January 19, 2015

Stephanie Fitzgerald
New York State Department of Environmental Conservation
615 Erie Boulevard West
Syracuse, New York 13204-2400

Re: ARAMARK Uniform Services (VCP Site #V00665-7)
2014 Periodic Review Report and Certification of Institutional Controls

File: 909.001.004

Dear Ms. Fitzgerald:

In accordance with the Site Management Plan (SMP), Barton & Loguidice, D.P.C. (B&L) has prepared the 2014 Periodic Review Report and Certification of Institutional Controls for operation of the Sub-Slab Depressurization System (SSDS) at the ARAMARK Uniform Services property (Site). The Site, located at 3009 and 3117 Milton Avenue in Solvay, New York was remediated in accordance with the Voluntary Cleanup Agreement (VCA) Index #B7-0643-03-09, Site # V00665-7. The following activities were conducted in 2014 with summaries provided below:

- Annual groundwater monitoring was discontinued per NYSDEC correspondence dated May 15, 2014 (see Attachment A);
- Annual sub-slab vapor monitoring at locations VP-A & VP-B;
- Annual site-wide and SSDS inspections;
- Periodic Review Report; and
- Certification of Institutional Controls.

Sub-Slab Vapor Sampling Summary

Two sub-slab vapor monitoring points (VP-A and VP-B) were sampled on October 24, 2014 (refer to Figure 1). Samples were submitted to ALS Laboratories, Inc. for analysis of VOCs via EPA Method TO-15. Sub-slab vapor results are generally lower than prior monitoring rounds. Results still exist that are above NYSDOH decision matrix threshold that warrant ongoing monitoring. The sub-slab vapor data summary tables are provided in Attachment B and the full laboratory reports are provided in Attachment C. One round of sub-slab vapor monitoring will be conducted in 2015 in accordance with the SMP.

290 Elwood Davis Road · Box 3107 · Syracuse, New York 13220
Telephone: 315-457-5200 · Facsimile: 315-451-0052 · www.BartonandLoguidice.com

SSD System Inspection Summary

The annual site wide inspection and SSDS inspection was performed on October 24, 2014. ARAMARK personnel also perform weekly maintenance checks on the system. The system is operating in accordance with the Remedial Action Work Plan. The site wide inspection form is provided in Attachment D and the SSDS inspection forms are provided in Attachment E.

Certification of Engineering and Institutional Controls

The system is operating in accordance with the SMP as certified in Attachment F.

Summary and Conclusion

Sub-slab vapor monitoring will continue in 2015 on an annual basis in accordance with the SMP. The SSDS is operating in accordance with the design provided as part of the Remedial Action Work Plan.

Per the SMP and correspondence with NYSDEC, groundwater monitoring for natural attenuation was considered complete as two consecutive rounds of annual water quality data demonstrated stabilization or reduction of the contamination plume. As such, we will update the SMP and decommission the remaining groundwater monitoring wells.

Please contact me if you have any questions regarding the 2014 monitoring data, SSDS operation or groundwater monitoring termination request.

Very truly yours,

BARTON & LOGUIDICE, D.P.C.

David R. Hanny, CPESC, CPSWQ, LEED AP
Senior Managing Environmental Scientist

DRH/akg
Attachments

Figure 1

Site Management Plan Monitoring Locations

32' 0 32' 64'
1/32"=1'-0"

N

MILTON AVENUE

SIDEWALK
SIDEWALK
SIDEWALK
SIDEWALK
SIDEWALK

TRANSFORMER
MW-B
MW-A
PANELS ELECTRIC
VP-A
VP-B
MW-2

WITHIN THIS AREA, ALL JOINTS, CRACKS, SUMPS AND PIPE/UTILITY PENETRATIONS SHALL BE PROPERLY SEALED TO PREVENT INTRUSION OF SOIL VAPORS AND INTERNAL PRESSURE VARIANCES, SEE NOTES ON SHEET 2.

EXISTING CO2 AST (FORMER LOCATION OF 12,000 GALLON FUEL OIL UST)

APPROXIMATE ROOF AREA ALREADY OCCUPIED BY VENTS

INCLINED MAT TABLE
MAT SHELVES
MAT SHELVES
MAT SHELVES
MAT SHELVES
SHOP TOWEL STORAGE
LINEN SHELVES

3117 MILTON AVENUE

3109 MILTON AVENUE

BAILEY AVENUE

TANK SLUDGE
DAF VESSEL
E.Q. TANK
E.Q. TANK

SUB-SLAB DEPRESSURIZATION SUCTION PIT

SUMP

BASEMENT

APPROXIMATE ZONE OF AIR INTAKE INFLUENCE- SSDS VENT SHALL NOT BE PLACED WITHIN LIMITS OF ZONE OF INFLUENCE

APPROXIMATE LOCATION OF AIR INTAKE

SIDEWALK

LEGEND:

- SITE BOUNDARY
- SUB-SLAB VAPOR SURVEY POINT
- MW-A GROUNDWATER MONITORING WELL LOCATION
- LIMITS OF SEALANT

ARAMARK UNIFORM SERVICES (SYRACUSE), LLC.

SITE MANAGEMENT PLAN
SITE MANAGEMENT PLAN MONITORING LOCATIONS

ONONDAGA COUNTY, NEW YORK

VILLAGE OF SOLVAY

Barton & Loguidice, D.P.C.

Date
JANUARY, 2015

Scale
AS SHOWN

Figure Number
1

Project Number
909.001.003

Plotted: Jan 23, 2015 - 1:35PM SYR By: jgs
I:\Shared\900\909001\SMP\909001_SMP_01_01-23-15.dwg

Attachment A

Groundwater Monitoring
NYSDEC Approval of Termination

David Hanny

From: Brian Davidson <bhdavids@gw.dec.state.ny.us>
Sent: Thursday, May 15, 2014 3:35 PM
To: David Hanny
Subject: Re: FW: ARAMARK Solvay 2013 Periodic Review Report

Dave,

Your 2013 Period Review Report dated January 14, 2014 has been reviewed and we concur that based on the groundwater data, the natural attenuation monitoring requirement has been satisfied and groundwater monitoring can be discontinued.

