MDL µg / m³	Result total µg	MDL total µg
Naphthalene	U	0.310	U	0.310	U	0.308	U	0.312	U	0.219
2Methylnaphthalene	U	0.366	U	0.366	U	0.365	U	0.369	U	0.259
1Methylnaphthalene	U	0.389	U	0.389	U	0.387	U	0.391	U	0.274
Biphenyl	U	0.356	U	0.356	U	0.355	U	0.359	U	0.251
2,6Dimethylnaphthalene	U	0.381	U	0.381	U	0.379	U	0.383	U	0.269
Acenaphthylene	U	0.371	U	0.371	U	0.369	U	0.373	U	0.262
Acenaphthene	U	0.377	U	0.377	U	0.376	U	0.380	U	0.266
Dibenzofuran	U	0.388	U	0.388	U	0.386	U	0.391	U	0.274
Fluorene	U	0.398	U	0.398	U	0.396	U	0.400	U	0.281
Phenanthrene	U	0.386	U	0.386	U	0.384	U	0.388	U	0.272
Anthracene	U	0.392	U	0.392	U	0.390	U	0.394	U	0.277
Carbazole	U	0.402	U	0.402	U	0.400	U	0.405	U	0.284
Fluoranthene	U	0.398	U	0.398	U	0.397	U	0.401	U	0.281
Pyrene	U	0.402	U	0.402	U	0.400	U	0.405	U	0.284
Benzo(a)anthracene	U	0.390	U	0.390	U	0.388	U	0.392	U	0.275
Chrysene	U	0.380	U	0.380	U	0.378	U	0.383	U	0.268
Benzo(b)fluoranthene	U	0.423	U	0.423	U	0.421	U	0.426	U	0.298
Benzo(k)fluoranthene	U	0.474	U	0.474	U	0.472	U	0.478	U	0.335
Benzo(e)pyrene	U	0.403	U	0.403	U	0.401	U	0.406	U	0.284
Benzo(a)pyrene	U	0.415	U	0.415	U	0.413	U	0.418	U	0.293
Indeno(1,2,3cd)pyrene	U	0.404	U	0.404	U	0.402	U	0.407	U	0.285
Dibenzo(a,h)anthracene	U	0.417	U	0.417	U	0.415	U	0.420	U	0.295
Benzo(g,h,i)perylene	U	0.389	U	0.389	U	0.387	U	0.392	U	0.275

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210002-01		R210002-02		R210002-03		R210002-04	
Sample Number	34001-0001		34001-0002		34001-0003		34001-0004	
Sampling Location	P0004		P0011		P0002		P0010	
Volume (L)	267.3		720		708		706	
Analyte	Result µg / m³	MDL µg / m³	Result µg / m³	MDL µg / m³	Result µg / m³	MDL µg / m³	Result µg / m³	MDL µg / m³
Naphthalene	U	0.818	U	0.304	U	0.309	U	0.310
2Methylnaphthalene	U	0.968	U	0.359	U	0.365	U	0.366
1Methylnaphthalene	U	1.026	U	0.381	U	0.388	U	0.389
Biphenyl	U	0.941	U	0.349	U	0.355	U	0.356
2,6Dimethylnaphthalene	U	1.005	U	0.373	U	0.380	U	0.381
Acenaphthylene	U	0.979	U	0.363	U	0.370	U	0.371
Acenaphthene	U	0.997	U	0.370	U	0.376	U	0.377
Dibenzofuran	U	1.025	U	0.380	U	0.387	U	0.388
Fluorene	U	1.050	U	0.390	U	0.397	U	0.398
Phenanthrene	U	1.019	U	0.378	U	0.385	U	0.386
Anthracene	U	1.035	U	0.384	U	0.391	U	0.392
Carbazole	U	1.061	U	0.394	U	0.401	U	0.402
Fluoranthene	U	1.052	U	0.391	U	0.397	U	0.398
Pyrene	U	1.061	U	0.394	U	0.401	U	0.402
Benzo(a)anthracene	U	1.029	U	0.382	U	0.388	U	0.390
Chrysene	U	1.004	U	0.373	U	0.379	U	0.380
Benzo(b)fluoranthene	U	1.116	U	0.414	U	0.421	U	0.423
Benzo(k)fluoranthene	U	1.253	U	0.465	U	0.473	U	0.474
Benzo(e)pyrene	U	1.064	U	0.395	U	0.402	U	0.403
Benzo(a)pyrene	U	1.097	U	0.407	U	0.414	U	0.415
Indeno(1,2,3cd)pyrene	U	1.067	U	0.396	U	0.403	U	0.404
Dibenzo(a,h)anthracene	U	1.102	U	0.409	U	0.416	U	0.417
Benzo(g,h,i)perylene	U	1.027	U	0.381	U	0.388	U	0.389

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number			R210002-05		R210002-06		R210002-07		R210002-08	
Sample Number	Lot Blank #2		34001-0005		34001-0006		34001-0007		34001-0008	
Sampling Location	COC# 20930121802040001		P0006		P0006co		P0005		P0003	
Volume (L)	0		704		704		683		683	
Analyte	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.411	U	0.584	U	0.584	U	0.602	U	0.602
2Methylnaphthalene	U	0.436	U	0.619	U	0.619	U	0.638	U	0.638
1Methylnaphthalene	U	0.443	U	0.629	U	0.629	U	0.649	U	0.649
Biphenyl	U	0.430	U	0.611	U	0.611	U	0.630	U	0.630
2,6Dimethylnaphthalene	U	0.441	U	0.627	U	0.627	U	0.646	U	0.646
Acenaphthylene	U	0.462	U	0.657	U	0.657	U	0.677	U	0.677
Acenaphthene	U	0.441	U	0.626	U	0.626	U	0.645	U	0.645
Dibenzofuran	U	0.438	U	0.622	U	0.622	U	0.641	U	0.641
Fluorene	U	0.437	U	0.621	U	0.621	U	0.640	U	0.640
Phenanthrene	U	0.445	U	0.632	U	0.632	U	0.651	U	0.651
Anthracene	U	0.475	U	0.675	U	0.675	U	0.696	U	0.696
Carbazole	U	0.480	U	0.682	U	0.682	U	0.702	U	0.702
Fluoranthene	U	0.471	U	0.670	U	0.670	U	0.690	U	0.690
Pyrene	U	0.476	U	0.676	U	0.676	U	0.697	U	0.697
Benzo(a)anthracene	U	0.456	U	0.647	U	0.647	U	0.667	U	0.667
Chrysene	U	0.433	U	0.615	U	0.615	U	0.634	U	0.634
Benzo(b)fluoranthene	U	0.460	U	0.653	U	0.653	U	0.673	U	0.673
Benzo(k)fluoranthene	U	0.483	U	0.687	U	0.687	U	0.708	U	0.708
Benzo(e)pyrene	U	0.463	U	0.657	U	0.657	U	0.677	U	0.677
Benzo(a)pyrene	U	0.515	U	0.732	U	0.732	U	0.755	U	0.755
Indeno(1,2,3cd)pyrene	U	0.500	U	0.711	U	0.711	U	0.732	U	0.732
Dibenzo(a,h)anthracene	U	0.501	U	0.712	U	0.712	U	0.734	U	0.734
Benzo(g,h,i)perylene	U	0.484	U	0.687	U	0.687	U	0.708	U	0.708

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210002-09		R210002-19		R210002-20		R210002-21		R210002-22	
Sample Number	34001-0009		34001-0019		34001-0020		34001-0021		34001-0022	
Sampling Location	Field Blank		P0004		P0011		P0002		P0010	
Volume (L)	0		715		705		704		702	
Analyte	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.411	U	0.575	U	0.583	U	0.584	U	0.586
2Methylnaphthalene	U	0.436	U	0.610	U	0.618	U	0.619	U	0.621
1Methylnaphthalene	U	0.443	U	0.620	U	0.628	U	0.629	U	0.631
Biphenyl	U	0.430	U	0.601	U	0.610	U	0.611	U	0.613
2,6Dimethylnaphthalene	U	0.441	U	0.617	U	0.626	U	0.627	U	0.628
Acenaphthylene	U	0.462	U	0.647	U	0.656	U	0.657	U	0.659
Acenaphthene	U	0.441	U	0.616	U	0.625	U	0.626	U	0.628
Dibenzofuran	U	0.438	U	0.612	U	0.621	U	0.622	U	0.623
Fluorene	U	0.437	U	0.611	U	0.620	U	0.621	U	0.622
Phenanthrene	U	0.445	U	0.622	U	0.631	U	0.632	U	0.633
Anthracene	U	0.475	U	0.664	U	0.674	U	0.675	U	0.677
Carbazole	U	0.480	U	0.671	U	0.681	U	0.682	U	0.683
Fluoranthene	U	0.471	U	0.659	U	0.669	U	0.670	U	0.672
Pyrene	U	0.476	U	0.665	U	0.675	U	0.676	U	0.678
Benzo(a)anthracene	U	0.456	U	0.637	U	0.646	U	0.647	U	0.649
Chrysene	U	0.433	U	0.605	U	0.614	U	0.615	U	0.617
Benzo(b)fluoranthene	U	0.460	U	0.643	U	0.652	U	0.653	U	0.655
Benzo(k)fluoranthene	U	0.483	U	0.676	U	0.686	U	0.687	U	0.689
Benzo(e)pyrene	U	0.463	U	0.647	U	0.656	U	0.657	U	0.659
Benzo(a)pyrene	U	0.515	U	0.721	U	0.731	U	0.732	U	0.734
Indeno(1,2,3cd)pyrene	U	0.500	U	0.700	U	0.710	U	0.711	U	0.713
Dibenzo(a,h)anthracene	U	0.501	U	0.701	U	0.711	U	0.712	U	0.714
Benzo(g,h,i)perylene	U	0.484	U	0.676	U	0.686	U	0.687	U	0.689

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210002-23		R210002-24		R210002-25		R210002-26	
Sample Number	34001-0023		34001-0024		34001-0025		34001-0026	
Sampling Location	P0006		P0005		P0003		Field Blank	
Volume (L)	706		700		700		0	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg
Naphthalene	U	0.582	U	0.587	U	0.587	U	0.411
2Methylnaphthalene	U	0.617	U	0.623	U	0.623	U	0.436
1Methylnaphthalene	U	0.628	U	0.633	U	0.633	U	0.443
Biphenyl	U	0.609	U	0.614	U	0.614	U	0.430
2,6Dimethylnaphthalene	U	0.625	U	0.630	U	0.630	U	0.441
Acenaphthylene	U	0.655	U	0.661	U	0.661	U	0.462
Acenaphthene	U	0.624	U	0.630	U	0.630	U	0.441
Dibenzofuran	U	0.620	U	0.625	U	0.625	U	0.438
Fluorene	U	0.619	U	0.624	U	0.624	U	0.437
Phenanthrene	U	0.630	U	0.635	U	0.635	U	0.445
Anthracene	U	0.673	U	0.679	U	0.679	U	0.475
Carbazole	U	0.680	U	0.685	U	0.685	U	0.480
Fluoranthene	U	0.668	U	0.674	U	0.674	U	0.471
Pyrene	U	0.674	U	0.680	U	0.680	U	0.476
Benzo(a)anthracene	U	0.646	U	0.651	U	0.651	U	0.456
Chrysene	U	0.613	U	0.618	U	0.618	U	0.433
Benzo(b)fluoranthene	U	0.651	U	0.657	U	0.657	U	0.460
Benzo(k)fluoranthene	U	0.685	U	0.690	U	0.690	U	0.483
Benzo(e)pyrene	U	0.655	U	0.661	U	0.661	U	0.463
Benzo(a)pyrene	U	0.730	U	0.736	U	0.736	U	0.515
Indeno(1,2,3cd)pyrene	U	0.709	U	0.715	U	0.715	U	0.500
Dibenzo(a,h)anthracene	U	0.710	U	0.716	U	0.716	U	0.501
Benzo(g,h,i)perylene	U	0.685	U	0.691	U	0.691	U	0.484

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number		R210004-01	R210004-02	R210004-03	R210004-04
Sample Number	Lot Blank #3	34001-0027	34001-0028	34001-0029	34001-0030
Sampling Location	:OC# 210021211415900(	P0004	P0011	P0002	P0010
Volume (L)	0	710	720	720	720

Analyte	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.411	U	0.579	U	0.571	U	0.571	U	0.571
2Methylnaphthalene	U	0.436	U	0.614	U	0.605	U	0.605	U	0.605
1Methylnaphthalene	U	0.443	U	0.624	U	0.615	U	0.615	U	0.615
Biphenyl	U	0.430	U	0.606	U	0.597	U	0.597	U	0.597
2,6Dimethylnaphthalene	U	0.441	U	0.621	U	0.613	U	0.613	U	0.613
Acenaphthylene	U	0.462	U	0.651	U	0.642	U	0.642	U	0.642
Acenaphthene	U	0.441	U	0.621	U	0.612	U	0.612	U	0.612
Dibenzofuran	U	0.438	U	0.616	U	0.608	U	0.608	U	0.608
Fluorene	U	0.437	U	0.615	U	0.607	U	0.607	U	0.607
Phenanthrene	U	0.445	U	0.626	U	0.618	U	0.618	U	0.618
Anthracene	U	0.475	U	0.669	U	0.660	U	0.660	U	0.660
Carbazole	U	0.480	U	0.676	U	0.666	U	0.666	U	0.666
Fluoranthene	U	0.471	U	0.664	U	0.655	U	0.655	U	0.655
Pyrene	U	0.476	U	0.670	U	0.661	U	0.661	U	0.661
Benzo(a)anthracene	U	0.456	U	0.642	U	0.633	U	0.633	U	0.633
Chrysene	U	0.433	U	0.610	U	0.601	U	0.601	U	0.601
Benzo(b)fluoranthene	U	0.460	U	0.648	U	0.639	U	0.639	U	0.639
Benzo(k)fluoranthene	U	0.483	U	0.681	U	0.671	U	0.671	U	0.671
Benzo(e)pyrene	U	0.463	U	0.651	U	0.642	U	0.642	U	0.642
Benzo(a)pyrene	U	0.515	U	0.726	U	0.716	U	0.716	U	0.716
Indeno(1,2,3cd)pyrene	U	0.500	U	0.705	U	0.695	U	0.695	U	0.695
Dibenzo(a,h)anthracene	U	0.501	U	0.706	U	0.696	U	0.696	U	0.696
Benzo(g,h,i)perylene	U	0.484	U	0.681	U	0.672	U	0.672	U	0.672

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210004-05	R210004-06	R210004-07	R210004-08	R210004-09
Sample Number	34001-0031	34001-0032	34001-0033	34001-0034	34001-0035
Sampling Location	P0006	P0005	P0003	Field Blank	P0004
Volume (L)	720	720	720	0	705

Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg	Result µg / m³	RL µg / m³
Naphthalene	U	0.571	U	0.571	U	0.571	U	0.411	U	0.583
2Methylnaphthalene	U	0.605	U	0.605	U	0.605	U	0.436	U	0.618
1Methylnaphthalene	U	0.615	U	0.615	U	0.615	U	0.443	U	0.628
Biphenyl	U	0.597	U	0.597	U	0.597	U	0.430	U	0.610
2,6Dimethylnaphthalene	U	0.613	U	0.613	U	0.613	U	0.441	U	0.626
Acenaphthylene	U	0.642	U	0.642	U	0.642	U	0.462	U	0.656
Acenaphthene	U	0.612	U	0.612	U	0.612	U	0.441	U	0.625
Dibenzofuran	U	0.608	U	0.608	U	0.608	U	0.438	U	0.621
Fluorene	U	0.607	U	0.607	U	0.607	U	0.437	U	0.620
Phenanthrene	U	0.618	U	0.618	U	0.618	U	0.445	U	0.631
Anthracene	U	0.660	U	0.660	U	0.660	U	0.475	U	0.674
Carbazole	U	0.666	U	0.666	U	0.666	U	0.480	U	0.681
Fluoranthene	U	0.655	U	0.655	U	0.655	U	0.471	U	0.669
Pyrene	U	0.661	U	0.661	U	0.661	U	0.476	U	0.675
Benzo(a)anthracene	U	0.633	U	0.633	U	0.633	U	0.456	U	0.646
Chrysene	U	0.601	U	0.601	U	0.601	U	0.433	U	0.614
Benzo(b)fluoranthene	U	0.639	U	0.639	U	0.639	U	0.460	U	0.652
Benzo(k)fluoranthene	U	0.671	U	0.671	U	0.671	U	0.483	U	0.686
Benzo(e)pyrene	U	0.642	U	0.642	U	0.642	U	0.463	U	0.656
Benzo(a)pyrene	U	0.716	U	0.716	U	0.716	U	0.515	U	0.731
Indeno(1,2,3cd)pyrene	U	0.695	U	0.695	U	0.695	U	0.500	U	0.710
Dibenzo(a,h)anthracene	U	0.696	U	0.696	U	0.696	U	0.501	U	0.711
Benzo(g,h,i)perylene	U	0.672	U	0.672	U	0.672	U	0.484	U	0.686

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210004-10		R210004-11		R210004-12		R210004-13	
Sample Number	34001-0036		34001-0037		34001-0038		34001-0039	
Sampling Location	P0011		P0002		P0010		P0006	
Volume (L)	702		702		707		700	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.586	U	0.586	U	0.582	U	0.587
2Methylnaphthalene	U	0.621	U	0.621	U	0.616	U	0.623
1Methylnaphthalene	U	0.631	U	0.631	U	0.627	U	0.633
Biphenyl	U	0.613	U	0.613	U	0.608	U	0.614
2,6Dimethylnaphthalene	U	0.628	U	0.628	U	0.624	U	0.630
Acenaphthylene	U	0.659	U	0.659	U	0.654	U	0.661
Acenaphthene	U	0.628	U	0.628	U	0.623	U	0.630
Dibenzofuran	U	0.623	U	0.623	U	0.619	U	0.625
Fluorene	U	0.622	U	0.622	U	0.618	U	0.624
Phenanthrene	U	0.633	U	0.633	U	0.629	U	0.635
Anthracene	U	0.677	U	0.677	U	0.672	U	0.679
Carbazole	U	0.683	U	0.683	U	0.679	U	0.685
Fluoranthene	U	0.672	U	0.672	U	0.667	U	0.674
Pyrene	U	0.678	U	0.678	U	0.673	U	0.680
Benzo(a)anthracene	U	0.649	U	0.649	U	0.645	U	0.651
Chrysene	U	0.617	U	0.617	U	0.612	U	0.618
Benzo(b)fluoranthene	U	0.655	U	0.655	U	0.650	U	0.657
Benzo(k)fluoranthene	U	0.689	U	0.689	U	0.684	U	0.690
Benzo(e)pyrene	U	0.659	U	0.659	U	0.654	U	0.661
Benzo(a)pyrene	U	0.734	U	0.734	U	0.729	U	0.736
Indeno(1,2,3cd)pyrene	U	0.713	U	0.713	U	0.708	U	0.715
Dibenzo(a,h)anthracene	U	0.714	U	0.714	U	0.709	U	0.716
Benzo(g,h,i)perylene	U	0.689	U	0.689	U	0.684	U	0.691

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210004-14		R210004-15		R210004-16				R210004-17	
Sample Number	34001-0040		34001-0041		34001-0042		Lot Blank #4		34001-0043	
Sampling Location	P0005		P0003		Field Blank		COC# 2100212114159000 2		P0004	
Volume (L)	700		700		0		0		720	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg	Result total µg	RL total µg	Result µg / m³	RL µg / m³
Naphthalene	U	0.587	U	0.587	U	0.411	U	0.411	U	0.571
2Methylnaphthalene	U	0.623	U	0.623	U	0.436	U	0.436	U	0.605
1Methylnaphthalene	U	0.633	U	0.633	U	0.443	U	0.443	U	0.615
Biphenyl	U	0.614	U	0.614	U	0.430	U	0.430	U	0.597
2,6Dimethylnaphthalene	U	0.630	U	0.630	U	0.441	U	0.441	U	0.613
Acenaphthylene	U	0.661	U	0.661	U	0.462	U	0.462	U	0.642
Acenaphthene	U	0.630	U	0.630	U	0.441	U	0.441	U	0.612
Dibenzofuran	U	0.625	U	0.625	U	0.438	U	0.438	U	0.608
Fluorene	U	0.624	U	0.624	U	0.437	U	0.437	U	0.607
Phenanthrene	U	0.635	U	0.635	U	0.445	U	0.445	U	0.618
Anthracene	U	0.679	U	0.679	U	0.475	U	0.475	U	0.660
Carbazole	U	0.685	U	0.685	U	0.480	U	0.480	U	0.666
Fluoranthene	U	0.674	U	0.674	U	0.471	U	0.471	U	0.655
Pyrene	U	0.680	U	0.680	U	0.476	U	0.476	U	0.661
Benzo(a)anthracene	U	0.651	U	0.651	U	0.456	U	0.456	U	0.633
Chrysene	U	0.618	U	0.618	U	0.433	U	0.433	U	0.601
Benzo(b)fluoranthene	U	0.657	U	0.657	U	0.460	U	0.460	U	0.639
Benzo(k)fluoranthene	U	0.690	U	0.690	U	0.483	U	0.483	U	0.671
Benzo(e)pyrene	U	0.661	U	0.661	U	0.463	U	0.463	U	0.642
Benzo(a)pyrene	U	0.736	U	0.736	U	0.515	U	0.515	U	0.716
Indeno(1,2,3cd)pyrene	U	0.715	U	0.715	U	0.500	U	0.500	U	0.695
Dibenzo(a,h)anthracene	U	0.716	U	0.716	U	0.501	U	0.501	U	0.696
Benzo(g,h,i)perylene	U	0.691	U	0.691	U	0.484	U	0.484	U	0.672

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210004-18		R210004-19		R210004-20		R210004-21		R210004-22	
Sample Number	34001-0044		34001-0045		34001-0046		34001-0047		34001-0048	
Sampling Location	P0011		P0002		P0002co		P0010		P0006	
Volume (L)	720		720		720		720		684	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.571	U	0.571	U	0.571	U	0.571	U	0.601
2Methylnaphthalene	U	0.605	U	0.605	U	0.605	U	0.605	U	0.637
1Methylnaphthalene	U	0.615	U	0.615	U	0.615	U	0.615	U	0.648
Biphenyl	U	0.597	U	0.597	U	0.597	U	0.597	U	0.629
2,6Dimethylnaphthalene	U	0.613	U	0.613	U	0.613	U	0.613	U	0.645
Acenaphthylene	U	0.642	U	0.642	U	0.642	U	0.642	U	0.676
Acenaphthene	U	0.612	U	0.612	U	0.612	U	0.612	U	0.644
Dibenzofuran	U	0.608	U	0.608	U	0.608	U	0.608	U	0.640
Fluorene	U	0.607	U	0.607	U	0.607	U	0.607	U	0.639
Phenanthrene	U	0.618	U	0.618	U	0.618	U	0.618	U	0.650
Anthracene	U	0.660	U	0.660	U	0.660	U	0.660	U	0.695
Carbazole	U	0.666	U	0.666	U	0.666	U	0.666	U	0.701
Fluoranthene	U	0.655	U	0.655	U	0.655	U	0.655	U	0.689
Pyrene	U	0.661	U	0.661	U	0.661	U	0.661	U	0.695
Benzo(a)anthracene	U	0.633	U	0.633	U	0.633	U	0.633	U	0.666
Chrysene	U	0.601	U	0.601	U	0.601	U	0.601	U	0.633
Benzo(b)fluoranthene	U	0.639	U	0.639	U	0.639	U	0.639	U	0.672
Benzo(k)fluoranthene	U	0.671	U	0.671	U	0.671	U	0.671	U	0.707
Benzo(e)pyrene	U	0.642	U	0.642	U	0.642	U	0.642	U	0.676
Benzo(a)pyrene	U	0.716	U	0.716	U	0.716	U	0.716	U	0.754
Indeno(1,2,3cd)pyrene	U	0.695	U	0.695	U	0.695	U	0.695	U	0.731
Dibenzo(a,h)anthracene	U	0.696	U	0.696	U	0.696	U	0.696	U	0.733
Benzo(g,h,i)perylene	U	0.672	U	0.672	U	0.672	U	0.672	U	0.707

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210004-23		R210004-24		R210004-25	
Sample Number	34001-0049		34001-0050		34001-0051	
Sampling Location	P0005		P0003		Field Blank	
Volume (L)	720		720		0	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg
Naphthalene	U	0.571	U	0.571	U	0.411
2Methylnaphthalene	U	0.605	U	0.605	U	0.436
1Methylnaphthalene	U	0.615	U	0.615	U	0.443
Biphenyl	U	0.597	U	0.597	U	0.430
2,6Dimethylnaphthalene	U	0.613	U	0.613	U	0.441
Acenaphthylene	U	0.642	U	0.642	U	0.462
Acenaphthene	U	0.612	U	0.612	U	0.441
Dibenzofuran	U	0.608	U	0.608	U	0.438
Fluorene	U	0.607	U	0.607	U	0.437
Phenanthrene	U	0.618	U	0.618	U	0.445
Anthracene	U	0.660	U	0.660	U	0.475
Carbazole	U	0.666	U	0.666	U	0.480
Fluoranthene	U	0.655	U	0.655	U	0.471
Pyrene	U	0.661	U	0.661	U	0.476
Benzo(a)anthracene	U	0.633	U	0.633	U	0.456
Chrysene	U	0.601	U	0.601	U	0.433
Benzo(b)fluoranthene	U	0.639	U	0.639	U	0.460
Benzo(k)fluoranthene	U	0.671	U	0.671	U	0.483
Benzo(e)pyrene	U	0.642	U	0.642	U	0.463
Benzo(a)pyrene	U	0.716	U	0.716	U	0.515
Indeno(1,2,3cd)pyrene	U	0.695	U	0.695	U	0.500
Dibenzo(a,h)anthracene	U	0.696	U	0.696	U	0.501
Benzo(g,h,i)perylene	U	0.672	U	0.672	U	0.484

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number		R210006-08		R210006-01		R210006-02		R210006-03	
Sample Number	Lot Blank #5	34001-0059		34001-0052		34001-0053		34001-0054	
Sampling Location	COC# 210031214073500003	Field Blank		P0004		P0011		P0002	
Volume (L)	0	0		707		700		700	
Analyte	Result total µg	RL total µg	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.411	U	0.411	U	0.582	U	0.587	U	0.587
2Methylnaphthalene	U	0.436	U	0.436	U	0.616	U	0.623	U	0.623
1Methylnaphthalene	U	0.443	U	0.443	U	0.627	U	0.633	U	0.633
Biphenyl	U	0.430	U	0.430	U	0.608	U	0.614	U	0.614
2,6Dimethylnaphthalene	U	0.441	U	0.441	U	0.624	U	0.630	U	0.630
Acenaphthylene	U	0.462	U	0.462	U	0.654	U	0.661	U	0.661
Acenaphthene	U	0.441	U	0.441	U	0.623	U	0.630	U	0.630
Dibenzofuran	U	0.438	U	0.438	U	0.619	U	0.625	U	0.625
Fluorene	U	0.437	U	0.437	U	0.618	U	0.624	U	0.624
Phenanthrene	U	0.445	U	0.445	U	0.629	U	0.635	U	0.635
Anthracene	U	0.475	U	0.475	U	0.672	U	0.679	U	0.679
Carbazole	U	0.480	U	0.480	U	0.679	U	0.685	U	0.685
Fluoranthene	U	0.471	U	0.471	U	0.667	U	0.674	U	0.674
Pyrene	U	0.476	U	0.476	U	0.673	U	0.680	U	0.680
Benzo(a)anthracene	U	0.456	U	0.456	U	0.645	U	0.651	U	0.651
Chrysene	U	0.433	U	0.433	U	0.612	U	0.618	U	0.618
Benzo(b)fluoranthene	U	0.460	U	0.460	U	0.650	U	0.657	U	0.657
Benzo(k)fluoranthene	U	0.483	U	0.483	U	0.684	U	0.690	U	0.690
Benzo(e)pyrene	U	0.463	U	0.463	U	0.654	U	0.661	U	0.661
Benzo(a)pyrene	U	0.515	U	0.515	U	0.729	U	0.736	U	0.736
Indeno(1,2,3cd)pyrene	U	0.500	U	0.500	U	0.708	U	0.715	U	0.715
Dibenzo(a,h)anthracene	U	0.501	U	0.501	U	0.709	U	0.716	U	0.716
Benzo(g,h,i)perylene	U	0.484	U	0.484	U	0.684	U	0.691	U	0.691

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210006-04		R210006-05		R210006-06		R210006-07		R210006-09	
Sample Number	34001-0055		34001-0056		34001-0057		34001-0058		34001-0060	
Sampling Location	P0010		P0006		P0005		P0003		P0004	
Volume (L)	600		515		671		714		710	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.685	U	0.798	U	0.613	U	0.576	U	0.579
2Methylnaphthalene	U	0.726	U	0.846	U	0.650	U	0.610	U	0.614
1Methylnaphthalene	U	0.738	U	0.860	U	0.660	U	0.621	U	0.624
Biphenyl	U	0.717	U	0.835	U	0.641	U	0.602	U	0.606
2,6Dimethylnaphthalene	U	0.735	U	0.857	U	0.657	U	0.618	U	0.621
Acenaphthylene	U	0.771	U	0.898	U	0.689	U	0.648	U	0.651
Acenaphthene	U	0.735	U	0.856	U	0.657	U	0.617	U	0.621
Dibenzofuran	U	0.729	U	0.850	U	0.652	U	0.613	U	0.616
Fluorene	U	0.728	U	0.848	U	0.651	U	0.612	U	0.615
Phenanthrene	U	0.741	U	0.863	U	0.663	U	0.623	U	0.626
Anthracene	U	0.792	U	0.923	U	0.708	U	0.665	U	0.669
Carbazole	U	0.800	U	0.932	U	0.715	U	0.672	U	0.676
Fluoranthene	U	0.786	U	0.915	U	0.703	U	0.660	U	0.664
Pyrene	U	0.793	U	0.924	U	0.709	U	0.666	U	0.670
Benzo(a)anthracene	U	0.760	U	0.885	U	0.679	U	0.638	U	0.642
Chrysene	U	0.721	U	0.841	U	0.645	U	0.606	U	0.610
Benzo(b)fluoranthene	U	0.766	U	0.893	U	0.685	U	0.644	U	0.648
Benzo(k)fluoranthene	U	0.806	U	0.939	U	0.720	U	0.677	U	0.681
Benzo(e)pyrene	U	0.771	U	0.898	U	0.689	U	0.648	U	0.651
Benzo(a)pyrene	U	0.859	U	1.001	U	0.768	U	0.722	U	0.726
Indeno(1,2,3cd)pyrene	U	0.834	U	0.971	U	0.745	U	0.701	U	0.705
Dibenzo(a,h)anthracene	U	0.836	U	0.974	U	0.747	U	0.702	U	0.706
Benzo(g,h,i)perylene	U	0.806	U	0.939	U	0.721	U	0.677	U	0.681

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210006-10		R210006-11		R210006-12		R210006-13		R210006-14	
Sample Number	34001-0061		34001-0062		34001-0063		34001-0064		34001-0065	
Sampling Location	P0011		P0002		P0010		P0005		P0006	
Volume (L)	710		700		700		700		700	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.579	U	0.587	U	0.587	U	0.587	U	0.587
2Methylnaphthalene	U	0.614	U	0.623	U	0.623	U	0.623	U	0.623
1Methylnaphthalene	U	0.624	U	0.633	U	0.633	U	0.633	U	0.633
Biphenyl	U	0.606	U	0.614	U	0.614	U	0.614	U	0.614
2,6Dimethylnaphthalene	U	0.621	U	0.630	U	0.630	U	0.630	U	0.630
Acenaphthylene	U	0.651	U	0.661	U	0.661	U	0.661	U	0.661
Acenaphthene	U	0.621	U	0.630	U	0.630	U	0.630	U	0.630
Dibenzofuran	U	0.616	U	0.625	U	0.625	U	0.625	U	0.625
Fluorene	U	0.615	U	0.624	U	0.624	U	0.624	U	0.624
Phenanthrene	U	0.626	U	0.635	U	0.635	U	0.635	U	0.635
Anthracene	U	0.669	U	0.679	U	0.679	U	0.679	U	0.679
Carbazole	U	0.676	U	0.685	U	0.685	U	0.685	U	0.685
Fluoranthene	U	0.664	U	0.674	U	0.674	U	0.674	U	0.674
Pyrene	U	0.670	U	0.680	U	0.680	U	0.680	U	0.680
Benzo(a)anthracene	U	0.642	U	0.651	U	0.651	U	0.651	U	0.651
Chrysene	U	0.610	U	0.618	U	0.618	U	0.618	U	0.618
Benzo(b)fluoranthene	U	0.648	U	0.657	U	0.657	U	0.657	U	0.657
Benzo(k)fluoranthene	U	0.681	U	0.690	U	0.690	U	0.690	U	0.690
Benzo(e)pyrene	U	0.651	U	0.661	U	0.661	U	0.661	U	0.661
Benzo(a)pyrene	U	0.726	U	0.736	U	0.736	U	0.736	U	0.736
Indeno(1,2,3cd)pyrene	U	0.705	U	0.715	U	0.715	U	0.715	U	0.715
Dibenzo(a,h)anthracene	U	0.706	U	0.716	U	0.716	U	0.716	U	0.716
Benzo(g,h,i)perylene	U	0.681	U	0.691	U	0.691	U	0.691	U	0.691

