REMEDIAL INVESTIGATION SUPPLEMENTAL REPORT

for the

FORMER CAMILLUS CUTLERY COMPANY SITE

52 & 54 Genesee Street
Village of Camillus
Onondaga County, New York

Brownfield Cleanup Program
Site No. C734142

Prepared for:

CAMILLUS MILLS, LLC
221 West Division Street
Syracuse, New York 13204

Prepared by:

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TDK Project No. 2009040

June 7, 2016

SUPPLEMENTAL REMEDIAL INVESTIGATION

FORMER CAMILLUS CUTLERY COMPANY SITE
BROWNFIELD CLEANUP PROGRAM (BCP)
SITE NO. C734142
Village of Camillus, Onondaga County

June 7, 2016

SUMMARY:

Based on the results of the soil vapor intrusion (SVI) evaluation program[1], the New York State Department of Health (DOH) and New York State Department of Environmental Conservation (DEC) requested an expansion of the remedial investigation (RI) at the above-referenced Brownfield Cleanup Program (BCP) site. The purpose of the supplemental RI was to evaluate the extent of subsurface volatile organic compound (VOC) contamination in the vicinity of the West Building (i.e., Area of Concern [AOC-3.1]).

The expanded investigation included the following scope of work:

- Installation of two soil vapor probes (SVP-4 and SVP-5).
- Collection and analysis of soil vapor samples from the probes per EPA Method TO-15[2].
- Installation of two groundwater monitoring wells (MW-8 and MW-9).
- Collection of groundwater samples from the wells for analysis per EPA Method 8260[3].
- Collection and analysis of two soil samples from the borehole for MW-9 for analysis per EPA Method 8260.

The field work was performed on June 1 & 2, 2016. Analytical results, including a soil vapor analytical data summary table are provided within this supplemental report. Soil boring logs, which include monitoring well construction information for MW-8 and MW-9 are also provided.

[1] Ref: *Remedial Investigation Report for the Former Camillus Cutlery Company Site – Brownfield Cleanup Program Site No. C734142*, prepared by TDK Engineering, dated March 30, 2016.

[2] *Determination of Volatile Organic Compounds (VOCs) In Air Collected in Specially-Prepared Canisters And Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS).*

[3] *Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry (GC/MS).*

Historic soil vapor analytical data is summarized on the *Expanded Remedial Investigation Plan* [Figure RI-1C]. The locations of the soil vapor probes and groundwater monitoring wells and analytical data for the June 2016 investigation effort are summarized on the *Expanded Remedial Investigation Partial Plan* [Figure RI-1D].

The data indicates minimal VOC contamination in the West Building area and supports implementation of the proposed remedy[4].

[4] Ref: *Remedial Alternatives Analysis Report for the Former Camillus Cutlery Company Site – Brownfield Cleanup Program Site No. C734142*, prepared by TDK Engineering, dated March 31, 2016.

Centek Laboratories, LLC

Date: *06-Jun-16*

CLIENT:	Camillus Mills, LLC	**Client Sample ID:**	SVP-4
Lab Order:	C1606017	**Tag Number:**	93,173
Project:	Camillus Cutlery - BCP Site No. C734142	**Collection Date:**	6/2/2016
Lab ID:	C1606017-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	6/3/2016 12:49:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	6/3/2016 12:49:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	6/3/2016 12:49:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	6/3/2016 12:49:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	6/3/2016 12:49:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	6/3/2016 12:49:00 PM
1,2,4-Trimethylbenzene	6.9	7.4	J	ug/m3	10	6/3/2016 4:16:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	6/3/2016 12:49:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	6/3/2016 12:49:00 PM
1,2-Dichloroethane	1.4	0.61		ug/m3	1	6/3/2016 12:49:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	6/3/2016 12:49:00 PM
1,3,5-Trimethylbenzene	7.1	0.74		ug/m3	1	6/3/2016 12:49:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	6/3/2016 12:49:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	6/3/2016 12:49:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	6/3/2016 12:49:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	6/3/2016 12:49:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	6/3/2016 12:49:00 PM
4-ethyltoluene	5.9	0.74		ug/m3	1	6/3/2016 12:49:00 PM
Acetone	680	190		ug/m3	270	6/3/2016 10:10:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	6/3/2016 12:49:00 PM
Benzene	13	4.8		ug/m3	10	6/3/2016 4:16:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	6/3/2016 12:49:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	6/3/2016 12:49:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	6/3/2016 12:49:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	6/3/2016 12:49:00 PM
Carbon disulfide	8.7	4.7		ug/m3	10	6/3/2016 4:16:00 PM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	6/3/2016 12:49:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	6/3/2016 12:49:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	6/3/2016 12:49:00 PM
Chloroform	1.2	0.73		ug/m3	1	6/3/2016 12:49:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	6/3/2016 12:49:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	6/3/2016 12:49:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	6/3/2016 12:49:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	6/3/2016 12:49:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	6/3/2016 12:49:00 PM
Ethyl acetate	8.5	0.90		ug/m3	1	6/3/2016 12:49:00 PM
Ethylbenzene	5.6	6.5	J	ug/m3	10	6/3/2016 4:16:00 PM
Freon 11	2.4	0.84		ug/m3	1	6/3/2016 12:49:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	6/3/2016 12:49:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	6/3/2016 12:49:00 PM

Qualifiers:

**	Quantitation Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Jun-16*

CLIENT:	Camillus Mills, LLC	**Client Sample ID:**	SVP-4
Lab Order:	C1606017	**Tag Number:**	93,173
Project:	Camillus Cutlery - BCP Site No. C734142	**Collection Date:**	6/2/2016
Lab ID:	C1606017-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	2.6	0.74		ug/m3	1	6/3/2016 12:49:00 PM
Heptane	< 0.61	0.61		ug/m3	1	6/3/2016 12:49:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	6/3/2016 12:49:00 PM
Hexane	19	5.3		ug/m3	10	6/3/2016 4:16:00 PM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	6/3/2016 12:49:00 PM
m&p-Xylene	20	13		ug/m3	10	6/3/2016 4:16:00 PM
Methyl Butyl Ketone	53	12		ug/m3	10	6/3/2016 4:16:00 PM
Methyl Ethyl Ketone	250	240		ug/m3	270	6/3/2016 10:10:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	6/3/2016 12:49:00 PM
Methyl tert-butyl ether	0.72	0.54		ug/m3	1	6/3/2016 12:49:00 PM
Methylene chloride	3.4	0.52		ug/m3	1	6/3/2016 12:49:00 PM
o-Xylene	6.5	6.5		ug/m3	10	6/3/2016 4:16:00 PM
Propylene	< 0.26	0.26		ug/m3	1	6/3/2016 12:49:00 PM
Styrene	2.3	0.64		ug/m3	1	6/3/2016 12:49:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	6/3/2016 12:49:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	6/3/2016 12:49:00 PM
Toluene	19	5.7		ug/m3	10	6/3/2016 4:16:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	6/3/2016 12:49:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	6/3/2016 12:49:00 PM
Trichloroethene	< 0.81	0.81		ug/m3	1	6/3/2016 12:49:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	6/3/2016 12:49:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	6/3/2016 12:49:00 PM
Vinyl chloride	< 0.38	0.38		ug/m3	1	6/3/2016 12:49:00 PM

Qualifiers:

**	Quantitation Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Jun-16*

CLIENT:	Camillus Mills, LLC	**Client Sample ID:**	SVP-5
Lab Order:	C1606017	**Tag Number:**	363,145
Project:	Camillus Cutlery - BCP Site No. C734142	**Collection Date:**	6/2/2016
Lab ID:	C1606017-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	0.87	0.82		ug/m3	1	6/3/2016 1:32:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	6/3/2016 1:32:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	6/3/2016 1:32:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	6/3/2016 1:32:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	6/3/2016 1:32:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	6/3/2016 1:32:00 PM
1,2,4-Trimethylbenzene	27	6.9		ug/m3	9	6/3/2016 10:52:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	6/3/2016 1:32:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	6/3/2016 1:32:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	6/3/2016 1:32:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	6/3/2016 1:32:00 PM
1,3,5-Trimethylbenzene	61	6.9		ug/m3	9	6/3/2016 10:52:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	6/3/2016 1:32:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	6/3/2016 1:32:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	6/3/2016 1:32:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	6/3/2016 1:32:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	6/3/2016 1:32:00 PM
4-ethyltoluene	11	6.9		ug/m3	9	6/3/2016 10:52:00 PM
Acetone	260	6.4		ug/m3	9	6/3/2016 10:52:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	6/3/2016 1:32:00 PM
Benzene	14	4.5		ug/m3	9	6/3/2016 10:52:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	6/3/2016 1:32:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	6/3/2016 1:32:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	6/3/2016 1:32:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	6/3/2016 1:32:00 PM
Carbon disulfide	6.4	0.47		ug/m3	1	6/3/2016 1:32:00 PM
Carbon tetrachloride	1.1	0.94		ug/m3	1	6/3/2016 1:32:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	6/3/2016 1:32:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	6/3/2016 1:32:00 PM
Chloroform	13	6.8		ug/m3	9	6/3/2016 10:52:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	6/3/2016 1:32:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	6/3/2016 1:32:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	6/3/2016 1:32:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	6/3/2016 1:32:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	6/3/2016 1:32:00 PM
Ethyl acetate	< 0.90	0.90		ug/m3	1	6/3/2016 1:32:00 PM
Ethylbenzene	51	6.1		ug/m3	9	6/3/2016 10:52:00 PM
Freon 11	2.5	0.84		ug/m3	1	6/3/2016 1:32:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	6/3/2016 1:32:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	6/3/2016 1:32:00 PM