Brian Davidson
Remedial Project Manager

>>> David Hanny <Dhanny@bartonandloguidice.com> 5/15/2014 9:52 AM >>>

David R. Hanny, CPESC, CPSWQ, LEED AP
Barton & Loguidice, D.P.C.

From: David Hanny
Sent: Wednesday, January 22, 2014 4:59 PM
To: 'Brian Davidson'
Cc: 'Sam Niemann'
Subject: ARAMARK Solvay 2013 Periodic Review Report

Hi Brian,

I hope all is well. Please find attached the 2013 Periodic Review Report for ARAMARK Solvay. Can you please acknowledge receipt and let me know if you would like me to provide hard copies. Per the approved Site Management Plan we are requesting termination of the groundwater monitoring program in 2014. Please let me know of any questions regarding the report. Thank you,

David R. Hanny, CPESC, CPSWQ, LEED AP
Senior Managing Environmental Scientist

Barton & Loguidice, D.P.C.
Engineers, Environmental Scientists, Planners, Landscape Architects

11 Centre Park • Suite 203 • Rochester, NY 14614 • Phone: (585) 325-7190
www.bartonandloguidice.com

Attachment B

Sub-Slab Vapor Data Summary Tables

Table 1
ARAMARK Uniform Services
Voluntary Cleanup Project
Solvay, NY

Post Construction Vapor Sampling Summary

Compounds	Sub-Slab Vapor Summary Table (mcg/m3)			
	Trichloroethene (mcg/m3)	Carbon Tetrachloride (mcg/m3)	Tetrachloroethene (mcg/m3)	1,1,1-Trichloroethane (mcg/m3)
NYSDOH Sub-Slab Threshold Requiring Monitoring (mcg/m3)	5	5	100	100
VP-A				
03-Aug-11	**19**	ND	**360**	8.3
22-Dec-11	**6.7**	1.7	**130**	1.6
04-Oct-12	**6.2**	ND	**140**	0.9
08-Aug-13	**12**	3.1	**220**	1.7
24-Oct-14	3	ND	62	ND
VP-B				
03-Aug-11	**78**	ND	**2900**	10
22-Dec-11	**12**	1.9	**530**	2.5
04-Oct-12	3.6	ND	**190**	ND
08-Aug-13	**54**	0.62	**65**	0.11
24-Oct-14	ND	ND	**140**	ND

Notes:

= Exceeds NYSDOH Minimum Sub-Slab Concentration Requiring Monitoring

ND = Not Detected at laboratory minimum detection limit

Attachment C

2014 Sub-Slab Vapor Laboratory Report

ALS Environmental

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

November 6, 2014

Mr. Brian McGrath
Barton & Loguidice
11 Centre St., Suite 203
Rochester, NY 14614

Certificate of Analysis

Project Name:	**Aramark Solvay - TO-15**	Workorder:	**2037060**
Purchase Order:		Workorder ID:	**Aramark Solvay**

Dear Mr. McGrath:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, October 28, 2014.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Vicki A. Forney (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Vicki Forney
Mrs. Vicki A. Forney
Project Coordinator

ALS Environmental

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

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SAMPLE SUMMARY

Workorder: 2037060 Aramark Solvay

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2037060001	VP - A (Western)	Air	10/24/2014 11:11	10/28/2014 15:30	Collected by Client
2037060002	VP - B (Eastern)	Air	10/24/2014 11:30	10/28/2014 15:30	Collected by Client

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
-- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit

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ANALYTICAL RESULTS

Workorder: 2037060 Aramark Solvay

Lab ID: **2037060001** Date Collected: 10/24/2014 11:11 Matrix: Air

Sample ID: **VP - A (Western)** Date Received: 10/28/2014 15:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS @ STP									
Acetone	18		ug/m3	0.5	TO-15		11/5/14 20:26	ECB	A
Acrylonitrile	ND		ug/m3	0.4	TO-15		11/5/14 20:26	ECB	A
tert-Amyl methyl ether	ND		ug/m3	0.8	TO-15		11/5/14 20:26	ECB	A
Benzene	ND		ug/m3	0.6	TO-15		11/5/14 20:26	ECB	A
Benzyl Chloride	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
Bromodichloromethane	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
Bromoform	ND		ug/m3	2	TO-15		11/5/14 20:26	ECB	A
Bromomethane	ND		ug/m3	0.8	TO-15		11/5/14 20:26	ECB	A
1,3-Butadiene	ND		ug/m3	0.4	TO-15		11/5/14 20:26	ECB	A
n-Butane	ND		ug/m3	0.5	TO-15		11/5/14 20:26	ECB	A
2-Butanone	5		ug/m3	0.6	TO-15		11/5/14 20:26	ECB	A
tert-Butyl Alcohol	ND		ug/m3	0.6	TO-15		11/5/14 20:26	ECB	A
Carbon Disulfide	ND		ug/m3	0.6	TO-15		11/5/14 20:26	ECB	A
Carbon Tetrachloride	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
Chlorobenzene	ND		ug/m3	0.9	TO-15		11/5/14 20:26	ECB	A
Chlorodibromomethane	ND		ug/m3	2	TO-15		11/5/14 20:26	ECB	A
Chloroethane	ND		ug/m3	0.5	TO-15		11/5/14 20:26	ECB	A
Chloroform	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
Chloromethane	ND		ug/m3	0.4	TO-15		11/5/14 20:26	ECB	A
3-Chloro-1-propene	ND		ug/m3	0.6	TO-15		11/5/14 20:26	ECB	A
o-Chlorotoluene	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
Cyclohexane	ND		ug/m3	0.7	TO-15		11/5/14 20:26	ECB	A
1,2-Dibromoethane	ND		ug/m3	2	TO-15		11/5/14 20:26	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
Dichlorodifluoromethane	2400		ug/m3	20	TO-15		11/5/14 21:10	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.8	TO-15		11/5/14 20:26	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.8	TO-15		11/5/14 20:26	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.8	TO-15		11/5/14 20:26	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.8	TO-15		11/5/14 20:26	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.8	TO-15		11/5/14 20:26	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.9	TO-15		11/5/14 20:26	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.9	TO-15		11/5/14 20:26	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.9	TO-15		11/5/14 20:26	ECB	A
1,3-Dichloropropene, Total	ND		ug/m3	2	TO-15		11/5/14 20:26	ECB	A
Diisopropyl ether	ND		ug/m3	0.8	TO-15		11/5/14 20:26	ECB	A