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210006-15		R210006-16	
Sample Number	34001-0066		34001-0067	
Sampling Location	P0003		Field Blank	
Volume (L)	700		0	
Analyte	Result µg / m³	RL µg / m³	Result total µg	RL total µg
Naphthalene	U	0.587	U	0.411
2Methylnaphthalene	U	0.623	U	0.436
1Methylnaphthalene	U	0.633	U	0.443
Biphenyl	U	0.614	U	0.430
2,6Dimethylnaphthalene	U	0.630	U	0.441
Acenaphthylene	U	0.661	U	0.462
Acenaphthene	U	0.630	U	0.441
Dibenzofuran	U	0.625	U	0.438
Fluorene	U	0.624	U	0.437
Phenanthrene	U	0.635	U	0.445
Anthracene	U	0.679	U	0.475
Carbazole	U	0.685	U	0.480
Fluoranthene	U	0.674	U	0.471
Pyrene	U	0.680	U	0.476
Benzo(a)anthracene	U	0.651	U	0.456
Chrysene	U	0.618	U	0.433
Benzo(b)fluoranthene	U	0.657	U	0.460
Benzo(k)fluoranthene	U	0.690	U	0.483
Benzo(e)pyrene	U	0.661	U	0.463
Benzo(a)pyrene	U	0.736	U	0.515
Indeno(1,2,3cd)pyrene	U	0.715	U	0.500
Dibenzo(a,h)anthracene	U	0.716	U	0.501
Benzo(g,h,i)perylene	U	0.691	U	0.484

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number		R210007-01		R210007-02		R210007-03		R210007-04	
Sample Number	Lot Blank #6	34001-0068		34001-0069		34001-0070		34001-0071	
Sampling Location	COC# 21004121425200005	P0004		P0011		P0002		P0010	
Volume (L)	0	720		720		715		713	
Analyte	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.411	U	0.571	U	0.571	U	0.575	U	0.577
2Methylnaphthalene	U	0.436	U	0.605	U	0.605	U	0.610	U	0.611
1Methylnaphthalene	U	0.443	U	0.615	U	0.615	U	0.620	U	0.621
Biphenyl	U	0.430	U	0.597	U	0.597	U	0.601	U	0.603
2,6Dimethylnaphthalene	U	0.441	U	0.613	U	0.613	U	0.617	U	0.619
Acenaphthylene	U	0.462	U	0.642	U	0.642	U	0.647	U	0.649
Acenaphthene	U	0.441	U	0.612	U	0.612	U	0.616	U	0.618
Dibenzofuran	U	0.438	U	0.608	U	0.608	U	0.612	U	0.614
Fluorene	U	0.437	U	0.607	U	0.607	U	0.611	U	0.613
Phenanthrene	U	0.445	U	0.618	U	0.618	U	0.622	U	0.624
Anthracene	U	0.475	U	0.660	U	0.660	U	0.664	U	0.666
Carbazole	U	0.480	U	0.666	U	0.666	U	0.671	U	0.673
Fluoranthene	U	0.471	U	0.655	U	0.655	U	0.659	U	0.661
Pyrene	U	0.476	U	0.661	U	0.661	U	0.665	U	0.667
Benzo(a)anthracene	U	0.456	U	0.633	U	0.633	U	0.637	U	0.639
Chrysene	U	0.433	U	0.601	U	0.601	U	0.605	U	0.607
Benzo(b)fluoranthene	U	0.460	U	0.639	U	0.639	U	0.643	U	0.645
Benzo(k)fluoranthene	U	0.483	U	0.671	U	0.671	U	0.676	U	0.678
Benzo(e)pyrene	U	0.463	U	0.642	U	0.642	U	0.647	U	0.649
Benzo(a)pyrene	U	0.515	U	0.716	U	0.716	U	0.721	U	0.723
Indeno(1,2,3cd)pyrene	U	0.500	U	0.695	U	0.695	U	0.700	U	0.702
Dibenzo(a,h)anthracene	U	0.501	U	0.696	U	0.696	U	0.701	U	0.703
Benzo(g,h,i)perylene	U	0.484	U	0.672	U	0.672	U	0.676	U	0.678

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210007-05		R210007-06		R210007-07		R210007-08		R210007-09	
Sample Number	34001-0072		34001-0073		34001-0074		34001-0075		34001-0076	
Sampling Location	P0006		P0005		P0003		Field Blank		P0004	
Volume (L)	705		711		709		0		700	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg	Result µg / m³	RL µg / m³
Naphthalene	U	0.583	U	0.578	U	0.580	U	0.411	U	0.587
2Methylnaphthalene	U	0.618	U	0.613	U	0.615	U	0.436	U	0.623
1Methylnaphthalene	U	0.628	U	0.623	U	0.625	U	0.443	U	0.633
Biphenyl	U	0.610	U	0.605	U	0.606	U	0.430	U	0.614
2,6Dimethylnaphthalene	U	0.626	U	0.620	U	0.622	U	0.441	U	0.630
Acenaphthylene	U	0.656	U	0.650	U	0.652	U	0.462	U	0.661
Acenaphthene	U	0.625	U	0.620	U	0.622	U	0.441	U	0.630
Dibenzofuran	U	0.621	U	0.616	U	0.617	U	0.438	U	0.625
Fluorene	U	0.620	U	0.615	U	0.616	U	0.437	U	0.624
Phenanthrene	U	0.631	U	0.625	U	0.627	U	0.445	U	0.635
Anthracene	U	0.674	U	0.668	U	0.670	U	0.475	U	0.679
Carbazole	U	0.681	U	0.675	U	0.677	U	0.480	U	0.685
Fluoranthene	U	0.669	U	0.663	U	0.665	U	0.471	U	0.674
Pyrene	U	0.675	U	0.669	U	0.671	U	0.476	U	0.680
Benzo(a)anthracene	U	0.646	U	0.641	U	0.643	U	0.456	U	0.651
Chrysene	U	0.614	U	0.609	U	0.611	U	0.433	U	0.618
Benzo(b)fluoranthene	U	0.652	U	0.647	U	0.649	U	0.460	U	0.657
Benzo(k)fluoranthene	U	0.686	U	0.680	U	0.682	U	0.483	U	0.690
Benzo(e)pyrene	U	0.656	U	0.651	U	0.652	U	0.463	U	0.661
Benzo(a)pyrene	U	0.731	U	0.725	U	0.727	U	0.515	U	0.736
Indeno(1,2,3cd)pyrene	U	0.710	U	0.704	U	0.706	U	0.500	U	0.715
Dibenzo(a,h)anthracene	U	0.711	U	0.705	U	0.707	U	0.501	U	0.716
Benzo(g,h,i)perylene	U	0.686	U	0.680	U	0.682	U	0.484	U	0.691

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210007-10		R210007-11		R210007-12		R210007-13		R210007-14	
Sample Number	34001-0077		34001-0078		34001-0079		34001-0080		34001-0081	
Sampling Location	P0011		P0002		P0010		P0005		P0006	
Volume (L)	700		701		705		710		710	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.587	U	0.587	U	0.583	U	0.579	U	0.579
2Methylnaphthalene	U	0.623	U	0.622	U	0.618	U	0.614	U	0.614
1Methylnaphthalene	U	0.633	U	0.632	U	0.628	U	0.624	U	0.624
Biphenyl	U	0.614	U	0.613	U	0.610	U	0.606	U	0.606
2,6Dimethylnaphthalene	U	0.630	U	0.629	U	0.626	U	0.621	U	0.621
Acenaphthylene	U	0.661	U	0.660	U	0.656	U	0.651	U	0.651
Acenaphthene	U	0.630	U	0.629	U	0.625	U	0.621	U	0.621
Dibenzofuran	U	0.625	U	0.624	U	0.621	U	0.616	U	0.616
Fluorene	U	0.624	U	0.623	U	0.620	U	0.615	U	0.615
Phenanthrene	U	0.635	U	0.634	U	0.631	U	0.626	U	0.626
Anthracene	U	0.679	U	0.678	U	0.674	U	0.669	U	0.669
Carbazole	U	0.685	U	0.684	U	0.681	U	0.676	U	0.676
Fluoranthene	U	0.674	U	0.673	U	0.669	U	0.664	U	0.664
Pyrene	U	0.680	U	0.679	U	0.675	U	0.670	U	0.670
Benzo(a)anthracene	U	0.651	U	0.650	U	0.646	U	0.642	U	0.642
Chrysene	U	0.618	U	0.618	U	0.614	U	0.610	U	0.610
Benzo(b)fluoranthene	U	0.657	U	0.656	U	0.652	U	0.648	U	0.648
Benzo(k)fluoranthene	U	0.690	U	0.689	U	0.686	U	0.681	U	0.681
Benzo(e)pyrene	U	0.661	U	0.660	U	0.656	U	0.651	U	0.651
Benzo(a)pyrene	U	0.736	U	0.735	U	0.731	U	0.726	U	0.726
Indeno(1,2,3cd)pyrene	U	0.715	U	0.714	U	0.710	U	0.705	U	0.705
Dibenzo(a,h)anthracene	U	0.716	U	0.715	U	0.711	U	0.706	U	0.706
Benzo(g,h,i)perylene	U	0.691	U	0.690	U	0.686	U	0.681	U	0.681

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210007-15		R210007-16	
Sample Number	34001-0082		34001-0083	
Sampling Location	P0003		Field Blank	
Volume (L)	710		0	
Analyte	Result µg / m³	RL µg / m³	Result total µg	RL total µg
Naphthalene	0.875	0.579	U	0.411
2Methylnaphthalene	U	0.614	U	0.436
1Methylnaphthalene	U	0.624	U	0.443
Biphenyl	0.663	0.606	U	0.430
2,6Dimethylnaphthalene	U	0.621	U	0.441
Acenaphthylene	U	0.651	U	0.462
Acenaphthene	U	0.621	U	0.441
Dibenzofuran	U	0.616	U	0.438
Fluorene	U	0.615	U	0.437
Phenanthrene	U	0.626	U	0.445
Anthracene	U	0.669	U	0.475
Carbazole	U	0.676	U	0.480
Fluoranthene	U	0.664	U	0.471
Pyrene	U	0.670	U	0.476
Benzo(a)anthracene	U	0.642	U	0.456
Chrysene	U	0.610	U	0.433
Benzo(b)fluoranthene	U	0.648	U	0.460
Benzo(k)fluoranthene	U	0.681	U	0.483
Benzo(e)pyrene	U	0.651	U	0.463
Benzo(a)pyrene	U	0.726	U	0.515
Indeno(1,2,3cd)pyrene	U	0.705	U	0.500
Dibenzo(a,h)anthracene	U	0.706	U	0.501
Benzo(g,h,i)perylene	U	0.681	U	0.484

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number		R210008-01	R210008-02	R210008-03	R210008-04
Sample Number	Lot Blank #7	34001-0084	34001-0085	34001-0086	34001-0087
Sampling Location	COC# 2100512111546000 6	P0004	P0011	P0002	P0010
Volume (L)	0	720	720	720	720

Analyte	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.411	U	0.571	U	0.571	U	0.571	U	0.571
2Methylnaphthalene	U	0.436	U	0.605	U	0.605	U	0.605	U	0.605
1Methylnaphthalene	U	0.443	U	0.615	U	0.615	U	0.615	U	0.615
Biphenyl	U	0.430	U	0.597	U	0.597	U	0.597	U	0.597
2,6Dimethylnaphthalene	U	0.441	U	0.613	U	0.613	U	0.613	U	0.613
Acenaphthylene	U	0.462	U	0.642	U	0.642	U	0.642	U	0.642
Acenaphthene	U	0.441	U	0.612	U	0.612	U	0.612	U	0.612
Dibenzofuran	U	0.438	U	0.608	U	0.608	U	0.608	U	0.608
Fluorene	U	0.437	U	0.607	U	0.607	U	0.607	U	0.607
Phenanthrene	U	0.445	U	0.618	U	0.618	U	0.618	U	0.618
Anthracene	U	0.475	U	0.660	U	0.660	U	0.660	U	0.660
Carbazole	U	0.480	U	0.666	U	0.666	U	0.666	U	0.666
Fluoranthene	U	0.471	U	0.655	U	0.655	U	0.655	U	0.655
Pyrene	U	0.476	U	0.661	U	0.661	U	0.661	U	0.661
Benzo(a)anthracene	U	0.456	U	0.633	U	0.633	U	0.633	U	0.633
Chrysene	U	0.433	U	0.601	U	0.601	U	0.601	U	0.601
Benzo(b)fluoranthene	U	0.460	U	0.639	U	0.639	U	0.639	U	0.639
Benzo(k)fluoranthene	U	0.483	U	0.671	U	0.671	U	0.671	U	0.671
Benzo(e)pyrene	U	0.463	U	0.642	U	0.642	U	0.642	U	0.642
Benzo(a)pyrene	U	0.515	U	0.716	U	0.716	U	0.716	U	0.716
Indeno(1,2,3cd)pyrene	U	0.500	U	0.695	U	0.695	U	0.695	U	0.695
Dibenzo(a,h)anthracene	U	0.501	U	0.696	U	0.696	U	0.696	U	0.696
Benzo(g,h,i)perylene	U	0.484	U	0.672	U	0.672	U	0.672	U	0.672

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210008-05	R210008-06	R210008-07	R210008-08	R210008-09
Sample Number	34001-0088	34001-0089	34001-0090	34001-0091	34001-0092
Sampling Location	P0010co	P0005	P0006	P0003	Field Blank
Volume (L)	720	720	720	720	0

Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg
Naphthalene	U	0.571	U	0.571	U	0.571	U	0.571	U	0.411
2Methylnaphthalene	U	0.605	U	0.605	U	0.605	U	0.605	U	0.436
1Methylnaphthalene	U	0.615	U	0.615	U	0.615	U	0.615	U	0.443
Biphenyl	U	0.597	U	0.597	U	0.597	U	0.597	U	0.430
2,6Dimethylnaphthalene	U	0.613	U	0.613	U	0.613	U	0.613	U	0.441
Acenaphthylene	U	0.642	U	0.642	U	0.642	U	0.642	U	0.462
Acenaphthene	U	0.612	U	0.612	U	0.612	U	0.612	U	0.441
Dibenzofuran	U	0.608	U	0.608	U	0.608	U	0.608	U	0.438
Fluorene	U	0.607	U	0.607	U	0.607	U	0.607	U	0.437
Phenanthrene	U	0.618	U	0.618	U	0.618	U	0.618	U	0.445
Anthracene	U	0.660	U	0.660	U	0.660	U	0.660	U	0.475
Carbazole	U	0.666	U	0.666	U	0.666	U	0.666	U	0.480
Fluoranthene	U	0.655	U	0.655	U	0.655	U	0.655	U	0.471
Pyrene	U	0.661	U	0.661	U	0.661	U	0.661	U	0.476
Benzo(a)anthracene	U	0.633	U	0.633	U	0.633	U	0.633	U	0.456
Chrysene	U	0.601	U	0.601	U	0.601	U	0.601	U	0.433
Benzo(b)fluoranthene	U	0.639	U	0.639	U	0.639	U	0.639	U	0.460
Benzo(k)fluoranthene	U	0.671	U	0.671	U	0.671	U	0.671	U	0.483
Benzo(e)pyrene	U	0.642	U	0.642	U	0.642	U	0.642	U	0.463
Benzo(a)pyrene	U	0.716	U	0.716	U	0.716	U	0.716	U	0.515
Indeno(1,2,3cd)pyrene	U	0.695	U	0.695	U	0.695	U	0.695	U	0.500
Dibenzo(a,h)anthracene	U	0.696	U	0.696	U	0.696	U	0.696	U	0.501
Benzo(g,h,i)perylene	U	0.672	U	0.672	U	0.672	U	0.672	U	0.484

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210008-10		R210008-11		R210008-12		R210008-13		R210008-14	
Sample Number	34001-0093		34001-0094		34001-0095		34001-0096		34001-0097	
Sampling Location	P0004		P0011		P0002		P0010		P0005	
Volume (L)	710		710		710		706		710	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.579	U	0.579	U	0.579	U	0.582	U	0.579
2Methylnaphthalene	U	0.614	U	0.614	U	0.614	U	0.617	U	0.614
1Methylnaphthalene	U	0.624	U	0.624	U	0.624	U	0.628	U	0.624
Biphenyl	U	0.606	U	0.606	U	0.606	U	0.609	U	0.606
2,6Dimethylnaphthalene	U	0.621	U	0.621	U	0.621	U	0.625	U	0.621
Acenaphthylene	U	0.651	U	0.651	U	0.651	U	0.655	U	0.651
Acenaphthene	U	0.621	U	0.621	U	0.621	U	0.624	U	0.621
Dibenzofuran	U	0.616	U	0.616	U	0.616	U	0.620	U	0.616
Fluorene	U	0.615	U	0.615	U	0.615	U	0.619	U	0.615
Phenanthrene	U	0.626	U	0.626	U	0.626	U	0.630	U	0.626
Anthracene	U	0.669	U	0.669	U	0.669	U	0.673	U	0.669
Carbazole	U	0.676	U	0.676	U	0.676	U	0.680	U	0.676
Fluoranthene	U	0.664	U	0.664	U	0.664	U	0.668	U	0.664
Pyrene	U	0.670	U	0.670	U	0.670	U	0.674	U	0.670
Benzo(a)anthracene	U	0.642	U	0.642	U	0.642	U	0.646	U	0.642
Chrysene	U	0.610	U	0.610	U	0.610	U	0.613	U	0.610
Benzo(b)fluoranthene	U	0.648	U	0.648	U	0.648	U	0.651	U	0.648
Benzo(k)fluoranthene	U	0.681	U	0.681	U	0.681	U	0.685	U	0.681
Benzo(e)pyrene	U	0.651	U	0.651	U	0.651	U	0.655	U	0.651
Benzo(a)pyrene	U	0.726	U	0.726	U	0.726	U	0.730	U	0.726
Indeno(1,2,3cd)pyrene	U	0.705	U	0.705	U	0.705	U	0.709	U	0.705
Dibenzo(a,h)anthracene	U	0.706	U	0.706	U	0.706	U	0.710	U	0.706
Benzo(g,h,i)perylene	U	0.681	U	0.681	U	0.681	U	0.685	U	0.681

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210008-15		R210008-16		R210008-17	
Sample Number	34001-0098		34001-0099		34001-0100	
Sampling Location	P0006		P0003		Field Blank	
Volume (L)	713		713		0	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg
Naphthalene	U	0.577	0.652	0.577	U	0.411
2Methylnaphthalene	U	0.611	U	0.611	U	0.436
1Methylnaphthalene	U	0.621	U	0.621	U	0.443
Biphenyl	U	0.603	U	0.603	U	0.430
2,6Dimethylnaphthalene	U	0.619	U	0.619	U	0.441
Acenaphthylene	U	0.649	U	0.649	U	0.462
Acenaphthene	U	0.618	U	0.618	U	0.441
Dibenzofuran	U	0.614	U	0.614	U	0.438
Fluorene	U	0.613	U	0.613	U	0.437
Phenanthrene	U	0.624	U	0.624	U	0.445
Anthracene	U	0.666	U	0.666	U	0.475
Carbazole	U	0.673	U	0.673	U	0.480
Fluoranthene	U	0.661	U	0.661	U	0.471
Pyrene	U	0.667	U	0.667	U	0.476
Benzo(a)anthracene	U	0.639	U	0.639	U	0.456
Chrysene	U	0.607	U	0.607	U	0.433
Benzo(b)fluoranthene	U	0.645	U	0.645	U	0.460
Benzo(k)fluoranthene	U	0.678	U	0.678	U	0.483
Benzo(e)pyrene	U	0.649	U	0.649	U	0.463
Benzo(a)pyrene	U	0.723	U	0.723	U	0.515
Indeno(1,2,3cd)pyrene	U	0.702	U	0.702	U	0.500
Dibenzo(a,h)anthracene	U	0.703	U	0.703	U	0.501
Benzo(g,h,i)perylene	U	0.678	U	0.678	U	0.484

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number		R210010-01		R210010-02		R210010-03		R210010-04	
Sample Number	Lot Blank #8	34001-0101		34001-0102		34001-0103		34001-0104	
Sampling Location	Lot 5700	P0004		P0011		P0002		P0010	
Volume (L)	0	417		707		701		707	
Analyte	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.411	U	0.986	U	0.582	U	0.587	U	0.582
2Methylnaphthalene	U	0.436	U	1.045	U	0.616	U	0.622	U	0.616
1Methylnaphthalene	U	0.443	U	1.062	U	0.627	U	0.632	U	0.627
Biphenyl	U	0.430	U	1.031	U	0.608	U	0.613	U	0.608
2,6Dimethylnaphthalene	U	0.441	U	1.058	U	0.624	U	0.629	U	0.624
Acenaphthylene	U	0.462	U	1.109	U	0.654	U	0.660	U	0.654
Acenaphthene	U	0.441	U	1.057	U	0.623	U	0.629	U	0.623
Dibenzofuran	U	0.438	U	1.049	U	0.619	U	0.624	U	0.619
Fluorene	U	0.437	U	1.048	U	0.618	U	0.623	U	0.618
Phenanthrene	U	0.445	U	1.066	U	0.629	U	0.634	U	0.629
Anthracene	U	0.475	U	1.139	U	0.672	U	0.678	U	0.672
Carbazole	U	0.480	U	1.151	U	0.679	U	0.684	U	0.679
Fluoranthene	U	0.471	U	1.131	U	0.667	U	0.673	U	0.667
Pyrene	U	0.476	U	1.141	U	0.673	U	0.679	U	0.673
Benzo(a)anthracene	U	0.456	U	1.093	U	0.645	U	0.650	U	0.645
Chrysene	U	0.433	U	1.038	U	0.612	U	0.618	U	0.612
Benzo(b)fluoranthene	U	0.460	U	1.103	U	0.650	U	0.656	U	0.650
Benzo(k)fluoranthene	U	0.483	U	1.159	U	0.684	U	0.689	U	0.684
Benzo(e)pyrene	U	0.463	U	1.109	U	0.654	U	0.660	U	0.654
Benzo(a)pyrene	U	0.515	U	1.236	U	0.729	U	0.735	U	0.729
Indeno(1,2,3cd)pyrene	U	0.500	U	1.200	U	0.708	U	0.714	U	0.708
Dibenzo(a,h)anthracene	U	0.501	U	1.202	U	0.709	U	0.715	U	0.709
Benzo(g,h,i)perylene	U	0.484	U	1.160	U	0.684	U	0.690	U	0.684

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210010-05		R210010-06		R210010-07		R210010-08		R210010-09	
Sample Number	34001-0105		34001-0106		34001-0107		34001-0108		34001-0109	
Sampling Location	P0005		P0006		P0003		Field Blank		P0004	
Volume (L)	704		700		708		0		703	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg	Result µg / m³	RL µg / m³
Naphthalene	U	0.584	U	0.587	U	0.581	U	0.411	U	0.585
2Methylnaphthalene	U	0.619	U	0.623	U	0.616	U	0.436	U	0.620
1Methylnaphthalene	U	0.629	U	0.633	U	0.626	U	0.443	U	0.630
Biphenyl	U	0.611	U	0.614	U	0.607	U	0.430	U	0.612
2,6Dimethylnaphthalene	U	0.627	U	0.630	U	0.623	U	0.441	U	0.628
Acenaphthylene	U	0.657	U	0.661	U	0.653	U	0.462	U	0.658
Acenaphthene	U	0.626	U	0.630	U	0.623	U	0.441	U	0.627
Dibenzofuran	U	0.622	U	0.625	U	0.618	U	0.438	U	0.623
Fluorene	U	0.621	U	0.624	U	0.617	U	0.437	U	0.622
Phenanthrene	U	0.632	U	0.635	U	0.628	U	0.445	U	0.633
Anthracene	U	0.675	U	0.679	U	0.671	U	0.475	U	0.676
Carbazole	U	0.682	U	0.685	U	0.678	U	0.480	U	0.683
Fluoranthene	U	0.670	U	0.674	U	0.666	U	0.471	U	0.671
Pyrene	U	0.676	U	0.680	U	0.672	U	0.476	U	0.677
Benzo(a)anthracene	U	0.647	U	0.651	U	0.644	U	0.456	U	0.648
Chrysene	U	0.615	U	0.618	U	0.611	U	0.433	U	0.616
Benzo(b)fluoranthene	U	0.653	U	0.657	U	0.649	U	0.460	U	0.654
Benzo(k)fluoranthene	U	0.687	U	0.690	U	0.683	U	0.483	U	0.688
Benzo(e)pyrene	U	0.657	U	0.661	U	0.653	U	0.463	U	0.658
Benzo(a)pyrene	U	0.732	U	0.736	U	0.728	U	0.515	U	0.733
Indeno(1,2,3cd)pyrene	U	0.711	U	0.715	U	0.707	U	0.500	U	0.712
Dibenzo(a,h)anthracene	U	0.712	U	0.716	U	0.708	U	0.501	U	0.713
Benzo(g,h,i)perylene	U	0.687	U	0.691	U	0.683	U	0.484	U	0.688

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210010-10		R210010-11		R210010-12		R210010-13		R210010-14	
Sample Number	34001-0110		34001-0111		34001-0112		34001-0113		34001-0114	
Sampling Location	P0011		P0002		P0010		P0005		P0006	
Volume (L)	720		720		720		720		713	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.571	U	0.571	U	0.571	U	0.571	U	0.577
2Methylnaphthalene	U	0.605	U	0.605	U	0.605	U	0.605	U	0.611
1Methylnaphthalene	U	0.615	U	0.615	U	0.615	U	0.615	U	0.621
Biphenyl	U	0.597	U	0.597	U	0.597	U	0.597	U	0.603
2,6Dimethylnaphthalene	U	0.613	U	0.613	U	0.613	U	0.613	U	0.619
Acenaphthylene	U	0.642	U	0.642	U	0.642	U	0.642	U	0.649
Acenaphthene	U	0.612	U	0.612	U	0.612	U	0.612	U	0.618
Dibenzofuran	U	0.608	U	0.608	U	0.608	U	0.608	U	0.614
Fluorene	U	0.607	U	0.607	U	0.607	U	0.607	U	0.613
Phenanthrene	U	0.618	U	0.618	U	0.618	U	0.618	U	0.624
Anthracene	U	0.660	U	0.660	U	0.660	U	0.660	U	0.666
Carbazole	U	0.666	U	0.666	U	0.666	U	0.666	U	0.673
Fluoranthene	U	0.655	U	0.655	U	0.655	U	0.655	U	0.661
Pyrene	U	0.661	U	0.661	U	0.661	U	0.661	U	0.667
Benzo(a)anthracene	U	0.633	U	0.633	U	0.633	U	0.633	U	0.639
Chrysene	U	0.601	U	0.601	U	0.601	U	0.601	U	0.607
Benzo(b)fluoranthene	U	0.639	U	0.639	U	0.639	U	0.639	U	0.645
Benzo(k)fluoranthene	U	0.671	U	0.671	U	0.671	U	0.671	U	0.678
Benzo(e)pyrene	U	0.642	U	0.642	U	0.642	U	0.642	U	0.649
Benzo(a)pyrene	U	0.716	U	0.716	U	0.716	U	0.716	U	0.723
Indeno(1,2,3cd)pyrene	U	0.695	U	0.695	U	0.695	U	0.695	U	0.702
Dibenzo(a,h)anthracene	U	0.696	U	0.696	U	0.696	U	0.696	U	0.703
Benzo(g,h,i)perylene	U	0.672	U	0.672	U	0.672	U	0.672	U	0.678

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210010-15		R210010-16		R210010-17		R210010-18	
Sample Number	34001-0115		34001-0116		34001-0117		34001-0118	
Sampling Location	P00003		Field Blank		P0004		P0011	
Volume (L)	713		0		688		680	
Analyte	Result µg / m³	RL µg / m³	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.577	U	0.411	U	0.598	U	0.605
2Methylnaphthalene	U	0.611	U	0.436	U	0.633	U	0.641
1Methylnaphthalene	U	0.621	U	0.443	U	0.644	U	0.652
Biphenyl	U	0.603	U	0.430	U	0.625	U	0.632
2,6Dimethylnaphthalene	U	0.619	U	0.441	U	0.641	U	0.649
Acenaphthylene	U	0.649	U	0.462	U	0.672	U	0.680
Acenaphthene	U	0.618	U	0.441	U	0.641	U	0.648
Dibenzofuran	U	0.614	U	0.438	U	0.636	U	0.644
Fluorene	U	0.613	U	0.437	U	0.635	U	0.643
Phenanthrene	U	0.624	U	0.445	U	0.646	U	0.654
Anthracene	U	0.666	U	0.475	U	0.691	U	0.699
Carbazole	U	0.673	U	0.480	U	0.697	U	0.706
Fluoranthene	U	0.661	U	0.471	U	0.685	U	0.693
Pyrene	U	0.667	U	0.476	U	0.691	U	0.700
Benzo(a)anthracene	U	0.639	U	0.456	U	0.662	U	0.670
Chrysene	U	0.607	U	0.433	U	0.629	U	0.637
Benzo(b)fluoranthene	U	0.645	U	0.460	U	0.668	U	0.676
Benzo(k)fluoranthene	U	0.678	U	0.483	U	0.703	U	0.711
Benzo(e)pyrene	U	0.649	U	0.463	U	0.672	U	0.680
Benzo(a)pyrene	U	0.723	U	0.515	U	0.749	U	0.758
Indeno(1,2,3cd)pyrene	U	0.702	U	0.500	U	0.727	U	0.736
Dibenzo(a,h)anthracene	U	0.703	U	0.501	U	0.729	U	0.737
Benzo(g,h,i)perylene	U	0.678	U	0.484	U	0.703	U	0.711

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210010-19			R210010-20		R210010-221		R210010-222	
Sample Number	34001-0119		Lot Blank #9	34001-0120		34001-0121		34001-0122	
Sampling Location	P0002		Lot 5700	P0010		P0005		P0006	
Volume (L)	685		0	684		704		705	
Analyte	Result µg / m³	RL µg / m³	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.600	U	0.411	U	0.601	U	0.584	U	0.583
2Methylnaphthalene	U	0.636	U	0.436	U	0.637	U	0.619	U	0.618
1Methylnaphthalene	U	0.647	U	0.443	U	0.648	U	0.629	U	0.628
Biphenyl	U	0.628	U	0.430	U	0.629	U	0.611	U	0.610
2,6Dimethylnaphthalene	U	0.644	U	0.441	U	0.645	U	0.627	U	0.626
Acenaphthylene	U	0.675	U	0.462	U	0.676	U	0.657	U	0.656
Acenaphthene	U	0.643	U	0.441	U	0.644	U	0.626	U	0.625
Dibenzofuran	U	0.639	U	0.438	U	0.640	U	0.622	U	0.621
Fluorene	U	0.638	U	0.437	U	0.639	U	0.621	U	0.620
Phenanthrene	U	0.649	U	0.445	U	0.650	U	0.632	U	0.631
Anthracene	U	0.694	U	0.475	U	0.695	U	0.675	U	0.674
Carbazole	U	0.700	U	0.480	U	0.701	U	0.682	U	0.681
Fluoranthene	U	0.688	U	0.471	U	0.689	U	0.670	U	0.669
Pyrene	U	0.694	U	0.476	U	0.695	U	0.676	U	0.675
Benzo(a)anthracene	U	0.665	U	0.456	U	0.666	U	0.647	U	0.646
Chrysene	U	0.632	U	0.433	U	0.633	U	0.615	U	0.614
Benzo(b)fluoranthene	U	0.671	U	0.460	U	0.672	U	0.653	U	0.652
Benzo(k)fluoranthene	U	0.706	U	0.483	U	0.707	U	0.687	U	0.686
Benzo(e)pyrene	U	0.675	U	0.463	U	0.676	U	0.657	U	0.656
Benzo(a)pyrene	U	0.753	U	0.515	U	0.754	U	0.732	U	0.731
Indeno(1,2,3cd)pyrene	U	0.730	U	0.500	U	0.731	U	0.711	U	0.710
Dibenzo(a,h)anthracene	U	0.732	U	0.501	U	0.733	U	0.712	U	0.711
Benzo(g,h,i)perylene	U	0.706	U	0.484	U	0.707	U	0.687	U	0.686

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210010-23		R210010-24		R210010-25		R210010-26		R210010-27	
Sample Number	34001-0123		34001-0124		34001-0125		34001-0126		34001-0127	
Sampling Location	P0003		Field Blank		P0004		P0011		P0002	
Volume (L)	704		0		720		720		720	
Analyte	Result µg / m³	RL µg / m³	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.584	U	0.411	U	0.571	U	0.571	U	0.571
2Methylnaphthalene	U	0.619	U	0.436	U	0.605	U	0.605	U	0.605
1Methylnaphthalene	U	0.629	U	0.443	U	0.615	U	0.615	U	0.615
Biphenyl	U	0.611	U	0.430	U	0.597	U	0.597	U	0.597
2,6Dimethylnaphthalene	U	0.627	U	0.441	U	0.613	U	0.613	U	0.613
Acenaphthylene	U	0.657	U	0.462	U	0.642	U	0.642	U	0.642
Acenaphthene	U	0.626	U	0.441	U	0.612	U	0.612	U	0.612
Dibenzofuran	U	0.622	U	0.438	U	0.608	U	0.608	U	0.608
Fluorene	U	0.621	U	0.437	U	0.607	U	0.607	U	0.607
Phenanthrene	U	0.632	U	0.445	U	0.618	U	0.618	U	0.618
Anthracene	U	0.675	U	0.475	U	0.660	U	0.660	U	0.660
Carbazole	U	0.682	U	0.480	U	0.666	U	0.666	U	0.666
Fluoranthene	U	0.670	U	0.471	U	0.655	U	0.655	U	0.655
Pyrene	U	0.676	U	0.476	U	0.661	U	0.661	U	0.661
Benzo(a)anthracene	U	0.647	U	0.456	U	0.633	U	0.633	U	0.633
Chrysene	U	0.615	U	0.433	U	0.601	U	0.601	U	0.601
Benzo(b)fluoranthene	U	0.653	U	0.460	U	0.639	U	0.639	U	0.639
Benzo(k)fluoranthene	U	0.687	U	0.483	U	0.671	U	0.671	U	0.671
Benzo(e)pyrene	U	0.657	U	0.463	U	0.642	U	0.642	U	0.642
Benzo(a)pyrene	U	0.732	U	0.515	U	0.716	U	0.716	U	0.716
Indeno(1,2,3cd)pyrene	U	0.711	U	0.500	U	0.695	U	0.695	U	0.695
Dibenzo(a,h)anthracene	U	0.712	U	0.501	U	0.696	U	0.696	U	0.696
Benzo(g,h,i)perylene	U	0.687	U	0.484	U	0.672	U	0.672	U	0.672