Qualifiers:

**	Quantitation Limit	.	Results reported are not blank corrected
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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
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S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Jun-16*

CLIENT:	Camillus Mills, LLC	**Client Sample ID:**	SVP-5
Lab Order:	C1606017	**Tag Number:**	363,145
Project:	Camillus Cutlery - BCP Site No. C734142	**Collection Date:**	6/2/2016
Lab ID:	C1606017-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	3.0	0.74		ug/m3	1	6/3/2016 1:32:00 PM
Heptane	18	5.7		ug/m3	9	6/3/2016 10:52:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	6/3/2016 1:32:00 PM
Hexane	3.3	0.53		ug/m3	1	6/3/2016 1:32:00 PM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	6/3/2016 1:32:00 PM
m&p-Xylene	140	120		ug/m3	90	6/3/2016 11:29:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	6/3/2016 1:32:00 PM
Methyl Ethyl Ketone	100	8.0		ug/m3	9	6/3/2016 10:52:00 PM
Methyl Isobutyl Ketone	5.8	1.2		ug/m3	1	6/3/2016 1:32:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	6/3/2016 1:32:00 PM
Methylene chloride	1.9	0.52		ug/m3	1	6/3/2016 1:32:00 PM
o-Xylene	100	61		ug/m3	90	6/3/2016 11:29:00 PM
Propylene	< 0.26	0.26		ug/m3	1	6/3/2016 1:32:00 PM
Styrene	< 0.64	0.64		ug/m3	1	6/3/2016 1:32:00 PM
Tetrachloroethylene	2.1	1.0		ug/m3	1	6/3/2016 1:32:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	6/3/2016 1:32:00 PM
Toluene	60	5.3		ug/m3	9	6/3/2016 10:52:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	6/3/2016 1:32:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	6/3/2016 1:32:00 PM
Trichloroethene	1.1	0.81		ug/m3	1	6/3/2016 1:32:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	6/3/2016 1:32:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	6/3/2016 1:32:00 PM
Vinyl chloride	< 0.38	0.38		ug/m3	1	6/3/2016 1:32:00 PM

Qualifiers:

**	Quantitation Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Jun-16*

CLIENT:	Camillus Mills, LLC	**Client Sample ID:**	Outside Air
Lab Order:	C1606017	**Tag Number:**	201,127
Project:	Camillus Cutlery - BCP Site No. C734142	**Collection Date:**	6/2/2016
Lab ID:	C1606017-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	6/3/2016 2:57:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	6/3/2016 2:57:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	6/3/2016 2:57:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	6/3/2016 2:57:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	6/3/2016 2:57:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	6/3/2016 2:57:00 PM
1,2,4-Trimethylbenzene	0.88	0.74		ug/m3	1	6/3/2016 2:57:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	6/3/2016 2:57:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	6/3/2016 2:57:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	6/3/2016 2:57:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	6/3/2016 2:57:00 PM
1,3,5-Trimethylbenzene	1.0	0.74		ug/m3	1	6/3/2016 2:57:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	6/3/2016 2:57:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	6/3/2016 2:57:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	6/3/2016 2:57:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	6/3/2016 2:57:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	6/3/2016 2:57:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	6/3/2016 2:57:00 PM
Acetone	16	7.1		ug/m3	10	6/4/2016 1:27:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	6/3/2016 2:57:00 PM
Benzene	0.42	0.48	J	ug/m3	1	6/3/2016 2:57:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	6/3/2016 2:57:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	6/3/2016 2:57:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	6/3/2016 2:57:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	6/3/2016 2:57:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	6/3/2016 2:57:00 PM
Carbon tetrachloride	0.57	0.25		ug/m3	1	6/3/2016 2:57:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	6/3/2016 2:57:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	6/3/2016 2:57:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	6/3/2016 2:57:00 PM
Chloromethane	1.0	0.31		ug/m3	1	6/3/2016 2:57:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	6/3/2016 2:57:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	6/3/2016 2:57:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	6/3/2016 2:57:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	6/3/2016 2:57:00 PM
Ethyl acetate	< 0.90	0.90		ug/m3	1	6/3/2016 2:57:00 PM
Ethylbenzene	0.48	0.65	J	ug/m3	1	6/3/2016 2:57:00 PM
Freon 11	1.7	0.84		ug/m3	1	6/3/2016 2:57:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	6/3/2016 2:57:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	6/3/2016 2:57:00 PM

Qualifiers:

**	Quantitation Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Jun-16*

CLIENT:	Camillus Mills, LLC	**Client Sample ID:**	Outside Air
Lab Order:	C1606017	**Tag Number:**	201,127
Project:	Camillus Cutlery - BCP Site No. C734142	**Collection Date:**	6/2/2016
Lab ID:	C1606017-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
Freon 12	2.5	0.74		ug/m3	1	6/3/2016 2:57:00 PM
Heptane	< 0.61	0.61		ug/m3	1	6/3/2016 2:57:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	6/3/2016 2:57:00 PM
Hexane	< 0.53	0.53		ug/m3	1	6/3/2016 2:57:00 PM
Isopropyl alcohol	3.1	0.37		ug/m3	1	6/3/2016 2:57:00 PM
m&p-Xylene	2.0	1.3		ug/m3	1	6/3/2016 2:57:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	6/3/2016 2:57:00 PM
Methyl Ethyl Ketone	1.5	0.88		ug/m3	1	6/3/2016 2:57:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	6/3/2016 2:57:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	6/3/2016 2:57:00 PM
Methylene chloride	2.3	0.52		ug/m3	1	6/3/2016 2:57:00 PM
o-Xylene	1.2	0.65		ug/m3	1	6/3/2016 2:57:00 PM
Propylene	< 0.26	0.26		ug/m3	1	6/3/2016 2:57:00 PM
Styrene	< 0.64	0.64		ug/m3	1	6/3/2016 2:57:00 PM
Tetrachloroethylene	1.0	1.0		ug/m3	1	6/3/2016 2:57:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	6/3/2016 2:57:00 PM
Toluene	0.94	0.57		ug/m3	1	6/3/2016 2:57:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	6/3/2016 2:57:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	6/3/2016 2:57:00 PM
Trichloroethene	0.32	0.21		ug/m3	1	6/3/2016 2:57:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	6/3/2016 2:57:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	6/3/2016 2:57:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	6/3/2016 2:57:00 PM

Qualifiers:

**	Quantitation Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Jun-16*

CLIENT:	Camillus Mills, LLC	**Client Sample ID:**	SVP-5 Dupe
Lab Order:	C1606017	**Tag Number:**	171,145
Project:	Camillus Cutlery - BCP Site No. C734142	**Collection Date:**	6/2/2016
Lab ID:	C1606017-004A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	0.82	0.82		ug/m3	1	6/3/2016 2:14:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	6/3/2016 2:14:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	6/3/2016 2:14:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	6/3/2016 2:14:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	6/3/2016 2:14:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	6/3/2016 2:14:00 PM
1,2,4-Trimethylbenzene	27	6.9		ug/m3	9	6/4/2016 12:11:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	6/3/2016 2:14:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	6/3/2016 2:14:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	6/3/2016 2:14:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	6/3/2016 2:14:00 PM
1,3,5-Trimethylbenzene	63	6.9		ug/m3	9	6/4/2016 12:11:00 AM
1,3-butadiene	< 0.33	0.33		ug/m3	1	6/3/2016 2:14:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	6/3/2016 2:14:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	6/3/2016 2:14:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	6/3/2016 2:14:00 PM
2,2,4-trimethylpentane	3.1	0.70		ug/m3	1	6/3/2016 2:14:00 PM
4-ethyltoluene	10	0.74		ug/m3	1	6/3/2016 2:14:00 PM
Acetone	110	64		ug/m3	90	6/4/2016 12:49:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	6/3/2016 2:14:00 PM
Benzene	13	4.5		ug/m3	9	6/4/2016 12:11:00 AM
Benzyl chloride	< 0.86	0.86		ug/m3	1	6/3/2016 2:14:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	6/3/2016 2:14:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	6/3/2016 2:14:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	6/3/2016 2:14:00 PM
Carbon disulfide	6.4	0.47		ug/m3	1	6/3/2016 2:14:00 PM
Carbon tetrachloride	1.0	0.94		ug/m3	1	6/3/2016 2:14:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	6/3/2016 2:14:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	6/3/2016 2:14:00 PM
Chloroform	14	6.8		ug/m3	9	6/4/2016 12:11:00 AM
Chloromethane	< 0.31	0.31		ug/m3	1	6/3/2016 2:14:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	6/3/2016 2:14:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	6/3/2016 2:14:00 PM
Cyclohexane	3.0	0.52		ug/m3	1	6/3/2016 2:14:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	6/3/2016 2:14:00 PM
Ethyl acetate	< 0.90	0.90		ug/m3	1	6/3/2016 2:14:00 PM
Ethylbenzene	52	6.1		ug/m3	9	6/4/2016 12:11:00 AM
Freon 11	2.9	0.84		ug/m3	1	6/3/2016 2:14:00 PM
Freon 113	0.77	1.1	J	ug/m3	1	6/3/2016 2:14:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	6/3/2016 2:14:00 PM

Qualifiers:

**	Quantitation Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Jun-16*

CLIENT:	Camillus Mills, LLC	**Client Sample ID:**	SVP-5 Dupe
Lab Order:	C1606017	**Tag Number:**	171,145
Project:	Camillus Cutlery - BCP Site No. C734142	**Collection Date:**	6/2/2016
Lab ID:	C1606017-004A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	2.8	0.74		ug/m3	1	6/3/2016 2:14:00 PM
Heptane	15	5.7		ug/m3	9	6/4/2016 12:11:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	6/3/2016 2:14:00 PM
Hexane	3.3	0.53		ug/m3	1	6/3/2016 2:14:00 PM
Isopropyl alcohol	12	3.4		ug/m3	9	6/4/2016 12:11:00 AM
m&p-Xylene	160	120		ug/m3	90	6/4/2016 12:49:00 AM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	6/3/2016 2:14:00 PM
Methyl Ethyl Ketone	67	8.0		ug/m3	9	6/4/2016 12:11:00 AM
Methyl Isobutyl Ketone	6.0	1.2		ug/m3	1	6/3/2016 2:14:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	6/3/2016 2:14:00 PM
Methylene chloride	1.5	0.52		ug/m3	1	6/3/2016 2:14:00 PM
o-Xylene	110	61		ug/m3	90	6/4/2016 12:49:00 AM
Propylene	< 0.26	0.26		ug/m3	1	6/3/2016 2:14:00 PM
Styrene	< 0.64	0.64		ug/m3	1	6/3/2016 2:14:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	6/3/2016 2:14:00 PM
Tetrahydrofuran	2.9	0.44		ug/m3	1	6/3/2016 2:14:00 PM
Toluene	59	5.3		ug/m3	9	6/4/2016 12:11:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	6/3/2016 2:14:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	6/3/2016 2:14:00 PM
Trichloroethene	2.0	0.81		ug/m3	1	6/3/2016 2:14:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	6/3/2016 2:14:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	6/3/2016 2:14:00 PM
Vinyl chloride	< 0.38	0.38		ug/m3	1	6/3/2016 2:14:00 PM

Qualifiers:

**	Quantitation Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Jun-16*

CLIENT:	Camillus Mills, LLC	**Client Sample ID:**	Trip Blank
Lab Order:	C1606017	**Tag Number:**	1178
Project:	Camillus Cutlery - BCP Site No. C734142	**Collection Date:**	6/2/2016
Lab ID:	C1606017-005A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	6/3/2016 12:08:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	6/3/2016 12:08:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	6/3/2016 12:08:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	6/3/2016 12:08:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	6/3/2016 12:08:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	6/3/2016 12:08:00 PM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	6/3/2016 12:08:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	6/3/2016 12:08:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	6/3/2016 12:08:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	6/3/2016 12:08:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	6/3/2016 12:08:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	6/3/2016 12:08:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	6/3/2016 12:08:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	6/3/2016 12:08:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	6/3/2016 12:08:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	6/3/2016 12:08:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	6/3/2016 12:08:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	6/3/2016 12:08:00 PM
Acetone	< 0.71	0.71		ug/m3	1	6/3/2016 12:08:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	6/3/2016 12:08:00 PM
Benzene	< 0.48	0.48		ug/m3	1	6/3/2016 12:08:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	6/3/2016 12:08:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	6/3/2016 12:08:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	6/3/2016 12:08:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	6/3/2016 12:08:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	6/3/2016 12:08:00 PM
Carbon tetrachloride	< 0.25	0.25		ug/m3	1	6/3/2016 12:08:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	6/3/2016 12:08:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	6/3/2016 12:08:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	6/3/2016 12:08:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	6/3/2016 12:08:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	6/3/2016 12:08:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	6/3/2016 12:08:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	6/3/2016 12:08:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	6/3/2016 12:08:00 PM
Ethyl acetate	< 0.90	0.90		ug/m3	1	6/3/2016 12:08:00 PM
Ethylbenzene	< 0.65	0.65		ug/m3	1	6/3/2016 12:08:00 PM
Freon 11	< 0.84	0.84		ug/m3	1	6/3/2016 12:08:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	6/3/2016 12:08:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	6/3/2016 12:08:00 PM

Qualifiers:

**	Quantitation Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Jun-16*

CLIENT:	Camillus Mills, LLC	**Client Sample ID:**	Trip Blank
Lab Order:	C1606017	**Tag Number:**	1178
Project:	Camillus Cutlery - BCP Site No. C734142	**Collection Date:**	6/2/2016
Lab ID:	C1606017-005A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
Freon 12	< 0.74	0.74		ug/m3	1	6/3/2016 12:08:00 PM
Heptane	< 0.61	0.61		ug/m3	1	6/3/2016 12:08:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	6/3/2016 12:08:00 PM
Hexane	< 0.53	0.53		ug/m3	1	6/3/2016 12:08:00 PM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	6/3/2016 12:08:00 PM
m&p-Xylene	< 1.3	1.3		ug/m3	1	6/3/2016 12:08:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	6/3/2016 12:08:00 PM
Methyl Ethyl Ketone	< 0.88	0.88		ug/m3	1	6/3/2016 12:08:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	6/3/2016 12:08:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	6/3/2016 12:08:00 PM
Methylene chloride	< 0.52	0.52		ug/m3	1	6/3/2016 12:08:00 PM
o-Xylene	< 0.65	0.65		ug/m3	1	6/3/2016 12:08:00 PM
Propylene	< 0.26	0.26		ug/m3	1	6/3/2016 12:08:00 PM
Styrene	< 0.64	0.64		ug/m3	1	6/3/2016 12:08:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	6/3/2016 12:08:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	6/3/2016 12:08:00 PM
Toluene	< 0.57	0.57		ug/m3	1	6/3/2016 12:08:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	6/3/2016 12:08:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	6/3/2016 12:08:00 PM
Trichloroethene	< 0.21	0.21		ug/m3	1	6/3/2016 12:08:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	6/3/2016 12:08:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	6/3/2016 12:08:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	6/3/2016 12:08:00 PM

Qualifiers:

**	Quantitation Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
S	Spike Recovery outside accepted recovery limits		

Former Camillus Cutlery Site
52 & 54 Genesee Street
Village of Camillus, Onondaga County, NY
DEC No. C734142