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 2037060 Aramark Solvay

Lab ID: **2037060001** Date Collected: 10/24/2014 11:11 Matrix: Air

Sample ID: **VP - A (Western)** Date Received: 10/28/2014 15:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
1,4-Dioxane	ND		ug/m3	0.7	TO-15		11/5/14 20:26	ECB	A
Ethanol	ND		ug/m3	0.4	TO-15		11/5/14 20:26	ECB	A
Ethyl Acetate	1		ug/m3	0.8	TO-15		11/5/14 20:26	ECB	A
Ethyl tert-butyl ether	ND		ug/m3	0.8	TO-15		11/5/14 20:26	ECB	A
Ethylbenzene	ND		ug/m3	0.9	TO-15		11/5/14 20:26	ECB	A
4-Ethyltoluene	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
Freon 113	ND		ug/m3	2	TO-15		11/5/14 20:26	ECB	A
Freon-114	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
Heptane	ND		ug/m3	0.8	TO-15		11/5/14 20:26	ECB	A
Hexachlorobutadiene	ND		ug/m3	2	TO-15		11/5/14 20:26	ECB	A
Hexane	1		ug/m3	0.7	TO-15		11/5/14 20:26	ECB	A
2-Hexanone	ND		ug/m3	0.8	TO-15		11/5/14 20:26	ECB	A
Isopropyl Alcohol	1		ug/m3	0.5	TO-15		11/5/14 20:26	ECB	A
Isopropylbenzene	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
p-Isopropyltoluene	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
Methyl Methacrylate	ND		ug/m3	0.8	TO-15		11/5/14 20:26	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.7	TO-15		11/5/14 20:26	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/m3	0.8	TO-15		11/5/14 20:26	ECB	A
Methylene Chloride	6		ug/m3	0.7	TO-15		11/5/14 20:26	ECB	A
Naphthalene	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
iso-Octane	ND		ug/m3	0.9	TO-15		11/5/14 20:26	ECB	A
n-Propylbenzene	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
Propylene	ND		ug/m3	0.3	TO-15		11/5/14 20:26	ECB	A
Styrene	ND		ug/m3	0.8	TO-15		11/5/14 20:26	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
Tetrachloroethene	62		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
Tetrahydrofuran	2		ug/m3	0.6	TO-15		11/5/14 20:26	ECB	A
Toluene	0.8		ug/m3	0.8	TO-15		11/5/14 20:26	ECB	A
Total Xylenes	ND		ug/m3	3	TO-15		11/5/14 20:26	ECB	A
1,2,4-Trichlorobenzene	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
1,1,2-Trichloroethane	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
Trichloroethene	3		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
Trichlorofluoromethane	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
1,2,3-Trichloropropane	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
1,2,4-Trimethylbenzene	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A
1,2,3-Trimethylbenzene	ND		ug/m3	1	TO-15		11/5/14 20:26	ECB	A

ALS Environmental

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

ANALYTICAL RESULTS

Workorder: 2037060 Aramark Solvay

Lab ID: **2037060001** Date Collected: 10/24/2014 11:11 Matrix: Air

Sample ID: **VP - A (Western)** Date Received: 10/28/2014 15:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Vinyl Acetate	ND		ug/m3	0.7	TO-15		11/5/14 20:26	ECB	A
Vinyl Bromide	ND		ug/m3	0.9	TO-15		11/5/14 20:26	ECB	A
Vinyl Chloride	ND		ug/m3	0.5	TO-15		11/5/14 20:26	ECB	A
o-Xylene	ND		ug/m3	0.9	TO-15		11/5/14 20:26	ECB	A
mp-Xylene	ND		ug/m3	2	TO-15		11/5/14 20:26	ECB	A
Acetone	7.7		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Acrylonitrile	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
tert-Amyl methyl ether	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Benzene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Benzyl Chloride	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Bromodichloromethane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Bromoform	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Bromomethane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
1,3-Butadiene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
n-Butane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
2-Butanone	1.7		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
tert-Butyl Alcohol	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Carbon Disulfide	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Carbon Tetrachloride	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Chlorobenzene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Chlorodibromomethane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Chloroethane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Chloroform	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Chloromethane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
3-Chloro-1-propene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
o-Chlorotoluene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Cyclohexane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
1,2-Dibromoethane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
1,2-Dichlorobenzene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
1,3-Dichlorobenzene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
1,4-Dichlorobenzene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Dichlorodifluoromethane	480		ppbv	4.0	TO-15		11/5/14 21:10	ECB	A
1,1-Dichloroethane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
1,2-Dichloroethane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
1,1-Dichloroethene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
cis-1,2-Dichloroethene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
trans-1,2-Dichloroethene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
1,2-Dichloropropane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A

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ANALYTICAL RESULTS

Workorder: 2037060 Aramark Solvay

Lab ID: **2037060001** Date Collected: 10/24/2014 11:11 Matrix: Air

Sample ID: **VP - A (Western)** Date Received: 10/28/2014 15:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
cis-1,3-Dichloropropene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
trans-1,3-Dichloropropene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
1,3-Dichloropropene, Total	ND		ppbv	0.40	TO-15		11/5/14 20:26	ECB	A
Diisopropyl ether	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
1,4-Dioxane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Ethanol	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Ethyl Acetate	0.40		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Ethyl tert-butyl ether	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Ethylbenzene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
4-Ethyltoluene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Freon 113	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Freon-114	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Heptane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Hexachlorobutadiene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Hexane	0.36		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
2-Hexanone	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Isopropyl Alcohol	0.45		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Isopropylbenzene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
p-Isopropyltoluene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Methyl methacrylate	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Methyl t-Butyl Ether	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Methylene Chloride	1.8		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Naphthalene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
iso-Octane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
n-Propylbenzene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Propylene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Styrene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Tetrachloroethene	9.1		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Tetrahydrofuran	0.68		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Toluene	0.20		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Total Xylenes	ND		ppbv	0.60	TO-15		11/5/14 20:26	ECB	A
1,2,4-Trichlorobenzene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
1,1,1-Trichloroethane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
1,1,2-Trichloroethane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Trichloroethene	0.54		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Trichlorofluoromethane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A