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210010-28		R210010-29		R210010-30		R210010-31		R210010-32	
Sample Number	34001-0128		34001-0129		34001-0130		34001-0131		34001-0132	
Sampling Location	P0010		P0010co		P0005		P0006		P0003	
Volume (L)	710		710		710		710		715	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.579	U	0.579	U	0.579	U	0.579	U	0.575
2Methylnaphthalene	U	0.614	U	0.614	U	0.614	U	0.614	U	0.610
1Methylnaphthalene	U	0.624	U	0.624	U	0.624	U	0.624	U	0.620
Biphenyl	U	0.606	U	0.606	U	0.606	U	0.606	U	0.601
2,6Dimethylnaphthalene	U	0.621	U	0.621	U	0.621	U	0.621	U	0.617
Acenaphthylene	U	0.651	U	0.651	U	0.651	U	0.651	U	0.647
Acenaphthene	U	0.621	U	0.621	U	0.621	U	0.621	U	0.616
Dibenzofuran	U	0.616	U	0.616	U	0.616	U	0.616	U	0.612
Fluorene	U	0.615	U	0.615	U	0.615	U	0.615	U	0.611
Phenanthrene	U	0.626	U	0.626	U	0.626	U	0.626	U	0.622
Anthracene	U	0.669	U	0.669	U	0.669	U	0.669	U	0.664
Carbazole	U	0.676	U	0.676	U	0.676	U	0.676	U	0.671
Fluoranthene	U	0.664	U	0.664	U	0.664	U	0.664	U	0.659
Pyrene	U	0.670	U	0.670	U	0.670	U	0.670	U	0.665
Benzo(a)anthracene	U	0.642	U	0.642	U	0.642	U	0.642	U	0.637
Chrysene	U	0.610	U	0.610	U	0.610	U	0.610	U	0.605
Benzo(b)fluoranthene	U	0.648	U	0.648	U	0.648	U	0.648	U	0.643
Benzo(k)fluoranthene	U	0.681	U	0.681	U	0.681	U	0.681	U	0.676
Benzo(e)pyrene	U	0.651	U	0.651	U	0.651	U	0.651	U	0.647
Benzo(a)pyrene	U	0.726	U	0.726	U	0.726	U	0.726	U	0.721
Indeno(1,2,3cd)pyrene	U	0.705	U	0.705	U	0.705	U	0.705	U	0.700
Dibenzo(a,h)anthracene	U	0.706	U	0.706	U	0.706	U	0.706	U	0.701
Benzo(g,h,i)perylene	U	0.681	U	0.681	U	0.681	U	0.681	U	0.676

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210010-33		R210010-34		R210010-35		R210010-36		R210010-37	
Sample Number	34001-0133		34001-0134		34001-0135		34001-0136		34001-0137	
Sampling Location	Field Blank		P0004		P0011		P0002		P0010	
Volume (L)	0		706		701		704		693	
Analyte	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.411	U	0.582	U	0.587	U	0.584	U	0.593
2Methylnaphthalene	U	0.436	U	0.617	U	0.622	U	0.619	U	0.629
1Methylnaphthalene	U	0.443	U	0.628	U	0.632	U	0.629	U	0.639
Biphenyl	U	0.430	U	0.609	U	0.613	U	0.611	U	0.620
2,6Dimethylnaphthalene	U	0.441	U	0.625	U	0.629	U	0.627	U	0.637
Acenaphthylene	U	0.462	U	0.655	U	0.660	U	0.657	U	0.667
Acenaphthene	U	0.441	U	0.624	U	0.629	U	0.626	U	0.636
Dibenzofuran	U	0.438	U	0.620	U	0.624	U	0.622	U	0.631
Fluorene	U	0.437	U	0.619	U	0.623	U	0.621	U	0.631
Phenanthrene	U	0.445	U	0.630	U	0.634	U	0.632	U	0.642
Anthracene	U	0.475	U	0.673	U	0.678	U	0.675	U	0.686
Carbazole	U	0.480	U	0.680	U	0.684	U	0.682	U	0.692
Fluoranthene	U	0.471	U	0.668	U	0.673	U	0.670	U	0.680
Pyrene	U	0.476	U	0.674	U	0.679	U	0.676	U	0.686
Benzo(a)anthracene	U	0.456	U	0.646	U	0.650	U	0.647	U	0.658
Chrysene	U	0.433	U	0.613	U	0.618	U	0.615	U	0.625
Benzo(b)fluoranthene	U	0.460	U	0.651	U	0.656	U	0.653	U	0.664
Benzo(k)fluoranthene	U	0.483	U	0.685	U	0.689	U	0.687	U	0.697
Benzo(e)pyrene	U	0.463	U	0.655	U	0.660	U	0.657	U	0.667
Benzo(a)pyrene	U	0.515	U	0.730	U	0.735	U	0.732	U	0.744
Indeno(1,2,3cd)pyrene	U	0.500	U	0.709	U	0.714	U	0.711	U	0.722
Dibenzo(a,h)anthracene	U	0.501	U	0.710	U	0.715	U	0.712	U	0.723
Benzo(g,h,i)perylene	U	0.484	U	0.685	U	0.690	U	0.687	U	0.698

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210010-38		R210010-39		R210010-40	
Sample Number	34001-0138		34001-0139		34001-0140	
Sampling Location	P0005		P0006		P0003	
Volume (L)	690		688		690	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.596	U	0.598	U	0.596
2Methylnaphthalene	U	0.632	U	0.633	U	0.632
1Methylnaphthalene	U	0.642	U	0.644	U	0.642
Biphenyl	U	0.623	U	0.625	U	0.623
2,6Dimethylnaphthalene	U	0.639	U	0.641	U	0.639
Acenaphthylene	U	0.670	U	0.672	U	0.670
Acenaphthene	U	0.639	U	0.641	U	0.639
Dibenzofuran	U	0.634	U	0.636	U	0.634
Fluorene	U	0.633	U	0.635	U	0.633
Phenanthrene	U	0.644	U	0.646	U	0.644
Anthracene	U	0.689	U	0.691	U	0.689
Carbazole	U	0.695	U	0.697	U	0.695
Fluoranthene	U	0.683	U	0.685	U	0.683
Pyrene	U	0.689	U	0.691	U	0.689
Benzo(a)anthracene	U	0.661	U	0.662	U	0.661
Chrysene	U	0.627	U	0.629	U	0.627
Benzo(b)fluoranthene	U	0.666	U	0.668	U	0.666
Benzo(k)fluoranthene	U	0.700	U	0.703	U	0.700
Benzo(e)pyrene	U	0.670	U	0.672	U	0.670
Benzo(a)pyrene	U	0.747	U	0.749	U	0.747
Indeno(1,2,3cd)pyrene	U	0.725	U	0.727	U	0.725
Dibenzo(a,h)anthracene	U	0.727	U	0.729	U	0.727
Benzo(g,h,I)perylene	U	0.701	U	0.703	U	0.701

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number			R210010-41		R210010-42		R210010-43		R210010-44	
Sample Number	Lot Blank #10		34001-0141		34001-0142		34001-0143		34001-0144	
Sampling Location	Lot 5700		Field Blank		P0004		P0011		P0002	
Volume (L)	0		0		720		720		720	
Analyte	Result total µg	RL total µg	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.411	U	0.411	U	0.571	U	0.571	U	0.571
2Methylnaphthalene	U	0.436	U	0.436	U	0.605	U	0.605	U	0.605
1Methylnaphthalene	U	0.443	U	0.443	U	0.615	U	0.615	U	0.615
Biphenyl	U	0.430	U	0.430	U	0.597	U	0.597	U	0.597
2,6Dimethylnaphthalene	U	0.441	U	0.441	U	0.613	U	0.613	U	0.613
Acenaphthylene	U	0.462	U	0.462	U	0.642	U	0.642	U	0.642
Acenaphthene	U	0.441	U	0.441	U	0.612	U	0.612	U	0.612
Dibenzofuran	U	0.438	U	0.438	U	0.608	U	0.608	U	0.608
Fluorene	U	0.437	U	0.437	U	0.607	U	0.607	U	0.607
Phenanthrene	U	0.445	U	0.445	U	0.618	U	0.618	U	0.618
Anthracene	U	0.475	U	0.475	U	0.660	U	0.660	U	0.660
Carbazole	U	0.480	U	0.480	U	0.666	U	0.666	U	0.666
Fluoranthene	U	0.471	U	0.471	U	0.655	U	0.655	U	0.655
Pyrene	U	0.476	U	0.476	U	0.661	U	0.661	U	0.661
Benzo(a)anthracene	U	0.456	U	0.456	U	0.633	U	0.633	U	0.633
Chrysene	U	0.433	U	0.433	U	0.601	U	0.601	U	0.601
Benzo(b)fluoranthene	U	0.460	U	0.460	U	0.639	U	0.639	U	0.639
Benzo(k)fluoranthene	U	0.483	U	0.483	U	0.671	U	0.671	U	0.671
Benzo(e)pyrene	U	0.463	U	0.463	U	0.642	U	0.642	U	0.642
Benzo(a)pyrene	U	0.515	U	0.515	U	0.716	U	0.716	U	0.716
Indeno(1,2,3cd)pyrene	U	0.500	U	0.500	U	0.695	U	0.695	U	0.695
Dibenzo(a,h)anthracene	U	0.501	U	0.501	U	0.696	U	0.696	U	0.696
Benzo(g,h,I)perylene	U	0.484	U	0.484	U	0.672	U	0.672	U	0.672

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210010-45		R210010-46		R210010-47		R210010-48		R210010-49	
Sample Number	34001-0145		34001-0146		34001-0147		34001-0148		34001-0149	
Sampling Location	P0010		P0005		P0006		P0003		Field Blank	
Volume (L)	720		720		720		720		0	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg
Naphthalene	U	0.571	U	0.571	U	0.571	0.811	0.571	U	0.411
2Methylnaphthalene	U	0.605	U	0.605	U	0.605	U	0.605	U	0.436
1Methylnaphthalene	U	0.615	U	0.615	U	0.615	U	0.615	U	0.443
Biphenyl	U	0.597	U	0.597	U	0.597	0.734	0.597	U	0.430
2,6Dimethylnaphthalene	U	0.613	U	0.613	U	0.613	U	0.613	U	0.441
Acenaphthylene	U	0.642	U	0.642	U	0.642	U	0.642	U	0.462
Acenaphthene	U	0.612	U	0.612	U	0.612	U	0.612	U	0.441
Dibenzofuran	U	0.608	U	0.608	U	0.608	U	0.608	U	0.438
Fluorene	U	0.607	U	0.607	U	0.607	U	0.607	U	0.437
Phenanthrene	U	0.618	U	0.618	U	0.618	U	0.618	U	0.445
Anthracene	U	0.660	U	0.660	U	0.660	U	0.660	U	0.475
Carbazole	U	0.666	U	0.666	U	0.666	U	0.666	U	0.480
Fluoranthene	U	0.655	U	0.655	U	0.655	U	0.655	U	0.471
Pyrene	U	0.661	U	0.661	U	0.661	U	0.661	U	0.476
Benzo(a)anthracene	U	0.633	U	0.633	U	0.633	U	0.633	U	0.456
Chrysene	U	0.601	U	0.601	U	0.601	U	0.601	U	0.433
Benzo(b)fluoranthene	U	0.639	U	0.639	U	0.639	U	0.639	U	0.460
Benzo(k)fluoranthene	U	0.671	U	0.671	U	0.671	U	0.671	U	0.483
Benzo(e)pyrene	U	0.642	U	0.642	U	0.642	U	0.642	U	0.463
Benzo(a)pyrene	U	0.716	U	0.716	U	0.716	U	0.716	U	0.515
Indeno(1,2,3cd)pyrene	U	0.695	U	0.695	U	0.695	U	0.695	U	0.500
Dibenzo(a,h)anthracene	U	0.696	U	0.696	U	0.696	U	0.696	U	0.501
Benzo(g,h,i)perylene	U	0.672	U	0.672	U	0.672	U	0.672	U	0.484

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210012-01		R210012-02		R210012-03		R210012-04		R210012-05	
Sample Number	34001-0151		34001-0152		34001-0153		34001-0154		34001-0155	
Sampling Location	P0011		P0002		P0010		P0005		P0006	
Volume (L)	694		685		670		672		684	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.592	U	0.600	U	0.614	U	0.612	U	0.601
2Methylnaphthalene	U	0.628	U	0.636	U	0.651	U	0.649	U	0.637
1Methylnaphthalene	U	0.638	U	0.647	U	0.661	U	0.659	U	0.648
Biphenyl	U	0.620	U	0.628	U	0.642	U	0.640	U	0.629
2,6Dimethylnaphthalene	U	0.636	U	0.644	U	0.658	U	0.656	U	0.645
Acenaphthylene	U	0.666	U	0.675	U	0.690	U	0.688	U	0.676
Acenaphthene	U	0.635	U	0.643	U	0.658	U	0.656	U	0.644
Dibenzofuran	U	0.631	U	0.639	U	0.653	U	0.651	U	0.640
Fluorene	U	0.630	U	0.638	U	0.652	U	0.650	U	0.639
Phenanthrene	U	0.641	U	0.649	U	0.664	U	0.662	U	0.650
Anthracene	U	0.685	U	0.694	U	0.709	U	0.707	U	0.695
Carbazole	U	0.691	U	0.700	U	0.716	U	0.714	U	0.701
Fluoranthene	U	0.679	U	0.688	U	0.704	U	0.702	U	0.689
Pyrene	U	0.685	U	0.694	U	0.710	U	0.708	U	0.695
Benzo(a)anthracene	U	0.657	U	0.665	U	0.680	U	0.678	U	0.666
Chrysene	U	0.624	U	0.632	U	0.646	U	0.644	U	0.633
Benzo(b)fluoranthene	U	0.663	U	0.671	U	0.686	U	0.684	U	0.672
Benzo(k)fluoranthene	U	0.696	U	0.706	U	0.721	U	0.719	U	0.707
Benzo(e)pyrene	U	0.666	U	0.675	U	0.690	U	0.688	U	0.676
Benzo(a)pyrene	U	0.743	U	0.753	U	0.769	U	0.767	U	0.754
Indeno(1,2,3cd)pyrene	U	0.721	U	0.730	U	0.747	U	0.744	U	0.731
Dibenzo(a,h)anthracene	U	0.722	U	0.732	U	0.748	U	0.746	U	0.733
Benzo(g,h,i)perylene	U	0.697	U	0.706	U	0.722	U	0.720	U	0.707

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210012-06		R210012-07		R210012-08		R210012-09		R210012-10	
Sample Number	34001-0156		34001-0157		34001-0158		34001-0159		34001-0160	
Sampling Location	P0003		Field Blank		P0004		P0011		P0002	
Volume (L)	685		0		720		712		710	
Analyte	Result µg / m³	RL µg / m³	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.600	U	0.411	U	0.571	U	0.578	U	0.579
2Methylnaphthalene	U	0.636	U	0.436	U	0.605	U	0.612	U	0.614
1Methylnaphthalene	U	0.647	U	0.443	U	0.615	U	0.622	U	0.624
Biphenyl	U	0.628	U	0.430	U	0.597	U	0.604	U	0.606
2,6Dimethylnaphthalene	U	0.644	U	0.441	U	0.613	U	0.620	U	0.621
Acenaphthylene	U	0.675	U	0.462	U	0.642	U	0.649	U	0.651
Acenaphthene	U	0.643	U	0.441	U	0.612	U	0.619	U	0.621
Dibenzofuran	U	0.639	U	0.438	U	0.608	U	0.615	U	0.616
Fluorene	U	0.638	U	0.437	U	0.607	U	0.614	U	0.615
Phenanthrene	U	0.649	U	0.445	U	0.618	U	0.625	U	0.626
Anthracene	U	0.694	U	0.475	U	0.660	U	0.667	U	0.669
Carbazole	U	0.700	U	0.480	U	0.666	U	0.674	U	0.676
Fluoranthene	U	0.688	U	0.471	U	0.655	U	0.662	U	0.664
Pyrene	U	0.694	U	0.476	U	0.661	U	0.668	U	0.670
Benzo(a)anthracene	U	0.665	U	0.456	U	0.633	U	0.640	U	0.642
Chrysene	U	0.632	U	0.433	U	0.601	U	0.608	U	0.610
Benzo(b)fluoranthene	U	0.671	U	0.460	U	0.639	U	0.646	U	0.648
Benzo(k)fluoranthene	U	0.706	U	0.483	U	0.671	U	0.679	U	0.681
Benzo(e)pyrene	U	0.675	U	0.463	U	0.642	U	0.650	U	0.651
Benzo(a)pyrene	U	0.753	U	0.515	U	0.716	U	0.724	U	0.726
Indeno(1,2,3cd)pyrene	U	0.730	U	0.500	U	0.695	U	0.703	U	0.705
Dibenzo(a,h)anthracene	U	0.732	U	0.501	U	0.696	U	0.704	U	0.706
Benzo(g,h,i)perylene	U	0.706	U	0.484	U	0.672	U	0.679	U	0.681

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number		R210012-11		R210012-12		R210012-13		R210012-14	
Sample Number	Lot Blank #11	34001-0161		34001-0162		34001-0163		34001-0164	
Sampling Location	Lot 5700	P0010		P0010co		P0005		P0006	
Volume (L)	0	705		705		700		700	
Analyte	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.411	U	0.583	U	0.583	U	0.587	U	0.587
2Methylnaphthalene	U	0.436	U	0.618	U	0.618	U	0.623	U	0.623
1Methylnaphthalene	U	0.443	U	0.628	U	0.628	U	0.633	U	0.633
Biphenyl	U	0.430	U	0.610	U	0.610	U	0.614	U	0.614
2,6Dimethylnaphthalene	U	0.441	U	0.626	U	0.626	U	0.630	U	0.630
Acenaphthylene	U	0.462	U	0.656	U	0.656	U	0.661	U	0.661
Acenaphthene	U	0.441	U	0.625	U	0.625	U	0.630	U	0.630
Dibenzofuran	U	0.438	U	0.621	U	0.621	U	0.625	U	0.625
Fluorene	U	0.437	U	0.620	U	0.620	U	0.624	U	0.624
Phenanthrene	U	0.445	U	0.631	U	0.631	U	0.635	U	0.635
Anthracene	U	0.475	U	0.674	U	0.674	U	0.679	U	0.679
Carbazole	U	0.480	U	0.681	U	0.681	U	0.685	U	0.685
Fluoranthene	U	0.471	U	0.669	U	0.669	U	0.674	U	0.674
Pyrene	U	0.476	U	0.675	U	0.675	U	0.680	U	0.680
Benzo(a)anthracene	U	0.456	U	0.646	U	0.646	U	0.651	U	0.651
Chrysene	U	0.433	U	0.614	U	0.614	U	0.618	U	0.618
Benzo(b)fluoranthene	U	0.460	U	0.652	U	0.652	U	0.657	U	0.657
Benzo(k)fluoranthene	U	0.483	U	0.686	U	0.686	U	0.690	U	0.690
Benzo(e)pyrene	U	0.463	U	0.656	U	0.656	U	0.661	U	0.661
Benzo(a)pyrene	U	0.515	U	0.731	U	0.731	U	0.736	U	0.736
Indeno(1,2,3cd)pyrene	U	0.500	U	0.710	U	0.710	U	0.715	U	0.715
Dibenzo(a,h)anthracene	U	0.501	U	0.711	U	0.711	U	0.716	U	0.716
Benzo(g,h,i)perylene	U	0.484	U	0.686	U	0.686	U	0.691	U	0.691

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210012-15		R210012-16		R210014-01		R210014-02		R210014-03	
Sample Number	34001-0165		34001-0166		34001-0167		34001-0168		34001-0169	
Sampling Location	P0003		Field Blank		P0004		P0011		P0002	
Volume (L)	701		0		643		631		718	
Analyte	Result µg / m³	RL µg / m³	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	0.801	0.587	U	0.411	U	0.639	U	0.652	U	0.573
2Methylnaphthalene	U	0.622	U	0.436	U	0.678	U	0.691	U	0.607
1Methylnaphthalene	U	0.632	U	0.443	U	0.689	U	0.702	U	0.617
Biphenyl	0.629	0.613	U	0.430	U	0.669	U	0.681	U	0.599
2,6Dimethylnaphthalene	U	0.629	U	0.441	U	0.686	U	0.699	U	0.614
Acenaphthylene	U	0.660	U	0.462	U	0.719	U	0.733	U	0.644
Acenaphthene	U	0.629	U	0.441	U	0.685	U	0.699	U	0.614
Dibenzofuran	U	0.624	U	0.438	U	0.681	U	0.694	U	0.610
Fluorene	U	0.623	U	0.437	U	0.680	U	0.692	U	0.609
Phenanthrene	U	0.634	U	0.445	U	0.692	U	0.705	U	0.619
Anthracene	U	0.678	U	0.475	U	0.739	U	0.753	U	0.662
Carbazole	U	0.684	U	0.480	U	0.746	U	0.760	U	0.668
Fluoranthene	U	0.673	U	0.471	U	0.733	U	0.747	U	0.657
Pyrene	U	0.679	U	0.476	U	0.740	U	0.754	U	0.663
Benzo(a)anthracene	U	0.650	U	0.456	U	0.709	U	0.722	U	0.635
Chrysene	U	0.618	U	0.433	U	0.673	U	0.686	U	0.603
Benzo(b)fluoranthene	U	0.656	U	0.460	U	0.715	U	0.729	U	0.640
Benzo(k)fluoranthene	U	0.689	U	0.483	U	0.752	U	0.766	U	0.673
Benzo(e)pyrene	U	0.660	U	0.463	U	0.719	U	0.733	U	0.644
Benzo(a)pyrene	U	0.735	U	0.515	U	0.802	U	0.817	U	0.718
Indeno(1,2,3cd)pyrene	U	0.714	U	0.500	U	0.778	U	0.793	U	0.697
Dibenzo(a,h)anthracene	U	0.715	U	0.501	U	0.780	U	0.795	U	0.698
Benzo(g,h,i)perylene	U	0.690	U	0.484	U	0.752	U	0.766	U	0.674

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210014-04		R210014-05		R210014-06		R210014-07		R210014-08	
Sample Number	34001-0170		34001-0171		34001-0172		34001-0173		34001-0174	
Sampling Location	P0010		P0005		P0006		P0003		Field Blank	
Volume (L)	714		710		674		702		0	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg
Naphthalene	U	0.576	U	0.579	U	0.610	U	0.586	U	0.411
2Methylnaphthalene	U	0.610	U	0.614	U	0.647	U	0.621	U	0.436
1Methylnaphthalene	U	0.621	U	0.624	U	0.657	U	0.631	U	0.443
Biphenyl	U	0.602	U	0.606	U	0.638	U	0.613	U	0.430
2,6Dimethylnaphthalene	U	0.618	U	0.621	U	0.655	U	0.628	U	0.441
Acenaphthylene	U	0.648	U	0.651	U	0.686	U	0.659	U	0.462
Acenaphthene	U	0.617	U	0.621	U	0.654	U	0.628	U	0.441
Dibenzofuran	U	0.613	U	0.616	U	0.649	U	0.623	U	0.438
Fluorene	U	0.612	U	0.615	U	0.648	U	0.622	U	0.437
Phenanthrene	U	0.623	U	0.626	U	0.660	U	0.633	U	0.445
Anthracene	U	0.665	U	0.669	U	0.705	U	0.677	U	0.475
Carbazole	U	0.672	U	0.676	U	0.712	U	0.683	U	0.480
Fluoranthene	U	0.660	U	0.664	U	0.700	U	0.672	U	0.471
Pyrene	U	0.666	U	0.670	U	0.706	U	0.678	U	0.476
Benzo(a)anthracene	U	0.638	U	0.642	U	0.676	U	0.649	U	0.456
Chrysene	U	0.606	U	0.610	U	0.642	U	0.617	U	0.433
Benzo(b)fluoranthene	U	0.644	U	0.648	U	0.682	U	0.655	U	0.460
Benzo(k)fluoranthene	U	0.677	U	0.681	U	0.717	U	0.689	U	0.483
Benzo(e)pyrene	U	0.648	U	0.651	U	0.686	U	0.659	U	0.463
Benzo(a)pyrene	U	0.722	U	0.726	U	0.765	U	0.734	U	0.515
Indeno(1,2,3cd)pyrene	U	0.701	U	0.705	U	0.742	U	0.713	U	0.500
Dibenzo(a,h)anthracene	U	0.702	U	0.706	U	0.744	U	0.714	U	0.501
Benzo(g,h,i)perylene	U	0.677	U	0.681	U	0.718	U	0.689	U	0.484

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210014-09		R210014-10		R210014-11		R210014-12		R210014-13	
Sample Number	34001-0175		34001-0176		34001-0177		34001-0178		34001-0179	
Sampling Location	P0004		P0011		P0002		P0010		P0005	
Volume (L)	684		654		720		720		720	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.601	U	0.629	U	0.571	U	0.571	U	0.571
2Methylnaphthalene	U	0.637	U	0.666	U	0.605	U	0.605	U	0.605
1Methylnaphthalene	U	0.648	U	0.677	U	0.615	U	0.615	U	0.615
Biphenyl	U	0.629	U	0.657	U	0.597	U	0.597	U	0.597
2,6Dimethylnaphthalene	U	0.645	U	0.675	U	0.613	U	0.613	U	0.613
Acenaphthylene	U	0.676	U	0.707	U	0.642	U	0.642	U	0.642
Acenaphthene	U	0.644	U	0.674	U	0.612	U	0.612	U	0.612
Dibenzofuran	U	0.640	U	0.669	U	0.608	U	0.608	U	0.608
Fluorene	U	0.639	U	0.668	U	0.607	U	0.607	U	0.607
Phenanthrene	U	0.650	U	0.680	U	0.618	U	0.618	U	0.618
Anthracene	U	0.695	U	0.726	U	0.660	U	0.660	U	0.660
Carbazole	U	0.701	U	0.734	U	0.666	U	0.666	U	0.666
Fluoranthene	U	0.689	U	0.721	U	0.655	U	0.655	U	0.655
Pyrene	U	0.695	U	0.727	U	0.661	U	0.661	U	0.661
Benzo(a)anthracene	U	0.666	U	0.697	U	0.633	U	0.633	U	0.633
Chrysene	U	0.633	U	0.662	U	0.601	U	0.601	U	0.601
Benzo(b)fluoranthene	U	0.672	U	0.703	U	0.639	U	0.639	U	0.639
Benzo(k)fluoranthene	U	0.707	U	0.739	U	0.671	U	0.671	U	0.671
Benzo(e)pyrene	U	0.676	U	0.707	U	0.642	U	0.642	U	0.642
Benzo(a)pyrene	U	0.754	U	0.788	U	0.716	U	0.716	U	0.716
Indeno(1,2,3cd)pyrene	U	0.731	U	0.765	U	0.695	U	0.695	U	0.695
Dibenzo(a,h)anthracene	U	0.733	U	0.767	U	0.696	U	0.696	U	0.696
Benzo(g,h,i)perylene	U	0.707	U	0.740	U	0.672	U	0.672	U	0.672

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210014-14		R210014-15		R210014-16				R210015-01	
Sample Number	34001-0180		34001-0181		34001-0182		Lot Blank #12		34001-0183	
Sampling Location	P0006		P0003		Field Blank		Lot 5700		P0004	
Volume (L)	720		720		0		0		703	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg	Result total µg	RL total µg	Result µg / m³	RL µg / m³
Naphthalene	U	0.571	0.603	0.571	U	0.411	U	0.411	U	0.585
2Methylnaphthalene	U	0.605	U	0.605	U	0.436	U	0.436	U	0.620
1Methylnaphthalene	U	0.615	U	0.615	U	0.443	U	0.443	U	0.630
Biphenyl	U	0.597	U	0.597	U	0.430	U	0.430	U	0.612
2,6Dimethylnaphthalene	U	0.613	U	0.613	U	0.441	U	0.441	U	0.628
Acenaphthylene	U	0.642	U	0.642	U	0.462	U	0.462	U	0.658
Acenaphthene	U	0.612	U	0.612	U	0.441	U	0.441	U	0.627
Dibenzofuran	U	0.608	U	0.608	U	0.438	U	0.438	U	0.623
Fluorene	U	0.607	U	0.607	U	0.437	U	0.437	U	0.622
Phenanthrene	U	0.618	U	0.618	U	0.445	U	0.445	U	0.633
Anthracene	U	0.660	U	0.660	U	0.475	U	0.475	U	0.676
Carbazole	U	0.666	U	0.666	U	0.480	U	0.480	U	0.683
Fluoranthene	U	0.655	U	0.655	U	0.471	U	0.471	U	0.671
Pyrene	U	0.661	U	0.661	U	0.476	U	0.476	U	0.677
Benzo(a)anthracene	U	0.633	U	0.633	U	0.456	U	0.456	U	0.648
Chrysene	U	0.601	U	0.601	U	0.433	U	0.433	U	0.616
Benzo(b)fluoranthene	U	0.639	U	0.639	U	0.460	U	0.460	U	0.654
Benzo(k)fluoranthene	U	0.671	U	0.671	U	0.483	U	0.483	U	0.688
Benzo(e)pyrene	U	0.642	U	0.642	U	0.463	U	0.463	U	0.658
Benzo(a)pyrene	U	0.716	U	0.716	U	0.515	U	0.515	U	0.733
Indeno(1,2,3cd)pyrene	U	0.695	U	0.695	U	0.500	U	0.500	U	0.712
Dibenzo(a,h)anthracene	U	0.696	U	0.696	U	0.501	U	0.501	U	0.713
Benzo(g,h,i)perylene	U	0.672	U	0.672	U	0.484	U	0.484	U	0.688

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210015-02		R210015-03		R210015-04		R210015-05		R210015-06	
Sample Number	34001-0184		34001-0185		34001-0186		34001-0187		34001-0188	
Sampling Location	P0011		P0002		P0010		P0010co		P0005	
Volume (L)	704		705		651		704		696	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.584	U	0.583	U	0.632	U	0.584	U	0.591
2Methylnaphthalene	U	0.619	U	0.618	U	0.669	U	0.619	U	0.626
1Methylnaphthalene	U	0.629	U	0.628	U	0.681	U	0.629	U	0.637
Biphenyl	U	0.611	U	0.610	U	0.661	U	0.611	U	0.618
2,6Dimethylnaphthalene	U	0.627	U	0.626	U	0.678	U	0.627	U	0.634
Acenaphthylene	U	0.657	U	0.656	U	0.710	U	0.657	U	0.664
Acenaphthene	U	0.626	U	0.625	U	0.677	U	0.626	U	0.633
Dibenzofuran	U	0.622	U	0.621	U	0.672	U	0.622	U	0.629
Fluorene	U	0.621	U	0.620	U	0.671	U	0.621	U	0.628
Phenanthrene	U	0.632	U	0.631	U	0.683	U	0.632	U	0.639
Anthracene	U	0.675	U	0.674	U	0.730	U	0.675	U	0.683
Carbazole	U	0.682	U	0.681	U	0.737	U	0.682	U	0.689
Fluoranthene	U	0.670	U	0.669	U	0.724	U	0.670	U	0.677
Pyrene	U	0.676	U	0.675	U	0.731	U	0.676	U	0.683
Benzo(a)anthracene	U	0.647	U	0.646	U	0.700	U	0.647	U	0.655
Chrysene	U	0.615	U	0.614	U	0.665	U	0.615	U	0.622
Benzo(b)fluoranthene	U	0.653	U	0.652	U	0.706	U	0.653	U	0.661
Benzo(k)fluoranthene	U	0.687	U	0.686	U	0.742	U	0.687	U	0.694
Benzo(e)pyrene	U	0.657	U	0.656	U	0.711	U	0.657	U	0.665
Benzo(a)pyrene	U	0.732	U	0.731	U	0.792	U	0.732	U	0.741
Indeno(1,2,3cd)pyrene	U	0.711	U	0.710	U	0.768	U	0.711	U	0.719
Dibenzo(a,h)anthracene	U	0.712	U	0.711	U	0.770	U	0.712	U	0.720
Benzo(g,h,i)perylene	U	0.687	U	0.686	U	0.743	U	0.687	U	0.695