TABLE 1 : ANALYTICAL DATA SUMMARY - SOIL VAPOR

Sampling Dates:	As Noted
Analytical Method:	As Indicated
Matrix:	Air

Compound	NYSDOH Guideline ($\mu g/m^3$)	Sample Identification		
		SVP-4 6/2/2016	SVP-5 6/2/2016	OUTSIDE AIR 6/2/2016
1,1,1-Trichloroethane	---	ND < 0.82	0.87	ND < 0.82
1,1,2,2-Tetrachloroethane	---	ND < 1.0	ND < 1.0	ND < 1.0
1,1,2-Trichloroethane	---	ND < 0.82	ND < 0.82	ND < 0.82
1,1-Dichloroethane	---	ND < 0.61	ND < 0.61	ND < 0.61
1,1-Dichloroethene	---	ND < 0.59	ND < 0.59	ND < 0.59
1,2,4-Trichlorobenzene	---	ND < 1.1	ND < 1.1	ND < 1.1
1,2,4-Trimethylbenzene	---	6.9 J	27	0.88
1,2-Dibromoethane	---	ND < 1.2	ND < 1.2	ND < 1.2
1,2-Dichlorobenzene	---	ND < 0.90	ND < 0.90	ND < 0.90
1,2-Dichloroethane	---	1.4	ND < 0.61	ND < 0.61
1,2-Dichloropropane	---	ND < 0.69	ND < 0.69	ND < 0.69
1,3,5-Trimethylbenzene	---	7.1	61	1.0
1,3-butadiene	---	ND < 0.33	ND < 0.33	ND < 0.33
1,3-Dichlorobenzene	---	ND < 0.90	ND < 0.90	ND < 0.90
1,4-Dichlorobenzene	---	ND < 0.90	ND < 0.90	ND < 0.90
1,4- Dioxane	---	ND < 1.1	ND < 1.1	ND < 1.1
2,2,4 -trimethylpentane	---	ND < 0.70	ND < 0.70	ND < 0.70
4-ethyltoluene	---	5.9	11	ND < 0.74
Acetone	---	680	260	16
Allyl chloride	---	ND < 0.47	ND < 0.47	ND < 0.47
Benzene	---	13	14	0.42
Benzyl chloride	---	ND < 0.86	ND < 0.86	ND < 0.86
Bromodichloromethane	---	ND < 1.0	ND < 1.0	ND < 1.0
Bromoform	---	ND < 1.6	ND < 1.6	ND < 1.6
Bromomethane	---	ND < 0.58	ND < 0.58	ND < 0.58
Carbon Disulfide	---	8.7	6.4	ND < 0.47
Carbon Tetrachloride	---	ND < 0.94	1.1	ND < 0.25
Chlorobenzene	---	ND < 0.69	ND < 0.69	ND < 0.69
Chloroethane	---	ND < 0.40	ND < 0.40	ND < 0.40
Chloroform	---	1.2	13	ND < 0.73
Chlormethane	---	ND < 0.31	ND < 0.31	1.0
Cis-1,2-Dichloroethene	---	ND < 0.59	ND < 0.59	ND < 0.59
Cis-1,3-Dichloropropane	---	ND < 0.68	ND < 0.68	ND < 0.68
Cyclohexane	---	ND < 0.52	ND < 0.52	ND < 0.52
Dibromochloromethane	---	ND < 1.3	ND < 1.3	ND < 1.3
Ethyl acetate	---	8.5	ND < 0.90	ND < 0.90
Ethylbenzene	---	5.6 J	51	0.48
Freon 11	---	2.4	2.5	1.7
Freon 113	---	ND < 1.1	ND < 1.1	ND < 1.1
Freon 114	---	ND < 1.0	ND < 1.0	ND < 1.0
Freon 12	---	2.6	3.0	2.5
Heptane	---	ND < 0.61	18	ND < 0.61
Hexachloro-1,3-butadiene	---	ND < 1.6	ND < 1.6	ND < 1.6
Hexane	---	19	3.3	ND < 0.53
Isopropyl alcohol	---	ND < 0.37	ND < 0.37	3.1
m&p-Xylene	---	20	140	2.0
Methyl Butyl Ketone	---	53	ND < 1.2	ND < 1.2
Methyl Ethyl Ketone	---	250	100	1.5
Methyl Isobutyl Ketone	---	ND < 1.2	5.8	ND < 1.2
Methyl-Tert-Butyl Ether	---	0.72	ND < 0.54	ND < 0.54
Methylene Chloride	60	3.4	1.9	2.3
o-Xylene	---	6.5	100	1.2
Propylene	---	ND < 0.26	ND < 0.26	ND < 0.26
Styrene	---	2.3	ND < 0.64	ND < 0.64
Tetrachloroethylene	100	ND < 1.0	2.1	1.0
Tetrahydrofuran	---	ND < 0.44	ND < 0.44	ND < 0.44
Toluene	---	19	60	0.94
Trans-1,2-Dichloroethene	---	ND < 0.59	ND < 0.59	ND < 0.59
Trans-1,3-Dichloroethene	---	ND < 0.68	ND < 0.68	ND < 0.68
Trichloroethene	2	ND < 0.81	1.1	ND < 0.21
Xylene acetate	---	ND < 0.53	ND < 0.53	ND < 0.53
Xylene Bromide	---	ND < 0.66	ND < 0.66	ND < 0.66
Xylene choloride	---	ND < 0.38	ND < 0.38	ND < 0.10

Notes:
Results are in $\mu g/m^3$ - micrograms per cubic meter
Exceedences are shown in red.
ND - Not Detected at the Limit of Detection
J - Analyte detected below quantitation limit.

References:
1. NYSDOH [Final] Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006.
2. NYSDOH Trichloroethene (TCE) in Indoor and Outdoor Air - August 2015 Fact Sheet.

Pace Analytical
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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

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TDK Engineering Associates
221 West Divison Street
Syracuse, NY 13204
Attn To : John Herrmann
Collected : 6/2/2016 1:30:00 PM
Received : 6/3/2016 10:55:00 AM
Collected By JH99

Lab No. : 1606267-001
Client Sample ID: MW-8

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,1,1-Trichloroethane	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,1,2-Trichloroethane	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,1-Dichloroethane	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,1-Dichloroethene	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,1-Dichloropropene	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,2,3-Trichlorobenzene	< 10	c	1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,2,3-Trichloropropane	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,2,4,5-Tetramethylbenzene	< 10		+ 1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,2,4-Trichlorobenzene	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,2,4-Trimethylbenzene	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,2-Dibromo-3-chloropropane	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,2-Dibromoethane	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,2-Dichlorobenzene	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,2-Dichloroethane	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,2-Dichloropropane	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,3,5-Trimethylbenzene/P-ethyltoluene	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,3-Dichlorobenzene	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,3-Dichloropropane	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
1,4-Dichlorobenzene	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
2,2-Dichloropropane	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
2-Butanone	4.1	J	1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
2-Chlorotoluene/4-Chlorotoluene	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
4-Isopropyltoluene	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
4-Methyl-2-pentanone	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Acetone	46	c	1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Benzene	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Bromobenzene	< 10		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
c = Calibration acceptability criteria exceeded for this analyte.Value estimated
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M-, M+ = Matrix Spike recovery below / above control limit
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P = Duplicate RPD outside of control limit
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S = Recovery outside of control limits for this analyte
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Client Services Manager : Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 6/6/2016

Pace Analytical
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TDK Engineering Associates
221 West Divison Street
Syracuse, NY 13204
Attn To : John Herrmann
Collected : 6/2/2016 1:30:00 PM
Received : 6/3/2016 10:55:00 AM
Collected By JH99

Lab No. : 1606267-001
Client Sample ID: MW-8

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier		D.F.	Units	Analyzed:	Container:
Bromochloromethane	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Bromodichloromethane	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Bromoform	< 10	c		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Bromomethane	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Carbon tetrachloride	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Chlorobenzene	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Chlorodifluoromethane	< 10		+	1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Chloroethane	< 10	c		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Chloroform	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Chloromethane	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
cis-1,2-Dichloroethene	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Dibromochloromethane	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Dibromomethane	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Dichlorodifluoromethane	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Ethylbenzene	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Freon-113	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Hexachlorobutadiene	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Isopropylbenzene	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
m,p-Xylene	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Methylene chloride	< 10	c		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Naphthalene	< 10	c		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
n-Butylbenzene	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
n-Propylbenzene	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
o-Xylene	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
p-Diethylbenzene	< 10		+	1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
sec-Butylbenzene	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Styrene	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
tert-Butylbenzene	< 10			1	µg/L	06/03/2016 8:50 PM	Container-01 of 01
Tetrachloroethene	< 10	c		1	µg/L	06/03/2016 8:50 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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r = Reporting limit below calibration range. Value estimated.
S = Recovery outside of control limits for this analyte
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Client Services Manager : Jennifer Aracri

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Date Reported : 6/6/2016

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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

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TDK Engineering Associates
221 West Divison Street
Syracuse, NY 13204
Attn To : John Herrmann
Collected : 6/2/2016 1:30:00 PM
Received : 6/3/2016 10:55:00 AM
Collected By JH99