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ANALYTICAL RESULTS

Workorder: 2037060 Aramark Solvay

Lab ID: **2037060001** Date Collected: 10/24/2014 11:11 Matrix: Air

Sample ID: **VP - A (Western)** Date Received: 10/28/2014 15:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
1,2,3-Trichloropropane	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
1,2,4-Trimethylbenzene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
1,3,5-Trimethylbenzene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
1,2,3-Trimethylbenzene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Vinyl Acetate	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Vinyl Bromide	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
Vinyl Chloride	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
o-Xylene	ND		ppbv	0.20	TO-15		11/5/14 20:26	ECB	A
mp-Xylene	ND		ppbv	0.40	TO-15		11/5/14 20:26	ECB	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared By*	*Analyzed*	*By*	*Cntr*
4-Bromofluorobenzene (S)	105		%	70 - 130	TO-15		11/5/14 21:10	ECB	A
4-Bromofluorobenzene (S)	100		%	70 - 130	TO-15		11/5/14 20:26	ECB	A

Vicki Forney

Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2037060 Aramark Solvay

Lab ID: **2037060002** Date Collected: 10/24/2014 11:30 Matrix: Air

Sample ID: **VP - B (Eastern)** Date Received: 10/28/2014 15:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS @ STP									
Acetone	5		ug/m3	0.5	TO-15		11/5/14 21:49	ECB	A
Acrylonitrile	ND		ug/m3	0.4	TO-15		11/5/14 21:49	ECB	A
tert-Amyl methyl ether	ND		ug/m3	0.8	TO-15		11/5/14 21:49	ECB	A
Benzene	0.9		ug/m3	0.6	TO-15		11/5/14 21:49	ECB	A
Benzyl Chloride	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
Bromodichloromethane	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
Bromoform	ND		ug/m3	2	TO-15		11/5/14 21:49	ECB	A
Bromomethane	ND		ug/m3	0.8	TO-15		11/5/14 21:49	ECB	A
1,3-Butadiene	ND		ug/m3	0.4	TO-15		11/5/14 21:49	ECB	A
n-Butane	ND		ug/m3	0.5	TO-15		11/5/14 21:49	ECB	A
2-Butanone	0.9		ug/m3	0.6	TO-15		11/5/14 21:49	ECB	A
tert-Butyl Alcohol	ND		ug/m3	0.6	TO-15		11/5/14 21:49	ECB	A
Carbon Disulfide	ND		ug/m3	0.6	TO-15		11/5/14 21:49	ECB	A
Carbon Tetrachloride	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
Chlorobenzene	ND		ug/m3	0.9	TO-15		11/5/14 21:49	ECB	A
Chlorodibromomethane	ND		ug/m3	2	TO-15		11/5/14 21:49	ECB	A
Chloroethane	ND		ug/m3	0.5	TO-15		11/5/14 21:49	ECB	A
Chloroform	68		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
Chloromethane	ND		ug/m3	0.4	TO-15		11/5/14 21:49	ECB	A
3-Chloro-1-propene	ND		ug/m3	0.6	TO-15		11/5/14 21:49	ECB	A
o-Chlorotoluene	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
Cyclohexane	1		ug/m3	0.7	TO-15		11/5/14 21:49	ECB	A
1,2-Dibromoethane	ND		ug/m3	2	TO-15		11/5/14 21:49	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
Dichlorodifluoromethane	2		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.8	TO-15		11/5/14 21:49	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.8	TO-15		11/5/14 21:49	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.8	TO-15		11/5/14 21:49	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.8	TO-15		11/5/14 21:49	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.8	TO-15		11/5/14 21:49	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.9	TO-15		11/5/14 21:49	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.9	TO-15		11/5/14 21:49	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.9	TO-15		11/5/14 21:49	ECB	A
1,3-Dichloropropene, Total	ND		ug/m3	2	TO-15		11/5/14 21:49	ECB	A
Diisopropyl ether	ND		ug/m3	0.8	TO-15		11/5/14 21:49	ECB	A

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ANALYTICAL RESULTS

Workorder: 2037060 Aramark Solvay

Lab ID: **2037060002** Date Collected: 10/24/2014 11:30 Matrix: Air

Sample ID: **VP - B (Eastern)** Date Received: 10/28/2014 15:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
1,4-Dioxane	ND		ug/m3	0.7	TO-15		11/5/14 21:49	ECB	A
Ethanol	8		ug/m3	0.4	TO-15		11/5/14 21:49	ECB	A
Ethyl Acetate	ND		ug/m3	0.8	TO-15		11/5/14 21:49	ECB	A
Ethyl tert-butyl ether	ND		ug/m3	0.8	TO-15		11/5/14 21:49	ECB	A
Ethylbenzene	1		ug/m3	0.9	TO-15		11/5/14 21:49	ECB	A
4-Ethyltoluene	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
Freon 113	ND		ug/m3	2	TO-15		11/5/14 21:49	ECB	A
Freon-114	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
Heptane	ND		ug/m3	0.8	TO-15		11/5/14 21:49	ECB	A
Hexachlorobutadiene	ND		ug/m3	2	TO-15		11/5/14 21:49	ECB	A
Hexane	1		ug/m3	0.7	TO-15		11/5/14 21:49	ECB	A
2-Hexanone	ND		ug/m3	0.8	TO-15		11/5/14 21:49	ECB	A
Isopropyl Alcohol	0.8		ug/m3	0.5	TO-15		11/5/14 21:49	ECB	A
Isopropylbenzene	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
p-Isopropyltoluene	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
Methyl Methacrylate	ND		ug/m3	0.8	TO-15		11/5/14 21:49	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.7	TO-15		11/5/14 21:49	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/m3	0.8	TO-15		11/5/14 21:49	ECB	A
Methylene Chloride	5		ug/m3	0.7	TO-15		11/5/14 21:49	ECB	A
Naphthalene	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
iso-Octane	2		ug/m3	0.9	TO-15		11/5/14 21:49	ECB	A
n-Propylbenzene	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
Propylene	ND		ug/m3	0.3	TO-15		11/5/14 21:49	ECB	A
Styrene	ND		ug/m3	0.8	TO-15		11/5/14 21:49	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
Tetrachloroethene	140		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
Tetrahydrofuran	ND		ug/m3	0.6	TO-15		11/5/14 21:49	ECB	A
Toluene	13		ug/m3	0.8	TO-15		11/5/14 21:49	ECB	A
Total Xylenes	8		ug/m3	3	TO-15		11/5/14 21:49	ECB	A
1,2,4-Trichlorobenzene	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
1,1,2-Trichloroethane	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
Trichloroethene	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
Trichlorofluoromethane	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
1,2,3-Trichloropropane	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
1,2,4-Trimethylbenzene	2		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A
1,2,3-Trimethylbenzene	ND		ug/m3	1	TO-15		11/5/14 21:49	ECB	A