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210015-07		R210015-08		R210015-09		R210015-10		R210015-11	
Sample Number	34001-0189		34001-0190		34001-0191		34001-0192		34001-0193	
Sampling Location	P0006		P0003		Field Blank		P0004		P0011	
Volume (L)	666		704		0		720		720	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.617	U	0.584	U	0.411	U	0.571	U	0.571
2Methylnaphthalene	U	0.654	U	0.619	U	0.436	U	0.605	U	0.605
1Methylnaphthalene	U	0.665	U	0.629	U	0.443	U	0.615	U	0.615
Biphenyl	U	0.646	U	0.611	U	0.430	U	0.597	U	0.597
2,6Dimethylnaphthalene	U	0.662	U	0.627	U	0.441	U	0.613	U	0.613
Acenaphthylene	U	0.694	U	0.657	U	0.462	U	0.642	U	0.642
Acenaphthene	U	0.662	U	0.626	U	0.441	U	0.612	U	0.612
Dibenzofuran	U	0.657	U	0.622	U	0.438	U	0.608	U	0.608
Fluorene	U	0.656	U	0.621	U	0.437	U	0.607	U	0.607
Phenanthrene	U	0.668	U	0.632	U	0.445	U	0.618	U	0.618
Anthracene	U	0.713	U	0.675	U	0.475	U	0.660	U	0.660
Carbazole	U	0.720	U	0.682	U	0.480	U	0.666	U	0.666
Fluoranthene	U	0.708	U	0.670	U	0.471	U	0.655	U	0.655
Pyrene	U	0.714	U	0.676	U	0.476	U	0.661	U	0.661
Benzo(a)anthracene	U	0.684	U	0.647	U	0.456	U	0.633	U	0.633
Chrysene	U	0.650	U	0.615	U	0.433	U	0.601	U	0.601
Benzo(b)fluoranthene	U	0.690	U	0.653	U	0.460	U	0.639	U	0.639
Benzo(k)fluoranthene	U	0.726	U	0.687	U	0.483	U	0.671	U	0.671
Benzo(e)pyrene	U	0.695	U	0.657	U	0.463	U	0.642	U	0.642
Benzo(a)pyrene	U	0.774	U	0.732	U	0.515	U	0.716	U	0.716
Indeno(1,2,3cd)pyrene	U	0.751	U	0.711	U	0.500	U	0.695	U	0.695
Dibenzo(a,h)anthracene	U	0.753	U	0.712	U	0.501	U	0.696	U	0.696
Benzo(g,h,i)perylene	U	0.726	U	0.687	U	0.484	U	0.672	U	0.672

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210015-12		R210015-13		R210015-14		R210015-15		R210015-16	
Sample Number	34001-0194		34001-0195		34001-0196		34001-0197		34001-0198	
Sampling Location	P0002		P0010		P0005		P0006		P0003	
Volume (L)	720		720		720		720		720	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.571	U	0.571	U	0.571	U	0.571	U	0.571
2Methylnaphthalene	U	0.605	U	0.605	U	0.605	U	0.605	U	0.605
1Methylnaphthalene	U	0.615	U	0.615	U	0.615	U	0.615	U	0.615
Biphenyl	U	0.597	U	0.597	U	0.597	U	0.597	U	0.597
2,6Dimethylnaphthalene	U	0.613	U	0.613	U	0.613	U	0.613	U	0.613
Acenaphthylene	U	0.642	U	0.642	U	0.642	U	0.642	U	0.642
Acenaphthene	U	0.612	U	0.612	U	0.612	U	0.612	U	0.612
Dibenzofuran	U	0.608	U	0.608	U	0.608	U	0.608	U	0.608
Fluorene	U	0.607	U	0.607	U	0.607	U	0.607	U	0.607
Phenanthrene	U	0.618	U	0.618	U	0.618	U	0.618	U	0.618
Anthracene	U	0.660	U	0.660	U	0.660	U	0.660	U	0.660
Carbazole	U	0.666	U	0.666	U	0.666	U	0.666	U	0.666
Fluoranthene	U	0.655	U	0.655	U	0.655	U	0.655	U	0.655
Pyrene	U	0.661	U	0.661	U	0.661	U	0.661	U	0.661
Benzo(a)anthracene	U	0.633	U	0.633	U	0.633	U	0.633	U	0.633
Chrysene	U	0.601	U	0.601	U	0.601	U	0.601	U	0.601
Benzo(b)fluoranthene	U	0.639	U	0.639	U	0.639	U	0.639	U	0.639
Benzo(k)fluoranthene	U	0.671	U	0.671	U	0.671	U	0.671	U	0.671
Benzo(e)pyrene	U	0.642	U	0.642	U	0.642	U	0.642	U	0.642
Benzo(a)pyrene	U	0.716	U	0.716	U	0.716	U	0.716	U	0.716
Indeno(1,2,3cd)pyrene	U	0.695	U	0.695	U	0.695	U	0.695	U	0.695
Dibenzo(a,h)anthracene	U	0.696	U	0.696	U	0.696	U	0.696	U	0.696
Benzo(g,h,i)perylene	U	0.672	U	0.672	U	0.672	U	0.672	U	0.672

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210015-17
Sample Number	34001-0199
Sampling Location	Field Blank
Volume (L)	0
Analyte	Result total µg / RL total µg
Naphthalene	U / 0.411
2Methylnaphthalene	U / 0.436
1Methylnaphthalene	U / 0.443
Biphenyl	U / 0.430
2,6Dimethylnaphthalene	U / 0.441
Acenaphthylene	U / 0.462
Acenaphthene	U / 0.441
Dibenzofuran	U / 0.438
Fluorene	U / 0.437
Phenanthrene	U / 0.445
Anthracene	U / 0.475
Carbazole	U / 0.480
Fluoranthene	U / 0.471
Pyrene	U / 0.476
Benzo(a)anthracene	U / 0.456
Chrysene	U / 0.433
Benzo(b)fluoranthene	U / 0.460
Benzo(k)fluoranthene	U / 0.483
Benzo(e)pyrene	U / 0.463
Benzo(a)pyrene	U / 0.515
Indeno(1,2,3cd)pyrene	U / 0.500
Dibenzo(a,h)anthracene	U / 0.501
Benzo(g,h,i)perylene	U / 0.484

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number		R210016-01		R210016-02		R210016-03		R210016-04	
Sample Number	Lot Blank #13	34001-0200		34001-0201		34001-0202		34001-0203	
Sampling Location	Lot 5700	P0004		P0011		P0002		P0010	
Volume (L)	0	720		720		720		720	
Analyte	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.411	U	0.571	U	0.571	U	0.571	U	0.571
2Methylnaphthalene	U	0.436	U	0.605	U	0.605	U	0.605	U	0.605
1Methylnaphthalene	U	0.443	U	0.615	U	0.615	U	0.615	U	0.615
Biphenyl	U	0.430	U	0.597	U	0.597	U	0.597	U	0.597
2,6Dimethylnaphthalene	U	0.441	U	0.613	U	0.613	U	0.613	U	0.613
Acenaphthylene	U	0.462	U	0.642	U	0.642	U	0.642	U	0.642
Acenaphthene	U	0.441	U	0.612	U	0.612	U	0.612	U	0.612
Dibenzofuran	U	0.438	U	0.608	U	0.608	U	0.608	U	0.608
Fluorene	U	0.437	U	0.607	U	0.607	U	0.607	U	0.607
Phenanthrene	U	0.445	U	0.618	U	0.618	U	0.618	U	0.618
Anthracene	U	0.475	U	0.660	U	0.660	U	0.660	U	0.660
Carbazole	U	0.480	U	0.666	U	0.666	U	0.666	U	0.666
Fluoranthene	U	0.471	U	0.655	U	0.655	U	0.655	U	0.655
Pyrene	U	0.476	U	0.661	U	0.661	U	0.661	U	0.661
Benzo(a)anthracene	U	0.456	U	0.633	U	0.633	U	0.633	U	0.633
Chrysene	U	0.433	U	0.601	U	0.601	U	0.601	U	0.601
Benzo(b)fluoranthene	U	0.460	U	0.639	U	0.639	U	0.639	U	0.639
Benzo(k)fluoranthene	U	0.483	U	0.671	U	0.671	U	0.671	U	0.671
Benzo(e)pyrene	U	0.463	U	0.642	U	0.642	U	0.642	U	0.642
Benzo(a)pyrene	U	0.515	U	0.716	U	0.716	U	0.716	U	0.716
Indeno(1,2,3cd)pyrene	U	0.500	U	0.695	U	0.695	U	0.695	U	0.695
Dibenzo(a,h)anthracene	U	0.501	U	0.696	U	0.696	U	0.696	U	0.696
Benzo(g,h,i)perylene	U	0.484	U	0.672	U	0.672	U	0.672	U	0.672

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210016-05		R210016-06		R210016-07		R210016-08		R210016-09	
Sample Number	34001-0204		34001-0205		34001-0206		34001-0207		34001-0208	
Sampling Location	P0005		P0006		P0003		Field Blank		P0004	
Volume (L)	720		715		715		0		706	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg	Result µg / m³	RL µg / m³
Naphthalene	U	0.571	U	0.575	U	0.575	U	0.411	U	0.582
2Methylnaphthalene	U	0.605	U	0.610	U	0.610	U	0.436	U	0.617
1Methylnaphthalene	U	0.615	U	0.620	U	0.620	U	0.443	U	0.628
Biphenyl	U	0.597	U	0.601	U	0.601	U	0.430	U	0.609
2,6Dimethylnaphthalene	U	0.613	U	0.617	U	0.617	U	0.441	U	0.625
Acenaphthylene	U	0.642	U	0.647	U	0.647	U	0.462	U	0.655
Acenaphthene	U	0.612	U	0.616	U	0.616	U	0.441	U	0.624
Dibenzofuran	U	0.608	U	0.612	U	0.612	U	0.438	U	0.620
Fluorene	U	0.607	U	0.611	U	0.611	U	0.437	U	0.619
Phenanthrene	U	0.618	U	0.622	U	0.622	U	0.445	U	0.630
Anthracene	U	0.660	U	0.664	U	0.664	U	0.475	U	0.673
Carbazole	U	0.666	U	0.671	U	0.671	U	0.480	U	0.680
Fluoranthene	U	0.655	U	0.659	U	0.659	U	0.471	U	0.668
Pyrene	U	0.661	U	0.665	U	0.665	U	0.476	U	0.674
Benzo(a)anthracene	U	0.633	U	0.637	U	0.637	U	0.456	U	0.646
Chrysene	U	0.601	U	0.605	U	0.605	U	0.433	U	0.613
Benzo(b)fluoranthene	U	0.639	U	0.643	U	0.643	U	0.460	U	0.651
Benzo(k)fluoranthene	U	0.671	U	0.676	U	0.676	U	0.483	U	0.685
Benzo(e)pyrene	U	0.642	U	0.647	U	0.647	U	0.463	U	0.655
Benzo(a)pyrene	U	0.716	U	0.721	U	0.721	U	0.515	U	0.730
Indeno(1,2,3cd)pyrene	U	0.695	U	0.700	U	0.700	U	0.500	U	0.709
Dibenzo(a,h)anthracene	U	0.696	U	0.701	U	0.701	U	0.501	U	0.710
Benzo(g,h,i)perylene	U	0.672	U	0.676	U	0.676	U	0.484	U	0.685

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210016-10		R210016-11		R210016-12		R210016-13		R210016-14	
Sample Number	34001-0209		34001-0210		34001-0211		34001-0212		34001-0213	
Sampling Location	P0011		P0002		P0010		P0005		P0006	
Volume (L)	710		712		713		712		711	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.579	U	0.578	U	0.577	U	0.578	U	0.578
2Methylnaphthalene	U	0.614	U	0.612	U	0.611	U	0.612	U	0.613
1Methylnaphthalene	U	0.624	U	0.622	U	0.621	U	0.622	U	0.623
Biphenyl	U	0.606	U	0.604	U	0.603	U	0.604	U	0.605
2,6Dimethylnaphthalene	U	0.621	U	0.620	U	0.619	U	0.620	U	0.620
Acenaphthylene	U	0.651	U	0.649	U	0.649	U	0.649	U	0.650
Acenaphthene	U	0.621	U	0.619	U	0.618	U	0.619	U	0.620
Dibenzofuran	U	0.616	U	0.615	U	0.614	U	0.615	U	0.616
Fluorene	U	0.615	U	0.614	U	0.613	U	0.614	U	0.615
Phenanthrene	U	0.626	U	0.625	U	0.624	U	0.625	U	0.625
Anthracene	U	0.669	U	0.667	U	0.666	U	0.667	U	0.668
Carbazole	U	0.676	U	0.674	U	0.673	U	0.674	U	0.675
Fluoranthene	U	0.664	U	0.662	U	0.661	U	0.662	U	0.663
Pyrene	U	0.670	U	0.668	U	0.667	U	0.668	U	0.669
Benzo(a)anthracene	U	0.642	U	0.640	U	0.639	U	0.640	U	0.641
Chrysene	U	0.610	U	0.608	U	0.607	U	0.608	U	0.609
Benzo(b)fluoranthene	U	0.648	U	0.646	U	0.645	U	0.646	U	0.647
Benzo(k)fluoranthene	U	0.681	U	0.679	U	0.678	U	0.679	U	0.680
Benzo(e)pyrene	U	0.651	U	0.650	U	0.649	U	0.650	U	0.651
Benzo(a)pyrene	U	0.726	U	0.724	U	0.723	U	0.724	U	0.725
Indeno(1,2,3cd)pyrene	U	0.705	U	0.703	U	0.702	U	0.703	U	0.704
Dibenzo(a,h)anthracene	U	0.706	U	0.704	U	0.703	U	0.704	U	0.705
Benzo(g,h,i)perylene	U	0.681	U	0.679	U	0.678	U	0.679	U	0.680

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210016-15		R210016-16	
Sample Number	34001-0214		34001-0215	
Sampling Location	P0003		Field Blank	
Volume (L)	712		0	
Analyte	Result µg / m³	RL µg / m³	Result total µg	RL total µg
Naphthalene	U	0.578	U	0.411
2Methylnaphthalene	U	0.612	U	0.436
1Methylnaphthalene	U	0.622	U	0.443
Biphenyl	U	0.604	U	0.430
2,6Dimethylnaphthalene	U	0.620	U	0.441
Acenaphthylene	U	0.649	U	0.462
Acenaphthene	U	0.619	U	0.441
Dibenzofuran	U	0.615	U	0.438
Fluorene	U	0.614	U	0.437
Phenanthrene	U	0.625	U	0.445
Anthracene	U	0.667	U	0.475
Carbazole	U	0.674	U	0.480
Fluoranthene	U	0.662	U	0.471
Pyrene	U	0.668	U	0.476
Benzo(a)anthracene	U	0.640	U	0.456
Chrysene	U	0.608	U	0.433
Benzo(b)fluoranthene	U	0.646	U	0.460
Benzo(k)fluoranthene	U	0.679	U	0.483
Benzo(e)pyrene	U	0.650	U	0.463
Benzo(a)pyrene	U	0.724	U	0.515
Indeno(1,2,3cd)pyrene	U	0.703	U	0.500
Dibenzo(a,h)anthracene	U	0.704	U	0.501
Benzo(g,h,I)perylene	U	0.679	U	0.484

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210016-17		R210016-18		R210016-19		R210016-20	
Sample Number	34001-0216		34001-0217		34001-0218		34001-0219	
Sampling Location	P0004		P0011		P0002		P0010	
Volume (L)	713		714		715		716	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.577	U	0.576	U	0.575	U	0.574
2Methylnaphthalene	U	0.611	U	0.610	U	0.610	U	0.609
1Methylnaphthalene	U	0.621	U	0.621	U	0.620	U	0.619
Biphenyl	U	0.603	U	0.602	U	0.601	U	0.601
2,6Dimethylnaphthalene	U	0.619	U	0.618	U	0.617	U	0.616
Acenaphthylene	U	0.649	U	0.648	U	0.647	U	0.646
Acenaphthene	U	0.618	U	0.617	U	0.616	U	0.616
Dibenzofuran	U	0.614	U	0.613	U	0.612	U	0.611
Fluorene	U	0.613	U	0.612	U	0.611	U	0.610
Phenanthrene	U	0.624	U	0.623	U	0.622	U	0.621
Anthracene	U	0.666	U	0.665	U	0.664	U	0.664
Carbazole	U	0.673	U	0.672	U	0.671	U	0.670
Fluoranthene	U	0.661	U	0.660	U	0.659	U	0.658
Pyrene	U	0.667	U	0.666	U	0.665	U	0.664
Benzo(a)anthracene	U	0.639	U	0.638	U	0.637	U	0.637
Chrysene	U	0.607	U	0.606	U	0.605	U	0.605
Benzo(b)fluoranthene	U	0.645	U	0.644	U	0.643	U	0.642
Benzo(k)fluoranthene	U	0.678	U	0.677	U	0.676	U	0.675
Benzo(e)pyrene	U	0.649	U	0.648	U	0.647	U	0.646
Benzo(a)pyrene	U	0.723	U	0.722	U	0.721	U	0.720
Indeno(1,2,3cd)pyrene	U	0.702	U	0.701	U	0.700	U	0.699
Dibenzo(a,h)anthracene	U	0.703	U	0.702	U	0.701	U	0.700
Benzo(g,h,i)perylene	U	0.678	U	0.677	U	0.676	U	0.675

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number			R210016-21		R210016-22		R210016-23		R210016-24	
Sample Number	Lot Blank #14		34001-0221		34001-0222		34001-0223		34001-0224	
Sampling Location	Lot 5700		P0005		P0006		P0003		Field Blank	
Volume (L)	0		720		720		720		0	
Analyte	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg
Naphthalene	U	0.411	U	0.571	U	0.571	U	0.571	U	0.411
2Methylnaphthalene	U	0.436	U	0.605	U	0.605	U	0.605	U	0.436
1Methylnaphthalene	U	0.443	U	0.615	U	0.615	U	0.615	U	0.443
Biphenyl	U	0.430	U	0.597	U	0.597	U	0.597	U	0.430
2,6Dimethylnaphthalene	U	0.441	U	0.613	U	0.613	U	0.613	U	0.441
Acenaphthylene	U	0.462	U	0.642	U	0.642	U	0.642	U	0.462
Acenaphthene	U	0.441	U	0.612	U	0.612	U	0.612	U	0.441
Dibenzofuran	U	0.438	U	0.608	U	0.608	U	0.608	U	0.438
Fluorene	U	0.437	U	0.607	U	0.607	U	0.607	U	0.437
Phenanthrene	U	0.445	U	0.618	U	0.618	U	0.618	U	0.445
Anthracene	U	0.475	U	0.660	U	0.660	U	0.660	U	0.475
Carbazole	U	0.480	U	0.666	U	0.666	U	0.666	U	0.480
Fluoranthene	U	0.471	U	0.655	U	0.655	U	0.655	U	0.471
Pyrene	U	0.476	U	0.661	U	0.661	U	0.661	U	0.476
Benzo(a)anthracene	U	0.456	U	0.633	U	0.633	U	0.633	U	0.456
Chrysene	U	0.433	U	0.601	U	0.601	U	0.601	U	0.433
Benzo(b)fluoranthene	U	0.460	U	0.639	U	0.639	U	0.639	U	0.460
Benzo(k)fluoranthene	U	0.483	U	0.671	U	0.671	U	0.671	U	0.483
Benzo(e)pyrene	U	0.463	U	0.642	U	0.642	U	0.642	U	0.463
Benzo(a)pyrene	U	0.515	U	0.716	U	0.716	U	0.716	U	0.515
Indeno(1,2,3cd)pyrene	U	0.500	U	0.695	U	0.695	U	0.695	U	0.500
Dibenzo(a,h)anthracene	U	0.501	U	0.696	U	0.696	U	0.696	U	0.501
Benzo(g,h,i)perylene	U	0.484	U	0.672	U	0.672	U	0.672	U	0.484

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210016-25		R210016-26		R210016-27		R210016-28		R210016-29	
Sample Number	34001-0225		34001-0226		34001-0227		34001-0228		34001-0230	
Sampling Location	P0004		P0011		P0002		P0010		P0005	
Volume (L)	711		706		707		700		712	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.578	U	0.582	U	0.582	U	0.587	U	0.578
2Methylnaphthalene	U	0.613	U	0.617	U	0.616	U	0.623	U	0.612
1Methylnaphthalene	U	0.623	U	0.628	U	0.627	U	0.633	U	0.622
Biphenyl	U	0.605	U	0.609	U	0.608	U	0.614	U	0.604
2,6Dimethylnaphthalene	U	0.620	U	0.625	U	0.624	U	0.630	U	0.620
Acenaphthylene	U	0.650	U	0.655	U	0.654	U	0.661	U	0.649
Acenaphthene	U	0.620	U	0.624	U	0.623	U	0.630	U	0.619
Dibenzofuran	U	0.616	U	0.620	U	0.619	U	0.625	U	0.615
Fluorene	U	0.615	U	0.619	U	0.618	U	0.624	U	0.614
Phenanthrene	U	0.625	U	0.630	U	0.629	U	0.635	U	0.625
Anthracene	U	0.668	U	0.673	U	0.672	U	0.679	U	0.667
Carbazole	U	0.675	U	0.680	U	0.679	U	0.685	U	0.674
Fluoranthene	U	0.663	U	0.668	U	0.667	U	0.674	U	0.662
Pyrene	U	0.669	U	0.674	U	0.673	U	0.680	U	0.668
Benzo(a)anthracene	U	0.641	U	0.646	U	0.645	U	0.651	U	0.640
Chrysene	U	0.609	U	0.613	U	0.612	U	0.618	U	0.608
Benzo(b)fluoranthene	U	0.647	U	0.651	U	0.650	U	0.657	U	0.646
Benzo(k)fluoranthene	U	0.680	U	0.685	U	0.684	U	0.690	U	0.679
Benzo(e)pyrene	U	0.651	U	0.655	U	0.654	U	0.661	U	0.650
Benzo(a)pyrene	U	0.725	U	0.730	U	0.729	U	0.736	U	0.724
Indeno(1,2,3cd)pyrene	U	0.704	U	0.709	U	0.708	U	0.715	U	0.703
Dibenzo(a,h)anthracene	U	0.705	U	0.710	U	0.709	U	0.716	U	0.704
Benzo(g,h,i)perylene	U	0.680	U	0.685	U	0.684	U	0.691	U	0.679

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210016-30		R210016-31		R210016-32	
Sample Number	34001-0231		34001-0232		34001-0233	
Sampling Location	P0006		P0003		Field Blank	
Volume (L)	710		706		0	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg
Naphthalene	U	0.579	U	0.582	U	0.411
2Methylnaphthalene	U	0.614	U	0.617	U	0.436
1Methylnaphthalene	U	0.624	U	0.628	U	0.443
Biphenyl	U	0.606	U	0.609	U	0.430
2,6Dimethylnaphthalene	U	0.621	U	0.625	U	0.441
Acenaphthylene	U	0.651	U	0.655	U	0.462
Acenaphthene	U	0.621	U	0.624	U	0.441
Dibenzofuran	U	0.616	U	0.620	U	0.438
Fluorene	U	0.615	U	0.619	U	0.437
Phenanthrene	U	0.626	U	0.630	U	0.445
Anthracene	U	0.669	U	0.673	U	0.475
Carbazole	U	0.676	U	0.680	U	0.480
Fluoranthene	U	0.664	U	0.668	U	0.471
Pyrene	U	0.670	U	0.674	U	0.476
Benzo(a)anthracene	U	0.642	U	0.646	U	0.456
Chrysene	U	0.610	U	0.613	U	0.433
Benzo(b)fluoranthene	U	0.648	U	0.651	U	0.460
Benzo(k)fluoranthene	U	0.681	U	0.685	U	0.483
Benzo(e)pyrene	U	0.651	U	0.655	U	0.463
Benzo(a)pyrene	U	0.726	U	0.730	U	0.515
Indeno(1,2,3cd)pyrene	U	0.705	U	0.709	U	0.500
Dibenzo(a,h)anthracene	U	0.706	U	0.710	U	0.501
Benzo(g,h,i)perylene	U	0.681	U	0.685	U	0.484

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210016-33		R210016-34		R210016-35		R210016-36		R210016-37	
Sample Number	34001-0234		34001-0235		34001-0236		34001-0237		34001-0239	
Sampling Location	P0004		P0011		P0002		P0010		P0005	
Volume (L)	713		714		720		707		704	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.577	U	0.576	U	0.571	U	0.582	U	0.584
2Methylnaphthalene	U	0.611	U	0.610	U	0.605	U	0.616	U	0.619
1Methylnaphthalene	U	0.621	U	0.621	U	0.615	U	0.627	U	0.629
Biphenyl	U	0.603	U	0.602	U	0.597	U	0.608	U	0.611
2,6Dimethylnaphthalene	U	0.619	U	0.618	U	0.613	U	0.624	U	0.627
Acenaphthylene	U	0.649	U	0.648	U	0.642	U	0.654	U	0.657
Acenaphthene	U	0.618	U	0.617	U	0.612	U	0.623	U	0.626
Dibenzofuran	U	0.614	U	0.613	U	0.608	U	0.619	U	0.622
Fluorene	U	0.613	U	0.612	U	0.607	U	0.618	U	0.621
Phenanthrene	U	0.624	U	0.623	U	0.618	U	0.629	U	0.632
Anthracene	U	0.666	U	0.665	U	0.660	U	0.672	U	0.675
Carbazole	U	0.673	U	0.672	U	0.666	U	0.679	U	0.682
Fluoranthene	U	0.661	U	0.660	U	0.655	U	0.667	U	0.670
Pyrene	U	0.667	U	0.666	U	0.661	U	0.673	U	0.676
Benzo(a)anthracene	U	0.639	U	0.638	U	0.633	U	0.645	U	0.647
Chrysene	U	0.607	U	0.606	U	0.601	U	0.612	U	0.615
Benzo(b)fluoranthene	U	0.645	U	0.644	U	0.639	U	0.650	U	0.653
Benzo(k)fluoranthene	U	0.678	U	0.677	U	0.671	U	0.684	U	0.687
Benzo(e)pyrene	U	0.649	U	0.648	U	0.642	U	0.654	U	0.657
Benzo(a)pyrene	U	0.723	U	0.722	U	0.716	U	0.729	U	0.732
Indeno(1,2,3cd)pyrene	U	0.702	U	0.701	U	0.695	U	0.708	U	0.711
Dibenzo(a,h)anthracene	U	0.703	U	0.702	U	0.696	U	0.709	U	0.712
Benzo(g,h,i)perylene	U	0.678	U	0.677	U	0.672	U	0.684	U	0.687

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210016-38		R210016-39		R210016-40				R210016-41	
Sample Number	34001-0240		34001-0241		34001-0242		Lot Blank #15		34001-0243	
Sampling Location	P0006		P0003		Field Blank		Lot 5700		P0010co	
Volume (L)	705		707		0		0		698	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg	Result total µg	RL total µg	Result µg / m³	RL µg / m³
Naphthalene	U	0.583	U	0.582	U	0.411	U	0.411	U	0.589
2Methylnaphthalene	U	0.618	U	0.616	U	0.436	U	0.436	U	0.624
1Methylnaphthalene	U	0.628	U	0.627	U	0.443	U	0.443	U	0.635
Biphenyl	U	0.610	U	0.608	U	0.430	U	0.430	U	0.616
2,6Dimethylnaphthalene	U	0.626	U	0.624	U	0.441	U	0.441	U	0.632
Acenaphthylene	U	0.656	U	0.654	U	0.462	U	0.462	U	0.663
Acenaphthene	U	0.625	U	0.623	U	0.441	U	0.441	U	0.631
Dibenzofuran	U	0.621	U	0.619	U	0.438	U	0.438	U	0.627
Fluorene	U	0.620	U	0.618	U	0.437	U	0.437	U	0.626
Phenanthrene	U	0.631	U	0.629	U	0.445	U	0.445	U	0.637
Anthracene	U	0.674	U	0.672	U	0.475	U	0.475	U	0.681
Carbazole	U	0.681	U	0.679	U	0.480	U	0.480	U	0.687
Fluoranthene	U	0.669	U	0.667	U	0.471	U	0.471	U	0.675
Pyrene	U	0.675	U	0.673	U	0.476	U	0.476	U	0.682
Benzo(a)anthracene	U	0.646	U	0.645	U	0.456	U	0.456	U	0.653
Chrysene	U	0.614	U	0.612	U	0.433	U	0.433	U	0.620
Benzo(b)fluoranthene	U	0.652	U	0.650	U	0.460	U	0.460	U	0.659
Benzo(k)fluoranthene	U	0.686	U	0.684	U	0.483	U	0.483	U	0.692
Benzo(e)pyrene	U	0.656	U	0.654	U	0.463	U	0.463	U	0.663
Benzo(a)pyrene	U	0.731	U	0.729	U	0.515	U	0.515	U	0.738
Indeno(1,2,3cd)pyrene	U	0.710	U	0.708	U	0.500	U	0.500	U	0.717
Dibenzo(a,h)anthracene	U	0.711	U	0.709	U	0.501	U	0.501	U	0.718
Benzo(g,h,i)perylene	U	0.686	U	0.684	U	0.484	U	0.484	U	0.693

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210016-42		R210016-43		R210016-44		R210016-45		R210016-46	
Sample Number	34001-0244		34001-0245		34001-0246		34001-0247		34001-0248	
Sampling Location	P0004		P0011		P0002		P0010		P0005	
Volume (L)	715		708		700		357		700	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.575	U	0.581	U	0.587	U	1.152	U	0.587
2Methylnaphthalene	U	0.610	U	0.616	U	0.623	U	1.221	U	0.623
1Methylnaphthalene	U	0.620	U	0.626	U	0.633	U	1.241	U	0.633
Biphenyl	U	0.601	U	0.607	U	0.614	U	1.204	U	0.614
2,6Dimethylnaphthalene	U	0.617	U	0.623	U	0.630	U	1.236	U	0.630
Acenaphthylene	U	0.647	U	0.653	U	0.661	U	1.295	U	0.661
Acenaphthene	U	0.616	U	0.623	U	0.630	U	1.235	U	0.630
Dibenzofuran	U	0.612	U	0.618	U	0.625	U	1.226	U	0.625
Fluorene	U	0.611	U	0.617	U	0.624	U	1.224	U	0.624
Phenanthrene	U	0.622	U	0.628	U	0.635	U	1.246	U	0.635
Anthracene	U	0.664	U	0.671	U	0.679	U	1.331	U	0.679
Carbazole	U	0.671	U	0.678	U	0.685	U	1.344	U	0.685
Fluoranthene	U	0.659	U	0.666	U	0.674	U	1.321	U	0.674
Pyrene	U	0.665	U	0.672	U	0.680	U	1.333	U	0.680
Benzo(a)anthracene	U	0.637	U	0.644	U	0.651	U	1.277	U	0.651
Chrysene	U	0.605	U	0.611	U	0.818	U	1.213	U	0.618
Benzo(b)fluoranthene	U	0.643	U	0.649	U	0.657	U	1.288	U	0.657
Benzo(k)fluoranthene	U	0.676	U	0.683	U	0.690	U	1.354	U	0.690
Benzo(e)pyrene	U	0.647	U	0.653	U	0.661	U	1.296	U	0.661
Benzo(a)pyrene	U	0.721	U	0.728	U	0.736	U	1.444	U	0.736
Indeno(1,2,3cd)pyrene	U	0.700	U	0.707	U	0.715	U	1.401	U	0.715
Dibenzo(a,h)anthracene	U	0.701	U	0.708	U	0.716	U	1.404	U	0.716
Benzo(g,h,i)perylene	U	0.676	U	0.683	U	0.691	U	1.355	U	0.691

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210016-47		R210016-48		R210016-49	
Sample Number	34001-0249		34001-0250		34001-0251	
Sampling Location	P0006		P0003		Field Blank	
Volume (L)	700		700		0	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg
Naphthalene	U	0.587	U	0.587	U	0.411
2Methylnaphthalene	U	0.623	U	0.623	U	0.436
1Methylnaphthalene	U	0.633	U	0.633	U	0.443
Biphenyl	U	0.614	U	0.614	U	0.430
2,6Dimethylnaphthalene	U	0.630	U	0.630	U	0.441
Acenaphthylene	U	0.661	U	0.661	U	0.462
Acenaphthene	U	0.630	U	0.630	U	0.441
Dibenzofuran	U	0.625	U	0.625	U	0.438
Fluorene	U	0.624	U	0.624	U	0.437
Phenanthrene	U	0.635	U	0.635	U	0.445
Anthracene	U	0.679	U	0.679	U	0.475
Carbazole	U	0.685	U	0.685	U	0.480
Fluoranthene	U	0.674	U	0.674	U	0.471
Pyrene	U	0.680	U	0.680	U	0.476
Benzo(a)anthracene	U	0.651	U	0.651	U	0.456
Chrysene	U	0.618	U	0.618	U	0.433
Benzo(b)fluoranthene	U	0.657	U	0.657	U	0.460
Benzo(k)fluoranthene	U	0.690	U	0.690	U	0.483
Benzo(e)pyrene	U	0.661	U	0.661	U	0.463
Benzo(a)pyrene	U	0.736	U	0.736	U	0.515
Indeno(1,2,3cd)pyrene	U	0.715	U	0.715	U	0.500
Dibenzo(a,h)anthracene	U	0.716	U	0.716	U	0.501
Benzo(g,h,i)perylene	U	0.691	U	0.691	U	0.484