Lab No. : 1606267-001
Client Sample ID: MW-8

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Toluene	1.0	J	1	µg/L			06/03/2016 8:50 PM	Container-01 of 01
trans-1,2-Dichloroethene	< 10		1	µg/L			06/03/2016 8:50 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 10		1	µg/L			06/03/2016 8:50 PM	Container-01 of 01
Trichloroethene	< 10		1	µg/L			06/03/2016 8:50 PM	Container-01 of 01
Trichlorofluoromethane	< 10		1	µg/L			06/03/2016 8:50 PM	Container-01 of 01
Vinyl chloride	< 10	c	1	µg/L			06/03/2016 8:50 PM	Container-01 of 01
Xylene (total)	< 10		1	µg/L			06/03/2016 8:50 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	109		1	%Rec	Limit	68-153	06/03/2016 8:50 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	100		1	%Rec	Limit	79-124	06/03/2016 8:50 PM	Container-01 of 01
Surr: Toluene-d8	102		1	%Rec	Limit	69-124	06/03/2016 8:50 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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TDK Engineering Associates
221 West Divison Street
Syracuse, NY 13204
Attn To : John Herrmann
Collected : 6/2/2016 1:00:00 PM
Received : 6/3/2016 10:55:00 AM
Collected By JH99

Lab No. : 1606267-002
Client Sample ID: MW-9

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,1,1-Trichloroethane	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,1,2-Trichloroethane	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,1-Dichloroethane	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,1-Dichloroethene	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,1-Dichloropropene	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,2,3-Trichlorobenzene	< 10	c	1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,2,3-Trichloropropane	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,2,4,5-Tetramethylbenzene	< 10		+ 1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,2,4-Trichlorobenzene	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,2,4-Trimethylbenzene	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,2-Dibromo-3-chloropropane	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,2-Dibromoethane	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,2-Dichlorobenzene	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,2-Dichloroethane	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,2-Dichloropropane	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,3,5-Trimethylbenzene/P-ethyltoluene	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,3-Dichlorobenzene	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,3-Dichloropropane	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
1,4-Dichlorobenzene	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
2,2-Dichloropropane	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
2-Butanone	1.2	J	1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
2-Chlorotoluene/4-Chlorotoluene	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
4-Isopropyltoluene	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
4-Methyl-2-pentanone	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Acetone	19	c	1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Benzene	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Bromobenzene	< 10		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03

Qualifiers: E = Value above quantitation range, Value estimated.
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Client Services Manager : Jennifer Aracri

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Date Reported : 6/6/2016

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TDK Engineering Associates
221 West Divison Street
Syracuse, NY 13204
Attn To : John Herrmann
Collected : 6/2/2016 1:00:00 PM
Received : 6/3/2016 10:55:00 AM
Collected By JH99

Lab No. : 1606267-002
Client Sample ID: MW-9

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier		D.F.	Units	Analyzed:	Container:
Bromochloromethane	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Bromodichloromethane	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Bromoform	< 10	c		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Bromomethane	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Carbon tetrachloride	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Chlorobenzene	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Chlorodifluoromethane	< 10		+	1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Chloroethane	< 10	c		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Chloroform	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Chloromethane	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
cis-1,2-Dichloroethene	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
cis-1,3-Dichloropropene	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Dibromochloromethane	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Dibromomethane	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Dichlorodifluoromethane	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Ethylbenzene	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Freon-113	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Hexachlorobutadiene	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Isopropylbenzene	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
m,p-Xylene	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Methylene chloride	< 10	c		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Naphthalene	< 10	c		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
n-Butylbenzene	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
n-Propylbenzene	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
o-Xylene	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
p-Diethylbenzene	< 10		+	1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
sec-Butylbenzene	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Styrene	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
tert-Butylbenzene	< 10			1	µg/L	06/03/2016 9:12 PM	Container-01 of 03
Tetrachloroethene	< 10	c		1	µg/L	06/03/2016 9:12 PM	Container-01 of 03

Qualifiers: E = Value above quantitation range, Value estimated.
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Client Services Manager : Jennifer Aracri

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Collected : 6/2/2016 1:00:00 PM
Received : 6/3/2016 10:55:00 AM
Collected By JH99

Lab No. : 1606267-002
Client Sample ID: MW-9

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Toluene	< 10		1	µg/L			06/03/2016 9:12 PM	Container-01 of 03
trans-1,2-Dichloroethene	< 10		1	µg/L			06/03/2016 9:12 PM	Container-01 of 03
trans-1,3-Dichloropropene	< 10		1	µg/L			06/03/2016 9:12 PM	Container-01 of 03
Trichloroethene	< 10		1	µg/L			06/03/2016 9:12 PM	Container-01 of 03
Trichlorofluoromethane	< 10		1	µg/L			06/03/2016 9:12 PM	Container-01 of 03
Vinyl chloride	< 10	c	1	µg/L			06/03/2016 9:12 PM	Container-01 of 03
Xylene (total)	< 10		1	µg/L			06/03/2016 9:12 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	110		1	%Rec	Limit	68-153	06/03/2016 9:12 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	103		1	%Rec	Limit	79-124	06/03/2016 9:12 PM	Container-01 of 03
Surr: Toluene-d8	101		1	%Rec	Limit	69-124	06/03/2016 9:12 PM	Container-01 of 03

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
c = Calibration acceptability criteria exceeded for this analyte.Value estimated
H = Received/analyzed outside of analytical holding time
J = Estimated value - below calibration range
M-, M+ = Matrix Spike recovery below / above control limit
N = Indicates presumptive evidence of compound
P = Duplicate RPD outside of control limit
r = Reporting limit below calibration range. Value estimated.
S = Recovery outside of control limits for this analyte
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Client Services Manager : Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 6/6/2016

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

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TDK Engineering Associates
221 West Divison Street
Syracuse, NY 13204
Attn To : John Herrmann
Collected : 6/2/2016
Received : 6/3/2016 10:55:00 AM
Collected By JH99

Lab No. : 1606267-003
Client Sample ID: TRIP BLANK

Sample Information:
Type : Trip Blank

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,1,1-Trichloroethane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,1,2-Trichloroethane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,1-Dichloroethane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,1-Dichloroethene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,1-Dichloropropene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,2,3-Trichlorobenzene	< 10	c	1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,2,3-Trichloropropane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,2,4,5-Tetramethylbenzene	< 10		+ 1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,2,4-Trichlorobenzene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,2,4-Trimethylbenzene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,2-Dibromo-3-chloropropane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,2-Dibromoethane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,2-Dichlorobenzene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,2-Dichloroethane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,2-Dichloropropane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,3,5-Trimethylbenzene/P-ethyltoluene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,3-Dichlorobenzene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,3-Dichloropropane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
1,4-Dichlorobenzene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
2,2-Dichloropropane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
2-Butanone	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
2-Chlorotoluene/4-Chlorotoluene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
4-Isopropyltoluene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
4-Methyl-2-pentanone	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Acetone	1.8	Jc	1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Benzene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Bromobenzene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
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Client Services Manager : Jennifer Aracri

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Date Reported : 6/6/2016

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221 West Divison Street
Syracuse, NY 13204
Attn To : John Herrmann
Collected : 6/2/2016
Received : 6/3/2016 10:55:00 AM
Collected By JH99

Lab No. : 1606267-003
Client Sample ID: TRIP BLANK

Sample Information:
Type : Trip Blank

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Bromochloromethane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Bromodichloromethane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Bromoform	< 10	c	1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Bromomethane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Carbon tetrachloride	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Chlorobenzene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Chlorodifluoromethane	< 10	+	1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Chloroethane	< 10	c	1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Chloroform	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Chloromethane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
cis-1,2-Dichloroethene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Dibromochloromethane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Dibromomethane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Dichlorodifluoromethane	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Ethylbenzene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Freon-113	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Hexachlorobutadiene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Isopropylbenzene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
m,p-Xylene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Methylene chloride	< 10	c	1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Naphthalene	< 10	c	1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
n-Butylbenzene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
n-Propylbenzene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
o-Xylene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
p-Diethylbenzene	< 10	+	1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
sec-Butylbenzene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Styrene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
tert-Butylbenzene	< 10		1	µg/L	06/03/2016 9:34 PM	Container-01 of 02
Tetrachloroethene	< 10	c	1	µg/L	06/03/2016 9:34 PM	Container-01 of 02

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Client Services Manager : Jennifer Aracri

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Date Reported : 6/6/2016

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Collected : 6/2/2016
Received : 6/3/2016 10:55:00 AM
Collected By JH99