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ANALYTICAL RESULTS

Workorder: 2037060 Aramark Solvay

Lab ID: **2037060002** Date Collected: 10/24/2014 11:30 Matrix: Air

Sample ID: **VP - B (Eastern)** Date Received: 10/28/2014 15:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Vinyl Acetate	ND		ug/m3	0.7	TO-15		11/5/14 21:49	ECB	A
Vinyl Bromide	ND		ug/m3	0.9	TO-15		11/5/14 21:49	ECB	A
Vinyl Chloride	ND		ug/m3	0.5	TO-15		11/5/14 21:49	ECB	A
o-Xylene	3		ug/m3	0.9	TO-15		11/5/14 21:49	ECB	A
mp-Xylene	5		ug/m3	2	TO-15		11/5/14 21:49	ECB	A
Acetone	2.0		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Acrylonitrile	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
tert-Amyl methyl ether	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Benzene	0.30		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Benzyl Chloride	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Bromodichloromethane	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Bromoform	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Bromomethane	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
1,3-Butadiene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
n-Butane	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
2-Butanone	0.32		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
tert-Butyl Alcohol	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Carbon Disulfide	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Carbon Tetrachloride	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Chlorobenzene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Chlorodibromomethane	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Chloroethane	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Chloroform	14		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Chloromethane	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
3-Chloro-1-propene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
o-Chlorotoluene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Cyclohexane	0.42		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
1,2-Dibromoethane	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
1,2-Dichlorobenzene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
1,3-Dichlorobenzene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
1,4-Dichlorobenzene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Dichlorodifluoromethane	0.34		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
1,1-Dichloroethane	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
1,2-Dichloroethane	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
1,1-Dichloroethene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
cis-1,2-Dichloroethene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
trans-1,2-Dichloroethene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
1,2-Dichloropropane	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A

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ANALYTICAL RESULTS

Workorder: 2037060 Aramark Solvay

Lab ID: **2037060002** Date Collected: 10/24/2014 11:30 Matrix: Air

Sample ID: **VP - B (Eastern)** Date Received: 10/28/2014 15:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
cis-1,3-Dichloropropene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
trans-1,3-Dichloropropene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
1,3-Dichloropropene, Total	ND		ppbv	0.40	TO-15		11/5/14 21:49	ECB	A
Diisopropyl ether	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
1,4-Dioxane	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Ethanol	4.3		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Ethyl Acetate	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Ethyl tert-butyl ether	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Ethylbenzene	0.32		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
4-Ethyltoluene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Freon 113	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Freon-114	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Heptane	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Hexachlorobutadiene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Hexane	0.42		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
2-Hexanone	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Isopropyl Alcohol	0.32		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Isopropylbenzene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
p-Isopropyltoluene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Methyl methacrylate	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Methyl t-Butyl Ether	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Methylene Chloride	1.4		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Naphthalene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
iso-Octane	0.52		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
n-Propylbenzene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Propylene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Styrene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Tetrachloroethene	20		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Tetrahydrofuran	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Toluene	3.6		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Total Xylenes	1.9		ppbv	0.60	TO-15		11/5/14 21:49	ECB	A
1,2,4-Trichlorobenzene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
1,1,1-Trichloroethane	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
1,1,2-Trichloroethane	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Trichloroethene	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A
Trichlorofluoromethane	ND		ppbv	0.20	TO-15		11/5/14 21:49	ECB	A

ALS Environmental

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

ANALYTICAL RESULTS

Workorder: 2037060 Aramark Solvay

Lab ID: **2037060002** Date Collected: 10/24/2014 11:30 Matrix: Air

Sample ID: **VP - B (Eastern)** Date Received: 10/28/2014 15:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
1,2,3-Trichloropropane	ND		ppbv	0.20	TO-15			11/5/14 21:49	ECB	A
1,2,4-Trimethylbenzene	0.36		ppbv	0.20	TO-15			11/5/14 21:49	ECB	A
1,3,5-Trimethylbenzene	ND		ppbv	0.20	TO-15			11/5/14 21:49	ECB	A
1,2,3-Trimethylbenzene	ND		ppbv	0.20	TO-15			11/5/14 21:49	ECB	A
Vinyl Acetate	ND		ppbv	0.20	TO-15			11/5/14 21:49	ECB	A
Vinyl Bromide	ND		ppbv	0.20	TO-15			11/5/14 21:49	ECB	A
Vinyl Chloride	ND		ppbv	0.20	TO-15			11/5/14 21:49	ECB	A
o-Xylene	0.73		ppbv	0.20	TO-15			11/5/14 21:49	ECB	A
mp-Xylene	1.2		ppbv	0.40	TO-15			11/5/14 21:49	ECB	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
4-Bromofluorobenzene (S)	104		%	70 - 130	TO-15			11/5/14 21:49	ECB	A

Vicki Forney

Mrs. Vicki A. Forney
Project Coordinator

ALS Environmental
34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

AIR ANALYSIS
CHAIN- OF- CUSTODY/FIELD TEST DATA SHEET

Vict

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER.
INSTRUCTIONS ON THE BACK.