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210016-50		R210016-51		R210016-52		R210016-53		R210016-54	
Sample Number	34001-0253		34001-0254		34001-0255		34001-0256		34001-0258	
Sampling Location	P0004		P0011		P0002		P0010		P0005	
Volume (L)	711		720		720		720		720	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.578	U	0.571	U	0.571	U	0.571	U	0.571
2Methylnaphthalene	U	0.613	U	0.605	U	0.605	U	0.605	U	0.605
1Methylnaphthalene	U	0.623	U	0.615	U	0.615	U	0.615	U	0.615
Biphenyl	U	0.605	U	0.597	U	0.597	U	0.597	U	0.597
2,6Dimethylnaphthalene	U	0.620	U	0.613	U	0.613	U	0.613	U	0.613
Acenaphthylene	U	0.650	U	0.642	U	0.642	U	0.642	U	0.642
Acenaphthene	U	0.620	U	0.612	U	0.612	U	0.612	U	0.612
Dibenzofuran	U	0.616	U	0.608	U	0.608	U	0.608	U	0.608
Fluorene	U	0.615	U	0.607	U	0.607	U	0.607	U	0.607
Phenanthrene	U	0.625	U	0.618	U	0.618	U	0.618	U	0.618
Anthracene	U	0.668	U	0.660	U	0.660	U	0.660	U	0.660
Carbazole	U	0.675	U	0.666	U	0.666	U	0.666	U	0.666
Fluoranthene	U	0.663	U	0.655	U	0.655	U	0.655	U	0.655
Pyrene	U	0.669	U	0.661	U	0.661	U	0.661	U	0.661
Benzo(a)anthracene	U	0.641	U	0.633	U	0.633	U	0.633	U	0.633
Chrysene	U	0.609	U	0.601	U	0.601	U	0.601	U	0.601
Benzo(b)fluoranthene	U	0.647	U	0.639	U	0.639	U	0.639	U	0.639
Benzo(k)fluoranthene	U	0.680	U	0.671	U	0.671	U	0.671	U	0.671
Benzo(e)pyrene	U	0.651	U	0.642	U	0.642	U	0.642	U	0.642
Benzo(a)pyrene	U	0.725	U	0.716	U	0.716	U	0.716	U	0.716
Indeno(1,2,3cd)pyrene	U	0.704	U	0.695	U	0.695	U	0.695	U	0.695
Dibenzo(a,h)anthracene	U	0.705	U	0.696	U	0.696	U	0.696	U	0.696
Benzo(g,h,i)perylene	U	0.680	U	0.672	U	0.672	U	0.672	U	0.672

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210016-55		R210016-56		R210016-57		R210016-58		R210016-59	
Sample Number	34001-0259		34001-0260		34001-0261		34001-0262		34001-0263	
Sampling Location	P0006		P0003		Field Blank		P0004		P00011	
Volume (L)	720		720		0		720		720	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.571	U	0.571	U	0.411	U	0.571	U	0.571
2Methylnaphthalene	U	0.605	U	0.605	U	0.436	U	0.605	U	0.605
1Methylnaphthalene	U	0.615	U	0.615	U	0.443	U	0.615	U	0.615
Biphenyl	U	0.597	U	0.597	U	0.430	U	0.597	U	0.597
2,6Dimethylnaphthalene	U	0.613	U	0.613	U	0.441	U	0.613	U	0.613
Acenaphthylene	U	0.642	U	0.642	U	0.462	U	0.642	U	0.642
Acenaphthene	U	0.612	U	0.612	U	0.441	U	0.612	U	0.612
Dibenzofuran	U	0.608	U	0.608	U	0.438	U	0.608	U	0.608
Fluorene	U	0.607	U	0.607	U	0.437	U	0.607	U	0.607
Phenanthrene	U	0.618	U	0.618	U	0.445	U	0.618	U	0.618
Anthracene	U	0.660	U	0.660	U	0.475	U	0.660	U	0.660
Carbazole	U	0.666	U	0.666	U	0.480	U	0.666	U	0.666
Fluoranthene	U	0.655	U	0.655	U	0.471	U	0.655	U	0.655
Pyrene	U	0.661	U	0.661	U	0.476	U	0.661	U	0.661
Benzo(a)anthracene	U	0.633	U	0.633	U	0.456	U	0.633	U	0.633
Chrysene	U	0.601	U	0.601	U	0.433	U	0.601	U	0.601
Benzo(b)fluoranthene	U	0.639	U	0.639	U	0.460	U	0.639	U	0.639
Benzo(k)fluoranthene	U	0.671	U	0.671	U	0.483	U	0.671	U	0.671
Benzo(e)pyrene	U	0.642	U	0.642	U	0.463	U	0.642	U	0.642
Benzo(a)pyrene	U	0.716	U	0.716	U	0.515	U	0.716	U	0.716
Indeno(1,2,3cd)pyrene	U	0.695	U	0.695	U	0.500	U	0.695	U	0.695
Dibenzo(a,h)anthracene	U	0.696	U	0.696	U	0.501	U	0.696	U	0.696
Benzo(g,h,i)perylene	U	0.672	U	0.672	U	0.484	U	0.672	U	0.672

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210016-60			R210016-61		R210016-62		R210016-63	
Sample Number	34001-0264		Lot Blank #16	34001-0265		34001-0266		34001-0267	
Sampling Location	P0002		Lot 5700	P0010		P0005		P0006	
Volume (L)	719		0	717		720		720	
Analyte	Result µg / m³	RL µg / m³	Result total µg	RL total µg	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.572	U	0.411	U	0.573	U	0.571	U	0.571
2Methylnaphthalene	U	0.606	U	0.436	U	0.608	U	0.605	U	0.605
1Methylnaphthalene	U	0.616	U	0.443	U	0.618	U	0.615	U	0.615
Biphenyl	U	0.598	U	0.430	U	0.600	U	0.597	U	0.597
2,6Dimethylnaphthalene	U	0.614	U	0.441	U	0.615	U	0.613	U	0.613
Acenaphthylene	U	0.643	U	0.462	U	0.645	U	0.642	U	0.642
Acenaphthene	U	0.613	U	0.441	U	0.615	U	0.612	U	0.612
Dibenzofuran	U	0.609	U	0.438	U	0.610	U	0.608	U	0.608
Fluorene	U	0.608	U	0.437	U	0.609	U	0.607	U	0.607
Phenanthrene	U	0.618	U	0.445	U	0.620	U	0.618	U	0.618
Anthracene	U	0.661	U	0.475	U	0.663	U	0.660	U	0.660
Carbazole	U	0.667	U	0.480	U	0.669	U	0.666	U	0.666
Fluoranthene	U	0.656	U	0.471	U	0.658	U	0.655	U	0.655
Pyrene	U	0.662	U	0.476	U	0.663	U	0.661	U	0.661
Benzo(a)anthracene	U	0.634	U	0.456	U	0.636	U	0.633	U	0.633
Chrysene	U	0.602	U	0.433	U	0.604	U	0.601	U	0.601
Benzo(b)fluoranthene	U	0.640	U	0.460	U	0.641	U	0.639	U	0.639
Benzo(k)fluoranthene	U	0.672	U	0.483	U	0.674	U	0.671	U	0.671
Benzo(e)pyrene	U	0.643	U	0.463	U	0.645	U	0.642	U	0.642
Benzo(a)pyrene	U	0.717	U	0.515	U	0.719	U	0.716	U	0.716
Indeno(1,2,3cd)pyrene	U	0.696	U	0.500	U	0.698	U	0.695	U	0.695
Dibenzo(a,h)anthracene	U	0.697	U	0.501	U	0.699	U	0.696	U	0.696
Benzo(g,h,i)perylene	U	0.673	U	0.484	U	0.675	U	0.672	U	0.672

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210016-64		R210016-65	
Sample Number	34001-0268		34001-0269	
Sampling Location	P0003		Field Blank	
Volume (L)	714		0	
Analyte	Result µg / m³	RL µg / m³	Result total µg	RL total µg
Naphthalene	U	0.576	U	0.411
2Methylnaphthalene	U	0.610	U	0.436
1Methylnaphthalene	U	0.621	U	0.443
Biphenyl	U	0.602	U	0.430
2,6Dimethylnaphthalene	U	0.618	U	0.441
Acenaphthylene	U	0.648	U	0.462
Acenaphthene	U	0.617	U	0.441
Dibenzofuran	U	0.613	U	0.438
Fluorene	U	0.612	U	0.437
Phenanthrene	U	0.623	U	0.445
Anthracene	U	0.665	U	0.475
Carbazole	U	0.672	U	0.480
Fluoranthene	U	0.660	U	0.471
Pyrene	U	0.666	U	0.476
Benzo(a)anthracene	U	0.638	U	0.456
Chrysene	U	0.606	U	0.433
Benzo(b)fluoranthene	U	0.644	U	0.460
Benzo(k)fluoranthene	U	0.677	U	0.483
Benzo(e)pyrene	U	0.648	U	0.463
Benzo(a)pyrene	U	0.722	U	0.515
Indeno(1,2,3cd)pyrene	U	0.701	U	0.500
Dibenzo(a,h)anthracene	U	0.702	U	0.501
Benzo(g,h,i)perylene	U	0.677	U	0.484

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210017-01		R210017-02		R210017-03		R210017-04		R210017-05	
Sample Number	34001-0270		34001-0271		34001-0272		34001-0273		34001-0274	
Sampling Location	P0004		P0011		P0002		P0010		P0010co	
Volume (L)	715		715		710		703		703	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.575	U	0.575	U	0.579	U	0.585	U	0.585
2Methylnaphthalene	U	0.610	U	0.610	U	0.614	U	0.620	U	0.620
1Methylnaphthalene	U	0.620	U	0.620	U	0.624	U	0.630	U	0.630
Biphenyl	U	0.601	U	0.601	U	0.606	U	0.612	U	0.612
2,6Dimethylnaphthalene	U	0.617	U	0.617	U	0.621	U	0.628	U	0.628
Acenaphthylene	U	0.647	U	0.647	U	0.651	U	0.658	U	0.658
Acenaphthene	U	0.616	U	0.616	U	0.621	U	0.627	U	0.627
Dibenzofuran	U	0.612	U	0.612	U	0.616	U	0.623	U	0.623
Fluorene	U	0.611	U	0.611	U	0.615	U	0.622	U	0.622
Phenanthrene	U	0.622	U	0.622	U	0.626	U	0.633	U	0.633
Anthracene	U	0.664	U	0.664	U	0.669	U	0.676	U	0.676
Carbazole	U	0.671	U	0.671	U	0.676	U	0.683	U	0.683
Fluoranthene	U	0.659	U	0.659	U	0.664	U	0.671	U	0.671
Pyrene	U	0.665	U	0.665	U	0.670	U	0.677	U	0.677
Benzo(a)anthracene	U	0.637	U	0.637	U	0.642	U	0.648	U	0.648
Chrysene	U	0.605	U	0.605	U	0.610	U	0.616	U	0.616
Benzo(b)fluoranthene	U	0.643	U	0.643	U	0.648	U	0.654	U	0.654
Benzo(k)fluoranthene	U	0.676	U	0.676	U	0.681	U	0.688	U	0.688
Benzo(e)pyrene	U	0.647	U	0.647	U	0.651	U	0.658	U	0.658
Benzo(a)pyrene	U	0.721	U	0.721	U	0.726	U	0.733	U	0.733
Indeno(1,2,3cd)pyrene	U	0.700	U	0.700	U	0.705	U	0.712	U	0.712
Dibenzo(a,h)anthracene	U	0.701	U	0.701	U	0.706	U	0.713	U	0.713
Benzo(g,h,i)perylene	U	0.676	U	0.676	U	0.681	U	0.688	U	0.688

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210017-06		R210017-07		R210017-08		R210017-09		R210017-10	
Sample Number	34001-0275		34001-0276		34001-0277		34001-0278		34001-0279	
Sampling Location	P0005		P0006		P0003		Field Blank		P0004	
Volume (L)	702		700		700		0		716	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result total µg	RL total µg	Result µg / m³	RL µg / m³
Naphthalene	U	0.586	U	0.587	U	0.587	U	0.411	U	0.574
2Methylnaphthalene	U	0.621	U	0.623	U	0.623	U	0.436	U	0.609
1Methylnaphthalene	U	0.631	U	0.633	U	0.633	U	0.443	U	0.619
Biphenyl	U	0.613	U	0.614	U	0.614	U	0.430	U	0.601
2,6Dimethylnaphthalene	U	0.628	U	0.630	U	0.630	U	0.441	U	0.616
Acenaphthylene	U	0.659	U	0.661	U	0.661	U	0.462	U	0.646
Acenaphthene	U	0.628	U	0.630	U	0.630	U	0.441	U	0.616
Dibenzofuran	U	0.623	U	0.625	U	0.625	U	0.438	U	0.611
Fluorene	U	0.622	U	0.624	U	0.624	U	0.437	U	0.610
Phenanthrene	U	0.633	U	0.635	U	0.635	U	0.445	U	0.621
Anthracene	U	0.677	U	0.679	U	0.679	U	0.475	U	0.664
Carbazole	U	0.683	U	0.685	U	0.685	U	0.480	U	0.670
Fluoranthene	U	0.672	U	0.674	U	0.674	U	0.471	U	0.658
Pyrene	U	0.678	U	0.680	U	0.680	U	0.476	U	0.664
Benzo(a)anthracene	U	0.649	U	0.651	U	0.651	U	0.456	U	0.637
Chrysene	U	0.617	U	0.618	U	0.618	U	0.433	U	0.605
Benzo(b)fluoranthene	U	0.655	U	0.657	U	0.657	U	0.460	U	0.642
Benzo(k)fluoranthene	U	0.689	U	0.690	U	0.690	U	0.483	U	0.675
Benzo(e)pyrene	U	0.659	U	0.661	U	0.661	U	0.463	U	0.646
Benzo(a)pyrene	U	0.734	U	0.736	U	0.736	U	0.515	U	0.720
Indeno(1,2,3cd)pyrene	U	0.713	U	0.715	U	0.715	U	0.500	U	0.699
Dibenzo(a,h)anthracene	U	0.714	U	0.716	U	0.716	U	0.501	U	0.700
Benzo(g,h,i)perylene	U	0.689	U	0.691	U	0.691	U	0.484	U	0.675

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Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210017-11		R210017-12		R210017-13		R210017-14		R210017-15	
Sample Number	34001-0280		34001-0281		34001-0282		34001-0283		34001-0284	
Sampling Location	P0011		P0002		P0010		P0005		P0006	
Volume (L)	716		718		720		720		720	
Analyte	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³	Result µg / m³	RL µg / m³
Naphthalene	U	0.574	U	0.573	U	0.571	U	0.571	U	0.571
2Methylnaphthalene	U	0.609	U	0.607	U	0.605	U	0.605	U	0.605
1Methylnaphthalene	U	0.619	U	0.617	U	0.615	U	0.615	U	0.615
Biphenyl	U	0.601	U	0.599	U	0.597	U	0.597	U	0.597
2,6Dimethylnaphthalene	U	0.616	U	0.614	U	0.613	U	0.613	U	0.613
Acenaphthylene	U	0.646	U	0.644	U	0.642	U	0.642	U	0.642
Acenaphthene	U	0.616	U	0.614	U	0.612	U	0.612	U	0.612
Dibenzofuran	U	0.611	U	0.610	U	0.608	U	0.608	U	0.608
Fluorene	U	0.610	U	0.609	U	0.607	U	0.607	U	0.607
Phenanthrene	U	0.621	U	0.619	U	0.618	U	0.618	U	0.618
Anthracene	U	0.664	U	0.662	U	0.660	U	0.660	U	0.660
Carbazole	U	0.670	U	0.668	U	0.666	U	0.666	U	0.666
Fluoranthene	U	0.658	U	0.657	U	0.655	U	0.655	U	0.655
Pyrene	U	0.664	U	0.663	U	0.661	U	0.661	U	0.661
Benzo(a)anthracene	U	0.637	U	0.635	U	0.633	U	0.633	U	0.633
Chrysene	U	0.605	U	0.603	U	0.601	U	0.601	U	0.601
Benzo(b)fluoranthene	U	0.642	U	0.640	U	0.639	U	0.639	U	0.639
Benzo(k)fluoranthene	U	0.675	U	0.673	U	0.671	U	0.671	U	0.671
Benzo(e)pyrene	U	0.646	U	0.644	U	0.642	U	0.642	U	0.642
Benzo(a)pyrene	U	0.720	U	0.718	U	0.716	U	0.716	U	0.716
Indeno(1,2,3cd)pyrene	U	0.699	U	0.697	U	0.695	U	0.695	U	0.695
Dibenzo(a,h)anthracene	U	0.700	U	0.698	U	0.696	U	0.696	U	0.696
Benzo(g,h,i)perylene	U	0.675	U	0.674	U	0.672	U	0.672	U	0.672

Table 1.1 (cont) Results of the Analysis for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Method SERAS SOP# 1817

SERAS Sample Number	R210017-16		R210017-17	
Sample Number	34001-0285		34001-0286	
Sampling Location	P0003		Field Blank	
Volume (L)	720		0	
Analyte	Result µg / m³	RL µg / m³	Result total µg	RL total µg
Naphthalene	U	0.571	U	0.411
2Methylnaphthalene	U	0.605	U	0.436
1Methylnaphthalene	U	0.615	U	0.443
Biphenyl	U	0.597	U	0.430
2,6Dimethylnaphthalene	U	0.613	U	0.441
Acenaphthylene	U	0.642	U	0.462
Acenaphthene	U	0.612	U	0.441
Dibenzofuran	U	0.608	U	0.438
Fluorene	U	0.607	U	0.437
Phenanthrene	U	0.618	U	0.445
Anthracene	U	0.660	U	0.475
Carbazole	U	0.666	U	0.480
Fluoranthene	U	0.655	U	0.471
Pyrene	U	0.661	U	0.476
Benzo(a)anthracene	U	0.633	U	0.456
Chrysene	U	0.601	U	0.433
Benzo(b)fluoranthene	U	0.639	U	0.460
Benzo(k)fluoranthene	U	0.671	U	0.483
Benzo(e)pyrene	U	0.642	U	0.463
Benzo(a)pyrene	U	0.716	U	0.515
Indeno(1,2,3cd)pyrene	U	0.695	U	0.500
Dibenzo(a,h)anthracene	U	0.696	U	0.501
Benzo(g,h,i)perylene	U	0.672	U	0.484

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Table 2.1 Results of the BS/BSD Analysis (XAD Tube) for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Sample ID: BS/BSD #1 10/01/12
Matrix: XAD-2 Lot #5700

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	10.6	106	9.97	100	6	20	75-125
2-Methylnaphthalene	10.0	10.8	108	10.2	102	6	20	75-125
1-Methylnaphthalene	10.0	10.7	107	10.1	101	5	20	75-125
Biphenyl	10.0	10.2	102	9.33	93	9	20	75-125
2,6-Dimethylnaphthalene	10.0	10.3	103	9.62	96	7	20	75-125
Acenaphthylene	10.0	10.4	104	9.65	96	7	20	75-125
Acenaphthene	10.0	10.4	104	9.68	97	7	20	75-125
Dibenzofuran	10.0	10.5	105	9.76	98	7	20	75-125
Fluorene	10.0	10.5	105	9.73	97	7	20	75-125
Phenanthrene	10.0	10.7	107	9.91	99	8	20	75-125
Anthracene	10.0	10.7	107	10.0	100	7	20	75-125
Carbazole	10.0	10.7	107	9.96	100	7	20	75-125
Fluoranthene	10.0	11.1	111	10.4	104	7	20	75-125
Pyrene	10.0	11.2	112	10.5	105	6	20	75-125
Benzo(a)anthracene	10.0	10.4	104	9.88	99	5	20	75-125
Chrysene	10.0	10.5	105	9.88	99	6	20	75-125
Benzo(b)fluoranthene	10.0	11.8	118	9.96	100	17	20	75-125
Benzo(k)fluoranthene	10.0	9.31	93	9.98	100	7	20	75-125
Benzo(e)pyrene	10.0	10.4	104	9.89	99	5	20	75-125
Benzo(a)pyrene	10.0	10.4	104	9.84	98	6	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	9.96	100	9.29	93	7	20	75-125
Dibenzo(a,h)anthracene	10.0	9.84	98	9.19	92	7	20	75-125
Benzo(g,h,i)perylene	10.0	9.87	99	9.24	92	7	20	75-125

Sample ID: BS/BSD #2 10/02/12
Matrix: XAD-2 Lot #5700

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	10.5	105	10.1	101	4	20	75-125
2-Methylnaphthalene	10.0	10.9	109	10.5	105	4	20	75-125
1-Methylnaphthalene	10.0	10.8	108	10.3	103	5	20	75-125
Biphenyl	10.0	10.7	107	10.1	101	6	20	75-125
2,6-Dimethylnaphthalene	10.0	10.9	109	10.4	104	5	20	75-125
Acenaphthylene	10.0	11.2	112	10.5	105	6	20	75-125
Acenaphthene	10.0	10.8	108	10.3	103	5	20	75-125
Dibenzofuran	10.0	10.7	107	10.1	101	6	20	75-125
Fluorene	10.0	10.8	108	10.2	102	6	20	75-125
Phenanthrene	10.0	11.1	111	10.6	106	5	20	75-125
Anthracene	10.0	11.4	114	10.7	107	6	20	75-125
Carbazole	10.0	11.2	112	10.6	106	5	20	75-125
Fluoranthene	10.0	11.4	114	10.7	107	6	20	75-125
Pyrene	10.0	11.1	111	10.5	105	6	20	75-125
Benzo(a)anthracene	10.0	11.5	115	10.9	109	6	20	75-125
Chrysene	10.0	10.8	108	10.4	104	4	20	75-125
Benzo(b)fluoranthene	10.0	11.7	117	11.7	117	0	20	75-125
Benzo(k)fluoranthene	10.0	11.3	113	10.3	103	9	20	75-125
Benzo(e)pyrene	10.0	11.2	112	10.7	107	4	20	75-125
Benzo(a)pyrene	10.0	11.9	119	11.4	114	5	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	11.4	114	10.8	108	6	20	75-125
Dibenzo(a,h)anthracene	10.0	11.4	114	10.8	108	6	20	75-125
Benzo(g,h,i)perylene	10.0	11.1	111	10.5	105	5	20	75-125

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Table 2.1 (cont) Results of the BS/BSD Analysis (XAD Tube)for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Sample ID: BS/BSD #3 10/03/12
Matrix: XAD-2 Lot #5700

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	10.0	100	10.0	100	0	20	75-125
2-Methylnaphthalene	10.0	10.2	102	10.3	103	0	20	75-125
1-Methylnaphthalene	10.0	10.2	102	10.1	101	0	20	75-125
Biphenyl	10.0	10.1	101	10.1	101	0	20	75-125
2,6-Dimethylnaphthalene	10.0	10.2	102	10.2	102	0	20	75-125
Acenaphthylene	10.0	10.2	102	10.4	104	3	20	75-125
Acenaphthene	10.0	10.1	101	9.98	100	1	20	75-125
Dibenzofuran	10.0	9.93	99	9.98	100	0	20	75-125
Fluorene	10.0	9.92	99	9.92	99	0	20	75-125
Phenanthrene	10.0	10.5	105	10.4	104	2	20	75-125
Anthracene	10.0	10.6	106	10.6	106	0	20	75-125
Carbazole	10.0	10.4	104	10.3	103	2	20	75-125
Fluoranthene	10.0	10.5	105	10.2	102	2	20	75-125
Pyrene	10.0	10.4	104	10.2	102	1	20	75-125
Benzo(a)anthracene	10.0	10.6	106	10.3	103	2	20	75-125
Chrysene	10.0	10.2	102	10.2	102	0	20	75-125
Benzo(b)fluoranthene	10.0	11.3	113	10.5	105	8	20	75-125
Benzo(k)fluoranthene	10.0	10.0	100	10.9	109	9	20	75-125
Benzo(e)pyrene	10.0	10.4	104	10.5	105	0	20	75-125
Benzo(a)pyrene	10.0	10.9	109	10.9	109	0	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	10.4	104	10.1	101	3	20	75-125
Dibenzo(a,h)anthracene	10.0	10.3	103	10.1	101	3	20	75-125
Benzo(g,h,i)perylene	10.0	10.2	102	9.87	99	3	20	75-125

Sample ID: BS/BSD #4 10/05/12
Matrix: XAD-2 Lot #5700

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	10.2	102	9.96	100	2	20	75-125
2-Methylnaphthalene	10.0	10.4	104	9.99	100	4	20	75-125
1-Methylnaphthalene	10.0	10.4	104	9.95	100	4	20	75-125
Biphenyl	10.0	10.1	101	10.1	101	1	20	75-125
2,6-Dimethylnaphthalene	10.0	10.1	101	10.2	102	1	20	75-125
Acenaphthylene	10.0	10.1	101	10.1	101	0	20	75-125
Acenaphthene	10.0	10.0	100	9.94	99	1	20	75-125
Dibenzofuran	10.0	10.0	100	9.87	99	1	20	75-125
Fluorene	10.0	10.0	100	9.74	97	3	20	75-125
Phenanthrene	10.0	10.5	105	10.4	104	1	20	75-125
Anthracene	10.0	10.3	103	10.1	101	2	20	75-125
Carbazole	10.0	10.6	106	10.3	103	3	20	75-125
Fluoranthene	10.0	10.6	106	10.0	100	5	20	75-125
Pyrene	10.0	10.6	106	10.0	100	6	20	75-125
Benzo(a)anthracene	10.0	10.5	105	10.4	104	1	20	75-125
Chrysene	10.0	10.2	102	10.1	101	1	20	75-125
Benzo(b)fluoranthene	10.0	9.70	97	9.99	100	3	20	75-125
Benzo(k)fluoranthene	10.0	11.4	114	11.3	113	1	20	75-125
Benzo(e)pyrene	10.0	10.5	105	10.5	105	0	20	75-125
Benzo(a)pyrene	10.0	10.8	108	10.7	107	1	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	10.7	107	10.4	104	3	20	75-125
Dibenzo(a,h)anthracene	10.0	10.6	106	10.4	104	2	20	75-125
Benzo(g,h,i)perylene	10.0	10.5	105	10.3	103	2	20	75-125

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Table 2.1 (cont) Results of the BS/BSD Analysis (XAD Tube)for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Sample ID: BS/BSD #5 10/05/12
Matrix: XAD-2 Lot #5700

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	10.2	102	10.1	101	2	20	75-125
2-Methylnaphthalene	10.0	10.5	105	10.4	104	1	20	75-125
1-Methylnaphthalene	10.0	10.5	105	10.4	104	1	20	75-125
Biphenyl	10.0	10.0	100	9.99	100	0	20	75-125
2,6-Dimethylnaphthalene	10.0	10.1	101	10.1	101	0	20	75-125
Acenaphthylene	10.0	10.2	102	10.1	101	0	20	75-125
Acenaphthene	10.0	10.1	101	9.97	100	1	20	75-125
Dibenzofuran	10.0	10.1	101	10.0	100	1	20	75-125
Fluorene	10.0	10.1	101	10.1	101	1	20	75-125
Phenanthrene	10.0	10.6	106	10.6	106	0	20	75-125
Anthracene	10.0	10.5	105	10.4	104	1	20	75-125
Carbazole	10.0	10.7	107	10.7	107	0	20	75-125
Fluoranthene	10.0	11.0	110	10.8	108	2	20	75-125
Pyrene	10.0	10.8	108	10.8	108	1	20	75-125
Benzo(a)anthracene	10.0	10.6	106	10.5	105	1	20	75-125
Chrysene	10.0	10.2	102	10.1	101	1	20	75-125
Benzo(b)fluoranthene	10.0	10.1	101	10.2	102	1	20	75-125
Benzo(k)fluoranthene	10.0	11.6	116	11.6	116	0	20	75-125
Benzo(e)pyrene	10.0	10.6	106	10.6	106	0	20	75-125
Benzo(a)pyrene	10.0	10.9	109	10.8	108	1	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	10.1	101	9.91	99	1	20	75-125
Dibenzo(a,h)anthracene	10.0	10.0	100	9.89	99	1	20	75-125
Benzo(g,h,i)perylene	10.0	9.81	98	9.66	97	2	20	75-125

Sample ID: BS/BSD #6 10/06/12
Matrix: XAD-2 Lot #5700

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	10.1	101	10.1	101	0	20	75-125
2-Methylnaphthalene	10.0	10.3	103	10.3	103	0	20	75-125
1-Methylnaphthalene	10.0	10.3	103	10.2	102	1	20	75-125
Biphenyl	10.0	10.2	102	10.1	101	1	20	75-125
2,6-Dimethylnaphthalene	10.0	10.1	101	10.2	102	1	20	75-125
Acenaphthylene	10.0	9.90	99	9.99	100	1	20	75-125
Acenaphthene	10.0	9.98	100	9.97	100	0	20	75-125
Dibenzofuran	10.0	10.2	102	10.0	100	1	20	75-125
Fluorene	10.0	10.1	101	9.99	100	1	20	75-125
Phenanthrene	10.0	10.5	105	10.4	104	1	20	75-125
Anthracene	10.0	10.1	101	9.94	99	1	20	75-125
Carbazole	10.0	10.5	105	10.3	103	2	20	75-125
Fluoranthene	10.0	10.5	105	10.4	104	2	20	75-125
Pyrene	10.0	10.6	106	10.3	103	4	20	75-125
Benzo(a)anthracene	10.0	10.3	103	10.2	102	1	20	75-125
Chrysene	10.0	10.2	102	10.2	102	0	20	75-125
Benzo(b)fluoranthene	10.0	9.99	100	11.2	112	11	20	75-125
Benzo(k)fluoranthene	10.0	11.3	113	10.3	103	10	20	75-125
Benzo(e)pyrene	10.0	10.6	106	10.6	106	0	20	75-125
Benzo(a)pyrene	10.0	10.7	107	10.7	107	0	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	10.6	106	10.3	103	3	20	75-125
Dibenzo(a,h)anthracene	10.0	10.6	106	10.3	103	3	20	75-125
Benzo(g,h,i)perylene	10.0	10.5	105	10.2	102	3	20	75-125

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Table 2.1 (cont) Results of the BS/BSD Analysis (XAD Tube)for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Sample ID: BS/BSD #7 10/07/12
Matrix: XAD-2 Lot #5700

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	10.8	108	10.7	107	0	20	75-125
2-Methylnaphthalene	10.0	10.8	108	10.8	108	0	20	75-125
1-Methylnaphthalene	10.0	10.8	108	10.7	107	1	20	75-125
Biphenyl	10.0	10.7	107	11.2	112	5	20	75-125
2,6-Dimethylnaphthalene	10.0	10.8	108	11.1	111	3	20	75-125
Acenaphthylene	10.0	10.6	106	11.0	110	4	20	75-125
Acenaphthene	10.0	10.7	107	10.9	109	2	20	75-125
Dibenzofuran	10.0	10.6	106	10.8	108	2	20	75-125
Fluorene	10.0	10.4	104	10.5	105	0	20	75-125
Phenanthrene	10.0	11.1	111	11.3	113	2	20	75-125
Anthracene	10.0	11.1	111	11.2	112	1	20	75-125
Carbazole	10.0	11.0	110	11.2	112	2	20	75-125
Fluoranthene	10.0	10.9	109	10.8	108	1	20	75-125
Pyrene	10.0	10.8	108	10.9	109	0	20	75-125
Benzo(a)anthracene	10.0	11.2	112	11.1	111	1	20	75-125
Chrysene	10.0	11.0	110	11.2	112	2	20	75-125
Benzo(b)fluoranthene	10.0	10.9	109	11.1	111	2	20	75-125
Benzo(k)fluoranthene	10.0	12.2	122	11.8	118	3	20	75-125
Benzo(e)pyrene	10.0	11.4	114	11.5	115	1	20	75-125
Benzo(a)pyrene	10.0	11.6	116	11.7	117	1	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	11.3	113	11.7	117	3	20	75-125
Dibenzo(a,h)anthracene	10.0	11.3	113	11.7	117	3	20	75-125
Benzo(g,h,i)perylene	10.0	11.2	112	11.6	116	4	20	75-125

Sample ID; BS/BSD #8 10/09/12
Matrix: XAD-2 Lot #5700

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	10.4	104	10.8	108	3	20	75-125
2-Methylnaphthalene	10.0	10.7	107	10.7	107	0	20	75-125
1-Methylnaphthalene	10.0	10.7	107	10.6	106	1	20	75-125
Biphenyl	10.0	10.3	103	11.0	110	6	20	75-125
2,6-Dimethylnaphthalene	10.0	10.4	104	11.1	111	6	20	75-125
Acenaphthylene	10.0	10.7	107	11.1	111	4	20	75-125
Acenaphthene	10.0	10.5	105	10.8	108	3	20	75-125
Dibenzofuran	10.0	10.5	105	10.7	107	2	20	75-125
Fluorene	10.0	10.5	105	10.5	105	0	20	75-125
Phenanthrene	10.0	10.9	109	11.3	113	4	20	75-125
Anthracene	10.0	10.9	109	11.2	112	3	20	75-125
Carbazole	10.0	11.2	112	11.0	110	2	20	75-125
Fluoranthene	10.0	11.3	113	10.9	109	4	20	75-125
Pyrene	10.0	11.5	115	10.9	109	5	20	75-125
Benzo(a)anthracene	10.0	10.9	109	11.2	112	3	20	75-125
Chrysene	10.0	10.5	105	11.1	111	5	20	75-125
Benzo(b)fluoranthene	10.0	10.3	103	11.4	114	10	20	75-125
Benzo(k)fluoranthene	10.0	11.7	117	11.5	115	1	20	75-125
Benzo(e)pyrene	10.0	10.9	109	11.2	112	3	20	75-125
Benzo(a)pyrene	10.0	11.3	113	11.5	115	2	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	10.8	108	11.3	113	4	20	75-125
Dibenzo(a,h)anthracene	10.0	10.7	107	11.3	113	5	20	75-125
Benzo(g,h,i)perylene	10.0	10.6	106	11.1	111	5	20	75-125

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Table 2.1 (cont) Results of the BS/BSD Analysis (XAD Tube)for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Sample ID: BS/BSD #9 10/10/12
Matrix: XAD-2 Lot #5700