Lab No. : 1606267-003
Client Sample ID: TRIP BLANK

Sample Information:
Type : Trip Blank

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Toluene	< 10		1	µg/L			06/03/2016 9:34 PM	Container-01 of 02
trans-1,2-Dichloroethene	< 10		1	µg/L			06/03/2016 9:34 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 10		1	µg/L			06/03/2016 9:34 PM	Container-01 of 02
Trichloroethene	< 10		1	µg/L			06/03/2016 9:34 PM	Container-01 of 02
Trichlorofluoromethane	< 10		1	µg/L			06/03/2016 9:34 PM	Container-01 of 02
Vinyl chloride	< 10	c	1	µg/L			06/03/2016 9:34 PM	Container-01 of 02
Xylene (total)	< 10		1	µg/L			06/03/2016 9:34 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	113		1	%Rec	Limit	68-153	06/03/2016 9:34 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	104		1	%Rec	Limit	79-124	06/03/2016 9:34 PM	Container-01 of 02
Surr: Toluene-d8	101		1	%Rec	Limit	69-124	06/03/2016 9:34 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
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TDK Engineering Associates
221 West Divison Street
Syracuse, NY 13204
Attn To : John Herrmann
Collected : 6/1/2016 2:45:00 PM
Received : 6/2/2016 9:35:00 AM
Collected By JH99

Lab No. : 1606164-001
Client Sample ID: MW-9 (10.5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,1,1-Trichloroethane	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,1,2-Trichloroethane	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,1-Dichloroethane	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,1-Dichloroethene	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,1-Dichloropropene	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,2,3-Trichlorobenzene	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,2,3-Trichloropropane	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,2,4,5-Tetramethylbenzene	< 6.2		+ 1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,2,4-Trichlorobenzene	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,2,4-Trimethylbenzene	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,2-Dibromo-3-chloropropane	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,2-Dibromoethane	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,2-Dichlorobenzene	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,2-Dichloroethane	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,2-Dichloropropane	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,3,5-Trimethylbenzene/P-ethyltoluene	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,3-Dichlorobenzene	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,3-Dichloropropane	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
1,4-Dichlorobenzene	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
2,2-Dichloropropane	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
2-Butanone	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
2-Chlorotoluene/4-Chlorotoluene	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
4-Isopropyltoluene	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
4-Methyl-2-pentanone	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Acetone	1.5	J	1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Benzene	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Bromobenzene	< 6.2		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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Client Services Manager : Jennifer Aracri

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Date Reported :

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Received : 6/2/2016 9:35:00 AM
Collected By JH99

Lab No. : 1606164-001
Client Sample ID: MW-9 (10.5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier		D.F.	Units	Analyzed:	Container:
Bromochloromethane	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Bromodichloromethane	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Bromoform	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Bromomethane	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Carbon tetrachloride	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Chlorobenzene	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Chlorodifluoromethane	< 6.2		+	1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Chloroethane	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Chloroform	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Chloromethane	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
cis-1,2-Dichloroethene	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Dibromochloromethane	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Dibromomethane	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Dichlorodifluoromethane	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Ethylbenzene	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Freon-113	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Hexachlorobutadiene	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Isopropylbenzene	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
m,p-Xylene	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Methyl tert-butyl ether	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Methylene chloride	2.5	J		1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Naphthalene	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
n-Butylbenzene	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
n-Propylbenzene	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
o-Xylene	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
p-Diethylbenzene	< 6.2		+	1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
sec-Butylbenzene	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
Styrene	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01
tert-Butylbenzene	< 6.2			1	µg/Kg-dry	06/02/2016 8:15 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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Client Services Manager : Jennifer Aracri

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Attn To : John Herrmann
Collected : 6/1/2016 2:45:00 PM
Received : 6/2/2016 9:35:00 AM
Collected By JH99

Lab No. : 1606164-001
Client Sample ID: MW-9 (10.5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Tetrachloroethene	< 6.2		1	µg/Kg-dry			06/02/2016 8:15 PM	Container-01 of 01
Toluene	< 6.2		1	µg/Kg-dry			06/02/2016 8:15 PM	Container-01 of 01
trans-1,2-Dichloroethene	< 6.2		1	µg/Kg-dry			06/02/2016 8:15 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 6.2		1	µg/Kg-dry			06/02/2016 8:15 PM	Container-01 of 01
Trichloroethene	< 6.2		1	µg/Kg-dry			06/02/2016 8:15 PM	Container-01 of 01
Trichlorofluoromethane	< 6.2		1	µg/Kg-dry			06/02/2016 8:15 PM	Container-01 of 01
Vinyl chloride	< 6.2		1	µg/Kg-dry			06/02/2016 8:15 PM	Container-01 of 01
Xylene (total)	< 6.2		1	µg/Kg-dry			06/02/2016 8:15 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	112		1	%Rec	Limit	33-145	06/02/2016 8:15 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	101		1	%Rec	Limit	60-148	06/02/2016 8:15 PM	Container-01 of 01
Surr: Toluene-d8	98.9		1	%Rec	Limit	60-132	06/02/2016 8:15 PM	Container-01 of 01

NOTES:
Results may be biased low due to sample not being collected according to 5035A low level specifications.

Analytical Method: D2216 : Analyst: RL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	19.1		1	wt%	06/02/2016 3:45 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
c = Calibration acceptability criteria exceeded for this analyte.Value estimated
H = Received/analyzed outside of analytical holding time
J = Estimated value - below calibration range
M-, M+ = Matrix Spike recovery below / above control limit
N = Indicates presumptive evidence of compound
P = Duplicate RPD outside of control limit
r = Reporting limit below calibration range. Value estimated.
S = Recovery outside of control limits for this analyte
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Client Services Manager : Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results are only for the samples and analytes requested.

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

TDK Engineering Associates
221 West Divison Street
Syracuse, NY 13204
Attn To : John Herrmann
Collected : 6/1/2016 2:45:00 PM
Received : 6/2/2016 9:35:00 AM
Collected By JH99

Lab No. : 1606164-002
Client Sample ID: MW-9 (14.5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,1,1-Trichloroethane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,1,2-Trichloroethane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,1-Dichloroethane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,1-Dichloroethene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,1-Dichloropropene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,2,3-Trichlorobenzene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,2,3-Trichloropropane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,2,4,5-Tetramethylbenzene	< 5.4	+	1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,2,4-Trichlorobenzene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,2,4-Trimethylbenzene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,2-Dibromo-3-chloropropane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,2-Dibromoethane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,2-Dichlorobenzene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,2-Dichloroethane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,2-Dichloropropane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,3,5-Trimethylbenzene/P-ethyltoluene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,3-Dichlorobenzene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,3-Dichloropropane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
1,4-Dichlorobenzene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
2,2-Dichloropropane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
2-Butanone	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
2-Chlorotoluene/4-Chlorotoluene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
4-Isopropyltoluene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
4-Methyl-2-pentanone	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Acetone	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Benzene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Bromobenzene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
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S = Recovery outside of control limits for this analyte
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Client Services Manager : Jennifer Aracri

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Attn To : John Herrmann
Collected : 6/1/2016 2:45:00 PM
Received : 6/2/2016 9:35:00 AM
Collected By JH99

Lab No. : 1606164-002
Client Sample ID: MW-9 (14.5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Bromochloromethane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Bromodichloromethane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Bromoform	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Bromomethane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Carbon tetrachloride	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Chlorobenzene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Chlorodifluoromethane	< 5.4		+ 1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Chloroethane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Chloroform	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Chloromethane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
cis-1,2-Dichloroethene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Dibromochloromethane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Dibromomethane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Dichlorodifluoromethane	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Ethylbenzene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Freon-113	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Hexachlorobutadiene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Isopropylbenzene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
m,p-Xylene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Methyl tert-butyl ether	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Methylene chloride	2.1	J	1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Naphthalene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
n-Butylbenzene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
n-Propylbenzene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
o-Xylene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
p-Diethylbenzene	< 5.4		+ 1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
sec-Butylbenzene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
Styrene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01
tert-Butylbenzene	< 5.4		1	µg/Kg-dry	06/02/2016 8:37 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
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Date Reported :

Client Services Manager : Jennifer Aracri

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TDK Engineering Associates
221 West Divison Street
Syracuse, NY 13204
Attn To : John Herrmann
Collected : 6/1/2016 2:45:00 PM
Received : 6/2/2016 9:35:00 AM
Collected By JH99

Lab No. : 1606164-002
Client Sample ID: MW-9 (14.5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Tetrachloroethene	< 5.4		1	µg/Kg-dry			06/02/2016 8:37 PM	Container-01 of 01
Toluene	< 5.4		1	µg/Kg-dry			06/02/2016 8:37 PM	Container-01 of 01
trans-1,2-Dichloroethene	< 5.4		1	µg/Kg-dry			06/02/2016 8:37 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 5.4		1	µg/Kg-dry			06/02/2016 8:37 PM	Container-01 of 01
Trichloroethene	< 5.4		1	µg/Kg-dry			06/02/2016 8:37 PM	Container-01 of 01
Trichlorofluoromethane	< 5.4		1	µg/Kg-dry			06/02/2016 8:37 PM	Container-01 of 01
Vinyl chloride	< 5.4		1	µg/Kg-dry			06/02/2016 8:37 PM	Container-01 of 01
Xylene (total)	< 5.4		1	µg/Kg-dry			06/02/2016 8:37 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	114		1	%Rec	Limit	33-145	06/02/2016 8:37 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	103		1	%Rec	Limit	60-148	06/02/2016 8:37 PM	Container-01 of 01
Surr: Toluene-d8	96.3		1	%Rec	Limit	60-132	06/02/2016 8:37 PM	Container-01 of 01

NOTES:
Results may be biased low due to sample not being collected according to 5035A low level specifications.