COC #:
ALS Quot
2037060

1. CLIENT INFORMATION

Client Name/Address: Barton & Loguidice
11 Centre St. Suite 203 Rochester, NY 14614
Contact: Brian J. McGrath
Phone#: ~~(585)~~ (315) 263-2774
Project Name/#: Aramark Solvay
Bill To: Barton & Loguidice
TAT: [X] Normal- Standard TAT is 10- 12 business days. [ ] Rush- TAT subject to ALSI approval and surcharges.
Date Required: Approved By:
Email? [X] - Y bmcgrath@bartonandloguidice.com
Fax? [ ] - Y No.:

2. ANALYSES/METHOD REQUESTED

√ APPROPRIATE TEST CODE/ANALYTE LIST.

No.	TO-15 Analysis:	STD LIST	UST LIST	OTHER
1	X			
2				
3				
4				
5				
6				
7				
8				
9				
10				

3. LABORATORY

LABORATORY CANISTER CERTIFIED BY:
GC/MS Analyst Signature: Carl H. Simmons

CANISTERS PREPARED BY:
Name: Carl H. Simmons
Title: Sr GC/MS Analyst
Custody Sealed Date/Time: 10/20/14 0630
Date Shipped to Client: 10/20/14
Custody Seal #(s): 1438, 1434

RECEIVING INFORMATION:

	Y	N	Initial
COC Complete/Accurate?	✓		AM
Labels Complete/Accurate?	✓		
Cont. in Good Cond.?	✓		
Custody Seals Present?		✓	
(If present) Seals Intact?			
Returned in ≤ 15 days?	✓		
Custody Seal #(s):			
Courier/Tracking #: 7801 4962 6647			

4. FIELD DATA SHEET

	Sample Description/Location (as it will appear on the lab report)	Sample Type- Choose one: *IA-indoor air *AS-ambient soil *V-vapor *SS-sub-slab	Sample Date	Start Time	Stop Time	Temp Deg C	1L	6L	Canister No.	Flow Controller No.	Canister Pressure ("Hg) Start	Canister Pressure ("Hg) Stop	Canister Certification File	Canister Pressure ("Hg) Out	Canister Pressure ("Hg) In	Flow Controller Setpoint (mL/min)
1	VP-A (Western)	SS	10/24/14	09:11	11:11	23		X	1371	728484	-27.5"	-4.0"	13100615	-29.6	-2.8	41.1
2	VP-B (Eastern)	SS	10/24/14	09:30	11:30	23		X	4034	728849	-30"	-2.5"	13100115	-29.4	-0.5	41.2
3																
4																
5																
6																
7																
8																
9																
10																

5. SAMPLED BY (Please Print): Brian J. McGrath

LOGGED BY(signature): [signature] DATE: 10-29-14 TIME: 1159

REVIEWED BY(signature): DATE: TIME:

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Brian J. McGrath Barton & Loguidice	10/24/14	16:30	2 [signature] ALS	10/28/14	1530
3			4		
5			6		
7			8		
9			10		

6. PROJECT INFORMATION

Data Deliverables: [ ] Standard [ ] CLP-like [ ] DOD [X] TO-15 [ ] Other
EDDs- Type:
ALS Field Services: ☐ Pickup ☐ Labor
Other:

State Samples Collected In: [X] NY [ ] NJ [ ] PA [ ] NC [ ] other

Phone: 1- 717- 944- 5541
ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057
Rev 03Mar2011

ALS-Middletown

TO-15 Sample Receipt Checklist

Client ID: BARTON
Horizon WO#: 2637060
Sample Delivery Group ID: NA
Log In By/Date: BWK 10/29/14
(signature)
Number of Shipping containers received: 1

Project Name/#: ARMMANK SOLVAY
Date/Time received: 10/28/14 1530
Received By: J. MILLER
Project Manager Review (date) 11/3/14
(signature)
Courier: 7801 4962 6647

Circle the response below as appropriate.

1. Did kit(s) come with a shipping slip (airbill, etc.)? (YES) NO NA
   If YES, enter airbill numbers: _____

Shipping Container Information:

2. Were shipping containers received without signs of tampering? (YES) NO NA
   Comments _____
3. Were custody seals present and intact? YES NO (NA)
4. Were custody seals numbers present? YES NO (NA)
   List Custody Seal Numbers:

Sample Condition:

5. Were sample containers received intact without signs of tampering? (YES) NO NA
   Comments _____

Chain of Custody:

6. Did COC arrive with the samples? (YES) NO NA
7. Do sample ID/Sample Description(s) match samples submitted? (YES) NO NA
8. Is date and time of collection listed on the COC for all samples? (YES) NO NA
9. Is identification of sampler on COC? (YES) NO NA
10. Are requested test method(s) on COC? (YES) NO NA
11. Are necessary signatures on COC? (YES) NO NA
12. Was Internal COC initiated? (should always be YES) YES NO (NA)

Sample Integrity Usability:

13. Do sample containers match the COC? (YES) NO NA
14. Were sample canisters received within 15 days of shipment to client (YES) NO NA

Anomalies or Non-Conformances: _____

Rev. 2/2011

Attachment D

2014 Annual Site Wide Inspection Form

SITE MANAGEMENT PLAN
ANNUAL SITE-WIDE INSPECTION
TO BE COMPLETED BY OWNER ANNUALLY

Site Name: Christopher Service Company Site
Site No.: V00665-7
Site Address: 3117 Milton Avenue, Solvay, NY
Owner: ARAMARK Uniform Services (Syracuse), LLC
Owner Address: 115 North First Street, Burbank, California 91502

Date: 10/24/2014
Inspected By: Brian J. McGrath
Inspector's Signature:
Inspector's Address: 11 Centre Park, Suite 203
Rochester, NY 14614

Site Management Plan (SMP) Compliance	YES	NO	N/A	COMMENTS
Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		X		
Has the Environmental Easement been upheld?	X			
Have site-use restrictions been upheld (restricted commercial)?	X			
Has the groundwater use restriction been upheld?	X			
Has all intrusive work been conducted in accordance with the SMP?			X	
Was the Excavation Work Plan followed?			X	
Was the Community Air Monitoring Plan followed?			X	
Has the SSDS been inspected and maintained?	X			
Are all records related to the site maintained and up-to-date?	X			
Document the general site conditions at the time of the site inspection:	Site is clean. SSDS working properly. No leaks during smoke test. SSDS may need support on roof in future; will continue to monitor.			