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	11.5	115	11.8	118	3	20	75-125
2-Methylnaphthalene	10.0	11.5	115	11.9	119	3	20	75-125
1-Methylnaphthalene	10.0	11.4	114	11.9	119	4	20	75-125
Biphenyl	10.0	11.7	117	11.9	119	2	20	75-125
2,6-Dimethylnaphthalene	10.0	11.9	119	12.1	121	2	20	75-125
Acenaphthylene	10.0	11.9	119	12.0	120	1	20	75-125
Acenaphthene	10.0	11.5	115	11.9	119	3	20	75-125
Dibenzofuran	10.0	11.3	113	11.7	117	3	20	75-125
Fluorene	10.0	11.2	112	11.5	115	2	20	75-125
Phenanthrene	10.0	12.0	120	12.4	124	4	20	75-125
Anthracene	10.0	11.9	119	12.5	125	5	20	75-125
Carbazole	10.0	11.5	115	12.2	122	6	20	75-125
Fluoranthene	10.0	11.3	113	12.0	120	6	20	75-125
Pyrene	10.0	11.0	110	11.9	119	8	20	75-125
Benzo(a)anthracene	10.0	11.9	119	12.2	122	3	20	75-125
Chrysene	10.0	11.8	118	12.3	123	4	20	75-125
Benzo(b)fluoranthene	10.0	12.0	120	12.4	124	3	20	75-125
Benzo(k)fluoranthene	10.0	12.7	127 *	13.4	134 *	5	20	75-125
Benzo(e)pyrene	10.0	12.1	121	12.7	127 *	5	20	75-125
Benzo(a)pyrene	10.0	12.3	123	13.0	130 *	6	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	12.4	124	12.8	128 *	4	20	75-125
Dibenzo(a,h)anthracene	10.0	12.5	125	12.8	128 *	3	20	75-125
Benzo(g,h,i)perylene	10.0	12.3	123	13.0	130 *	5	20	75-125

Sample ID: BS/BSD #10 10/11/12
Matrix: XAD-2 Lot #5700

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	12.0	120	11.8	118	2	20	75-125
2-Methylnaphthalene	10.0	12.2	122	11.9	119	2	20	75-125
1-Methylnaphthalene	10.0	12.0	120	11.7	117	3	20	75-125
Biphenyl	10.0	12.4	124	12.2	122	2	20	75-125
2,6-Dimethylnaphthalene	10.0	12.7	127 *	12.4	124	2	20	75-125
Acenaphthylene	10.0	12.4	124	12.1	121	3	20	75-125
Acenaphthene	10.0	12.2	122	11.9	119	2	20	75-125
Dibenzofuran	10.0	11.9	119	11.8	118	1	20	75-125
Fluorene	10.0	11.7	117	11.6	116	1	20	75-125
Phenanthrene	10.0	12.6	126 *	12.6	126 *	0	20	75-125
Anthracene	10.0	12.7	127 *	12.5	125	1	20	75-125
Carbazole	10.0	12.1	121	12.3	123	1	20	75-125
Fluoranthene	10.0	11.9	119	11.8	118	0	20	75-125
Pyrene	10.0	11.7	117	11.7	117	0	20	75-125
Benzo(a)anthracene	10.0	12.5	125	12.3	123	1	20	75-125
Chrysene	10.0	12.3	123	12.3	123	0	20	75-125
Benzo(b)fluoranthene	10.0	12.9	129 *	12.5	125	3	20	75-125
Benzo(k)fluoranthene	10.0	13.0	130 *	13.1	131 *	0	20	75-125
Benzo(e)pyrene	10.0	12.7	127 *	12.6	126 *	1	20	75-125
Benzo(a)pyrene	10.0	12.9	129 *	12.9	129 *	0	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	12.7	127 *	12.9	129 *	1	20	75-125
Dibenzo(a,h)anthracene	10.0	12.8	128 *	13.0	130 *	1	20	75-125
Benzo(g,h,i)perylene	10.0	12.7	127 *	12.8	128 *	1	20	75-125

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Table 2.1 (cont) Results of the BS/BSD Analysis (XAD Tube)for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Sample ID: BS/BSD #11 10/12/12
Matrix: XAD-2 Lot #5700

Analyte	Spike Added µg	BS Recovered µg	% Recovery		BSD Recovered µg	% Recovery		RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	12.1	121		12.0	120		1	20	75-125
2-Methylnaphthalene	10.0	12.0	120		12.1	121		0	20	75-125
1-Methylnaphthalene	10.0	12.0	120		11.9	119		1	20	75-125
Biphenyl	10.0	12.4	124		12.0	120		3	20	75-125
2,6-Dimethylnaphthalene	10.0	12.5	125		12.3	123		2	20	75-125
Acenaphthylene	10.0	12.2	122		12.2	122		0	20	75-125
Acenaphthene	10.0	12.1	121		11.9	119		1	20	75-125
Dibenzofuran	10.0	12.0	120		11.8	118		2	20	75-125
Fluorene	10.0	11.7	117		11.6	116		1	20	75-125
Phenanthrene	10.0	12.8	128	*	12.5	125		2	20	75-125
Anthracene	10.0	12.5	125		12.4	124		1	20	75-125
Carbazole	10.0	12.3	123		12.3	123		0	20	75-125
Fluoranthene	10.0	12.2	122		12.1	121		1	20	75-125
Pyrene	10.0	12.0	120		11.9	119		1	20	75-125
Benzo(a)anthracene	10.0	12.4	124		12.3	123		1	20	75-125
Chrysene	10.0	12.2	122		12.3	123		1	20	75-125
Benzo(b)fluoranthene	10.0	13.2	132	*	12.0	120		10	20	75-125
Benzo(k)fluoranthene	10.0	12.6	126	*	13.8	138	*	9	20	75-125
Benzo(e)pyrene	10.0	12.7	127	*	12.7	127	*	1	20	75-125
Benzo(a)pyrene	10.0	12.8	128	*	12.9	129	*	1	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	12.6	126	*	12.6	126	*	0	20	75-125
Dibenzo(a,h)anthracene	10.0	12.7	127	*	12.8	128	*	0	20	75-125
Benzo(g,h,i)perylene	10.0	12.6	126	*	12.6	126	*	0	20	75-125

Sample ID: BS/BSD #12 10/14/12
Matrix: XAD-2 Lot #5700

Analyte	Spike Added µg	BS Recovered µg	% Recovery		BSD Recovered µg	% Recovery		RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	9.33	93		8.57	86		8	20	75-125
2-Methylnaphthalene	10.0	9.78	98		10.2	102		4	20	75-125
1-Methylnaphthalene	10.0	9.81	98		8.92	89		10	20	75-125
Biphenyl	10.0	8.19	82		8.42	84		3	20	75-125
2,6-Dimethylnaphthalene	10.0	8.35	84		8.50	85		2	20	75-125
Acenaphthylene	10.0	8.80	88		8.82	88		0	20	75-125
Acenaphthene	10.0	9.39	94		9.74	97		4	20	75-125
Dibenzofuran	10.0	9.22	92		8.59	86		7	20	75-125
Fluorene	10.0	8.42	84		11.2	112		28	* 20	75-125
Phenanthrene	10.0	9.81	98		9.88	99		1	20	75-125
Anthracene	10.0	10.1	101		10.0	100		0	20	75-125
Carbazole	10.0	11.4	114		10.2	102		11	20	75-125
Fluoranthene	10.0	10.1	101		12.0	120		18	20	75-125
Pyrene	10.0	11.3	113		10.1	101		11	20	75-125
Benzo(a)anthracene	10.0	10.6	106		10.3	103		3	20	75-125
Chrysene	10.0	11.1	111		9.98	100		11	20	75-125
Benzo(b)fluoranthene	10.0	10.2	102		8.86	89		14	20	75-125
Benzo(k)fluoranthene	10.0	9.92	99		7.97	80		22	* 20	75-125
Benzo(e)pyrene	10.0	9.85	99		10.3	103		4	20	75-125
Benzo(a)pyrene	10.0	10.1	101		10.5	105		3	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	8.81	88		8.40	84		5	20	75-125
Dibenzo(a,h)anthracene	10.0	8.73	87		8.22	82		6	20	75-125
Benzo(g,h,i)perylene	10.0	8.90	89		8.48	85		5	20	75-125

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Table 2.1 (cont) Results of the BS/BSD Analysis (XAD Tube)for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Sample ID: BS/BSD #13 10/16/12
Matrix: XAD-2 Lot #5700

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	10.2	102	9.62	96	5	20	75-125
2-Methylnaphthalene	10.0	10.4	104	9.85	98	5	20	75-125
1-Methylnaphthalene	10.0	10.2	102	10.7	107	4	20	75-125
Biphenyl	10.0	10.5	105	9.98	100	5	20	75-125
2,6-Dimethylnaphthalene	10.0	10.6	106	10.3	103	4	20	75-125
Acenaphthylene	10.0	10.9	109	10.5	105	3	20	75-125
Acenaphthene	10.0	10.1	101	9.77	98	4	20	75-125
Dibenzofuran	10.0	10.1	101	9.57	96	5	20	75-125
Fluorene	10.0	10.1	101	12.2	122	19	20	75-125
Phenanthrene	10.0	10.7	107	10.1	101	6	20	75-125
Anthracene	10.0	11.2	112	10.3	103	8	20	75-125
Carbazole	10.0	10.5	105	10.2	102	3	20	75-125
Fluoranthene	10.0	11.4	114	9.47	95	18	20	75-125
Pyrene	10.0	9.88	99	9.87	99	0	20	75-125
Benzo(a)anthracene	10.0	11.5	115	10.8	108	7	20	75-125
Chrysene	10.0	11.3	113	9.99	100	12	20	75-125
Benzo(b)fluoranthene	10.0	10.5	105	9.49	95	10	20	75-125
Benzo(k)fluoranthene	10.0	11.9	119	9.13	91	26	20	75-125
Benzo(e)pyrene	10.0	11.0	110	9.07	91	19	20	75-125
Benzo(a)pyrene	10.0	11.6	116	9.48	95	20	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	11.3	113	9.29	93	19	20	75-125
Dibenzo(a,h)anthracene	10.0	11.4	114	9.42	94	19	20	75-125
Benzo(g,h,i)perylene	10.0	11.2	112	9.38	94	18	20	75-125

Sample ID: BS/BSD #14 10/18/12
Matrix: XAD-2 Lot #5700

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	10.2	102	9.76	98	5	20	75-125
2-Methylnaphthalene	10.0	10.4	104	9.92	99	5	20	75-125
1-Methylnaphthalene	10.0	10.2	102	9.79	98	4	20	75-125
Biphenyl	10.0	10.4	104	10.0	100	3	20	75-125
2,6-Dimethylnaphthalene	10.0	10.6	106	10.1	101	5	20	75-125
Acenaphthylene	10.0	10.4	104	10.1	101	3	20	75-125
Acenaphthene	10.0	10.1	101	9.75	97	3	20	75-125
Dibenzofuran	10.0	10.0	100	9.62	96	4	20	75-125
Fluorene	10.0	10.1	101	9.68	97	5	20	75-125
Phenanthrene	10.0	10.6	106	10.1	101	5	20	75-125
Anthracene	10.0	10.7	107	10.1	101	6	20	75-125
Carbazole	10.0	9.94	99	9.48	95	5	20	75-125
Fluoranthene	10.0	10.1	101	9.47	95	6	20	75-125
Pyrene	10.0	9.82	98	9.25	93	6	20	75-125
Benzo(a)anthracene	10.0	10.8	108	10.2	102	5	20	75-125
Chrysene	10.0	10.6	106	10.1	101	5	20	75-125
Benzo(b)fluoranthene	10.0	10.0	100	11.1	111	10	20	75-125
Benzo(k)fluoranthene	10.0	12.0	120	10.0	100	18	20	75-125
Benzo(e)pyrene	10.0	10.9	109	10.4	104	5	20	75-125
Benzo(a)pyrene	10.0	10.9	109	10.4	104	4	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	10.4	104	9.97	100	4	20	75-125
Dibenzo(a,h)anthracene	10.0	10.5	105	10.1	101	4	20	75-125
Benzo(g,h,i)perylene	10.0	10.6	106	11.4	114	8	20	75-125

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Table 2.1 (cont) Results of the BS/BSD Analysis (XAD Tube)for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Sample ID: BS/BSD #15 10/19/12
Matrix: XAD-2 Lot #5700

Analyte	Spike Added µg	BS Recovered µg	% Recovery		BSD Recovered µg	% Recovery		RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	12.2	122		11.9	119		2	20	75-125
2-Methylnaphthalene	10.0	12.2	122		12.1	121		1	20	75-125
1-Methylnaphthalene	10.0	12.2	122		11.9	119		2	20	75-125
Biphenyl	10.0	12.5	125		12.6	126	*	0	20	75-125
2,6-Dimethylnaphthalene	10.0	13.0	130	*	12.8	128	*	1	20	75-125
Acenaphthylene	10.0	12.9	129	*	12.7	127	*	2	20	75-125
Acenaphthene	10.0	12.2	122		12.2	122		0	20	75-125
Dibenzofuran	10.0	12.1	121		11.9	119		1	20	75-125
Fluorene	10.0	12.2	122		11.9	119		2	20	75-125
Phenanthrene	10.0	12.9	129	*	12.7	127	*	2	20	75-125
Anthracene	10.0	13.1	131	*	12.9	129	*	2	20	75-125
Carbazole	10.0	12.5	125		12.6	126	*	0	20	75-125
Fluoranthene	10.0	12.1	121		11.9	119		2	20	75-125
Pyrene	10.0	11.8	118		11.7	117		1	20	75-125
Benzo(a)anthracene	10.0	13.2	132	*	12.9	129	*	2	20	75-125
Chrysene	10.0	12.9	129	*	12.6	126	*	2	20	75-125
Benzo(b)fluoranthene	10.0	13.5	135	*	13.4	134	*	1	20	75-125
Benzo(k)fluoranthene	10.0	13.4	134	*	13.2	132	*	2	20	75-125
Benzo(e)pyrene	10.0	13.2	132	*	13.1	131	*	1	20	75-125
Benzo(a)pyrene	10.0	13.3	133	*	13.2	132	*	1	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	13.3	133	*	13.1	131	*	1	20	75-125
Dibenzo(a,h)anthracene	10.0	13.4	134	*	13.2	132	*	1	20	75-125
Benzo(g,h,i)perylene	10.0	13.5	135	*	13.3	133	*	1	20	75-125

Sample ID: BS/BSD #16 10/20/12
Matrix: XAD-2 Lot #5700

Analyte	Spike Added µg	BS Recovered µg	% Recovery		BSD Recovered µg	% Recovery		RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	11.8	118		10.9	109		8	20	75-125
2-Methylnaphthalene	10.0	12.1	121		11.1	111		9	20	75-125
1-Methylnaphthalene	10.0	11.9	119		11.1	111		7	20	75-125
Biphenyl	10.0	12.3	123		11.2	112		9	20	75-125
2,6-Dimethylnaphthalene	10.0	12.6	126	*	11.4	114		10	20	75-125
Acenaphthylene	10.0	12.3	123		11.2	112		9	20	75-125
Acenaphthene	10.0	12.0	120		11.0	110		9	20	75-125
Dibenzofuran	10.0	11.9	119		10.8	108		9	20	75-125
Fluorene	10.0	11.9	119		10.9	109		9	20	75-125
Phenanthrene	10.0	12.5	125	*	11.4	114		9	20	75-125
Anthracene	10.0	13.1	131	*	11.9	119		9	20	75-125
Carbazole	10.0	12.1	121		11.2	112		8	20	75-125
Fluoranthene	10.0	11.8	118		10.7	107		10	20	75-125
Pyrene	10.0	11.5	115		10.6	106		9	20	75-125
Benzo(a)anthracene	10.0	12.6	126	*	11.6	116		8	20	75-125
Chrysene	10.0	12.8	128	*	11.7	117		8	20	75-125
Benzo(b)fluoranthene	10.0	11.9	119		11.5	115		3	20	75-125
Benzo(k)fluoranthene	10.0	14.3	143	*	12.8	128	*	11	20	75-125
Benzo(e)pyrene	10.0	13.0	130	*	12.0	120		8	20	75-125
Benzo(a)pyrene	10.0	12.9	129	*	11.9	119		8	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	12.9	129	*	12.0	120		7	20	75-125
Dibenzo(a,h)anthracene	10.0	13.1	131	*	12.1	121		8	20	75-125
Benzo(g,h,i)perylene	10.0	13.2	132	*	12.3	123		7	20	75-125

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Table 2.2 Results of the BS/BSD Analysis (Filters) for Polynuclear Aromatic Hydrocarbons In Air
WA # SERAS 193 Hillcrest Recycling

Sample ID: BS/BSD #1 10/01/12
Matrix: PFTE Cassette Filters: Lot #12468-7DC-145

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	8.86	89	8.74	87	1	20	75-125
2-Methylnaphthalene	10.0	9.16	92	8.94	89	2	20	75-125
1-Methylnaphthalene	10.0	9.18	92	9.01	90	2	20	75-125
Biphenyl	10.0	8.78	88	8.79	88	0	20	75-125
2,6-Dimethylnaphthalene	10.0	8.75	88	8.86	89	1	20	75-125
Acenaphthylene	10.0	8.88	89	9.00	90	1	20	75-125
Acenaphthene	10.0	8.68	87	8.86	89	2	20	75-125
Dibenzofuran	10.0	8.78	88	8.87	89	1	20	75-125
Fluorene	10.0	8.84	88	8.91	89	1	20	75-125
Phenanthrene	10.0	8.99	90	9.05	90	1	20	75-125
Anthracene	10.0	9.03	90	9.10	91	1	20	75-125
Carbazole	10.0	9.14	91	9.20	92	1	20	75-125
Fluoranthene	10.0	9.38	94	9.43	94	1	20	75-125
Pyrene	10.0	9.57	96	9.68	97	1	20	75-125
Benzo(a)anthracene	10.0	8.68	87	8.95	90	3	20	75-125
Chrysene	10.0	8.67	87	8.68	87	0	20	75-125
Benzo(b)fluoranthene	10.0	9.26	93	8.65	87	7	20	75-125
Benzo(k)fluoranthene	10.0	8.69	87	9.38	94	8	20	75-125
Benzo(e)pyrene	10.0	8.91	89	8.91	89	0	20	75-125
Benzo(a)pyrene	10.0	9.25	92	9.20	92	0	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	8.95	90	8.66	87	3	20	75-125
Dibenzo(a,h)anthracene	10.0	8.91	89	8.60	86	4	20	75-125
Benzo(g,h,i)perylene	10.0	8.77	88	8.46	85	4	20	75-125

Sample ID: BS/BSD #2 10/02/12
Matrix: PFTE Cassette Filters: Lot #12468-7DC-145

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	8.77	88	8.83	88	1	20	75-125
2-Methylnaphthalene	10.0	8.96	90	9.05	90	1	20	75-125
1-Methylnaphthalene	10.0	9.04	90	9.11	91	1	20	75-125
Biphenyl	10.0	8.97	90	8.78	88	2	20	75-125
2,6-Dimethylnaphthalene	10.0	8.92	89	8.94	89	0	20	75-125
Acenaphthylene	10.0	9.11	91	8.93	89	2	20	75-125
Acenaphthene	10.0	8.88	89	8.76	88	1	20	75-125
Dibenzofuran	10.0	8.97	90	8.86	89	1	20	75-125
Fluorene	10.0	8.91	89	8.86	89	1	20	75-125
Phenanthrene	10.0	8.97	90	8.96	90	0	20	75-125
Anthracene	10.0	9.08	91	9.10	91	0	20	75-125
Carbazole	10.0	9.16	92	9.36	94	2	20	75-125
Fluoranthene	10.0	9.29	93	9.48	95	2	20	75-125
Pyrene	10.0	9.51	95	9.60	96	1	20	75-125
Benzo(a)anthracene	10.0	8.99	90	8.94	89	1	20	75-125
Chrysene	10.0	8.62	86	8.54	85	1	20	75-125
Benzo(b)fluoranthene	10.0	8.58	86	8.92	89	4	20	75-125
Benzo(k)fluoranthene	10.0	9.75	97	9.23	92	5	20	75-125
Benzo(e)pyrene	10.0	8.94	89	8.97	90	0	20	75-125
Benzo(a)pyrene	10.0	9.26	93	9.28	93	0	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	8.59	86	8.72	87	1	20	75-125
Dibenzo(a,h)anthracene	10.0	8.54	85	8.66	87	1	20	75-125
Benzo(g,h,i)perylene	10.0	8.40	84	8.51	85	1	20	75-125

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Table 2.2 (cont) Results of the BS/BSD Analysis (Filters) for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Sample ID: BS/BSD #3 10/03/12
Matrix: PFTE Cassette Filters: Lot #12468-7DC-145

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	8.53	85	8.70	87	2	20	75-125
2-Methylnaphthalene	10.0	8.79	88	9.06	91	3	20	75-125
1-Methylnaphthalene	10.0	8.89	89	9.03	90	2	20	75-125
Biphenyl	10.0	8.64	86	8.87	89	3	20	75-125
2,6-Dimethylnaphthalene	10.0	8.66	87	8.82	88	2	20	75-125
Acenaphthylene	10.0	8.75	88	8.95	90	2	20	75-125
Acenaphthene	10.0	8.54	85	8.72	87	2	20	75-125
Dibenzofuran	10.0	8.67	87	8.84	88	2	20	75-125
Fluorene	10.0	8.63	86	8.81	88	2	20	75-125
Phenanthrene	10.0	8.89	89	9.00	90	1	20	75-125
Anthracene	10.0	9.04	90	9.10	91	1	20	75-125
Carbazole	10.0	9.21	92	9.31	93	1	20	75-125
Fluoranthene	10.0	9.31	93	9.34	93	0	20	75-125
Pyrene	10.0	9.45	95	9.66	97	2	20	75-125
Benzo(a)anthracene	10.0	8.83	88	8.92	89	1	20	75-125
Chrysene	10.0	8.61	86	8.75	88	2	20	75-125
Benzo(b)fluoranthene	10.0	8.91	89	9.60	96	7	20	75-125
Benzo(k)fluoranthene	10.0	9.04	90	8.58	86	5	20	75-125
Benzo(e)pyrene	10.0	8.83	88	8.99	90	2	20	75-125
Benzo(a)pyrene	10.0	9.13	91	9.33	93	2	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	8.39	84	8.86	89	5	20	75-125
Dibenzo(a,h)anthracene	10.0	8.32	83	8.77	88	5	20	75-125
Benzo(g,h,i)perylene	10.0	8.17	82	8.71	87	6	20	75-125

Sample ID: BS/BSD #4 10/05/12
Matrix: PFTE Cassette Filters: Lot #12468-7DC-145

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	8.61	86	8.81	88	2	20	75-125
2-Methylnaphthalene	10.0	8.79	88	8.94	89	2	20	75-125
1-Methylnaphthalene	10.0	8.90	89	8.91	89	0	20	75-125
Biphenyl	10.0	8.87	89	8.92	89	1	20	75-125
2,6-Dimethylnaphthalene	10.0	8.82	88	8.92	89	1	20	75-125
Acenaphthylene	10.0	8.65	86	8.81	88	2	20	75-125
Acenaphthene	10.0	8.60	86	8.67	87	1	20	75-125
Dibenzofuran	10.0	8.71	87	8.74	87	0	20	75-125
Fluorene	10.0	8.62	86	8.69	87	1	20	75-125
Phenanthrene	10.0	8.90	89	8.95	89	1	20	75-125
Anthracene	10.0	8.72	87	8.80	88	1	20	75-125
Carbazole	10.0	9.01	90	9.17	92	2	20	75-125
Fluoranthene	10.0	8.95	90	9.05	90	1	20	75-125
Pyrene	10.0	9.21	92	9.20	92	0	20	75-125
Benzo(a)anthracene	10.0	8.55	86	8.92	89	4	20	75-125
Chrysene	10.0	8.69	87	8.92	89	3	20	75-125
Benzo(b)fluoranthene	10.0	8.45	84	9.18	92	8	20	75-125
Benzo(k)fluoranthene	10.0	9.45	95	9.04	90	4	20	75-125
Benzo(e)pyrene	10.0	8.84	88	9.07	91	3	20	75-125
Benzo(a)pyrene	10.0	8.99	90	9.25	92	3	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	8.52	85	9.03	90	6	20	75-125
Dibenzo(a,h)anthracene	10.0	8.47	85	9.01	90	6	20	75-125
Benzo(g,h,i)perylene	10.0	8.42	84	8.96	90	6	20	75-125

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Table 2.2 (cont) Results of the BS/BSD Analysis (Filters) for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Sample ID: BS/BSD #5 10/05/12
Matrix: PFTE Cassette Filters: Lot #12468-7DC-145

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	8.68	87	8.92	89	3	20	75-125
2-Methylnaphthalene	10.0	9.03	90	9.30	93	3	20	75-125
1-Methylnaphthalene	10.0	9.12	91	9.41	94	3	20	75-125
Biphenyl	10.0	8.64	86	8.74	87	1	20	75-125
2,6-Dimethylnaphthalene	10.0	8.68	87	8.86	89	2	20	75-125
Acenaphthylene	10.0	8.80	88	8.89	89	1	20	75-125
Acenaphthene	10.0	8.61	86	8.82	88	2	20	75-125
Dibenzofuran	10.0	8.81	88	8.99	90	2	20	75-125
Fluorene	10.0	8.81	88	9.06	91	3	20	75-125
Phenanthrene	10.0	8.90	89	9.18	92	3	20	75-125
Anthracene	10.0	8.79	88	8.99	90	2	20	75-125
Carbazole	10.0	9.31	93	9.56	96	3	20	75-125
Fluoranthene	10.0	9.53	95	9.87	99	4	20	75-125
Pyrene	10.0	9.73	97	10.1	101	4	20	75-125
Benzo(a)anthracene	10.0	8.66	87	9.02	90	4	20	75-125
Chrysene	10.0	8.78	88	8.97	90	2	20	75-125
Benzo(b)fluoranthene	10.0	8.61	86	9.20	92	7	20	75-125
Benzo(k)fluoranthene	10.0	9.56	96	9.34	93	2	20	75-125
Benzo(e)pyrene	10.0	8.89	89	9.14	91	3	20	75-125
Benzo(a)pyrene	10.0	9.11	91	9.34	93	2	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	8.22	82	8.54	85	4	20	75-125
Dibenzo(a,h)anthracene	10.0	8.12	81	8.42	84	4	20	75-125
Benzo(g,h,i)perylene	10.0	7.99	80	8.29	83	4	20	75-125

Sample ID: BS/BSD #6 10/06/12
Matrix: PFTE Cassette Filters: Lot #12468-7DC-145

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	8.56	86	8.67	87	1	20	75-125
2-Methylnaphthalene	10.0	8.71	87	8.76	88	1	20	75-125
1-Methylnaphthalene	10.0	8.87	89	8.94	89	1	20	75-125
Biphenyl	10.0	8.58	86	9.00	90	5	20	75-125
2,6-Dimethylnaphthalene	10.0	8.57	86	9.03	90	5	20	75-125
Acenaphthylene	10.0	8.52	85	8.65	87	2	20	75-125
Acenaphthene	10.0	8.49	85	8.70	87	2	20	75-125
Dibenzofuran	10.0	8.67	87	8.84	88	2	20	75-125
Fluorene	10.0	8.56	86	8.76	88	2	20	75-125
Phenanthrene	10.0	8.82	88	9.04	90	2	20	75-125
Anthracene	10.0	8.44	84	8.54	85	1	20	75-125
Carbazole	10.0	9.12	91	9.13	91	0	20	75-125
Fluoranthene	10.0	9.15	91	8.95	89	2	20	75-125
Pyrene	10.0	9.36	94	9.11	91	3	20	75-125
Benzo(a)anthracene	10.0	8.58	86	8.67	87	1	20	75-125
Chrysene	10.0	8.67	87	8.91	89	3	20	75-125
Benzo(b)fluoranthene	10.0	7.93	79	9.40	94	17	20	75-125
Benzo(k)fluoranthene	10.0	10.0	100	8.95	89	11	20	75-125
Benzo(e)pyrene	10.0	8.89	89	9.17	92	3	20	75-125
Benzo(a)pyrene	10.0	8.87	89	9.09	91	3	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	8.36	84	8.87	89	6	20	75-125
Dibenzo(a,h)anthracene	10.0	8.28	83	8.85	88	7	20	75-125
Benzo(g,h,i)perylene	10.0	8.25	83	8.84	88	7	20	75-125

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Table 2.2 (cont) Results of the BS/BSD Analysis (Filters) for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Sample ID: BS/BSD #7 10/07/12
Matrix: PFTE Cassette Filters: Lot #12468-7DC-145

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	8.92	89	9.18	92	3	20	75-125
2-Methylnaphthalene	10.0	9.08	91	9.10	91	0	20	75-125
1-Methylnaphthalene	10.0	9.17	92	9.21	92	0	20	75-125
Biphenyl	10.0	9.07	91	9.38	94	3	20	75-125
2,6-Dimethylnaphthalene	10.0	9.05	90	9.39	94	4	20	75-125
Acenaphthylene	10.0	9.06	91	9.17	92	1	20	75-125
Acenaphthene	10.0	8.90	89	9.13	91	3	20	75-125
Dibenzofuran	10.0	9.03	90	9.20	92	2	20	75-125
Fluorene	10.0	9.04	90	9.09	91	1	20	75-125
Phenanthrene	10.0	9.10	91	9.38	94	3	20	75-125
Anthracene	10.0	9.21	92	9.27	93	1	20	75-125
Carbazole	10.0	9.45	94	9.41	94	0	20	75-125
Fluoranthene	10.0	9.41	94	9.26	93	2	20	75-125
Pyrene	10.0	9.65	97	9.44	94	2	20	75-125
Benzo(a)anthracene	10.0	8.94	89	8.98	90	0	20	75-125
Chrysene	10.0	8.96	90	9.36	94	4	20	75-125
Benzo(b)fluoranthene	10.0	8.20	82	9.19	92	11	20	75-125
Benzo(k)fluoranthene	10.0	10.4	104	9.67	97	7	20	75-125
Benzo(e)pyrene-	10.0	9.19	92	9.41	94	2	20	75-125
Benzo(a)pyrene	10.0	9.27	93	9.41	94	2	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	8.79	88	9.36	94	6	20	75-125
Dibenzo(a,h)anthracene	10.0	8.75	87	9.32	93	6	20	75-125
Benzo(g,h,i)perylene	10.0	8.69	87	9.34	93	7	20	75-125

Sample ID: BS/BSD #8 10/09/12
Matrix: PFTE Cassette Filters: Lot #12468-7DC-145

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	8.69	87	9.10	91	5	20	75-125
2-Methylnaphthalene	10.0	8.97	90	9.37	94	4	20	75-125
1-Methylnaphthalene	10.0	9.09	91	9.50	95	4	20	75-125
Biphenyl	10.0	8.67	87	9.05	90	4	20	75-125
2,6-Dimethylnaphthalene	10.0	8.75	87	9.02	90	3	20	75-125
Acenaphthylene	10.0	8.85	89	9.21	92	4	20	75-125
Acenaphthene	10.0	8.77	88	8.99	90	2	20	75-125
Dibenzofuran	10.0	8.83	88	9.20	92	4	20	75-125
Fluorene	10.0	8.84	88	9.16	92	4	20	75-125
Phenanthrene	10.0	9.03	90	9.27	93	3	20	75-125
Anthracene	10.0	9.03	90	9.32	93	3	20	75-125
Carbazole	10.0	9.25	93	9.54	95	3	20	75-125
Fluoranthene	10.0	9.56	96	9.93	99	4	20	75-125
Pyrene	10.0	9.61	96	10.1	101	5	20	75-125
Benzo(a)anthracene	10.0	8.87	89	9.19	92	4	20	75-125
Chrysene	10.0	8.64	86	9.06	91	5	20	75-125
Benzo(b)fluoranthene	10.0	9.36	94	8.20	82	13	20	75-125
Benzo(k)fluoranthene	10.0	8.72	87	10.7	107	20	20	75-125
Benzo(e)pyrene	10.0	8.89	89	9.20	92	3	20	75-125
Benzo(a)pyrene	10.0	9.10	91	9.46	95	4	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	8.15	82	8.59	86	5	20	75-125
Dibenzo(a,h)anthracene	10.0	8.08	81	8.51	85	5	20	75-125
Benzo(g,h,i)perylene	10.0	7.96	80	8.39	84	5	20	75-125

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Table 2.2 (cont) Results of the BS/BSD Analysis (Filters) for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Sample ID: BS/BSD #9 10/10/12
Matrix: PFTE Cassette Filters: Lot #12468-7DC-145

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	10.1	101	10.4	104	2	20	75-125
2-Methylnaphthalene	10.0	10.2	102	10.5	105	3	20	75-125
1-Methylnaphthalene	10.0	10.1	101	10.5	105	4	20	75-125
Biphenyl	10.0	10.7	107	10.6	106	1	20	75-125
2,6-Dimethylnaphthalene	10.0	10.6	106	10.6	106	0	20	75-125
Acenaphthylene	10.0	10.4	104	10.5	105	1	20	75-125
Acenaphthene	10.0	10.0	100	10.3	103	2	20	75-125
Dibenzofuran	10.0	10.1	101	10.2	102	1	20	75-125
Fluorene	10.0	9.93	99	10.2	102	2	20	75-125
Phenanthrene	10.0	10.4	104	10.5	105	1	20	75-125
Anthracene	10.0	10.4	104	10.5	105	1	20	75-125
Carbazole	10.0	10.4	104	10.7	107	3	20	75-125
Fluoranthene	10.0	10.1	101	10.4	104	3	20	75-125
Pyrene	10.0	10.1	101	10.4	104	3	20	75-125
Benzo(a)anthracene	10.0	10.1	101	10.2	102	1	20	75-125
Chrysene	10.0	10.2	102	10.6	106	4	20	75-125
Benzo(b)fluoranthene	10.0	9.30	93	10.1	101	8	20	75-125
Benzo(k)fluoranthene	10.0	11.8	118	11.6	116	2	20	75-125
Benzo(e)pyrene	10.0	10.4	104	10.8	108	4	20	75-125
Benzo(a)pyrene	10.0	10.5	105	10.8	108	3	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	10.4	104	10.6	106	2	20	75-125
Dibenzo(a,h)anthracene	10.0	10.4	104	10.6	106	2	20	75-125
Benzo(g,h,i)perylene	10.0	10.2	102	10.5	105	3	20	75-125