Analytical Method: D2216 : Analyst: RL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	8.1		1	wt%	06/02/2016 3:46 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
c = Calibration acceptability criteria exceeded for this analyte.Value estimated
H = Received/analyzed outside of analytical holding time
J = Estimated value - below calibration range
M-, M+ = Matrix Spike recovery below / above control limit
N = Indicates presumptive evidence of compound
P = Duplicate RPD outside of control limit
r = Reporting limit below calibration range. Value estimated.
S = Recovery outside of control limits for this analyte
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Client Services Manager : Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **TDK**

Date and Time Received: **6/2/2016 9:35:00 AM**

Work Order Number: **1606164** RcptNo: **1**

Received by **Linda Siciliano**

Completed by: Jaclyn Kiri

Reviewed by:

Completed Date: 6/2/2016 1:07:00 PM

Reviewed Date: 6/3/2016 5:58:41 PM

Carrier name: FedEx

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☑	No	☐	NA	☐
Preservative added to bottles:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container labels complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
Was an attempt made to cool the samples?	Yes	☑	No	☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☑	No	☐	NA	☐
Response when temperature is outside of range:						
Sample Temp. taken and recorded upon receipt?	Yes	☑	No	☐	To	1.8 º
Water - Were bubbles absent in VOC vials?	Yes	☐	No	☐	No Vials	☑
Water - Was there Chlorine Present?	Yes	☐	No	☐	NA	☑
Water - pH acceptable upon receipt?	Yes	☐	No	☐	No Water	☑
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☑	No	☐		
Airbill or Sticker?	Air Bil	☑	Sticker	☐	Not Present	☐
Airbill No:	7764 2060 1477					

Case Number: SDG: TDK006 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

SAMPLING METHOD 5035A NOT FOLLOWED

CorrectiveAction:

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1606164

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

TDK Engineering Associates, PC

19 Genesee Street
Camillus, New York 13031
Phone: (315) 672-8726
Fax: (315) 672-8732
www.tdkengineering.com

SOIL BORING LOG

Site Name: Former Camillus Cutlery Co. Site
BCP Site #: C734142
TDK Job # : 2009040
Boring: MW-8
Date: 6/1/2016
Ground Surface Elev.: 416.0
Groundwater Depth: 10'± (while drilling); 16.3' (6/2/16) (From Ground Surface)

Depth (ft)	Sample Depth (ft)	Recovery Length (in)	PID (ppm)	Analytical Sample		Description (USCS Designation)
				Parameters	G or C	
1	0.0 -	18" (Geoprobe)	0			4" Topsoil
2	2.0					Silt/fine Sand/fine Gravel Fill (trace Wood at 9')
3	2.0 -					
4	4.0					
5	4.0 -	6" (Geoprobe)	0			
6	6.0					
7	6.0 -					
8	8.0					
9	8.0 -	12" (Geoprobe)	0			
10	10.0					
11	10.0 -					
12	12.0					
13	12.0 -	36" (Geoprobe)	0			Gray Silt/little fine Gravel
14	14.0					
15	14.0 -					Brown fine to coarse Sand/little silt/little fine Gravel
16	16.0					
17	16.0 -					Bottom of Boring
18	18.0					
19	18.0 -					
20	20.0					

PID= Photoionization Detection **G = Grab** **C= Composite** **ppm = Parts per Million** **USCS - Unified Soil Classification System**

Well Construction Details:

Diameter / Material	1" PVC	
Bottom Depth	16.4	(from ground surface)
Screen Size	10 slot	(10 slot, 20 slot…etc)
Screened Interval	16.4'-6.4'	(from ground surface)
Filter Sand Interval	16.5'-5.0'	(from ground surface)
Bentonite Interval	5.0'-4.0'	(from ground surface)

TDK Engineering Associates, PC

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Fax: (315) 672-8732
www.tdkengineering.com

SOIL BORING LOG

Site Name: Former Camillus Cutlery Co. Site
BCP Site #: C734142
TDK Job # : 2009040
Boring: MW-9
Date: 6/1/2016
Ground Surface Elev.: 422.2
Groundwater Depth: 13.1' (6/2/16) (From Ground Surface)

Depth (ft)	Sample Depth (ft)	Recovery Length (in)	PID (ppm)	Analytical Sample		Description (USCS Designation)
				Parameters	G or C	
1	0.0 -	36" (Geoprobe)	0			Silt/fine Sand/Gravel Fill (trace Concrete)
2	2.0					
3	2.0 -					
4	4.0					
5	4.0 -	24" (Geoprobe)	0			
6	6.0					
7	6.0 -					
8	8.0					
9	8.0 -	36" (Geoprobe)	0			Brown Silt, little to some Clay
10	10.0					
11	10.0 -			VOCs (10.5')	G	
12	12.0					
13	12.0 -	36" (Geoprobe)	0		G	Tan weathered Bedrock
14	14.0					
15	14.0 -			VOCs (14.5')		
16	16.0					Bottom of Boring
17	16.0 -					
18	18.0					
19	18.0 -					
20	20.0					

PID= Photoionization Detection **G = Grab** **USCS - Unified Soil Classification System**
C= Composite
ppm = Parts per Million

Well Construction Details:

Diameter / Material	1" PVC	
Bottom Depth	14.0'	(from ground surface)
Screen Size	10 slot	(10 slot, 20 slot…etc)
Screened Interval	14.0'-4.0'	(from ground surface)
Filter Sand Interval	14.0'-3.0'	(from ground surface)
Bentonite Interval	3.0'-1.0'	(from ground surface)

REFER TO FIGURE RI-1D

AOC-3.1: SVI AREA - WEST PARCEL

AOC-2.2: SURFACE SOILS - LAWN AREAS

AOC-3.2: SVI AREA - EAST PARCEL

AOC-2.1: SURFACE SOILS - EAST EMBANKMENT

AOC-1: WASTEWATER COLLECTION CHAMBER AREA

BCP SITE LIMITS (4.28 ACRES)

PROPERTY LIMITS (4.42 ACRES)

WEST BUILDING
FINISHED FLOOR ELEV. 416.7±

EAST PARCEL
FORMER EAST BUILDING
ENGINE (DESTROYED BY FIRE FEB. 11, 2013)
FINISHED FLOOR ELEV. 406.6±

WEST PARCEL

SVP-1
TRICHLOROETHENE - <0.81 MCG/M³
TETRACHLOROETHYLENE - 140 MCG/M³
METHYLENE CHLORIDE - 2.9 MCG/M³

SVP-2
NOT SAMPLED DUE TO WATER INTRUSION

SVP-3
TRICHLOROETHENE - 1.0 MCG/M³
TETRACHLOROETHYLENE - 6.2 MCG/M³
METHYLENE CHLORIDE - 0.73 MCG/M³

SSP-3
TRICHLOROETHENE - 400 MCG/M³
TETRACHLOROETHYLENE - 8.1 MCG/M³
METHYLENE CHLORIDE - 1.4 MCG/M³

SSP-4
TRICHLOROETHENE - 4 MCG/M³
TETRACHLOROETHYLENE - 52 MCG/M³
METHYLENE CHLORIDE - 1.6 MCG/M³

KEY

MCG/M³ MICROGRAMS PER CUBIC METER

SVP-1 SOIL VAPOR PROBE LOCATION (FEB. 2016)

SSP-1 SUB-SLAB VAPOR PROBE LOCATION (FEB. 2016)

IA, OA INDOOR, OUTDOOR AIR SAMPLE LOCATIONS (FEB. 2016)

SB-2 (2008) / MW-5 SOIL BORING / TEMPORARY MONITORING WELL LOCATION REFERENCE: ASE SCREENING - LEVEL SITE INVESTIGATION FORMER CAMILLUS CUTLERY SITE, OCTOBER 2008.