Attachment E

2014 Vapor Intrusion Mitigation System Inspection Checklists

ARAMARK Uniform Services, LLC
Christopher Service Company Site
Vapor Intrusion Mitigation System Inspection Checklist

Address inspected: 3117 Milton Ave. Solvay, NY **Village of Solvay, NY**

Person(s) interviewed: Darryl Chapman

Date of inspection: 10/24/14

Inspector(s): Brian J. McGrath (B&L)

Make and Model of Fan Fantech Model Hp/FR 250

Date System Installed 11/2011

Suction Static Pressure **SSP#1** _____ **SSP#2** _____ **SSP#3** _____

1.0 Systems Installation and Interior Piping Requirements	**Yes**	**No**	**Unk / NA**
1.1 Are all manifold and suction point piping solid, rigid pipe not less than 3 in. inside diameter?	X		
1.2 Are all pipe interior joints and connections in mitigation systems sealed permanently? (Exceptions include installation of fans and sump covers)	X		
1.3 Does the system piping avoid attachment to or support by existing pipes, ducts, conduits or any kind of equipment?		X	
1.4 Does the system piping avoid blocking window and doors or access to installed equipment?	X		
1.5 Are supports for system piping installed at least every six (6) feet on horizontal runs?	X		
1.6 Are vertical runs secured above or below the points of penetration through floors, ceilings and roofs, or at least every (8) feet on runs that do not penetrate floors, ceilings or roofs?	X		
1.7 Are suction point pipes supported and secured in a permanent manner that prevents their downward movement to the bottom of suction pits or sump pits, or into the soil beneath a soil-gas-retarder membrane?	X		
1.8 Are horizontal runs in system piping sloped to ensure that water from rain or condensation drains downward into the ground beneath the slab or soil-gas-retarder membrane?	X		
1.9 Does the system piping pass the smoke stick check (no leaks)?	X		
2.0 General Sealing Requirements			
2.1 Are openings around the suction point piping penetrations of the slab properly sealed using methods and materials that are permanent \ durable and pass the smoke stick check?	X		
2.2 Are accessible openings around utility penetrations of the foundation walls and slab, test holes, wells and other openings in slabs properly sealed using methods and materials that are permanent / durable and pass the smoke stick check?	X		
2.3 Are openings / cracks sealed where the slab meets the foundation wall (if appropriate)?			X

****This Inspection form was adapted from an existing checklist obtained from the New Jersey Department of Environmental Protection*

	Yes	No	Unk/NA
2.4 Is urethane caulk or equivalent material used, and when the joint is greater than ½ inch in width, is a foam backer rod or other comparable filler material inserted into the joint before the application of the sealant (principally from the outside)?	X		
2.5 When installing baseboard-type suction systems, are all baseboard sealed to walls and floors with adhesives also designed and recommended for such installations?			X
2.6 Are all utility and other penetrations through a soil-gas-retarder membrane sealed?			X
2.7 Did all cracks or openings in the slab or wall pass the smoke test? If not, identify the location of failed cracks or openings in the Notes & Comments Section below.			X
3.0 Electrical Requirements			
3.1 Is the plugged cord used to supply power to the fan no more than 6 feet in length?	X		
3.2 Does the plugged cord avoid penetrating a wall or being sealed within a wall?	X		
3.3 Is the power supply to the fan hard-wired with an electrical disconnect within line of sight and 4 feet of the fan?	X		
3.4 Does the power supply have a seal to determine if access has occurred?	X		
3.5 Is the access seal on the power supply intact?	X		
3.6 Is the electrical service panel labeled to indicate the circuit breaker powering the SSDS fan?	X		
4.0 Sub-Membrane Depressurization Requirements			
4.1 Is a sub-membrane depressurization system part of the mitigation system?		X	
4.2 If yes, did the sub-membrane depressurization system pass the smoke test?			X
5.0 Sump Pit Requirements			
5.1 Is there a sump pit in basement?		X	
If yes:			
5.2 Is the sump pit installed with an impermeable cover and sealed with O-ring or silicone caulking?			X
5.3 Is the sump pit cover designed to facilitate removal for sump pit maintenance?			X
5.4 Is there a mitigation system designed to draw soil-gas from the sump pit?			X
6.0 Monitors and Labeling Requirements			
6.1 Does each suction point have a mechanism to measure vacuum?		X	
6.2 Is the mechanical mitigation system's monitor, such as manometer type pressure gauges, clearly marked to indicate the initial pressure readings?			X
6.3 Is the current vacuum reading within 0.25"water of the initial reading for low vacuum fans and within 5% of the commissioned vacuum for high vacuum fans?			X

Homeowner Address *Date:* *Inspector's Name:*

****This Inspection form was adapted from an existing checklist obtained from the New Jersey Department of Environmental Protection*