Sample ID: BS/BSD #10 10/11/12
Matrix: PFTE Cassette Filters: Lot #12468-7DC-145

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	10.6	106	9.75	98	9	20	75-125
2-Methylnaphthalene	10.0	10.8	108	9.70	97	10	20	75-125
1-Methylnaphthalene	10.0	10.9	109	9.85	98	10	20	75-125
Biphenyl	10.0	10.9	109	10.2	102	7	20	75-125
2,6-Dimethylnaphthalene	10.0	11.1	111	10.1	101	10	20	75-125
Acenaphthylene	10.0	10.9	109	9.82	98	10	20	75-125
Acenaphthene	10.0	10.7	107	9.70	97	10	20	75-125
Dibenzofuran	10.0	10.7	107	9.69	97	10	20	75-125
Fluorene	10.0	10.5	105	9.55	95	10	20	75-125
Phenanthrene	10.0	11.0	110	10.0	100	9	20	75-125
Anthracene	10.0	11.0	110	10.0	100	10	20	75-125
Carbazole	10.0	11.1	111	10.2	102	9	20	75-125
Fluoranthene	10.0	11.0	110	10.0	100	10	20	75-125
Pyrene	10.0	11.2	112	10.2	102	9	20	75-125
Benzo(a)anthracene	10.0	10.8	108	9.75	97	10	20	75-125
Chrysene	10.0	10.9	109	9.88	99	9	20	75-125
Benzo(b)fluoranthene	10.0	10.5	105	10.3	103	2	20	75-125
Benzo(k)fluoranthene	10.0	11.8	118	10.0	100	17	20	75-125
Benzo(e)pyrene	10.0	11.0	110	10.1	101	9	20	75-125
Benzo(a)pyrene	10.0	11.2	112	10.1	101	10	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	10.7	107	9.98	100	7	20	75-125
Dibenzo(a,h)anthracene	10.0	10.7	107	10.0	100	7	20	75-125
Benzo(g,h,i)perylene	10.0	10.6	106	9.99	100	6	20	75-125

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Table 2.2 (cont) Results of the BS/BSD Analysis (Filters) for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Sample ID: BS/BSD #11 10/12/12
Matrix: PFTE Cassette Filters: Lot #12468-7DC-145

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	10.5	105	9.77	98	7	20	75-125
2-Methylnaphthalene	10.0	10.6	106	9.95	99	7	20	75-125
1-Methylnaphthalene	10.0	10.8	108	10.0	100	7	20	75-125
Biphenyl	10.0	10.8	108	9.81	98	9	20	75-125
2,6-Dimethylnaphthalene	10.0	10.8	108	10.0	100	8	20	75-125
Acenaphthylene	10.0	10.7	107	9.76	98	9	20	75-125
Acenaphthene	10.0	10.6	106	9.79	98	8	20	75-125
Dibenzofuran	10.0	10.7	107	9.76	98	10	20	75-125
Fluorene	10.0	10.7	107	9.60	96	11	20	75-125
Phenanthrene	10.0	11.1	111	10.1	101	10	20	75-125
Anthracene	10.0	11.0	110	9.94	99	10	20	75-125
Carbazole	10.0	11.2	112	10.1	101	10	20	75-125
Fluoranthene	10.0	11.2	112	10.2	102	9	20	75-125
Pyrene	10.0	11.4	114	10.2	102	12	20	75-125
Benzo(a)anthracene	10.0	10.7	107	9.84	98	9	20	75-125
Chrysene	10.0	10.7	107	9.98	100	7	20	75-125
Benzo(b)fluoranthene	10.0	11.2	112	10.2	102	9	20	75-125
Benzo(k)fluoranthene	10.0	11.2	112	10.2	102	10	20	75-125
Benzo(e)pyrene	10.0	11.1	111	10.1	101	9	20	75-125
Benzo(a)pyrene	10.0	11.1	111	10.1	101	9	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	10.8	108	9.81	98	10	20	75-125
Dibenzo(a,h)anthracene	10.0	10.8	108	9.82	98	10	20	75-125
Benzo(g,h,i)perylene	10.0	10.8	108	9.82	98	9	20	75-125

Sample ID: BS/BSD #12 10/14/12
Matrix: PFTE Cassette Filters: Lot #12468-7DC-145

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	7.60	76	7.19	72 *	5	20	75-125
2-Methylnaphthalene	10.0	8.07	81	7.59	76	6	20	75-125
1-Methylnaphthalene	10.0	7.96	80	7.62	76	4	20	75-125
Biphenyl	10.0	7.41	74 *	7.16	72 *	3	20	75-125
2,6-Dimethylnaphthalene	10.0	7.41	74 *	7.17	72 *	3	20	75-125
Acenaphthylene	10.0	7.48	75	7.24	72 *	3	20	75-125
Acenaphthene	10.0	7.31	73 *	7.09	71 *	3	20	75-125
Dibenzofuran	10.0	7.53	75	7.29	73 *	3	20	75-125
Fluorene	10.0	7.72	77	7.42	74 *	4	20	75-125
Phenanthrene	10.0	7.46	75	7.28	73 *	2	20	75-125
Anthracene	10.0	7.57	76	7.51	75	1	20	75-125
Carbazole	10.0	7.80	78	7.75	77	1	20	75-125
Fluoranthene	10.0	6.16	62 *	8.17	82	28 *	20	75-125
Pyrene	10.0	6.20	62 *	7.70	77	22 *	20	75-125
Benzo(a)anthracene	10.0	7.42	74 *	7.15	71 *	4	20	75-125
Chrysene	10.0	7.32	73 *	7.08	71 *	3	20	75-125
Benzo(b)fluoranthene	10.0	7.29	73 *	6.83	68 *	6	20	75-125
Benzo(k)fluoranthene	10.0	7.30	73 *	7.17	72 *	2	20	75-125
Benzo(e)pyrene	10.0	7.13	71 *	6.79	68 *	5	20	75-125
Benzo(a)pyrene	10.0	7.30	73 *	6.88	69 *	6	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	6.53	65 *	4.89	49 *	29 *	20	75-125
Dibenzo(a,h)anthracene	10.0	6.51	65 *	4.89	49 *	29 *	20	75-125
Benzo(g,h,i)perylene	10.0	6.44	64 *	4.78	48 *	30 *	20	75-125

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Table 2.2 (cont) Results of the BS/BSD Analysis (Filters) for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Sample ID: BS/BSD #13 10/16/12
Matrix: PFTE Cassette Filters: Lot #12468-7DC-145

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	8.45	84	8.30	83	2	20	75-125
2-Methylnaphthalene	10.0	8.55	86	8.44	84	1	20	75-125
1-Methylnaphthalene	10.0	8.51	85	8.46	85	1	20	75-125
Biphenyl	10.0	8.60	86	8.59	86	0	20	75-125
2,6-Dimethylnaphthalene	10.0	8.72	87	8.59	86	2	20	75-125
Acenaphthylene	10.0	9.91	99	8.62	86	14	20	75-125
Acenaphthene	10.0	8.24	82	8.23	82	0	20	75-125
Dibenzofuran	10.0	8.29	83	8.30	83	0	20	75-125
Fluorene	10.0	8.39	84	8.26	83	2	20	75-125
Phenanthrene	10.0	9.32	93	8.60	86	8	20	75-125
Anthracene	10.0	9.75	98	9.00	90	8	20	75-125
Carbazole	10.0	7.78	78	8.70	87	11	20	75-125
Fluoranthene	10.0	7.27	73 *	10.0	100	32 *	20	75-125
Pyrene	10.0	7.25	72 *	9.09	91	23 *	20	75-125
Benzo(a)anthracene	10.0	9.03	90	9.03	90	0	20	75-125
Chrysene	10.0	8.21	82	8.56	86	4	20	75-125
Benzo(b)fluoranthene	10.0	7.65	77	7.84	78	2	20	75-125
Benzo(k)fluoranthene	10.0	7.88	79	10.1	101	25 *	20	75-125
Benzo(e)pyrene	10.0	9.09	91	8.89	89	2	20	75-125
Benzo(a)pyrene	10.0	8.86	89	9.00	90	2	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	8.52	85	10.7	107	23 *	20	75-125
Dibenzo(a,h)anthracene	10.0	8.57	86	10.8	108	23 *	20	75-125
Benzo(g,h,i)perylene	10.0	9.14	91	10.7	107	15	20	75-125

Sample ID: BS/BSD #14 10/18/12
Matrix: PFTE Cassette Filters: Lot #12468-7DC-145

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	8.41	84	8.29	83	1	20	75-125
2-Methylnaphthalene	10.0	8.50	85	8.49	85	0	20	75-125
1-Methylnaphthalene	10.0	8.63	86	8.54	85	1	20	75-125
Biphenyl	10.0	8.62	86	8.61	86	0	20	75-125
2,6-Dimethylnaphthalene	10.0	8.69	87	8.62	86	1	20	75-125
Acenaphthylene	10.0	8.55	86	8.52	85	0	20	75-125
Acenaphthene	10.0	8.31	83	8.32	83	0	20	75-125
Dibenzofuran	10.0	8.37	84	8.32	83	1	20	75-125
Fluorene	10.0	8.41	84	8.43	84	0	20	75-125
Phenanthrene	10.0	8.63	86	8.57	86	1	20	75-125
Anthracene	10.0	8.55	86	8.57	86	0	20	75-125
Carbazole	10.0	8.30	83	8.32	83	0	20	75-125
Fluoranthene	10.0	8.36	84	8.37	84	0	20	75-125
Pyrene	10.0	8.39	84	8.41	84	0	20	75-125
Benzo(a)anthracene	10.0	8.61	86	8.56	86	1	20	75-125
Chrysene	10.0	8.59	86	8.57	86	0	20	75-125
Benzo(b)fluoranthene	10.0	7.68	77	7.66	77	0	20	75-125
Benzo(k)fluoranthene	10.0	9.96	100	9.56	96	4	20	75-125
Benzo(e)pyrene	10.0	8.74	87	8.57	86	2	20	75-125
Benzo(a)pyrene	10.0	8.73	87	8.48	85	3	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	8.13	81	8.01	80	1	20	75-125
Dibenzo(a,h)anthracene	10.0	8.18	82	8.03	80	2	20	75-125
Benzo(g,h,i)perylene	10.0	8.28	83	8.10	81	2	20	75-125

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Table 2.2 (cont) Results of the BS/BSD Analysis (Filters) for Polynuclear Aromatic Hydrocarbons in Air
WA # SERAS 193 Hillcrest Recycling

Sample ID: BS/BSD #15 10/19/12
Matrix: PFTE Cassette Filters: Lot #12468-7DC-145

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	9.04	90	10.2	102	13	20	75-125
2-Methylnaphthalene	10.0	9.17	92	10.3	103	11	20	75-125
1-Methylnaphthalene	10.0	9.16	92	10.3	103	12	20	75-125
Biphenyl	10.0	9.61	96	10.7	107	11	20	75-125
2,6-Dimethylnaphthalene	10.0	9.66	97	11.0	110	13	20	75-125
Acenaphthylene	10.0	9.51	95	10.8	108	12	20	75-125
Acenaphthene	10.0	9.27	93	10.4	104	11	20	75-125
Dibenzofuran	10.0	9.24	92	10.4	104	12	20	75-125
Fluorene	10.0	9.24	92	10.3	103	11	20	75-125
Phenanthrene	10.0	9.46	95	10.7	107	13	20	75-125
Anthracene	10.0	9.68	97	10.9	109	12	20	75-125
Carbazole	10.0	9.58	96	10.8	108	12	20	75-125
Fluoranthene	10.0	9.20	92	10.4	104	12	20	75-125
Pyrene	10.0	9.24	92	10.4	104	11	20	75-125
Benzo(a)anthracene	10.0	9.54	95	10.8	108	12	20	75-125
Chrysene	10.0	9.71	97	10.6	106	9	20	75-125
Benzo(b)fluoranthene	10.0	9.78	98	11.0	110	12	20	75-125
Benzo(k)fluoranthene	10.0	9.62	96	11.0	110	13	20	75-125
Benzo(e)pyrene	10.0	9.66	97	10.9	109	12	20	75-125
Benzo(a)pyrene	10.0	9.52	95	10.9	109	13	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	9.35	94	10.5	105	12	20	75-125
Dibenzo(a,h)anthracene	10.0	9.38	94	10.6	106	12	20	75-125
Benzo(g,h,i)perylene	10.0	9.48	95	10.7	107	12	20	75-125

Sample ID: BS/BSD #16 10/20/12
Matrix: PFTE Cassette Filters: Lot #12468-7DC-145

Analyte	Spike Added µg	BS Recovered µg	% Recovery	BSD Recovered µg	% Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	10.0	9.04	90	9.20	92	2	20	75-125
2-Methylnaphthalene	10.0	9.19	92	9.47	95	3	20	75-125
1-Methylnaphthalene	10.0	9.18	92	9.55	95	4	20	75-125
Biphenyl	10.0	9.11	91	9.46	95	4	20	75-125
2,6-Dimethylnaphthalene	10.0	9.15	92	9.47	95	3	20	75-125
Acenaphthylene	10.0	9.02	90	9.37	94	4	20	75-125
Acenaphthene	10.0	8.92	89	9.21	92	3	20	75-125
Dibenzofuran	10.0	8.83	88	9.22	92	4	20	75-125
Fluorene	10.0	8.84	88	9.28	93	5	20	75-125
Phenanthrene	10.0	9.28	93	9.53	95	3	20	75-125
Anthracene	10.0	9.71	97	9.97	100	3	20	75-125
Carbazole	10.0	9.28	93	9.62	96	4	20	75-125
Fluoranthene	10.0	8.94	89	9.28	93	4	20	75-125
Pyrene	10.0	8.93	89	9.31	93	4	20	75-125
Benzo(a)anthracene	10.0	9.24	92	9.53	95	3	20	75-125
Chrysene	10.0	9.44	94	9.66	97	2	20	75-125
Benzo(b)fluoranthene	10.0	9.51	95	9.52	95	0	20	75-125
Benzo(k)fluoranthene	10.0	9.63	96	10.1	101	5	20	75-125
Benzo(e)pyrene	10.0	9.54	95	9.84	98	3	20	75-125
Benzo(a)pyrene	10.0	9.30	93	9.56	96	3	20	75-125
Indeno(1,2,3-cd)pyrene	10.0	9.21	92	9.46	95	3	20	75-125
Dibenzo(a,h)anthracene	10.0	9.22	92	9.50	95	3	20	75-125
Benzo(g,h,i)perylene	10.0	9.41	94	9.69	97	3	20	75-125

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CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name: Joseph Brandine
Contact Phone: 516-993-0400

No: 2-093012-180204-0001
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Sample Time	Preservative	Volume	Vol Units	Total_Time	Pump_Fault
01	34001-0001	P0004	PAHs	Air	Field Sample	9/29/2012	13:10	Wet Ice	267.3	Liters	297	Y
02	34001-0002	P0011	PAHs	Air	Field Sample	9/29/2012	20:42	Wet Ice	720	Liters	720	N
03	34001-0003	P0002	PAHs	Air	Field Sample	9/29/2012	20:56	Wet Ice	708	Liters	708	N
04	34001-0004	P0010	PAHs	Air	Field Sample	9/29/2012	20:11	Wet Ice	706	Liters	706	N
05	34001-0005	P0006	PAHs	Air	Field Sample	9/29/2012	21:30	Wet Ice	704	Liters	704	N
06	34001-0006	P0006-co	PAHs	Air	Field Sample	9/29/2012	21:30	Wet Ice	704	Liters	704	N
07	34001-0007	P0005	PAHs	Air	Field Sample	9/29/2012	21:49	Wet Ice	683	Liters	683	N
08	34001-0008	P0003	PAHs	Air	Field Sample	9/29/2012	22:00	Wet Ice	683	Liters	683	N
09	34001-0009	Field Blank	PAHs	Air	Field Blank	9/29/2012	22:10	Wet Ice	0	Liters	0	N
10	34001-0010	P0004	PAHs	Air	Field Sample	9/30/2012	08:10	Wet Ice	713	Liters	713	N
11	34001-0011	P0011	PAHs	Air	Field Sample	9/30/2012	08:20	Wet Ice	693	Liters	693	N

3 pre-filters and 3 XAD tubes received for Lot Blanks 10/1/12
Special Instructions: Priority will be given to samples numbers 0010- 0018
Tube Lot 5700 Filter Lot 12468-7DC-145 Received 2°C 10/1/12

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Analyses		10/1/12		10/1/12	8:25					10/1/12	14:30
All/Analysis		10/1/12		10/1/12	14:45						

SERAS-193-DAR-111312

053

SERAS-193-DAR-111312

USEPA
DateShipped:
CarrierName:
AirbillNo: WO#R210002

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name: Joseph Brandine
Contact Phone: 516-993-0400

No: 2-093012-180204-0001
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Sample Time	Preservative	Volume	Vol Units	Total_Time	Pump_Fault
12	34001-0012	P0002	PAHs	Air	Field Sample	9/30/2012	08:51	Wet Ice	710	Liters	710	N
13	34001-0013	P0010	PAHs	Air	Field SampleField Sample	9/30/2012	09:12	Wet Ice	711	Liters	711	N
14	34001-0014	P0006	PAHs	Air	Field Sample	9/30/2012	09:25	Wet Ice	706	Liters	706	N
15	34001-0015	P0006-co	PAHs	Air	Field Sample	9/30/2012	09:25	Wet Ice	706	Liters	706	N
16	34001-0016	P0005	PAHs	Air	Field Sample	9/30/2012	09:42	Wet Ice	709	Liters	709	N
17	34001-0017	P0003	PAHs	Air	Field Sample	9/30/2012	09:52	Wet Ice	701	Liters	701	N
18	34001-0018	Field Blank	PAHs	Air	Field Blank	9/30/2012	10:00	Wet Ice	0	Liters	0	N
19	34001-0019	P0004	PAHs	Air	Field Sample	9/30/2012	2012	Wet Ice	715	Liters	715	N
20	34001-0020	P0011	PAHs	Air	Field Sample	9/30/2012	2028	Wet Ice	705	Liters	705	N
21	34001-0021	P0002	PAHs	Air	Field SampleField Sample	9/30/2012	2044	Wet Ice	704	Liters	704	N

3 Pre-filters and 3 XAD Tubes received for lot blanks 7m 10/1/12
Special Instructions: Priority will be given to samples numbers 0010- 0018

Received 2°C 7m 10/1/12

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
ALL Analysis	[signature]	10/1/12	[signature]	10/1/12	8:25				[signature]	10/1/12	14:30
All/Analysis	[signature]	10/1/12	[signature]	10/1/12	14:45						

SERAS-193-DAR-111312

USEPA
DateShipped:
CarrierName:
AirbillNo:
WO# R210002

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name: Joseph Brandine
Contact Phone: 516-993-0400

No: 2-093012-180204-0001
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Sample Time	Preservative	Volume	Vol Units	Total_Time	Pump_Fault
22	34001-0022	P0010	PAHs	Air	Field Sample	9/30/2012	2100	Wet Ice	702	Liters	702	N
23	34001-0023	P0006	PAHs	Air	Field Sample	9/30/2012	2114	Wet Ice	706	Liters	706	N
24	34001-0024	P0005	PAHs	Air	Field Sample	9/30/2012	2127	Wet Ice	700	Liters	700	N
25	34001-0025	P0003	PAHs	Air	Field Sample	9/30/2012	2138	Wet Ice	700	Liters	700	N
26	34001-0026	Field Blank	PAHs	Air	Field Blank	9/30/2012	2240	Wet Ice	0	Liters	0	N

3 Pre-filters and 3 XAD tubes received for lot Blanks for 10/1/12

Special Instructions: Priority will be given to samples numbers 0010- 0018

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Received 2°C 10/1/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Analysis	[illegible]	10/1/12	[illegible]	10/1/12	8:35				[illegible]	10/1/12	14:30
All Analysis	[illegible]	10/1/12	[illegible]	10/1/12	14:45						

SERAS-193-DAR-11312

USEPA
DateShipped:
CarrierName:
AirbillNo:
WO# R210004

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-100212-114159-0002
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Total_Time	Flow_Units
01	34001-0027	P0004	PAHs	Air	Field Sample	9/30/2012	Wet Ice	710	Liters	710	L/min
02	34001-0028	P0011	PAHs	Air	Field Sample	9/30/2012	Wet Ice	720	Liters	720	L/min
03	34001-0029	P0002	PAHs	Air	Field Sample	9/30/2012	Wet Ice	720	Liters	720	L/min
04	34001-0030	P0010	PAHs	Air	Field SampleField Sample	9/30/2012	Wet Ice	720	Liters	720	L/min
05	34001-0031	P0006	PAHs	Air	Field Sample	9/30/2012	Wet Ice	720	Liters	720	L/min
06	34001-0032	P0005	PAHs	Air	Field Sample	9/30/2012	Wet Ice	720	Liters	720	L/min
07	34001-0033	P0003	PAHs	Air	Field Sample	9/30/2012	Wet Ice	720	Liters	720	L/min
08	34001-0034	Field Blank	PAHs	Air	Field Blank	9/30/2012	Wet Ice	0	Liters	0	L/min
09	34001-0035	P0004	PAHs	Air	Field Sample	10/1/2012	Wet Ice	705	Liters	705	L/min
10	34001-0036	P0011	PAHs	Air	Field Sample	10/1/2012	Wet Ice	702	Liters	702	L/min
11	34001-0037	P0002	PAHs	Air	Field Sample	10/1/2012	Wet Ice	702	Liters	702	L/min

Special Instructions: XAD2- Lot# 5700
PTFE- Lot# 12468-7DC-145
+2 BS/BSD

Received 6°C

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Analysis		10/2/12		10/3/12	12:05	All Analysis		10/3/12		10/3/12	12:25 pm

SERAS-193-DAR-111312

USEPA
DateShipped:
CarrierName:
AirbillNo:
WO# R210004

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-100212-114159-0002
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Total_Time	Flow_Units
12	34001-0038	P0010	PAHs	Air	Field SampleField Sample	10/1/2012	Wet Ice	707	Liters	707	L/min
13	34001-0039	P0006	PAHs	Air	Field Sample	10/1/2012	Wet Ice	700	Liters	700	L/min
14	34001-0040	P0005	PAHs	Air	Field Sample	10/1/2012	Wet Ice	700	Liters	700	L/min
15	34001-0041	P0003	PAHs	Air	Field Sample	10/1/2012	Wet Ice	700	Liters	700	L/min
16	34001-0042	Field Blank	PAHs	Air	Field Blank	10/1/2012	Wet Ice	0	Liters	0	L/min
17	34001-0043	P0004	PAHs	Air	Field Sample	10/1/2012	Wet Ice	720	Liters	720	L/min
18	34001-0044	P0011	PAHs	Air	Field Sample	10/1/2012	Wet Ice	720	Liters	720	L/min
19	34001-0045	P0002	PAHs	Air	Field Sample	10/1/2012	Wet Ice	720	Liters	720	L/min
20	34001-0046	P0002-co	PAHs	Air	Field Sample	10/1/2012	Wet Ice	720	Liters	720	L/min
21	34001-0047	P0010	PAHs	Air	Field SampleField Sample	10/1/2012	Wet Ice	720	Liters	720	L/min

Special Instructions: XAD2- Lot# 5700
PTFE- Lot# 12468-7DC-145

+2 BS/BSD

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Received 6°C
10/3/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Analysis		10/2/12		10/3/12	12:05	All Analysis		10/3/12		10/3/12	12:05 pm

SERAS-193-DAR-111312

USEPA
DateShipped:
CarrierName:
AirbillNo:
WO#R210004

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-100212-114159-0002
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Total_Time	Flow_Units
22	34001-0048	P0006	PAHs	Air	Field Sample	10/1/2012	Wet Ice	684	Liters	720	L/min
23	34001-0049	P0005	PAHs	Air	Field Sample	10/1/2012	Wet Ice	720	Liters	720	L/min
24	34001-0050	P0003	PAHs	Air	Field Sample	10/1/2012	Wet Ice	720	Liters	720	L/min
25	34001-0051	Field Blank	PAHs	Air	Field Blank	10/1/2012	Wet Ice	0	Liters	0	L/min

Special Instructions: XAD2- Lot# 5700
PTFE- Lot# 12468-7DC-145

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Received 6°C
10/3/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Analysis	[signature]	10/5/12	[signature]	10/5/12	12:05	All Analysis	[signature]	10/3/12	[signature]	10/3/12	12:25 pm

SERAS-193-DAR-111312

USEPA
DateShipped:
CarrierName:
AirbillNo:
WO#R210006

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-100312-140735-0003
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Total_Time	Flow_Units
01	34001-0052	P0004	PAHs	Air	Field Sample	10/2/2012	Wet Ice	707	Liters	707	L/min
02	34001-0053	P0011	PAHs	Air	Field Sample	10/2/2012	Wet Ice	700	Liters	700	L/min
03	34001-0054	P0002	PAHs	Air	Field Sample	10/2/2012	Wet Ice	700	Liters	700	L/min
04	34001-0055	P0010	PAHs	Air	Field Sample	10/2/2012	Wet Ice	600	Liters	700	L/min
05	34001-0056	P0006	PAHs	Air	Field Sample	10/2/2012	Wet Ice	515	Liters	515	L/min
06	34001-0057	P0005	PAHs	Air	Field Sample	10/2/2012	Wet Ice	670.7	Liters	706	L/min
07	34001-0058	P0003	PAHs	Air	Field Sample	10/2/2012	Wet Ice	714	Liters	714	L/min
08	34001-0059	Field Blank	PAHs	Air	Field Blank	10/2/2012	Wet Ice	0	Liters	0	L/min
09	34001-0060	P0004	PAHs	Air	Field Sample	10/3/2012	Wet Ice	710	Liters	710	L/min
10	34001-0061	P0011	PAHs	Air	Field Sample	10/3/2012	Wet Ice	710	Liters	710	L/min
11	34001-0062	P0002	PAHs	Air	Field Sample	10/3/2012	Wet Ice	700	Liters	700	L/min
12	34001-0063	P0010	PAHs	Air	Field Sample	10/3/2012	Wet Ice	700	Liters	700	L/min
13	34001-0064	P0005	PAHs	Air	Field Sample	10/3/2012	Wet Ice	700	Liters	700	L/min
14	34001-0065	P0006	PAHs	Air	Field Sample	10/3/2012	Wet Ice	700	Liters	700	L/min
15	34001-0066	P0003	PAHs	Air	Field Sample	10/3/2012	Wet Ice	700	Liters	700	L/min
16	34001-0067	Field Blank	PAHs	Air	Field Blank	10/3/2012	Wet Ice	0	Liters	0	L/min

Special Instructions: XAD2- Lot# 5700, PTFE- Lot# 12468-7DC-145

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Received 2°C
10/4/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Archive	[signature]	10/3/10	[signature]	10/4/12	10:00	All/Analysis	[signature]	10/4/12	[signature]	10/4/12	14:50

059

SERAS-193-DAR-111312

USEPA
DateShipped:
CarrierName:
AirbillNo:
WO# R210007

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-100412-142520-0005
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Total_Time	Flow_Units
01	34001-0068	P0004	PAHs	Air	Field Sample	10/3/2012	Wet Ice	720	Liters	720	L/min
02	34001-0069	P0011	PAHs	Air	Field Sample	10/3/2012	Wet Ice	720	Liters	720	L/min
03	34001-0070	P0002	PAHs	Air	Field Sample	10/3/2012	Wet Ice	715	Liters	715	L/min
04	34001-0071	P0010	PAHs	Air	Field Sample	10/3/2012	Wet Ice	713	Liters	713	L/min
05	34001-0072	P0006	PAHs	Air	Field Sample	10/3/2012	Wet Ice	705	Liters	705	L/min
06	34001-0073	P0005	PAHs	Air	Field Sample	10/3/2012	Wet Ice	711	Liters	711	L/min
07	34001-0074	P0003	PAHs	Air	Field Sample	10/3/2012	Wet Ice	709	Liters	709	L/min
08	34001-0075	Field Blank	PAHs	Air	Field Blank	10/3/2012	Wet Ice	0	Liters	0	L/min
09	34001-0076	P0004	PAHs	Air	Field Sample	10/4/2012	Wet Ice	700	Liters	700	L/min
10	34001-0077	P0011	PAHs	Air	Field Sample	10/4/2012	Wet Ice	700	Liters	700	L/min
11	34001-0078	P0002	PAHs	Air	Field Sample	10/4/2012	Wet Ice	701	Liters	701	L/min

Special Instructions: XAD2- Lot# 5700, PTFE- Lot# 12468-7DC-145 + BS/BSD Received 2°C 10/5/12

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Analyses	[signature]	10/4/12	[signature]	10/5/12	10:40	All Analysis	[signature]	10/5/12	[signature]	10/5/12	11:59

USEPA
DateShipped:
CarrierName:
AirbillNo: WO# R210017

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name:
Contact Phone:

No: 2-101612-082856-0021
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
12	34001-0281	P0002	PAHs	Air	Field Sample	10/15/2012	Wet Ice	720	Liters	1	L/min
13	34001-0282	P0010	PAHs	Air	Field Sample	10/15/2012	Wet Ice	718	Liters	1.05	L/min
14	34001-0283	P0005	PAHs	Air	Field Sample	10/15/2012	Wet Ice	720	Liters	1	L/min
15	34001-0284	P0006	PAHs	Air	Field Sample	10/15/2012	Wet Ice	720	Liters	1	L/min
16	34001-0285	P0003	PAHs	Air	Field Sample	10/15/2012	Wet Ice	720	Liters	1	L/min
17	34001-0286	Field Blank	PAHs	Air	Field Blank	10/15/2012	Wet Ice	0	Liters	0	L/min

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Received 4°C
10/17/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
SAMPLES FOR ANALYSES		10/17/12		10/17/12	16:20	All Analysis		10/19/12		10/19/12	8:20

RECEIVED
OCT 18 2012

SERAS-193-DAR-111312

061

USEPA

CHAIN OF CUSTODY RECORD

Site #: 34001
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-100912-110130-0013

Lab: ERT/SERAS
Lab Phone: 732-321-4200

WO#R210012

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
01	34001-0151	P0011	PAHs	Air	Field Sample	10/8/2012	Wet Ice	694	Liters	1	L/min
02	34001-0152	P0002	PAHs	Air	Field Sample	10/8/2012	Wet Ice	685	Liters	1	L/min
03	34001-0153	P0010	PAHs	Air	Field Sample	10/8/2012	Wet Ice	670	Liters	1	L/min
04	34001-0154	P0005	PAHs	Air	Field Sample	10/8/2012	Wet Ice	672	Liters	1	L/min
05	34001-0155	P0006	PAHs	Air	Field Sample	10/8/2012	Wet Ice	684	Liters	1	L/min
06	34001-0156	P0003	PAHs	Air	Field Sample	10/8/2012	Wet Ice	685	Liters	1	L/min
07	34001-0157	Field Blank	PAHs	Air	Field Blank	10/8/2012	Wet Ice	0	Liters	0	L/min

Special Instructions: XAD2- Lot# 5700, PTFE- Lot# 12468-7DC-145

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Received 6°C 10/10/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All analyses	[illegible]	10/9/12	[illegible]	10/10/12	11:00	All Analysis	[illegible]	10/10/12	[illegible]	10/10/12	17:05

RECEIVED
OCT 10 2012

SERAS-193-DAR-111312

062

USEPA

CHAIN OF CUSTODY RECORD

Site #: 34001
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-100912-110210-0014

Lab: ERT/SERAS
Lab Phone: 732-321-4200

WO# R210012

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
08	34001-0158	P0004	PAHs	Air	Field Sample	10/9/2012	Wet Ice	720	Liters	1	L/min
09	34001-0159	P0011	PAHs	Air	Field Sample	10/9/2012	Wet Ice	712	Liters	1	L/min
10	34001-0160	P0002	PAHs	Air	Field Sample	10/9/2012	Wet Ice	710	Liters	1	L/min
11	34001-0161	P0010	PAHs	Air	Field Sample	10/9/2012	Wet Ice	705	Liters	1	L/min
12	34001-0162	P0010-co	PAHs	Air	Field Sample	10/9/2012	Wet Ice	705	Liters	1	L/min
13	34001-0163	P0005	PAHs	Air	Field Sample	10/9/2012	Wet Ice	700	Liters	1	L/min
14	34001-0164	P0006	PAHs	Air	Field Sample	10/9/2012	Wet Ice	700	Liters	1	L/min
15	34001-0165	P0003	PAHs	Air	Field Sample	10/9/2012	Wet Ice	701	Liters	1	L/min
16	34001-0166	Field Blank	PAHs	Air	Field Blank	10/9/2012	Wet Ice	0	Liters	0	L/min

Special Instructions: XAD2- Lot# 5700, PTFE- Lot# 12468-7DC-145

BS/BSD received 10/10/12
Received 6°C 10/10/12

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All analyses	McCall	10/9/12	[illegible]	10/10/12	11:00	All Analysis	[illegible]	10/10/12	[illegible]	10/10/12	11:05

RECEIVED
OCT 10 2012

SERAS-193-DAR-111312

063

USEPA

CHAIN OF CUSTODY RECORD

Site #: 34001
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-101012-111521-0015