SB-5 / MW-5 SOIL BORING / MONITORING WELL LOCATION (SEPT. 2013)

SB-12 SOIL BORING LOCATION (SEPT. 2013)

SS-1 SURFACE SOIL SAMPLE LOCATION (SEPT. 2013)

CP-1 CONTINGENCY PLAN SOIL SAMPLE LOCATION (PROPOSED)

OIL HOUSE (1911) FORMER CUTLERY PROCESS / STORAGE AREA (BASE MAP REFERENCE NO. 2)

AREA OF CONCERN (UPDATED)

UTILITY KEY

CB-4	CATCH BASIN
	FLOOR DRAIN
	UTILITY TRENCH
R.E.	RIM ELEVATION
I.E.	INVERT ELEVATION
W	WATER LINE
SAN	SANITARY SEWER
ST	STORM SEWER
E	UNDERGROUND ELECTRIC

LEGEND

PAVEMENT EDGE; IRON ROD FOUND (IRF); IRON PIN FOUND (IPF); SIGN - SINGLE POST; UTILITY POLE (UP); UTILITY POLE WITH LIGHT (UP-LIGHT); GUY WIRE & ANCHOR; CATCH BASINS (CB); MANHOLE (MH); HYDRANT (HYD); WATER VALVE (WV); GAS VALVE (GV); 24" DECIDUOUS TREE, DIAMETER AT BREAST HEIGHT

ABBREVIATIONS

Asp.	ASPHALT
Bot.	BOTTOM
CC	CURB CUT
Conc.	CONCRETE
FF	FIRST FLOOR ELEVATION
Inv.	INVERT
N / F	NOW OR FORMERLY
Pvmt.	PAVEMENT
STY.	STORY

1" = 40' SCALE; 40 0 40 80 FEET

BASE MAP REFERENCE:

1. ALTERNATIVES ANALYSIS PLAN, PREPARED BY TDK, DATED 3-31-16 (UPDATED 5-13-16)

NOTES:

1. REFERENCES: NYSDOH "GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION IN THE STATE OF NEW YORK," OCTOBER 2006 AND "TRICHLOROETHENE (TCE) INDOOR AND OUTDOOR AIR," AUGUST 2015 FACT SHEET.
2. ANALYTICAL DATA FOR SOIL AND GROUND WATER NOT SHOWN, UNLESS NOTED OTHERWISE.
3. REFER TO LABORATORY REPORT AND ANALYTICAL DATA SUMMARY TABLES FOR ADDITIONAL INFORMATION.

FIGURE RI-1C - EXPANDED REMEDIAL INVESTIGATION PLAN

BCP SITE No. C734142
6-7-16

PROJECT No.: 2009040
SCALE: 1" = 40'
DATE: 06-06-16
ENG'D BY: JCH
DRAWN BY: DKC
CHECKED BY: JED

DRAWING TITLE: EXPANDED REMEDIAL INVESTIGATION PLAN
SHEET: RI-1C

PROJECT: BROWNFIELD CLEANUP PROGRAM
FORMER CAMILLUS CUTLERY COMPANY SITE
CLIENT: CAMILLUS MILLS, LLC
LOCATION: VILLAGE OF CAMILLUS, ONONDAGA COUNTY, NEW YORK

TDK Engineering Associates, PC
19 Genesee Street - Camillus, New York 13031 - PH: (315) 672-8726 - FX: (315) 672-8732
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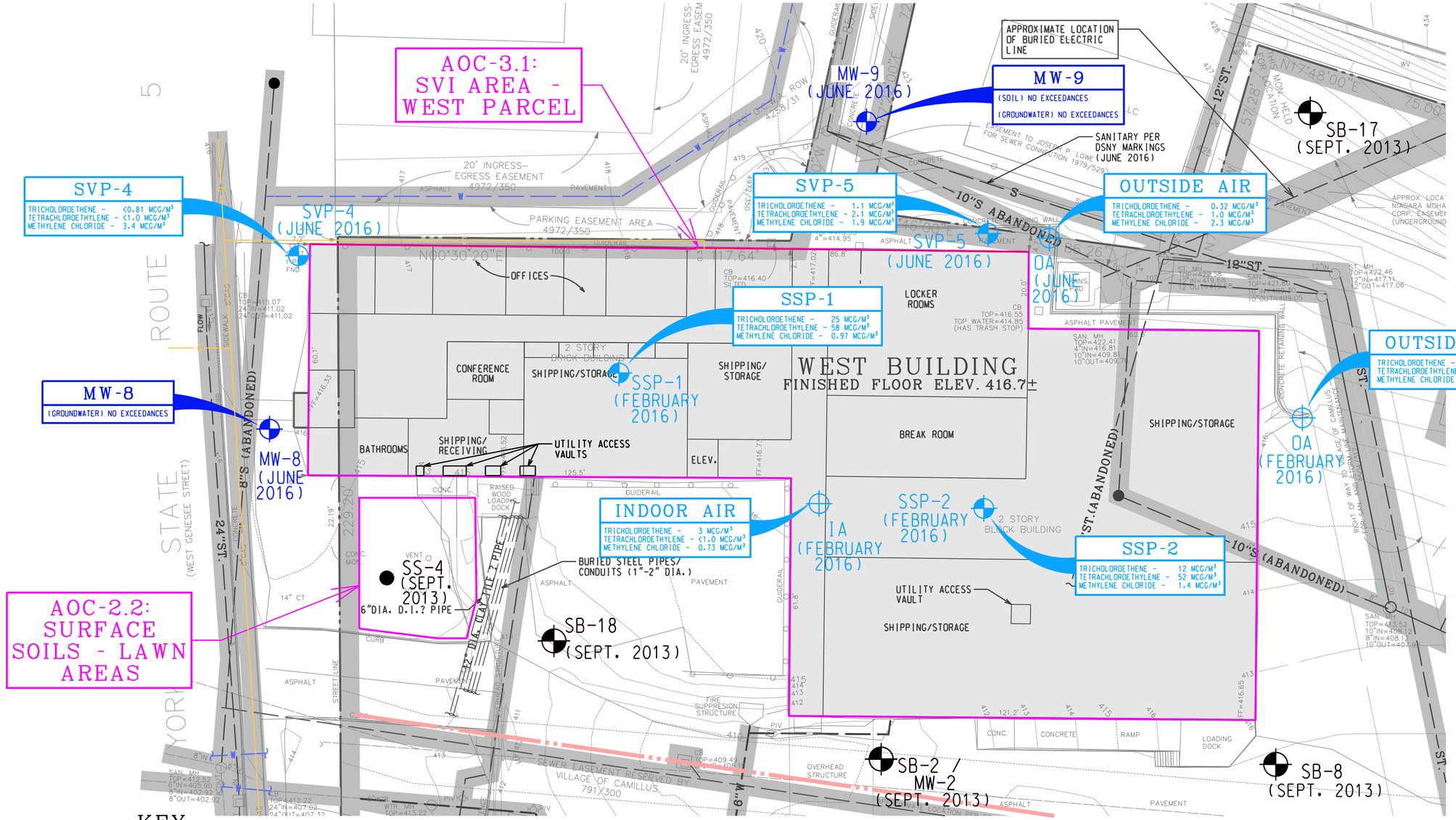
REVISIONS:



KEY

- SVP-1 — SOIL VAPOR PROBE LOCATION
- SSP-1 — SUB-SLAB VAPOR PROBE LOCATION
- IA, OA — INDOOR, OUTDOOR AIR SAMPLE LOCATIONS
- SS-4 — SURFACE SOIL SAMPLE LOCATION
- SB-2 / MW-2 — SOIL BORING/MONITORING WELL LOCATION (SEPTEMBER 2013)
- MW-8 — MONITORING WELL LOCATION (JUNE 2016)
- G — GAS LINE
- W — WATER LINE
- MCG/M³ — MICROGRAMS PER CUBIC METER

EXPANDED REMEDIAL INVESTIGATION PARTIAL PLAN

1" = 20' SCALE — 20 0 20 40 FEET

NOTES:

1. REFERENCES: NYSDOH "GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION IN THE STATE OF NEW YORK," OCTOBER 2006 AND "TRICHLOROETHENE (TCE) INDOOR AND OUTDOOR AIR," AUGUST 2015 FACT SHEET.
2. ANALYTICAL DATA FOR SOIL AND GROUND WATER NOT SHOWN, UNLESS NOTED OTHERWISE.
3. REFER TO LABORATORY REPORT AND ANALYTICAL DATA SUMMARY TABLES FOR ADDITIONAL INFORMATION.

6-8-16

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SHEET NO.
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