	Yes	No	Unk/NA
6.4 Is a system description label placed on the mitigation system or other prominent location?	X		
6.5 Is the label legible from a distance of at least three feet and does it display the following information: Purpose of the system ("Vapor Intrusion Mitigation"), name, address and phone number of the contact person.	X		
6.6 Does the mitigation system prevent backdrafting of combustion products into the structure?	X		
6.7 Does the mitigation system include an audible alarm to inform occupants of a system malfunction?	X		
7.0 System Vent Discharge Point Requirements			
7.1 Is the vent pipe vertical and upward, outside the structure, at least 10 feet above ground level, and above the edge of the roof ? **(Req. A)**	X		
7.2 Is the discharge of the vent pipe ten feet or more away from any window, door, or other opening into conditioned or otherwise occupiable spaces of the structure, if the vapor discharge point is not at least 2 feet above the top of such openings? **(Req. B)**	X		
7.3 Is the discharge of the vent pipe ten feet or more away from any opening into the conditioned or other occupiable spaces of an adjacent building? Chimney flues shall be considered openings. **(Req. C)**	X		
7.4 For vent stack pipes that penetrate the roof, is the point of discharge at least 12 in. above the surface of the roof? **(Req. D)**	X		
7.5 For vent stack pipes attached to or penetrating the sides of the buildings, is the point of discharge vertical and a minimum of 12 inches above the surface of the roof.			X
7.6 Does the horizontal run of vent stack pipe penetrate the gable end walls? **(Req. E)**		X	
7.7 If yes, does the piping outside the structure routed to a vertical position so that the discharge point meets the requirements of **(A)**, **(B)**, **(C)**, and **(D)**?			X
7.8 Do points of discharge that are not in a direct line of sight from openings into conditioned or otherwise occupiable space because of intervening objects, such as dormers, chimneys, windows around the corner, etc. meet the separation requirements of **(A)**, **(B)**, **(C)**, **(D)** and **(E)**?			X
7.9 Is the outside vent piping fastened to the structure of the building with hangers, strapping or other supports that will secure it adequately (every 8 feet)?		X	
7.10 Is vent stack piping's ID at least as large as the largest used in the manifold piping? Manifold piping to which two or more suction points are connected shall be at least 4 inch ID. (3x4 inch aluminum downspout is an acceptable deviation)	X		
7.11 If system piping is installed on the exterior of a building, is piping sealed from the outside at point of entry to the building?	X		
8.0 Fan Installation Requirements			
8.1 Is the fan installed in a configuration that avoids condensation buildup in the fan housing?	X		

	Yes	No	Unk/NA
8.2 Is the fan mounted on the exterior of buildings rated for outdoor use or installed in a weather proof protective housing?	X		
8.3 Is the fan mounted and secured in a manner that minimizes transfer of vibration to the structural framing of the building?	X		
8.4 Does the system operate without noise or vibration above normal conditions?	X		

9.0 Design Drawing and As-Built Drawing Requirements

9.1 Was the system installed as per the design drawings submitted to the municipality?	X		

10.0 Notes & Comments

Exterior vent pipe is straight cut Fernco coupler and is causing the fan to lean in an easterly direction. Aramark personnel will re-align the pipe. Pipe will continue to be monitored in future inspections. System working properly.

Weekly Mitigation System Testing

DATE	POWER ON? YES OR NO	VACUUM TEST- UNPLUG TUBE- ALARM- YES OR NO	INTITIALS
1/3/2014	Yes	yes	BF
1/10/2014	Yes	yes	BF
1/17/2014	Yes	yes	BF
1/24/2014	yes	yes	BF
1/31/2014	yes	yes	BF
2/7/2014	yes	yes	BF
2/14/2014	yes	yes	BF
2/21/2014	yes	yes	BF
2/28/2014	yes	yes	BF
3/7/2014	yes	yes	BF
3/14/2014	yes	yes	BF
3/21/2014	yes	yes	BF
3/28/2014	yes	yes	BF
4/4/2014	yes	yes	BF
4/11/2014	yes	yes	DJ
4/18/2014	yes	yes	BF
4/25/2014	yes	yes	BF
5/2/2014	yes	yes	BF
5/9/2014	yes	yes	BF
5/16/2014	yes	yes	BF
5/23/2014	yes	yes	BF
5/30/2014	yes	yes	BF
6/6/2014	yes	yes	BF
6/13/2014	yes	yes	DJ
6/20/2014	yes	yes	BF
6/27/2014	yes	yes	BF
7/4/2014	yes	yes	BF
7/11/2014	yes	yes	BF
7/18/2014	yes	yes	BF
7/25/2014	yes	yes	BF
8/1/2014	yes	yes	BF
8/8/2014	yes	yes	BF
8/15/2014	yes	yes	BF
8/22/2014	yes	yes	BF
8/29/2014	yes	yes	BF
9/5/2014	yes	yes	BF
9/12/2014	yes	yes	BF
9/19/2014	yes	yes	BF
9/26/2014	yes	yes	BF
10/3/2014	yes	yes	BF
10/10/2014	yes	yes	BF
10/17/2014	yes	yes	BF
10/24/2014	yes	yes	BF
10/31/2014	yes	yes	BF
11/7/2014	yes	yes	BF
11/14/2014	yes	yes	BF
11/21/2014	yes	yes	BF
11/28/2014	yes	yes	BF
12/5/2014	yes	yes	BF
12/12/2014	yes	yes	BF
12/19/2014	yes	yes	BF
12/26/2014	yes	yes	BF

Attachment F

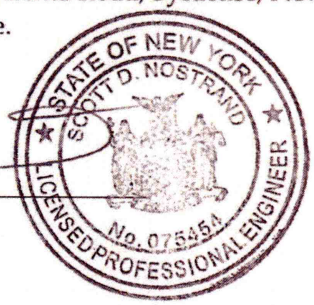
2014 Certification of Engineering and Institutional Controls

2014 Certification of Engineering and Institutional Controls

In accordance with the SMP and after the last inspection of the reporting period, a qualified environmental professional or Professional Engineer licensed to practice in New York State has prepared the following certification:

For each institutional or engineering control identified for the site, I certify to the best of my knowledge and believe that all of the following statements are true:

- The inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
- The institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by the Department;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control;
- Access to the site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- If a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document;
- Use of the site is compliant with the Environmental Easement;
- The engineering control systems are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program and generally accepted engineering practices; and
- The information presented in this report is accurate and complete.
- I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Scott D. Nostrand, of Barton & Loguidice, D.P.C. located at 290 Elwood Davis Road, Syracuse, New York am certifying as Owner's Designated Site Representative.



Scott D. Nostrand, P.E.
Senior Vice President

1-27-15
Date