Lab: ERT/SERAS
Lab Phone: 732-321-4200

WO# R210014

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
01	34001-0167	P0004	PAHs	Air	Field Sample	10/9/2012	Wet Ice	642.6	Liters	0.9	L/min
02	34001-0168	P0011	PAHs	Air	Field Sample	10/9/2012	Wet Ice	631	Liters	0.9	L/min
03	34001-0169	P0002	PAHs	Air	Field Sample	10/9/2012	Wet Ice	718	Liters	1	L/min
04	34001-0170	P0010	PAHs	Air	Field Sample	10/9/2012	Wet Ice	714	Liters	1	L/min
05	34001-0171	P0005	PAHs	Air	Field Sample	10/9/2012	Wet Ice	710	Liters	1	L/min
06	34001-0172	P0006	PAHs	Air	Field Sample	10/9/2012	Wet Ice	674	Liters	0.95	L/min
07	34001-0173	P0003	PAHs	Air	Field Sample	10/9/2012	Wet Ice	702	Liters	1	L/min
08	34001-0174	Field Blank	PAHs	Air	Field Blank	10/9/2012	Wet Ice	0	Liters	0	L/min

Special Instructions: XAD2- Lot# 5700, PTFE- Lot# 12468-7DC-145

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Received 3°C
10/11/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All analyses	[illegible]	10/10/12	[illegible]	10/10/12	10:30	All/Analysis	[illegible]	10/11/12	J. Lydda	10/11/12	11:05

RECEIVED
OCT 11 2012

SERAS-193-DAR-111312

064

USEPA

CHAIN OF CUSTODY RECORD

Site #: 34001
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-101112-111703-0018

Lab: ERT/SERAS
Lab Phone: 732-321-4200

WO# R210015

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
10	34001-0192	P0004	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
11	34001-0193	P0011	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
12	34001-0194	P0002	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
13	34001-0195	P0010	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
14	34001-0196	P0005	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
15	34001-0197	P0006	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
16	34001-0198	P0003	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
17	34001-0199	Field Blank	PAHs	Air	Field Blank	10/11/2012	Wet Ice	0	Liters	0	L/min

Special Instructions: XAD2- Lot# 7845, PTFE- Lot# 12737-7DC-221

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Received 4°C 10/12/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All analyses	J. McCall	10/11/12	[illegible]	10/12/12	10:30	All Analysis	[illegible]	10/12/12	[illegible]	10/12/12	10:50

SERAS-193-DAR-111312

065

USEPA

SERAS-193-DAR-111312

CHAIN OF CUSTODY RECORD

Site #: 34001

Contact Name: Joe Brandine

Contact Phone: 516-993-0400

No: 2-101112-111626-0017

Lab: ERT/SERAS

Lab Phone: 732-321-4200

WO# R210015

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
01	34001-0183	P0004	PAHs	Air	Field Sample	10/10/2012	Wet Ice	703	Liters	1	L/min
02	34001-0184	P0011	PAHs	Air	Field Sample	10/10/2012	Wet Ice	704	Liters	1	L/min
03	34001-0185	P0002	PAHs	Air	Field Sample	10/10/2012	Wet Ice	705	Liters	1	L/min
04	34001-0186	P0010	PAHs	Air	Field Sample	10/10/2012	Wet Ice	651	Liters	0.925	L/min
05	34001-0187	P0010-co	PAHs	Air	Field Sample	10/10/2012	Wet Ice	704	Liters	1	L/min
06	34001-0188	P0005	PAHs	Air	Field Sample	10/10/2012	Wet Ice	696	Liters	1	L/min
07	34001-0189	P0006	PAHs	Air	Field Sample	10/10/2012	Wet Ice	666	Liters	0.95	L/min
08	34001-0190	P0003	PAHs	Air	Field Sample	10/10/2012	Wet Ice	704	Liters	1	L/min
09	34001-0191	Field Blank	PAHs	Air	Field Blank	10/10/2012	Wet Ice	0	Liters	0	L/min

Special Instructions: XAD2- Lot# 7845, PTFE- Lot# 12737-7DC-221 New Lot Blanks included MS/MSD included Received 4°C

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All analyses	J. McCall	10/11/12	[illegible]	10/12/12	10:30	All Analysis	[illegible]	10/12/12	[illegible]	10/12/12	10:30

066

USEPA

CHAIN OF CUSTODY RECORD

Site #: 34001
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-101012-111601-0016

Lab: ERT/SERAS
Lab Phone: 732-321-4200

WO# R210014

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
09	34001-0175	P0004	PAHs	Air	Field Sample	10/10/2012	Wet Ice	684	Liters	1	L/min
10	34001-0176	P0011	PAHs	Air	Field Sample	10/10/2012	Wet Ice	654	Liters	1	L/min
11	34001-0177	P0002	PAHs	Air	Field Sample	10/10/2012	Wet Ice	720	Liters	1	L/min
12	34001-0178	P0010	PAHs	Air	Field Sample	10/10/2012	Wet Ice	720	Liters	1	L/min
13	34001-0179	P0005	PAHs	Air	Field Sample	10/10/2012	Wet Ice	720	Liters	1	L/min
14	34001-0180	P0006	PAHs	Air	Field Sample	10/10/2012	Wet Ice	720	Liters	1	L/min
15	34001-0181	P0003	PAHs	Air	Field Sample	10/10/2012	Wet Ice	720	Liters	1	L/min
16	34001-0182	Field Blank	PAHs	Air	Field Blank	10/10/2012	Wet Ice	0	Liters	0	L/min

Special Instructions: XAD2- Lot# 5700, PTFE- Lot# 12468-7DC-145

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Received 3°C
10/11/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All analyses	S McCall	10/10/12	[illegible]	10/11/12	10:30	All Analysis	[illegible]	10/10/12	[illegible]	10/10/12	11:05

RECEIVED
OCT 11 2012

SERAS-193-DAR-111312

067

SERAS-193-DAR-111312

USEPA
DateShipped:
CarrierName:
AirbillNo:
WO# R210016

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

SERAS-193-DAR-111312

No: 2-101112-111703-0018
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservativ	Volum e	Vol Units	Avg_Flo w	Flow_Units
	34001-0192	P0004	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
	34001-0193	P0011	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
	34001-0194	P0002	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
	34001-0195	P0010	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
	34001-0196	P0005	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
	34001-0197	P0006	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
	34001-0198	P0003	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
	34001-0199	Field Blank	PAHs	Air	Field Blank	10/11/2012	Wet Ice		Liters		L/min
01	34001-0200	P0004	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
02	34001-0201	P0011	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
03	34001-0202	P0002	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min

Special Instructions: XAD2- Lot# 7845, PTFE- Lot# 12737-7DC-221
BS/BSD samples included 10/13/12

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Received 4°C
10/16/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Samples for Analysis	[illegible]	10/15/12	[illegible]	10/16/12	10:00	All/Analysis	[illegible]	10/16/12	J. Dyal	10/16/12	11:25

RECEIVED
OCT 16 2012

068

USEPA
DateShipped:
CarrierName:
AirbillNo:
WO# R210016

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-101112-111703-0018
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
04	34001-0203	P0010	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
05	34001-0204	P0005	PAHs	Air	Field Sample	10/11/2012	Wet Ice	720	Liters	1	L/min
06	34001-0205	P0006	PAHs	Air	Field Sample	10/11/2012	Wet Ice	715	Liters	1	L/min
07	34001-0206	P0003	PAHs	Air	Field Sample	10/11/2012	Wet Ice	715	Liters	1	L/min
08	34001-0207	Field Blank	PAHs	Air	Field Blank	10/11/2012	Wet Ice	0	Liters	0	L/min
09	34001-0208	P0004	PAHs	Air	Field Sample	10/12/2012	Wet Ice	706	Liters	1	L/min
10	34001-0209	P0011	PAHs	Air	Field Sample	10/12/2012	Wet Ice	710	Liters	1	L/min
11	34001-0210	P0002	PAHs	Air	Field Sample	10/12/2012	Wet Ice	712	Liters	1	L/min
12	34001-0211	P0010	PAHs	Air	Field Sample	10/12/2012	Wet Ice	713	Liters	1	L/min
13	34001-0212	P0005	PAHs	Air	Field Sample	10/12/2012	Wet Ice	712	Liters	1	L/min
14	34001-0213	P0008	PAHs	Air	Field Sample	10/12/2012	Wet Ice	711	Liters	1	L/min

Special Instructions: XAD2- Lot# 7845, PTFE- Lot# 12737-7DC-221

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Received 4°C TM 10/16/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Samples for analyses	[illegible]	10/15/12	[illegible]	10/16/12	10:00	All/Analysis	[illegible]	10/16/12	[illegible]	10/16/12	11:25

RECEIVED
OCT 16 2012

SERAS-193-DAR-111312

069

USEPA
DateShipped:
CarrierName:
AirbillNo: WO# R210016

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name: Joe Brandine
Contact Phone: 516-693-0400

No: 2-101112-111703-0018
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
15	34001-0214	P0003	PAHs	Air	Field Sample	10/12/2012	Wet Ice	712	Liters	1	L/min
16	34001-0215	Field Blank	PAHs	Air	Field Blank	10/12/2012	Wet Ice	0	Liters	0	L/min
17	34001-0216	P0004	PAHs	Air	Field Sample	10/12/2012	Wet Ice	713	Liters	1	L/min
18	34001-0217	P0011	PAHs	Air	Field Sample	10/12/2012	Wet Ice	714	Liters	1	L/min
19	34001-0218	P0002	PAHs	Air	Field Sample	10/12/2012	Wet Ice	715	Liters	1	L/min
20	34001-0219	P0010	PAHs	Air	Field Sample	10/12/2012	Wet Ice	716	Liters	1	L/min
21	34001-0221	P0005	PAHs	Air	Field Sample	10/12/2012	Wet Ice	720	Liters	1	L/min
22	34001-0222	P0006	PAHs	Air	Field Sample	10/12/2012	Wet Ice	720	Liters	1	L/min
23	34001-0223	P0003	PAHs	Air	Field Sample	10/12/2012	Wet Ice	720	Liters	1	L/min
24	34001-0224	Field Blank	PAHs	Air	Field Blank	10/12/2012	Wet Ice	0	Liters	0	L/min
25	34001-0225	P0004	PAHs	Air	Field Sample	10/12/2012	Wet Ice	711	Liters	1	L/min
26	34001-0226	P0011	PAHs	Air	Field Sample	10/12/2012	Wet Ice	706	Liters	1	L/min

Special Instructions: XAD2- Lot# 7845, PTFE- Lot# 12737-7DC-221

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Received 4°C
TM 10/16/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Samples for analysis	[signature]	10/15/12	[signature]	10/16/12	10:00	All/Analysis	[signature]	10/16/12	[signature]	10/16/12	11:25

RECEIVED
OCT 16 2012
92

SERAS-193-DAR-111312

070

SERAS-193-DAR-111312

USEPA
DateShipped:
CarrierName:
AirbillNo: WO#R210016

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-101112-111703-0018
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
27	34001-0227	P0002	PAHs	Air	Field Sample	10/12/2012	Wet Ice	707	Liters	1	L/min
28	34001-0228	P0010	PAHs	Air	Field Sample	10/12/2012	Wet Ice	700	Liters	1	L/min
29	34001-0230	P0005	PAHs	Air	Field Sample	10/12/2012	Wet Ice	712	Liters	1	L/min
30	34001-0231	P0006	PAHs	Air	Field Sample	10/12/2012	Wet Ice	710	Liters	1	L/min
31	34001-0232	P0003	PAHs	Air	Field Sample	10/12/2012	Wet Ice	706	Liters	1	L/min
32	34001-0233	Field Blank	PAHs	Air	Field Blank	10/12/2012	Wet Ice	0	Liters	0	L/min
33	34001-0234	P0004	PAHs	Air	Field Sample	10/13/2012	Wet Ice	713	Liters	1	L/min
34	34001-0235	P0011	PAHs	Air	Field Sample	10/13/2012	Wet Ice	714	Liters	1	L/min
35	34001-0236	P0002	PAHs	Air	Field Sample	10/13/2012	Wet Ice	720	Liters	1	L/min
36	34001-0237	P0010	PAHs	Air	Field Sample	10/13/2012	Wet Ice	707	Liters	1	L/min
37	34001-0239	P0005	PAHs	Air	Field Sample	10/13/2012	Wet Ice	704	Liters	1	L/min

Special Instructions: XAD2- Lot# 7845, PTFE- Lot# 12737-7DC-221

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Received 4°C
[illegible] 10/16/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Samples for analyses	[illegible]	10/16/12	[illegible]	10/16/12	10:00	All/Analysis	[illegible]	10/16/12	[illegible]	10/16/12	11:25

RECEIVED
OCT 16 2012

071

USEPA
DataShipped:
CarrierName:
AirbillNo:
WO#R210016

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-101112-111703-0018
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
38	34001-0240	P0006	PAHs	Air	Field Sample	10/13/2012	Wet Ice	705	Liters	1	L/min
39	34001-0241	P0003	PAHs	Air	Field Sample	10/13/2012	Wet Ice	707	Liters	1	L/min
40	34001-0242	Field Blank	PAHs	Air	Field Blank	10/13/2012	Wet Ice	0	Liters	0	L/min
41	34001-0243	P0010-co	PAHs	Air	Field Sample	10/12/2012	Wet Ice	698	Liters	1	L/min
42	34001-0244	P0004	PAHs	Air	Field Sample	10/13/2012	Wet Ice	715	Liters	1	L/min
43	34001-0245	P0011	PAHs	Air	Field Sample	10/13/2012	Wet Ice	708	Liters	1	L/min
44	34001-0246	P0002	PAHs	Air	Field Sample	10/13/2012	Wet Ice	700	Liters	1	L/min
45	34001-0247	P0010	PAHs	Air	Field Sample	10/13/2012	Wet Ice	357	Liters	1	L/min
46	34001-0248	P0005	PAHs	Air	Field Sample	10/13/2012	Wet Ice	700	Liters	1	L/min
47	34001-0249	P0006	PAHs	Air	Field Sample	10/13/2012	Wet Ice	700	Liters	1	L/min
48	34001-0250	P0003	PAHs	Air	Field Sample	10/13/2012	Wet Ice	700	Liters	1	L/min
49	34001-0251	Field Blank	PAHs	Air	Field Blank	10/13/2012	Wet Ice	0	Liters	0	L/min

Special Instructions: XAD2- Lot# 7845, PTFE- Lot# 12737-7DC-221

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Received 4°C
10/16/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Samples for analyses	[signature]	10/16/12	[signature]	10/16/12	10:00	All/Analysis	[signature]	10/16/12	[signature]	10/16/12	11:25

RECEIVED
OCT 16 2012

SERAS-193-DAR-111312

072

USEPA
DateShipped:
CarrierName:
AirbillNo:
WO#210016

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-101112-111703-0018
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
50	34001-0253	P0004	PAHs	Air	Field Sample	10/14/2012	Wet Ice	711	Liters	1	L/min
51	34001-0254	P0011	PAHs	Air	Field Sample	10/14/2012	Wet Ice	720	Liters	1	L/min
52	34001-0255	P0002	PAHs	Air	Field Sample	10/14/2012	Wet Ice	720	Liters	1	L/min
53	34001-0256	P0010	PAHs	Air	Field Sample	10/14/2012	Wet Ice	720	Liters	1	L/min
54	34001-0258	P0005	PAHs	Air	Field Sample	10/14/2012	Wet Ice	720	Liters	1	L/min
55	34001-0259	P0006	PAHs	Air	Field Sample	10/14/2012	Wet Ice	720	Liters	1	L/min
56	34001-0260	P0003	PAHs	Air	Field Sample	10/14/2012	Wet Ice	720	Liters	1	L/min
57	34001-0261	Field Blank	PAHs	Air	Field Blank	10/14/2012	Wet Ice	0	Liters	0	L/min
58	34001-0262	P0004	PAHs	Air	Field Sample	10/14/2012	Wet Ice	720	Liters	1	L/min
59	34001-0263	P0011	PAHs	Air	Field Sample	10/14/2012	Wet Ice	720	Liters	1	L/min
60	34001-0264	P0002	PAHs	Air	Field Sample	10/14/2012	Wet Ice	719	Liters	1	L/min

Special Instructions: XAD2- Lot# 7845, PTFE- Lot# 12737-7DC-221

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Received 4°C
10/16/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Samples for analyses	[illegible]	10/15/12	[illegible]	10/16/12	10:00	All Analysis	[illegible]	10/16/12	[illegible]	10/16/12	11:25

RECEIVED
OCT 16 2012

SERAS-193-DAR-111312

073

USEPA
DateShipped:
CarrierName:
AirbillNo:
WO#R210016

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-101112-111703-0018
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
61	34001-0265	P0010	PAHs	Air	Field Sample	10/14/2012	Wet Ice	717	Liters	1	L/min
62	34001-0266	P0005	PAHs	Air	Field Sample	10/14/2012	Wet Ice	720	Liters	1	L/min
63	34001-0267	P0006	PAHs	Air	Field Sample	10/14/2012	Wet Ice	720	Liters	1	L/min
64	34001-0268	P0003	PAHs	Air	Field Sample	10/14/2012	Wet Ice	714	Liters	1	L/min
65	34001-0269	Field Blank	PAHs	Air	Field Blank	10/14/2012	Wet Ice	0	Liters	0	L/min

Special Instructions: XAD2- Lot# 7845, PTFE- Lot# 12737-7DC-221

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Received 48 10/16/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Samples for analyses	[illegible]	10/15/12	[illegible]	10/16/12	10:00	All Analysis	[illegible]	10/16/12	[illegible]	10/16/12	11:25

RECEIVED
OCT 16 2012
21

SERAS-193-DAR-111312

074

USEPA
DateShipped:
CarrierName:
AirbillNo: WO# R210017

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name:
Contact Phone:

No: 2-101612-082856-0021
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
01	34001-0270	P0004	PAHs	Air	Field Sample	10/15/2012	Wet Ice	715	Liters	1	L/min
02	34001-0271	P0011	PAHs	Air	Field Sample	10/15/2012	Wet Ice	715	Liters	1	L/min
03	34001-0272	P0002	PAHs	Air	Field Sample	10/15/2012	Wet Ice	710	Liters	1	L/min
04	34001-0273	P0010	PAHs	Air	Field Sample	10/15/2012	Wet Ice	703	Liters	1	L/min
05	34001-0274	P0010-co	PAHs	Air	Field Sample	10/15/2012	Wet Ice	703	Liters	1.25	L/min
06	34001-0275	P0005	PAHs	Air	Field Sample	10/15/2012	Wet Ice	702	Liters	1.25	L/min
07	34001-0276	P0006	PAHs	Air	Field Sample	10/15/2012	Wet Ice	700	Liters	0.98	L/min
08	34001-0277	P0003	PAHs	Air	Field Sample	10/15/2012	Wet Ice	700	Liters	1	L/min
09	34001-0278	Field Blank	PAHs	Air	Field Blank	10/15/2012	Wet Ice	0	Liters	0	L/min
10	34001-0279	P0004	PAHs	Air	Field Sample	10/15/2012	Wet Ice	716	Liters	1	L/min
11	34001-0280	P0011	PAHs	Air	Field Sample	10/15/2012	Wet Ice	716	Liters	1	L/min

Special Instructions: New lot # for cassettes: 12468-7DC-145 Received 4°C 2210/17/12

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Samples for analyses	[illegible]	10/16/12	[illegible]	10/17/12	16:20	All/Analysis	[illegible]	10/18/12	[illegible]	10/18/12	9:20

RECEIVED
OCT 18 2012

SERAS-193-DAR-111312

075

SERAS-193-DAR-111312

USEPA
DateShipped:
CarrierName:
AirbillNo:
WO# R210007

CHAIN OF CUSTODY RECORD
Hillcrest Recycling Response
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-100412-142520-0005
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Total_Time	Flow_Units
12	34001-0079	P0010	PAHs	Air	Field Sample	10/4/2012	Wet Ice	705	Liters	705	L/min
13	34001-0080	P0005	PAHs	Air	Field Sample	10/4/2012	Wet Ice	710	Liters	710	L/min
14	34001-0081	P0006	PAHs	Air	Field Sample	10/4/2012	Wet Ice	710	Liters	710	L/min
15	34001-0082	P0003	PAHs	Air	Field Sample	10/4/2012	Wet Ice	710	Liters	710	L/min
16	34001-0083	Field Blank	PAHs	Air	Field Blank	10/4/2012	Wet Ice	0	Liters	0	L/min

Special Instructions: XAD2- Lot# 5700, PTFE- Lot# 12468-7DC-145

Received 2°C 10/5/12

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	[signature]	10/4/12	[signature]	10/5/12	10:40	All/Analysis	[signature]	10/5/12	[signature]	10/5/12	11:59

076

USEPA
DateShipped: 10/5/2012

WO#R210008

CHAIN OF CUSTODY RECORD
Site #: 34001
Contact Name: Joseph Brandine
Contact Phone: 516-993-0400

No: 2-100512-111546-0006

Lab: ERT/SERAS
Lab Phone: 732-321-4200

SERAS-193-DAR-111312

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
01	34001-0084	P0004	PAHs	Air	Field Sample	10/4/2012	Wet Ice	720	Liters	1	L/min
02	34001-0085	P0011	PAHs	Air	Field Sample	10/4/2012	Wet Ice	720	Liters	1	L/min
03	34001-0086	P0002	PAHs	Air	Field Sample	10/4/2012	Wet Ice	720	Liters	1	L/min
04	34001-0087	P0010	PAHs	Air	Field Sample	10/4/2012	Wet Ice	720	Liters	1	L/min
05	34001-0088	P0010-co	PAHs	Air	Field Sample	10/4/2012	Wet Ice	720	Liters	1	L/min
06	34001-0089	P0005	PAHs	Air	Field Sample	10/4/2012	Wet Ice	720	Liters	1	L/min
07	34001-0090	P0006	PAHs	Air	Field Sample	10/4/2012	Wet Ice	720	Liters	1	L/min
08	34001-0091	P0003	PAHs	Air	Field Sample	10/4/2012	Wet Ice	720	Liters	1	L/min
09	34001-0092	Field Blank	PAHs	Air	Field Blank	10/4/2012	Wet Ice	0	Liters		L/min
10	34001-0093	P0004	PAHs	Air	Field Sample	10/5/2012	Wet Ice	710	Liters	1	L/min
11	34001-0094	P0011	PAHs	Air	Field Sample	10/5/2012	Wet Ice	710	Liters	1	L/min

Special Instructions: XAD2- Lot# 5700, PTFE- Lot# 12468-7DC-145

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
				10/6/12	10:00AM						

RECEIVED
OCT 6 2012
10:00 AM

077

USEPA

DateShipped: 10/5/2012

CHAIN OF CUSTODY RECORD

Site #: 34001

Contact Name: Joseph Brandine

Contact Phone: 516-993-0400

No: 2-100512-111546-0006

Lab: ERT/SERAS

Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
12	34001-0095	P0002	PAHs	Air	Field Sample	10/5/2012	Wet Ice	710	Liters	1	L/min
13	34001-0096	P0010	PAHs	Air	Field Sample	10/5/2012	Wet Ice	706	Liters	1	L/min
14	34001-0097	P0005	PAHs	Air	Field Sample	10/5/2012	Wet Ice	710	Liters	1	L/min
15	34001-0098	P0006	PAHs	Air	Field Sample	10/5/2012	Wet Ice	713	Liters	1	L/min
16	34001-0099	P0003	PAHs	Air	Field Sample	10/5/2012	Wet Ice	713	Liters	1	L/min
17	34001-0100	Field Blank	PAHs	Air	Field Blank	10/5/2012	Wet Ice	0	Liters	0	L/min

Special Instructions: XAD2- Lot# 5700; PTFE- Lot# 12468-7DC-145

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Analysis	[signature]	10/5/12	[signature]	10/6/12	10:00 AM						

RECEIVED OCT 6 2012 [signature] 10:00 AM

SERAS-193-DAR-111312

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Page 1

USEPA

CHAIN OF CUSTODY RECORD

Site #: 34001

Contact Name: Joe Brandine

Contact Phone: 516-993-0400

No: 2-100612-114025-0007

Lab: ERT/SERAS

Lab Phone: 732-321-4200

WO# R210010

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
01	34001-0101	P0004	PAHs	Air	Field Sample	10/5/2012	Wet Ice	417	Liters	1	L/min
02	34001-0102	P0011	PAHs	Air	Field Sample	10/5/2012	Wet Ice	707	Liters	1	L/min
03	34001-0103	P0002	PAHs	Air	Field Sample	10/5/2012	Wet Ice	701	Liters	1	L/min
04	34001-0104	P0010	PAHs	Air	Field Sample	10/5/2012	Wet Ice	707	Liters	1	L/min
05	34001-0105	P0005	PAHs	Air	Field Sample	10/5/2012	Wet Ice	704	Liters	1	L/min
06	34001-0106	P0006	PAHs	Air	Field Sample	10/5/2012	Wet Ice	700	Liters	1	L/min
07	34001-0107	P0003	PAHs	Air	Field Sample	10/5/2012	Wet Ice	708	Liters	1	L/min
08	34001-0108	Field Blank	PAHs	Air	Field Blank	10/5/2012	Wet Ice		Liters	0	L/min

Special Instructions: XAD2- Lot# 5700, PTFE- Lot# 12468-7DC-145

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Received 2°C 10/9/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All analyses	[signature]	10/6/12	[signature]	10/9/12	10:30	All/Analysis	[signature]	10/9/12	[signature]	10/9/12	11:26

RECEIVED OCT 9 2012

SERAS-193-DAR-111312

079

Page 1

USEPA

CHAIN OF CUSTODY RECORD

Site #: 34001

Contact Name: Joe Brandine

Contact Phone: 516-993-0400

No: 2-100612-114405-0008

Lab: ERT/SERAS

Lab Phone: 732-321-4200

SERAS-193-DAR-111312

VO# R210010

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
09	34001-0109	P0004	PAHs	Air	Field Sample	10/6/2012	Wet Ice	703	Liters	1	L/min
10	34001-0110	P0011	PAHs	Air	Field Sample	10/6/2012	Wet Ice	720	Liters	1	L/min
11	34001-0111	P0002	PAHs	Air	Field Sample	10/6/2012	Wet Ice	720	Liters	1	L/min
12	34001-0112	P0010	PAHs	Air	Field Sample	10/6/2012	Wet Ice	720	Liters	1	L/min
13	34001-0113	P0005	PAHs	Air	Field Sample	10/6/2012	Wet Ice	720	Liters	1	L/min
14	34001-0114	P0006	PAHs	Air	Field Sample	10/6/2012	Wet Ice	713	Liters	1	L/min
15	34001-0115	P0003	PAHs	Air	Field Sample	10/6/2012	Wet Ice	713	Liters	1	L/min
16	34001-0116	Field Blank	PAHs	Air	Field Blank	10/6/2012	Wet Ice		Liters	0	L/min

Special Instructions: XAD2- Lot# 5700, PTFE- Lot# 12468-7DC-145

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Received 2°C TM 10/9/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All analyses	[signature]	10/6/12	[signature]	10/9/12	10:30	All Analysis	[signature]	10/9/12	[signature]	10/9/12	11:26

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080

USEPA

SERAS-193-DAR-111312

CHAIN OF CUSTODY RECORD

Site #: 34001
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-100712-104945-0009

Lab: ERT/SERAS
Lab Phone: 732-321-4200

WO# R210010

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
17	34001-0117	P0004	PAHs	Air	Field Sample	10/6/2012	Wet Ice	688	Liters	1	L/min
18	34001-0118	P0011	PAHs	Air	Field Sample	10/6/2012	Wet Ice	680	Liters	1	L/min
19	34001-0119	P0002	PAHs	Air	Field Sample	10/6/2012	Wet Ice	685	Liters	1	L/min
20	34001-0120	P0010	PAHs	Air	Field Sample	10/6/2012	Wet Ice	684	Liters	1	L/min
21	34001-0121	P0005	PAHs	Air	Field Sample	10/6/2012	Wet Ice	704	Liters	1	L/min
22	34001-0122	P0006	PAHs	Air	Field Sample	10/6/2012	Wet Ice	705	Liters	1	L/min
23	34001-0123	P0003	PAHs	Air	Field Sample	10/6/2012	Wet Ice	704	Liters	1	L/min
24	34001-0124	Field Blank	PAHs	Air	Field Blank	10/5/2012	Wet Ice		Liters	0	L/min

Special Instructions: XAD2- Lot# 5700, PTFE- Lot# 12468-7DC-145

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Receivd DC 10/9/12

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All analyses	McCall	10/7/12	Tracy Thorne	10/9/12	10:30	All/Analysis	Tracy Thorne	10/9/12	9. Dyk	10/9/12	11:26

RECEIVED
OCT 9 2012

USEPA

CHAIN OF CUSTODY RECORD

Site #: 34001
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-100712-105025-0010

Lab: ERT/SERAS
Lab Phone: 732-321-4200

WO# R210010

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
25	34001-0125	P0004	PAHs	Air	Field Sample	10/7/2012	Wet Ice	720	Liters	1	L/min
26	34001-0126	P0011	PAHs	Air	Field Sample	10/7/2012	Wet Ice	720	Liters	1	L/min
27	34001-0127	P0002	PAHs	Air	Field Sample	10/7/2012	Wet Ice	720	Liters	1	L/min
28	34001-0128	P0010	PAHs	Air	Field Sample	10/7/2012	Wet Ice	710	Liters	1	L/min
29	34001-0129	P0010-co	PAHs	Air	Field Sample	10/7/2012	Wet Ice	710	Liters	1	L/min
30	34001-0130	P0005	PAHs	Air	Field Sample	10/7/2012	Wet Ice	710	Liters	1	L/min
31	34001-0131	P0006	PAHs	Air	Field Sample	10/7/2012	Wet Ice	710	Liters	1	L/min
32	34001-0132	P0003	PAHs	Air	Field Sample	10/7/2012	Wet Ice	715	Liters	1	L/min
33	34001-0133	Field Blank	PAHs	Air	Field Blank	10/7/2012	Wet Ice	0	Liters		L/min

Special Instructions: XAD2- Lot# 5700, PTFE- Lot# 12468-7DC-145
BS/BSD included Received 2°C 10/9/12

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All analyses	J McCall	10/7/12	Tommy Thomas	10/9/12	10:30	All/Analysis	Tommy Thomas	10/9/12	J. Dyal	10/9/12	11:26

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OCT 9 2012

SERAS-193-DAR-111312

082

USEPA

SERAS-193-DAR-111312

SERAS-193-DAR-111312-4 Rev

CHAIN OF CUSTODY RECORD

Site #: 34001
Contact Name: Joe Brandine
Contact Phone: 516-993-0400

No: 2-100812-111237-0011

Lab: ERT/SERAS
Lab Phone: 732-321-4200

WO# R210010

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
34	34001-0134	P0004	PAHs	Air	Field Sample	10/7/2012	Wet Ice	706	Liters	1	L/min
35	34001-0135	P0011	PAHs	Air	Field Sample	10/7/2012	Wet Ice	701	Liters	1	L/min
36	34001-0136	P0002	PAHs	Air	Field Sample	10/7/2012	Wet Ice	704	Liters	1	L/min
37	34001-0137	P0010	PAHs	Air	Field Sample	10/7/2012	Wet Ice	693	Liters	1	L/min
38	34001-0138	P0005	PAHs	Air	Field Sample	10/7/2012	Wet Ice	690	Liters	1	L/min
39	34001-0139	P0006	PAHs	Air	Field Sample	10/7/2012	Wet Ice	688	Liters	1	L/min
40	34001-0140	P0003	PAHs	Air	Field Sample	10/7/2012	Wet Ice	690	Liters	1	L/min
41	34001-0141	Field Blank	PAHs	Air	Field Blank	10/7/2012	Wet Ice		Liters	0	L/min

Special Instructions: XAD2- Lot# 5700, PTFE- Lot# 12468-7DC-145

Received 2°C

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All analyses	[signature]	10/8/12	[signature]	10/9/12	10:30	All Analysis	[signature]	10/9/12	[signature]	10/9/12	11:26

RECEIVED
OCT 9 2012

083

USEPA

CHAIN OF CUSTODY RECORD

Site #: 34001

Contact Name: Joe Brandine

Contact Phone: 516-993-0400

No: 2-100812-111254-0012

Lab: ERT/SERAS

Lab Phone: 732-321-4200

SERAS-193-DAR-111312

WO#R210010

Lab #	Sample #	Location	Analyses	Matrix	Sample Type	Collected	Preservative	Volume	Vol Units	Avg_Flow	Flow_Units
42	34001-0142	P0004	PAHs	Air	Field Sample	10/8/2012	Wet Ice	720	Liters	1	L/min
43	34001-0143	P0011	PAHs	Air	Field Sample	10/8/2012	Wet Ice	720	Liters	1	L/min
44	34001-0144	P0002	PAHs	Air	Field Sample	10/8/2012	Wet Ice	720	Liters	1	L/min
45	34001-0145	P0010	PAHs	Air	Field Sample	10/8/2012	Wet Ice	720	Liters	1	L/min
46	34001-0146	P0005	PAHs	Air	Field Sample	10/8/2012	Wet Ice	720	Liters	1	L/min
47	34001-0147	P0006	PAHs	Air	Field Sample	10/8/2012	Wet Ice	720	Liters	1	L/min
48	34001-0148	P0003	PAHs	Air	Field Sample	10/8/2012	Wet Ice	720	Liters	1	L/min
49	34001-0149	Field Blank	PAHs	Air	Field Blank	10/8/2012	Wet Ice		Liters	0	L/min

Special Instructions: XAD2- Lot# 5700; PTFE- Lot# 12468-7DC-145

Received 2°C 10/9/12

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All analyses	[illegible]	10/8/12	[illegible]	10/9/12	10:30	All Analysis	[illegible]	10/9/12	[illegible]	10/9/12	11:26

RECEIVED OCT 9 2012

Attachment G – Area RAE Raw Data (Compact Disc)